

AUTOMOBIL



LUFTFAHRT



SCHWERZERSPANUNG



ÖL & GAS



ALLGEMEINER MASCHINENBAU

KENNAMETAL®

ENGINEERING YOUR COMPETITIVE EDGE

DREHEN

DREHWERKZEUGE

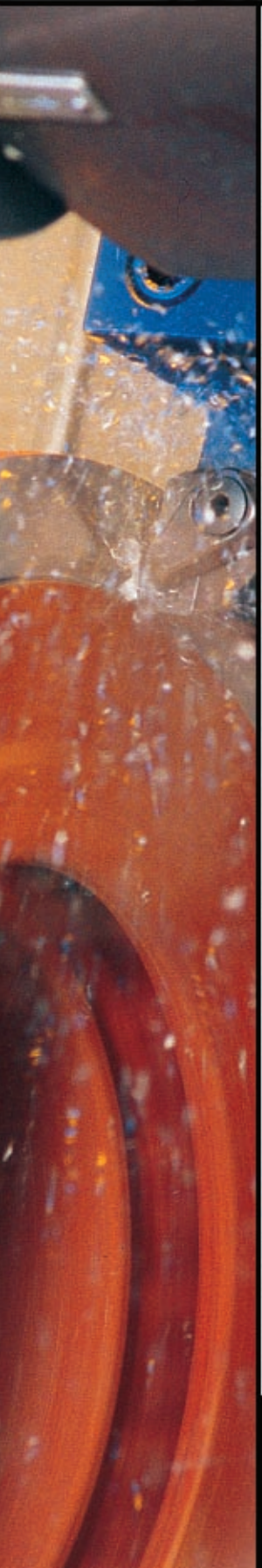


www.kennametal.com

Katalog 4010 D







Liebe Kunden,

seit seiner Gründung in 1938 analysiert Kennametal Kundenanforderungen und setzt diese konsequent in Produkt- und Serviceinnovationen zur Verbesserung der Kundenprofitabilität und -wettbewerbsfähigkeit um.

Die wichtigsten Prioritäten für Kennametal sind daher alle Maßnahmen rund um die Optimierung von Durchlaufzeiten und die Reduktion von Herstellkosten in der Fertigung unserer Kunden.

Der vorliegende, gut 500-seitige Drehkatalog präsentiert Ihnen alle aktuellen Innovationen für Ihre Drehoperationen. Alle gezeigten Produkte wurden entwickelt, um Ihre Produktivität bei allen komplexen Dreh-, Stech-, Gewindedreh-, Innendreh,- und Abstechoperationen zu verbessern.

Wir alle bei Kennametal helfen Ihnen, Ihre Wettbewerbsfähigkeit zu steigern.

Kennametal – Engineering Your Competitive Edge

KENNAMETAL®
ENGINEERING YOUR COMPETITIVE EDGE



Inhalt

ISO-Drehwerkzeuge A1



Werkzeuge zum Stechen B1



Werkzeuge zum Gewindedrehen C1



Anwendungsspezifische Werkzeuge D1



Kennametal Klassiker & Anhang E1





Engineering Your Competitive Edge®

KENNA PERFECT™ Auswahlsystem

Schneidstoffe mit höchstem Leistungsniveau für eine optimale Auslegung ihres Drehprozesses – bestens geeignet für alle Werkstoffe!

HARTMETALL & CERMET
KERAMIK
PKD & CBN

01 ↕ 50

STAHL	NICHT-ROSTENDER STAHL	GUSSEISEN	NE-METALLE	SCHWER-ZERSPANBARE WERKSTOFFE	HARTE WERKSTOFFE
KT315	KT315	NEU KY1310	NEU KD1405	KY2100	KY4400
NEU KC9110	NEU KC5010	KY3400	KD100	NEU KY1540	KY1615
KC9125	KC9225	KY3500	KC5410	NEU KY1525	NEU KB9610
KC9040	NEU KC5025	NEU KB9640		KY4300	KB5625
	NEU KC9240	KT315		K313	NEU KB9640
	KC9245	NEU KC9315		NEU KC5510	
		KC9325		NEU KC5525	
				KC9245	

NEU

KENNA UNIVERSAL™: Das weltweit einzigartige Universal-Werkzeugangebot. Maßgeschneidert für einen breiten Anwendungsbereich.

Der Programmumfang umfasst Dreh-, Stech- und Gewinde-Werkzeuge mit drei vielseitig einsetzbaren Schneidstoffen **KU10T, KU25T** und **KU30T!**

HARTMETALL

01 ↕ 50

STAHL	NICHT-ROSTENDER STAHL	GUSSEISEN	NE-METALLE	SCHWER-ZERSPANBARE WERKSTOFFE	HARTE WERKSTOFFE
KU10T	KU10T	KU10T	KU10T	KU10T	KU10T
KU25T	KU25T	KU25T	KU25T	KU25T	KU25T
KU30T	KU30T	KU30T		KU30T	

FÜR DREHMASCHINEN

Kennametal-Innovationen im Drehen...

...speziell entwickelt zur Steigerung Ihrer Produktivität und Wettbewerbsfähigkeit!

Mit neuen Produkten führend in der Drehtechnologie!



Neue Schneidstoffe zum Top Notch Stechen und Gewindedrehen

KC5010™/KC5025™

Beschichtungen mit überragender Verschleißfestigkeit bei hohen Temperaturen ermöglichen höhere Schnittgeschwindigkeiten.
Ergebnis: kürzere Maschinenzeiten, geringere Kosten, höhere Sicherheit!

Top Notch Stechen
s. S. B6!

Top Notch Gewindedrehen
s. S. C30!

KC9110™

Für höchste Produktivität beim Stechdrehen von Stahl und Gusseisen bis 400 min-1, hervorragend bei hohen Schnittgeschwindigkeiten – auch in Stählen mit niedrigem Kohlenstoffgehalt.





Kenclamp Spannsystem

Schnellstes und sicherstes Spannsystem!

Kenclamp-Klemmhalter
s. S. A152!

Kenclamp-Bohrstangen
s. S. A206!



A4 Stech-drehsystem

Ein Werkzeug zum Einstechen, Längsdrehen und Abstechen für Innen- und Außenbearbeitung.

Dadurch schnellste Bearbeitungszeiten ohne zusätzlichen Werkzeug-wechsel

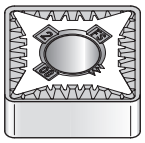
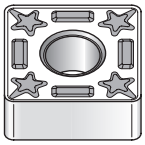
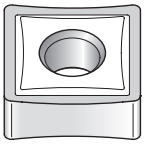
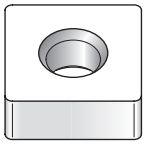
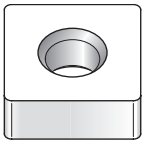
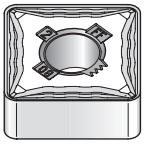
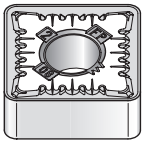
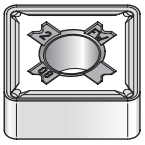
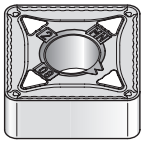
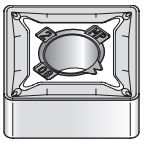
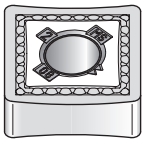
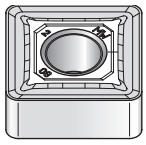
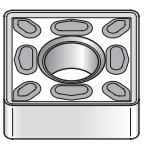
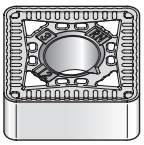
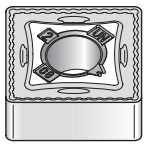
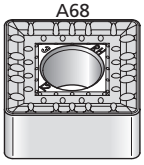
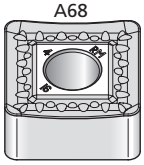
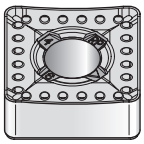
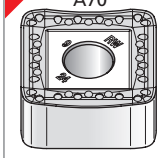
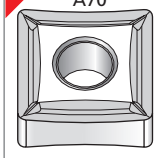
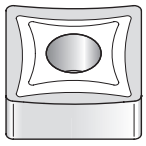
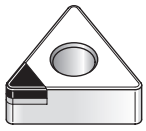
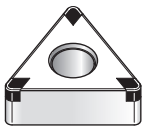
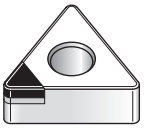
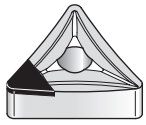
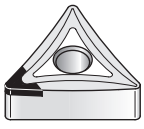
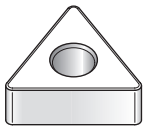
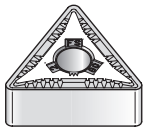
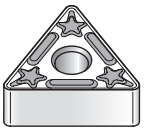
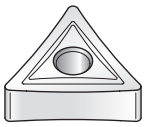
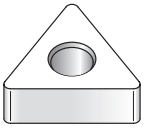
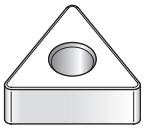
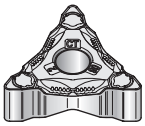
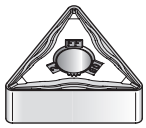
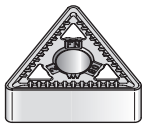
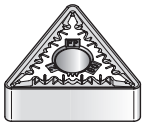
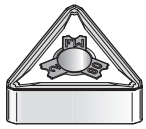
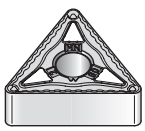
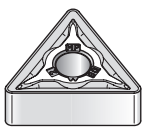
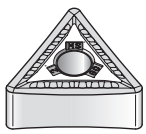
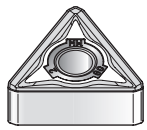
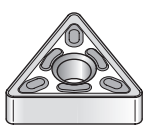
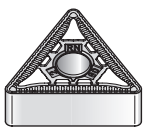
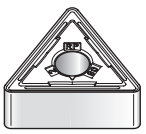
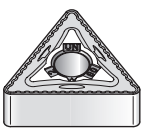
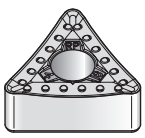
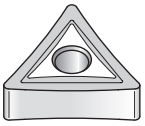
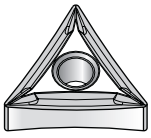
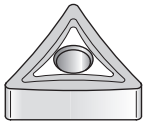
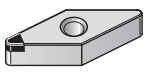
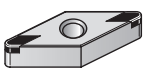
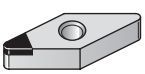
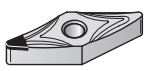
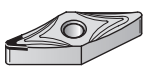
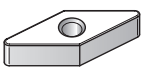
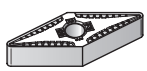
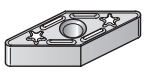
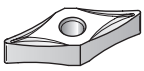
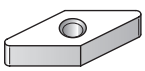
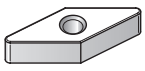
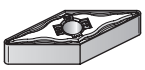
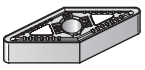
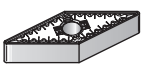
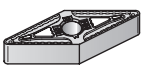
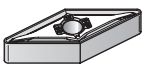
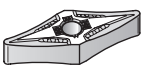
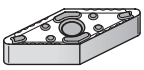
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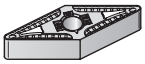
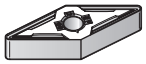
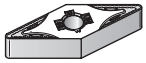
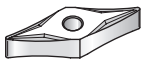
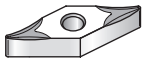
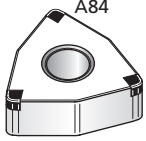
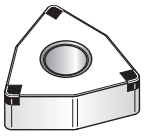
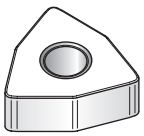
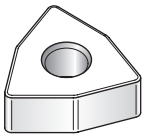
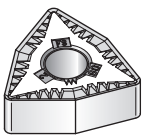
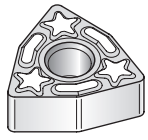
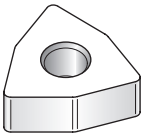
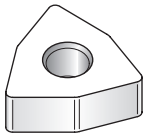
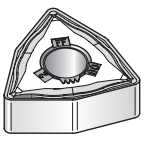
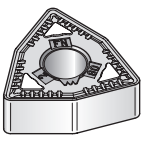
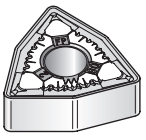
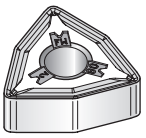
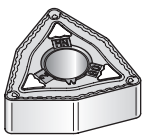
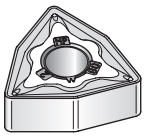
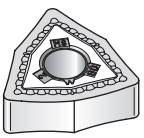
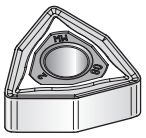
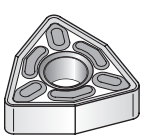
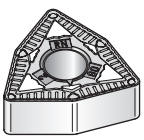
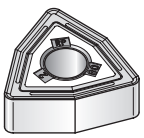
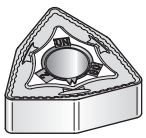
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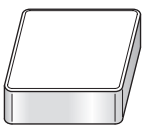
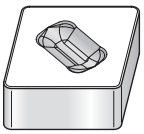
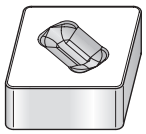
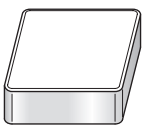
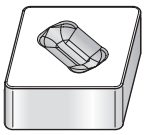
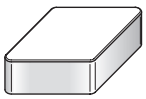
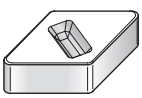
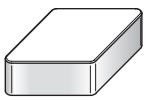
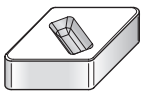
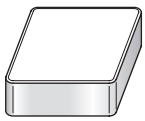
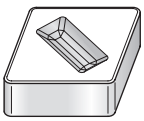
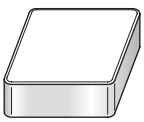
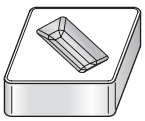
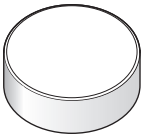
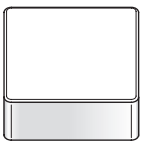
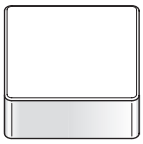
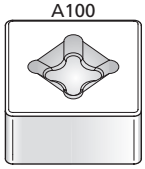
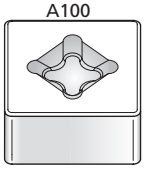
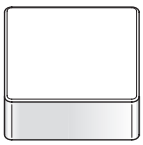
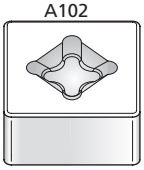
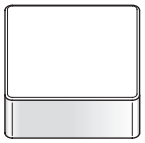
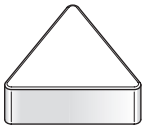
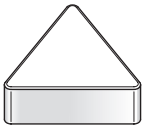
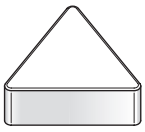
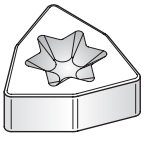
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Typ / Seite	SNMG-FW A66	SNMG-MN A66	SNMG-MP A66	NEU SNMG-MS A66	SNMG-MW A66	NEU SNMG-P A66	SNMG-RN A66-A68	SNMG-RP A68
								
Typ / Seite	SNMG-UN A68	SNMM-RH A68	SNMM-RM A68	NEU SNMM-RP A68	NEU SNMM-RW A70	NEU SNMP-K A70	SNMS A70	TNGA A70
								
Typ / Seite	NEU TNGA-FW/ MW MT A70	NEU TNGA-MT A70	TNMA A70	TNMS-E A70	TNMS-F A72	TNGA A72	NEU TNGG-FS A72	TNGG-LF A72
								
Typ / Seite	TNGP A72	TNMA A72	TNMA-T A74	NEU TNMG-CT A74	TNMG-FF A74	TNMG-FN A74	TNMG-FP A74	TNMG-FW A74
								
Typ / Seite	TNMG-MN A74	TNMG-MP A74	NEU TNMG-MS A76	TNMG-MW A76	NEU TNMG-P A76	TNMG-RN A76	TNMG-RP A76	TNMG-UN A76
								
Typ / Seite	TNMM-RM A78	NEU TNMM-RP A78	TNMP A78	NEU TNMP-K A78	NEU TNMS A78	VNGA A78	VNGA-MT A78	VNMA A80
								
Typ / Seite	VNMS-E A80	VNMS-F A80	VNGA A80	NEU VNGG-FS A80	VNGG-LF A80	VNGP A80	VNMA A80	VNMA-E A82
								
Typ / Seite	VNMG-FF A82	VNMG-FN A82	VNMG-FP A82	VNMG-MN A82	VNMG-MP A82	NEU VNMG-MS A82	NEU VNMG-P A82	
								

ISO-Wendeschneidplatten

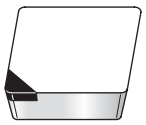
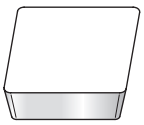
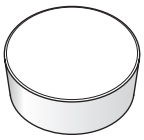
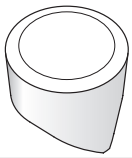
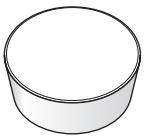
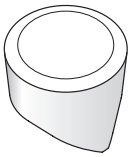
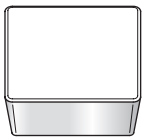
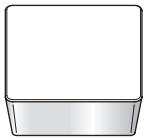
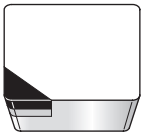
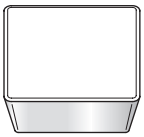
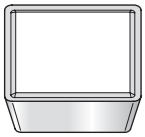
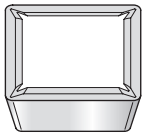
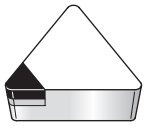
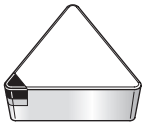
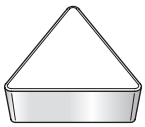
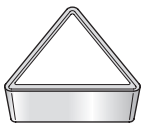
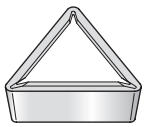
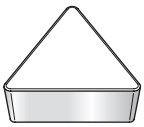
KENLOC Wendeschneidplatten

Typ Seite								
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Typ Seite	WNGA A86	NEU WNGG-FS A86	WNGG-LF A86	WNMA A86	NEU WNMA-MW A86	WNMG-FF A86	WNMG-FN A86	WNMG-FP A88
								
Typ Seite	WNMG-FW A88	WNMG-MN A88	WNMG-MP A88	NEU WNMG-MS A88	WNMG-MW A88	NEU WNMG-P A88	WNMG-RN A88	WNMG-RP A90
								
Typ Seite	WNMG-UN A90							
								

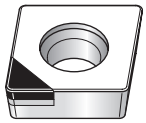
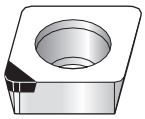
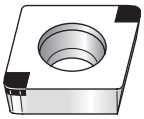
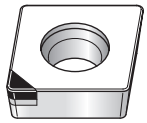
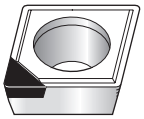
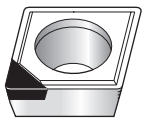
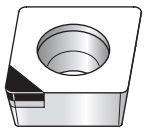
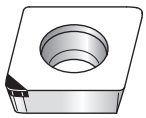
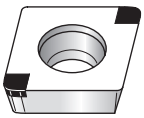
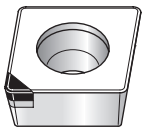
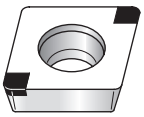
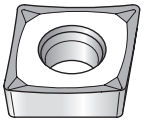
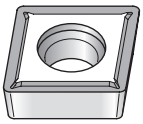
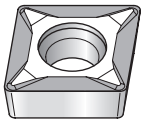
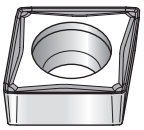
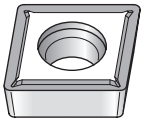
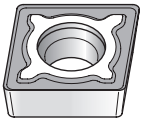
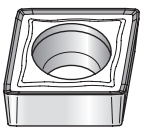
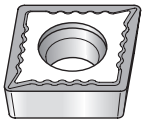
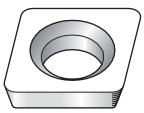
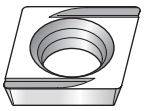
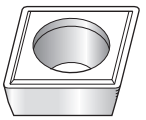
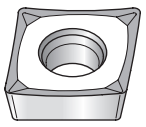
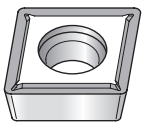
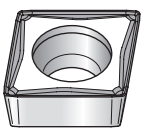
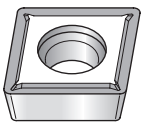
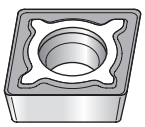
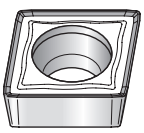
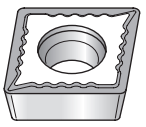
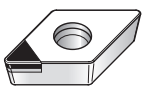
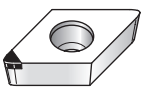
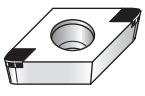
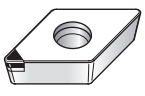
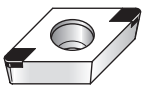
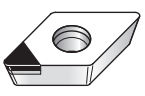
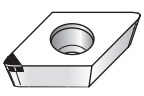
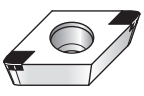
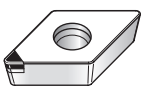
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Typ Seite	SNGN-FW A100	SNGX A100	SNGX-FW A100	SNMN A100-A102	SNMX A102	SNUN A102	TNGN A102	TNMN A104
								
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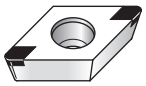
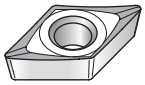
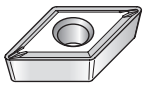
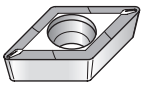
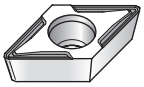
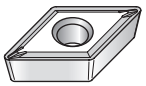
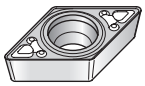
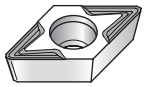
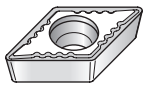
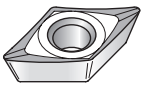
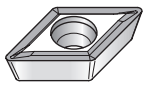
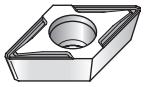
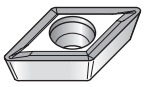
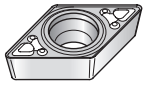
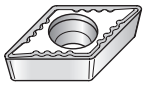
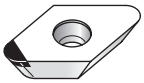
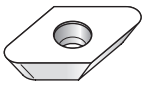
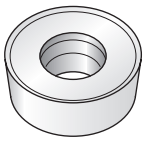
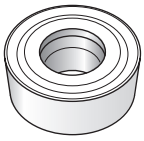
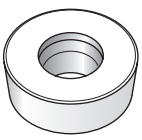
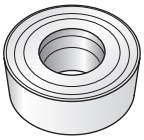
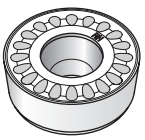
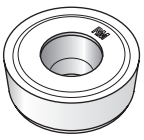
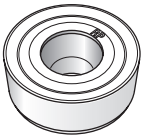
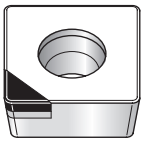
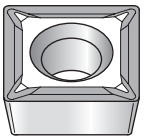
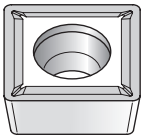
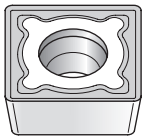
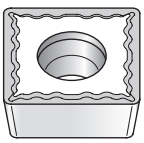
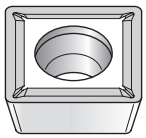
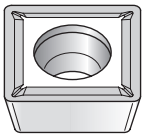
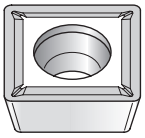
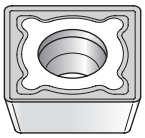
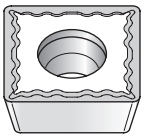
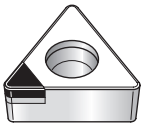
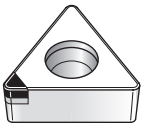
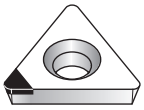
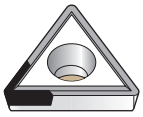
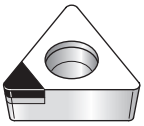
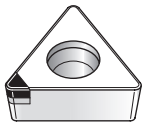
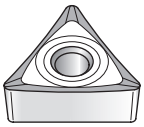
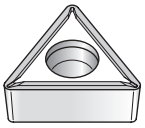
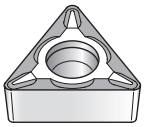
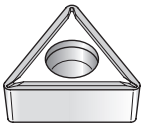
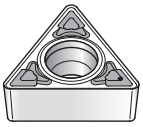
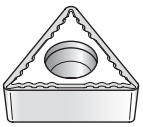
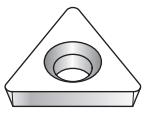
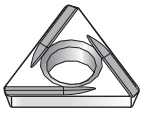
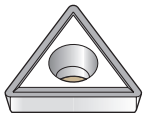
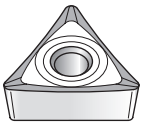
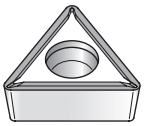
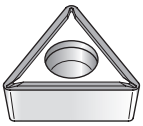
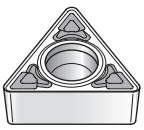
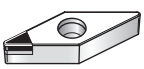
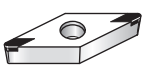
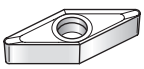
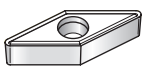
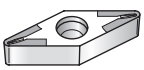
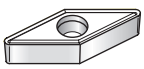
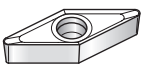
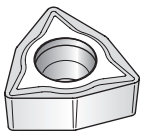
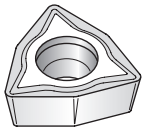
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SCREW-ON-Wendeschneidplatten

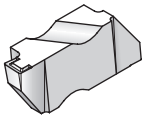
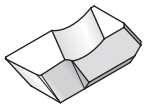
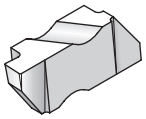
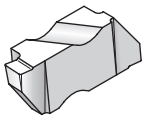
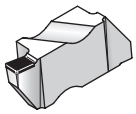
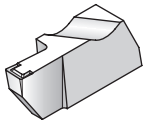
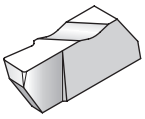
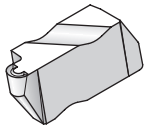
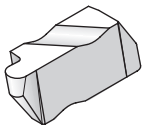
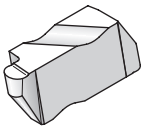
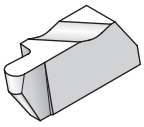
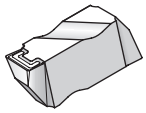
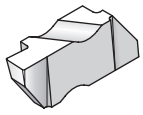
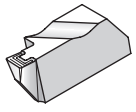
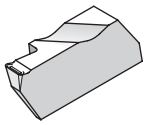
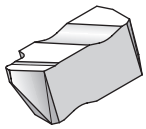
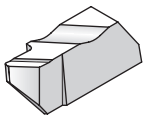
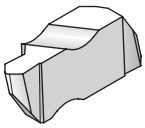
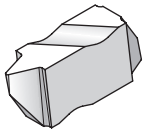
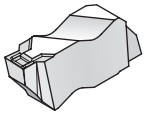
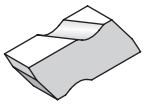
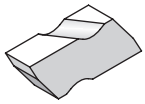
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Typ / Seite	CPGW A118	NEU CPGW-FWM A118	NEU CPGW-FWMT A118	CPGW-M A118	NEU CPGW-MT A118	CCGT-HP A118	CCGT-LF A120	CCMT-11 A120
								
Typ / Seite	CCMT-FW A120	CCMT-LF A120	CCMT-MF A120	CCMT-MW A120	CCMT-UF A122	CDHB A122	CDHH A122	CPGH A122
								
Typ / Seite	CPGT-HP A122	CPGT-LF A122	CPMT-FW A122	CPMT-LF A124	CPMT-MF A124	CPMT-MW A124	CPMT-UF A124	DCGW A124
								
Typ / Seite	NEU DCGW-FWM A124	NEU DCGW-FWMT A124	DCGW-M A126	NEU DCGW-MT A126	DPGW A126	NEU DPGW-FWM A126	NEU DPGW-FWMT A126	DPGW-M A126
								

ISO-Wendeschneidplatten

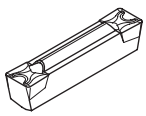
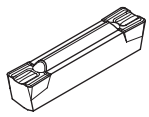
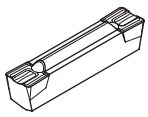
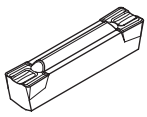
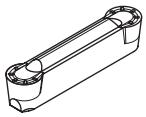
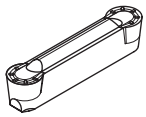
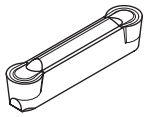
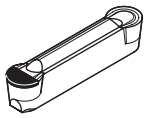
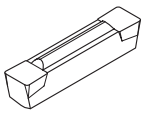
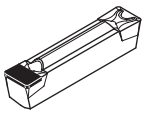
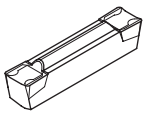
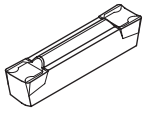
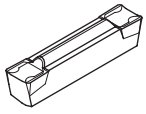
SCREW-ON Wendeschneidplatten

Typ / Seite								
	NEU DPGW-MT A126	DCGT-HP A128	DCGT-LF A128	DCMT-11 A128	DCMT-FW A128	DCMT-LF A128	DCMT-MF A128	DCMT-MW A128
								
Typ / Seite	DCMT-UF A128	DPGT-HP A130	DPGT-LF A130	DPMT-FW A130	DPMT-LF A130	DPMT-MF A130	DPMT-UF A130	FFEW A130
								
Typ / Seite	FFEW A132	RCGT-HP A132	NEU RCGT-MS A132	RCGW-T A132	RCMT A132	NEU RCMT-RH A132	NEU RCMT-RM A132	NEU RCMT-RP A134
								
Typ / Seite	SCGW A134	SCMT-11 A134	SCMT-LF A134	SCMT-MF A134	SCMT-UF A134	SPGH A134	SPGT-LF A136	SPMT-LF A136
								
Typ / Seite	SPMT-MF A136	SPMT-UF A136	TCGW A136	TCGW-M A136	NEU TCGW-MT A136	NEU TDHB A136	NEU TPGM A138	TPGW A138
								
Typ / Seite	TPGW-M A138	NEU TPGW-MT A138	TCGT-HP A138	TCGT-LF A138	TCMT-11 A138	TCMT-LF A140	TCMT-MF A140	TCMT-UF A140
								
Typ / Seite	TDHB A140	TDHH A140	TPGH A140	TPGT-HP A140	TPGT-LF A142	TPMT-LF A142	TPMT-MF A142	TPMT-UF A142
								
Typ / Seite	VBGW A142	NEU VBGW-MT A142	VBGT-HP A142	VBGT-LF A144	VBMT-11 A144	VBMT-LF A144	VCGT-HP A144	WCMT-LF A144
								
Typ / Seite	WPMT-LF A144							
								

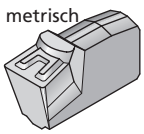
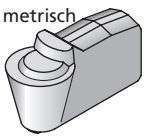
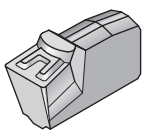
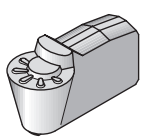
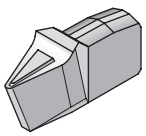
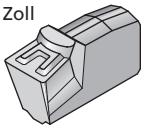
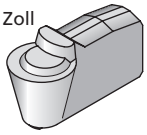
TOP NOTCH Einstechplatten

Typ Seite								
	NG-K B12-B13	NG-1L B14	NG B14-B15	NGP B15	NGP-E B16	NGD-K B16	NGD B16	NR-K B17
								
Typ Seite	NR B17	NRP B17	NRD B18	NF-K B19	NF B19	NFD-K B19	NFD-KI B20	NP-K B20
								
Typ Seite	NPD-K B20	NU B18	NV B18	NEU NGC-K B21	NB B22	NBD B22		
								

A4 Stechdreh-Wendeschneidplatten

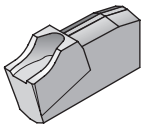
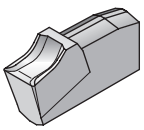
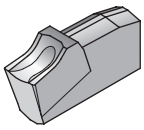
Typ Seite								
	NEU A4G-U-GMN B42	NEU A4G-U-GMP B42	NEU A4G-P-GMN B42	NEU A4G-P-GMP B42	NEU A4R-U-GMN B43	NEU A4R-P-GMN B43	NEU A4R-P-GMP B43	NEU A4R-P-E B43
								
Typ Seite	NEU A4G-U-B B44	NEU A4G-P-E B44	NEU A4C-N-CF B45	NEU A4C-L-CF B45	NEU A4C-R-CF B45			
								

A3 Tief-Einstechplatten

Typ Seite								
	A3G -P -DF B67	A3R -P -DF B67	A3G -U -DM B68	A3R -U -DR B68	A3V -U -DM B68			
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Typ Seite	A3G -P -DF B69	A3G -P -DF B69						
	Zoll 	Zoll 						

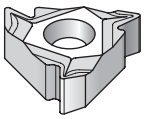
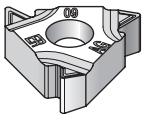
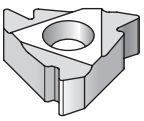
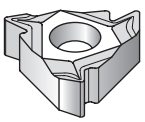
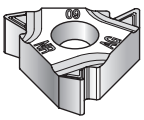
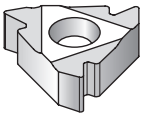
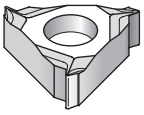
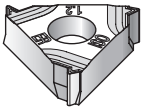
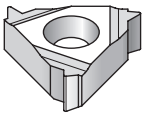
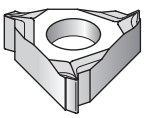
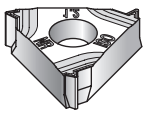
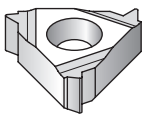
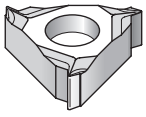
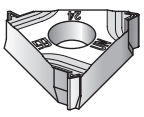
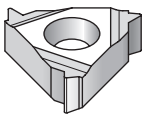
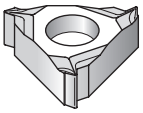
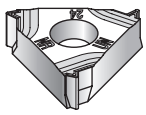
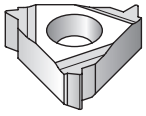
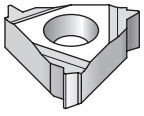
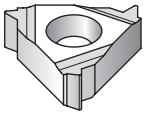
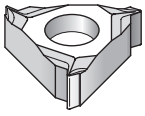
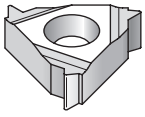
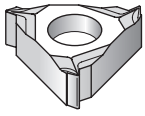
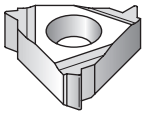
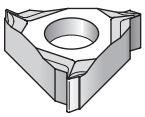
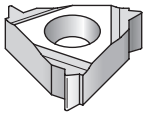
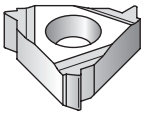
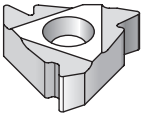
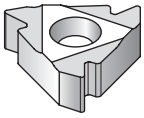
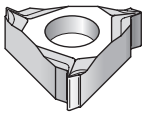
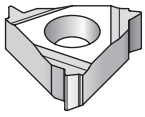
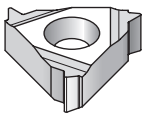
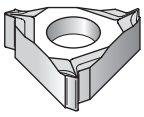
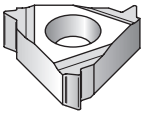
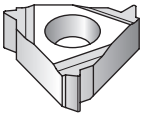
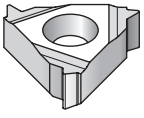
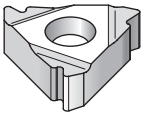
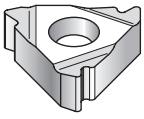
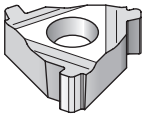
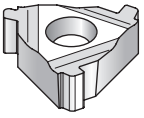
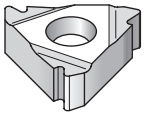
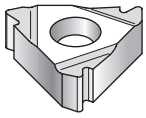
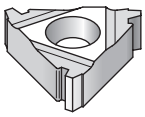
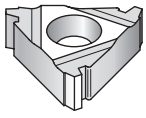
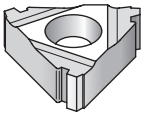
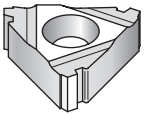
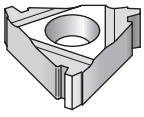
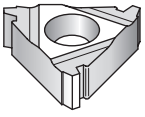
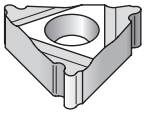
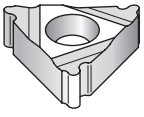
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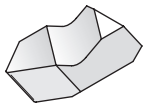
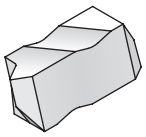
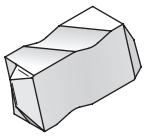
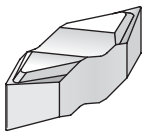
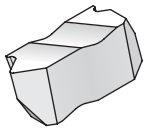
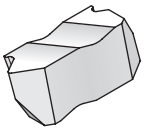
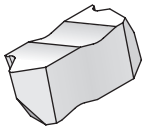
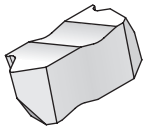
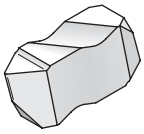
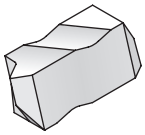
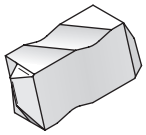
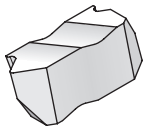
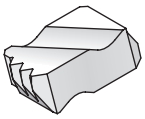
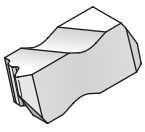
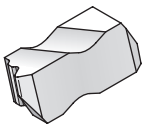
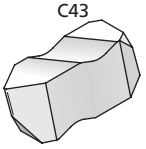
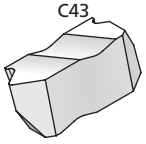
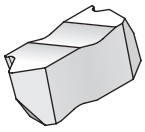
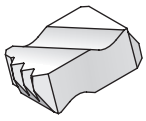
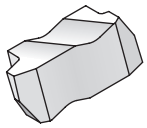
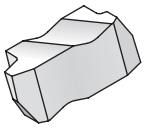
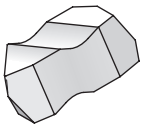
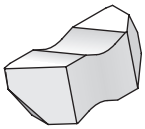
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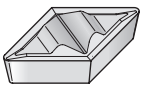
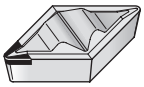
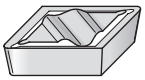
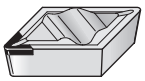
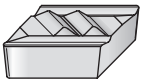
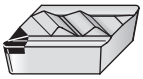
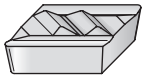
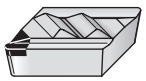
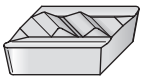
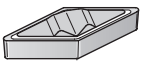
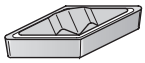
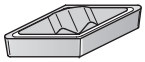
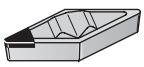
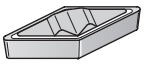
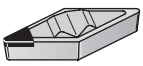
LT-Gewindeschneidplatten

Typ Seite	LT-ER-60CB C10	NEU LT-ER-60K C10	LT-ER/L-60 C10	LT-NR-60CB C10	NEU LT-NR-60K C11	LT-NR/L-60 C11	LT-ER-ISOCB C11	NEU LT-ER-ISOK C11
								
Typ **Seite**	**LT-ER/L-ISO** C11	**LT-NR-ISOCB** C12	NEU **LT-NR-ISOK** C12	**LT-NR/L-ISO** C12	**LT-ER-UNCB** C13	NEU **LT-ER-UNK** C13	**LT-ER/L-UN** C13	**LT-NR-UNCB** C13
								
Typ **Seite**	NEU **LT-NR-UNK** C14	**LT-NR/L-UN** C14	**LT-ER/L-UNJ** C15	**LT-NR/L-UNJ** C15	**LT-ER-NPTCB** C15	**LT-ER/L-NPT** C16	**LT-NR-NPTCB** C16	**LT-NR/L-NPT** C16
								
Typ **Seite**	**LT-ER-NPTFCB** C16	**LT-ER/L-NPTF** C16	**LT-NR/L-NPTF** C17	**LT-ER/L-55** C17	**LT-NR/L-55** C17	**LT-ER-WCB** C17	**LT-ER/L-W** C17	**LT-ER/L-W** C18
								
Typ **Seite**	**LT-NR-WCB** C18	**LT-NR/L-W** C18	**LT-ER/L-BSPT** C19	**LT-NR/L-BSPT** C19	**LT-ER/L-API** C19	**LT-NR/L-API** C19	**LT-ER/L-BUT** C19	**LT-NR/L-BUT** C20
								
Typ **Seite**	**LT-ER/L-APIRD** C20	**LT-NR/L-APIRD** C20	**LT-ER/L-ACME** C20	**LT-NR/L-ACME** C20	**LT-ER/L-STACME** C21	**LT-NR/L-STACME** C21	**LT-ER/L-TR** C21	**LT-NR/L-TR** C21
								
Typ **Seite**	**LT-ER/L-RD** C22	**LT-NR/L-RD** C22						
								

Typ / Seite								
	NT-K C36	**NT-1L** C36	**NT** C36	**NTP** C37	**NT-CK** C37	**NTF** C37	**NTK** C38	**NTU** C38
								
Typ / Seite	**NTC-M-E** C38	**NTC-M-I** C39	**NTC-E** C39	**NTC-I** C39	**NJ** C40	**NJP** C40	**NJF** C40	**NJK** C41
								
Typ / Seite	**NDC-V** C42	**NDC-V-M (Poly-V)** C42	**NWC-E** C42	**NWC-I** C43	**ND (Teilprofil)** C43	**NDC (Vollprofil)** C43	**NDC-RD** C44	**NDC-RD-M (Poly-V)** C44
								
Typ / Seite	**NA** C45	**NAS** C46	**NTB-A** C46	**NTB-B** C46				
								

Profildreh-Wendeschneidplatten

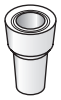
TOP NOTCH Profiling Wendeschneidplatten

Typ / Seite								
	DCGR D4	**DCGR** D4	**KCGR** D4	**KCGR** D4	**KNGX** D4	**KNGX** D4	**KCGX** D4	**KCGX** D4
								
Typ / Seite	**KNUX** D6	**VBMR** D6	**VCMR** D6	**VCGN** D6	**VCGN** D6	**VCGR** D4	**VCGR** D6	
								

KENDEX MINI Wendeschneidplatten

Typ / Seite								
	BPGF D22							
								

Positive Profildreh-Wendeschneidplatten

Typ Seite	RCGK-FS D18	RCGK-HP D18	RCMK D18					
								

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ISO-Drehwerkzeuge

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KENNA PERFECT – Auswahlsystem

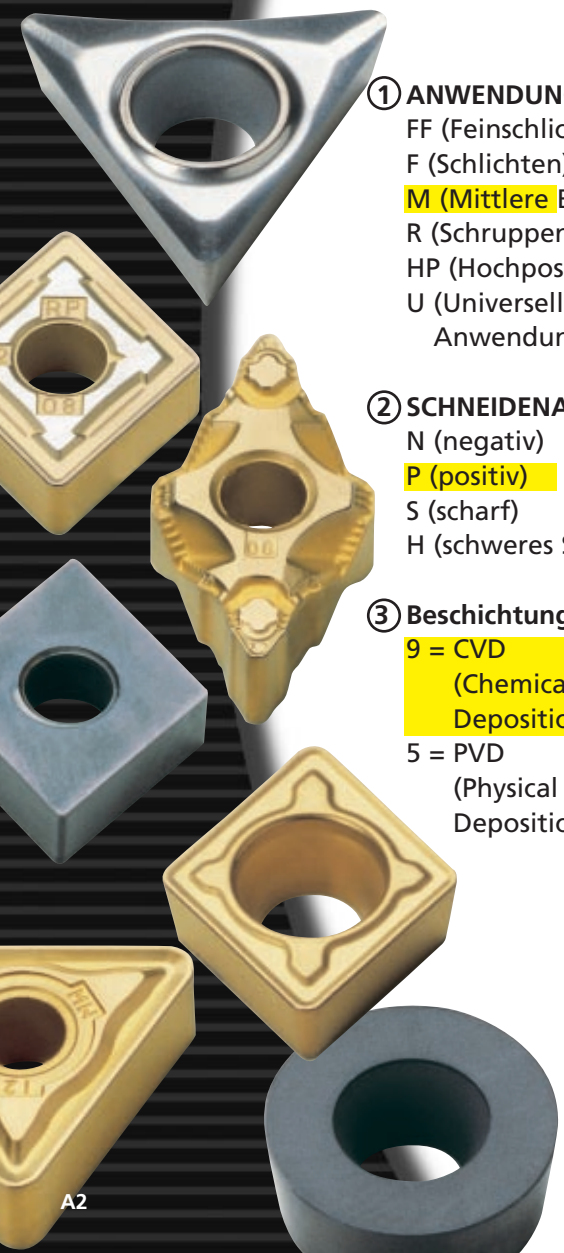
Das Auswahlsystem für Schneidstoffsorte, Geometrie und Anwendungsempfehlung führt Sie schnell und zielsicher zum optimalen Werkzeug für Ihre Dreh-Anwendung.

anhand der Spanformstufe… | **anhand des Schneidstoffs…**

CNMG120408FP **KC9225**

①② ③④⑤

…und anhand der Wendeschneidplattentype!



① ANWENDUNG:
FF (Feinschlichten)
F (Schlichten)
M (Mittlere Bearbeitung)
R (Schruppen)
HP (Hochpositiv)
U (Universelle Anwendungen)

② SCHNEIDENAUSFÜHRUNG:
N (negativ)
P (positiv)
S (scharf)
H (schweres Schruppen)

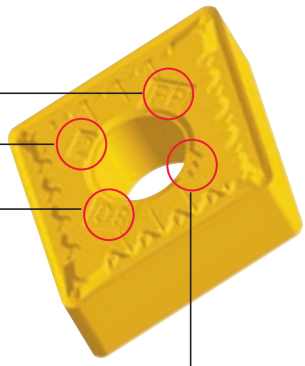
③ Beschichtung:
9 = CVD (Chemical Vapor Deposition)
5 = PVD (Physical Vapor Deposition)

④ KENNA PERFECT MATERIAL Werkstoffgruppe:
1 = Stahl
2 = Nichtrostender Stahl
3 = Gusseisen
4 = NE-Metalle
5 = Schwer zerspanbare Werkstoffe
6 = Harte Werkstoffe
0 = Universalsorte (für mehrere Werkstoffgruppen)

⑤ VERSCHLEISSFESTIGKEIT/ ZÄHIGKEIT ISO BEREICH:
10 = hoch verschleißfest
bis
50 = extrem zäh

ECKENRADIUS:
für ISO und ANSI

SPANFORMSTUFE:
FF, FN, MN, RN, FP, MP, RP, RM, RH, or UN



GEOMETRIE:
▼ Schruppen
▼▼ Mittlere Bearbeitung
▼▼▼ Schlichten
▼▼▼▼ Feinschlichten

Positive Wendeschneidplatten



SCREW-ON Wendeschneidplatten

- Erste Wahl für Innenbearbeitung auf allen Werkstoffen und Außenbearbeitung auf kleinen bis mittleren Drehmaschinen.
- Verfügbar mit und ohne Spanformstufe, gespresst oder umfangsgeschliffen. Für alle Werkstoffe.

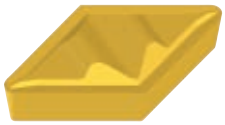
Wendeschneidplattenprogramm
s. S. A116 - A145



KENDEX positive Wendeschneidplatten

- Erste Wahl für wirtschaftliche Bearbeitung von schwerzerspanbaren Werkstoffen auf mittleren bis großen Drehzentren.
- Verfügbar ohne Spanformstufe, umfangsgeschliffen.

Wendeschneidplattenprogramm
s. S. A106 - A115



TOP NOTCH Profiling Wendeschneidplatten

- Erste Wahl für Profildrehoperationen.
- Einzigartiges Spannsystem bietet höchste Klemmstabilität.
- Verfügbar mit Spanformstufe, gepresst oder umfangsgeschliffen. Für alle Werkstoffe.

Wendeschneidplattenprogramm
s. S. D4 - D7



K-LOCK Wendeschneidplatten

- Ideal für tiefes Einstechen und Profilieren.
- Einzigartiges Spannsystem garantiert ungehinderten Spanablauf.
- Gepresst und umfangsgeschliffen verfügbar.

Wendeschneidplattenprogramm
s. S. D18 -19

Negative Wendeschneidplatten



KENLOC Wendeschneidplatten

- Erste Wahl für allgemeine Drehbearbeitungen auf mittleren bis großen Drehzentren für alle Werkstoffe.
- Höchste Wirtschaftlichkeit durch höchste Zerspanraten.
- Mit und ohne Spanformstufe, gepresst oder umfangsgeschliffen.

Wendeschneidplattenprogramm
s. S. A50 - A91



KENDEX Wendeschneidplatten

- Kendex negativ Wendeschneidplatten sind bestens geeignet für die Bearbeitung von schwer zerspanbaren Werkstoffen.
- Ebenso empfohlen für harte Werkstoffe und Gusseisen.
- Verfügbar ohne Spanformstufe in umfangsgeschliffenen Qualitäten.
- Breites Angebot von Standard-Klemmhaltern verfügbar.

Wendeschneidplattenprogramm
s. S. A92 - A105



KENDEX Wendeschneidplatten mit Muldenspannung

- Keramik Wendeschneidplatten mit Muldenspannung sind die erste Wahl zum Hochgeschwindigkeits-Schruppen und -Schlichten von Gusseisen.
- Verfügbar ohne Spanformstufe in umfangsgeschliffenen Qualitäten.

Wendeschneidpattenprogramm
s. S. A92 - A105

KENNA PERFECT Auswahlsystem für Wendeschneidplatten

KENNA PERFECT ist das anwenderfreundliche Wendeschneidplatten-Auswahlsystem von Kennametal. In drei Auswahlschritten werden die Werkzeugempfehlungen unter Berücksichtigung der sechs Werkstoffgruppen für eine optimale Werkzeugauslegung ermittelt.

Beispiel:

6 Werkstoffgruppen

1. Schritt – Wahl der Spanformstufe

Gegeben: Schnitttiefe = 1,0 mm (.040") und Vorschub = 0,4 mm (.016 ipr)
Unbekannt: **Spanformstufe**
Lösung: -MN

2. Schritt – Wahl des Schneidstoffes

Gegeben: Schnittbedingungen: leicht unterbrochener Schnitt
Spanformstufe: -MN
Unbekannt: **Schneidstoff**
Lösung: KC9125

3. Schritt – Wahl der Schnittgeschwindigkeit

Gegeben: Schneidstoff KC9125
Schnittbedingungen
Werkstoff Ck15
Unbekannt: **Schnittgeschwindigkeit**
Lösung: 280 m/min

- Stahl
- Nicht rostender Stahl
- Gusseisen
- NE-Metalle
- Schwer zerspanbare Werkstoffe
- Harte Werkstoffe

1. Schritt – Wahl der Spanformstufe

Negative Wendeschneidplatten

▼ Schruppen



-RN -RP* (positiv)

▼▼ Mittlere Bearbeitung



-MN

▼▼▼ Schlichten

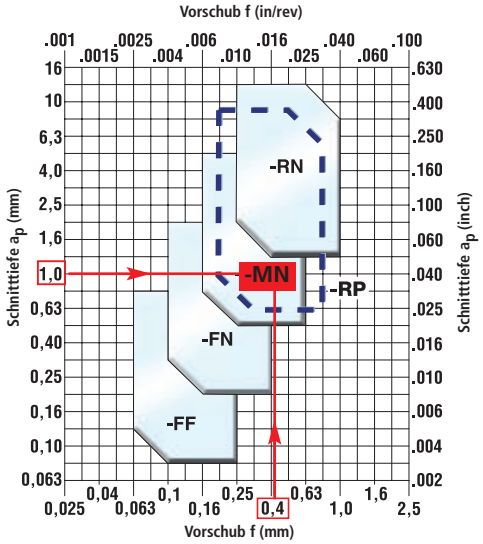


-FN

▼▼▼▼ Feinschlichten



-FF



*-RP -- Zusätzliche Spanstufe für hochfeste Werkstoffe

2. Schritt – Wahl des Schneidstoffes

Schnittbedingung		Negative Wendeschneidplatten -FF ▼▼▼▼	-FN ▼▼▼	-MN ▼▼	-RN ▼	-RP ▼
stark unterbrochener Schnitt		KC9110	KC9125	KC9040*	KC9040*	KC9040*
leicht unterbrochener Schnitt		KC9110	KC9125	KC9125	KC9125	KC9125
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KT315	KC9110	KC9110	KC9110	KC9110
glatter Schnitt, vorbearbeitete Oberfläche		KT315	KT315	KC9110	KC9110	KC9110

3. Schritt – Wahl der Schnittgeschwindigkeit

Stahl mit geringem Kohlenstoffgehalt (< 0,3 % C) und Automatenstahl

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 135 (450) 180 (600) 225 (750) 275 (900) 320 (1050) 360 (1200) 410 (1350) 455 (1500)	Ausgangswerte m/min	sfm
P 1	KT315		440	1450
	KC9110/KC9315		400	1320
	KC9125/KC9225/KC5010		280	925
	KC9040*/KC9240/KC8050		215	700

Neue KENNA PERFECT Werkstoffgruppen-Auswahlhilfe:

Um Schnittgeschwindigkeitsempfehlungen zu optimieren, wurden die 6 Werkstoffgruppen jeweils um KENNA PERFECT Werkstoff-Untergruppen ergänzt.

Werkstoff	Werkstoffgruppe ISO-Code	Werkstoff-Nr. Untergruppen
Stahl	P	1 - 6
Nicht rostender Stahl	M	1 - 3
Gusseisen	K	1 - 3
NE-Metalle	N	1 - 8
Schwer zerspanbare Werkstoffe	S	1 - 4
Harte Werkstoffe	H	1

Siehe KENNA PERFECT Werkstoff-gruppen-Auswahlhilfe auf Seite E54.

*Schneidstoff KC9040 wird in der verbesserten Sorte KC9140 ab Frühjahr 2005 zur Verfügung stehen.

KENNA PERFECT – Stahl

Kohlenstoffstahl, legierter Stahl und Werkzeugstahl bis zu 450 HB (48 HRC)

1. Schritt – Wahl der Spanformstufe

Negative Wiper-Wendeschneidplatten

Schruppen



-RW

Mittlere Bearbeitung

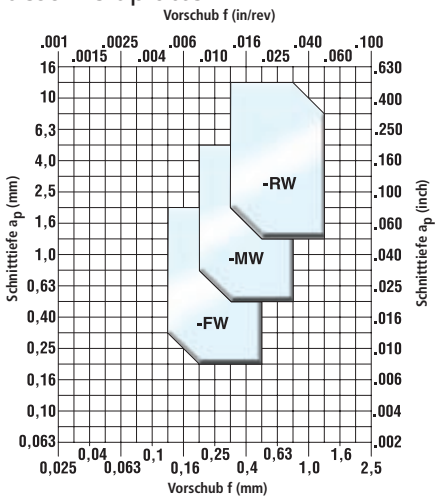


-MW

Schlichten



-FW



Positive Wiper-Wendeschneidplatten

Mittlere Bearbeitung

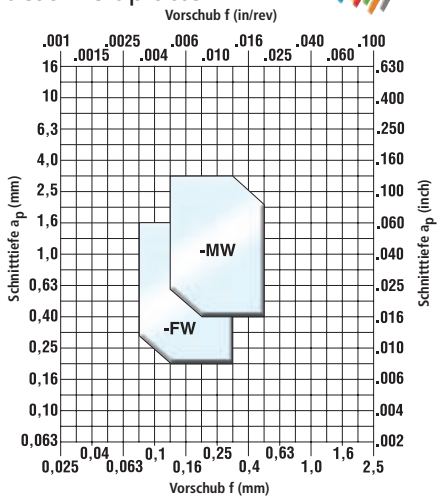


-MW

Schlichten



-FW



2. Schritt – Wahl des Schneidstoffes

Schnittbedingung		Negative Wendeschneidplatten -FW	-MW	-RW	Positive Wendeschneidplatten -FW	-MW
stark unterbrochener Schnitt		–	–	KC8050	–	KC8050
leicht unterbrochener Schnitt		KC9110	KC9125	KC9125	KC9225	KC9225
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KT315	KC9110	KC9110	KC9315	KC9315
glatter Schnitt, vorbearbeitete Oberfläche		KT315	KC9110	KC9110	KT315	KT315

1. Schritt – Wahl der Spanformstufe

Negative Wendeschneidplatten

▼ Schruppen



-RN -RP* (positiv)

▼▼ Mittlere Bearbeitung



-MN

▼▼▼ Schlichten

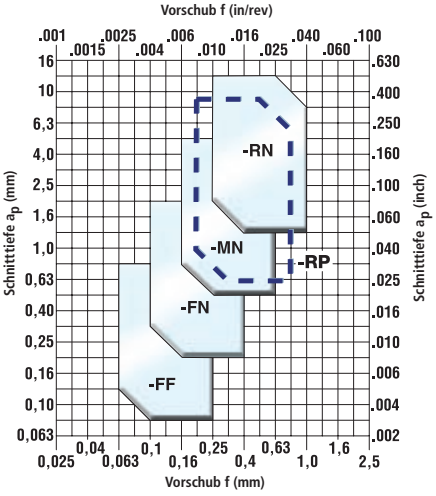


-FN

▼▼▼▼ Feinschlichten



-FF



*-RP -- Zusätzliche Spanstufe für hochfeste Werkstoffe

Positive Wendeschneidplatten

▼▼ Mittlere Bearbeitung



-MF

▼▼▼ Schlichten

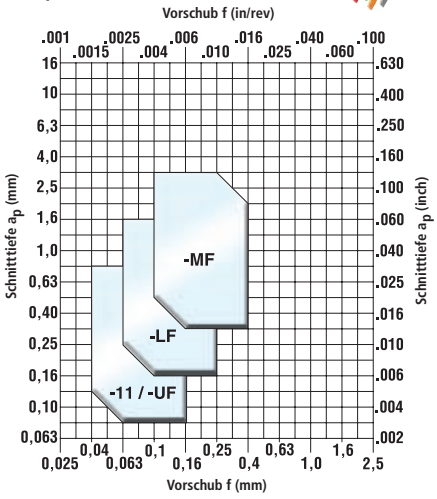


-LF

▼▼▼▼ Feinschlichten



-11 -UF



2. Schritt – Wahl des Schneidstoffes

Schnittbedingung		Negative Wendeschneidplatten -FF ▼▼▼▼	-FN ▼▼▼	-MN ▼▼	-RN ▼	-RP ▼	Positive Wendeschneidplatten -11 ▼▼▼▼	-UF ▼▼▼▼	-LF ▼▼▼	-MF ▼▼
stark unterbrochener Schnitt		KC9110	KC9125	KC9040*	KC9040*	KC9040*	–	KC5010	KC9125	KC9240
leicht unterbrochener Schnitt		KC9110	KC9125	KC9125	KC9125	KC9125	–	KC5010	KC9125	KC9125
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KT315	KC9110	KC9110	KC9110	KC9110	KT315	–	KC9110	KC9110
glatter Schnitt, vorbearbeitete Oberfläche		KT315	KT315	KC9110	KC9110	KC9110	KT315	–	KT315	KC9110

*Schneidstoff KC9040 wird in der verbesserten Sorte KC9140 ab Frühjahr 2005 zur Verfügung stehen.

3. Schritt – Wahl der Schnittgeschwindigkeit

Stahl mit geringem Kohlenstoffgehalt (< 0,3 % C) und Automatenstahl

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 135 (450)	180 (600)	225 (750)	275 (900)	320 (1050)	360 (1200)	410 (1350)	455 (1500)	Ausgangswerte m/min	sfm
P 1	KT315							◁▷		440	1450
	KC9110/KC9315						◁▷			400	1320
	KC9125/KC9225/KC5010				◁▷					280	925
	KC9040*/KC9240/KC8050			◁▷						215	700

Stähle mit mittlerem und hohem Kohlenstoffgehalt (> 0,3 % C)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 135 (450)	180 (600)	225 (750)	275 (900)	320 (1050)	360 (1200)	410 (1350)	Ausgangswerte m/min	sfm
P 2	KT315				◁▷				270	880
	KC9110/KC9315			◁▷					250	800
	KC9125/KC9225/KC5010		◁▷						200	650
	KC9040*/KC9240/KC8050	◁▷							150	500

Legierter Stahl und Werkzeugstahl (≤ 330 HB) (≤ 35 HRC)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 135 (450)	180 (600)	225 (750)	275 (900)	320 (1050)	360 (1200)	410 (1350)	Ausgangswerte m/min	sfm
P 3	KT315			◁▷					210	680
	KC9110/KC9315		◁▷						190	630
	KC9125/KC9225/KC5010	◁▷							155	510
	KC9040*/KC9240/KC8050	◁▷							120	400

Legierter Stahl und Werkzeugstahl (340 - 450 HB) (36 - 48 HRC)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 60 (200)	90 (300)	120 (400)	180 (500)	180 (600)	210 (700)	240 (900)	Ausgangswerte m/min	sfm
P 4	KT315				◁▷				160	530
	KC9110/KC9315			◁▷					150	480
	KC9125/KC9225/KC5010			◁▷					110	360
	KC9040*/KC9240/KC8050			◁▷					100	325

Ferritische, martensitische und nicht rostende PH-Stähle (≤ 330 HB) (≤ 35 HRC)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 120 (400)	150 (500)	180 (600)	210 (700)	240 (800)	275 (900)	300 (1000)	Ausgangswerte m/min	sfm
P 5	KT315					◁▷			250	800
	KC9110/KC9315				◁▷				220	720
	KC9125/KC9225/KC5010				◁▷				200	660
	KC9040*/KC9240/KC8050		◁▷						140	450

Ferritische, martensitische und nicht rostende PH-Stähle (340 - 450 HB) (36 - 48 HRC)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Speed - m/min (sfm) 105 (350)	135 (450)	170 (550)	200 (650)	225 (750)	260 (850)	285 (950)	Ausgangswerte m/min	sfm
P 6	KT315				◁▷				200	660
	KC9110/KC9315				◁▷				180	600
	KC9125/KC9225/KC5010			◁▷					150	500
	KC9040*/KC9240/KC8050		◁▷						110	350

*Schneidstoff KC9040 wird in der verbesserten Sorte KC9140 ab Frühjahr 2005 zur Verfügung stehen.

◁▷ Stellt die empfohlenen Ausgangswerte dar. Für den jeweiligen Einsatz optimieren.
Siehe KENNA PERFECT Werkstoffgruppen-Auswahlhilfe auf Seite E54.

KENNA PERFECT – Nicht rostender Stahl

Austenitische nicht rostende Stähle

1. Schritt – Wahl der Spanformstufe

Negative Wiper-Wendeschneidplatten

Schruppen



-RW

Mittlere Bearbeitung

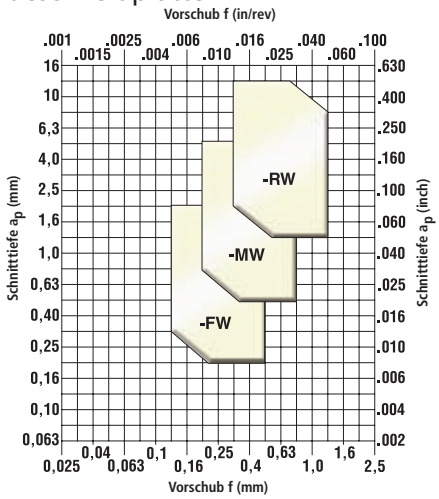


-MW

Schlichten



-FW



Positive Wiper-Wendeschneidplatten

Mittlere Bearbeitung

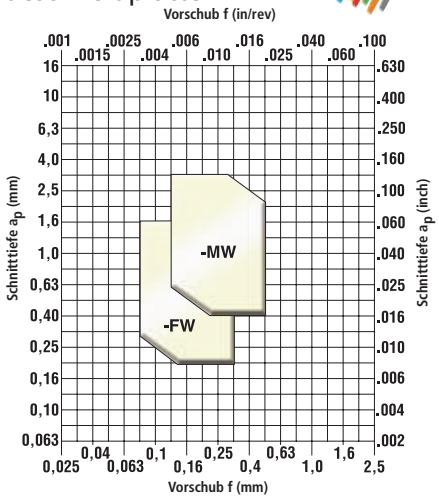


-MW

Schlichten



-FW



2. Schritt – Wahl des Schneidstoffes

		Negative Wendeschneidplatten			Positive Wendeschneidplatten	
Schnittbedingung		**-FW**	**-MW**	**-RW**	**-FW**	**-MW**
stark unterbrochener Schnitt		–	–	KC8050	–	–
leicht unterbrochener Schnitt		KC9225	KC9240	KC8050	KC9225	KC9225
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KC5010	KC9225	KC8050	KC5010	KC5010
glatter Schnitt, vorbearbeitete Oberfläche		KT315	KC9225	KC8050	KT315	KT315

1. Schritt – Wahl der Spanformstufe

Negative Wendeschneidplatten

▼ Schruppen



-RP -P

▼▼ Mittlere Bearbeitung



-MP

▼▼▼ Schlichten

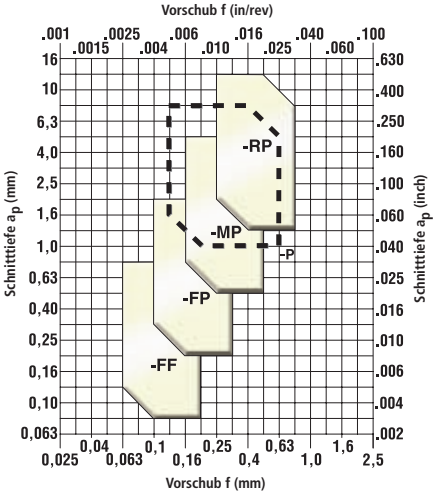


-FP

▼▼▼▼ Feinschlichten



-FF



Positive Wendeschneidplatten

▼▼ Mittlere Bearbeitung



-MF

▼▼▼ Schlichten

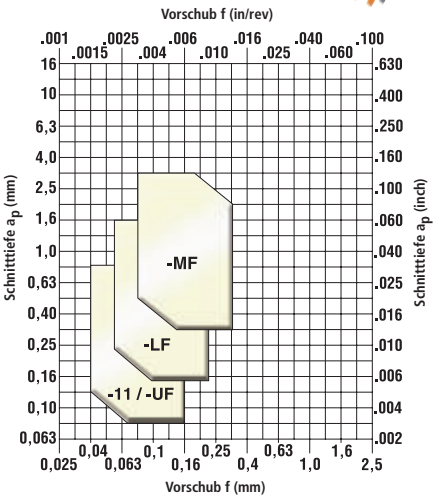


-LF ..GT-LF

▼▼▼▼ Feinschlichten



-11 -UF



2. Schritt – Wahl des Schneidstoffes

		Negative Wendeschneidplatten					Positive Wendeschneidplatten				
		-FF	-FP	-MP	-P	-RP	-11	-UF	-LF	..GT-LF	-MF
Schnittbedingung		▼▼▼▼	▼▼▼	▼▼	▼▼	▼	▼▼▼▼	▼▼▼▼	▼▼▼▼	▼▼▼	▼▼
stark unterbrochener Schnitt		KC5010	KC9225	KC9240	KC9240	KC9240	-	KC5010	KC9240	KC5025	KC9240
leicht unterbrochener Schnitt		KC5010	KC9225	KC9240	KC9240	KC9240	-	KC5010	KC9225	KC5025	KC9240
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KT315	KC5010	KC9225	KC9225	KC9225	KT315	-	KC5010	KC5010	KC9225
glatter Schnitt, vorbearbeitete Oberfläche		KT315	KT315	KC5010	KC5010	KC9225	KT315	-	KT315	KC5010	KC9225

3. Schritt – Wahl der Schnittgeschwindigkeit

Austenitischer nicht rostender Stahl:

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 90 (300) / 135 (450) / 180 (600) / 225 (750) / 275 (900) / 320 (1050) / 360 (1200)	Ausgangswerte m/min	Ausgangswerte sfm
M 1	KT315		230	750
	KC5010		215	700
	KC9225		185	600
	KC5025		180	550
	KC8050		170	550
	KC9240		150	500
	KC9245		120	400

Austenitischer nicht rostender Stahl:

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 90 (300) / 135 (450) / 180 (600) / 225 (750) / 275 (900) / 320 (1050) / 360 (1200)	Ausgangswerte m/min	Ausgangswerte sfm
M 2	KT315		215	700
	KC5010		200	650
	KC9225		170	550
	KC5025		165	500
	KC8050		150	500
	KC9240		140	450
	KC9245		105	350

Austenitischer nicht rostender Stahl: Duplex (ferritisch-austenitisches Gefüge)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 90 (300) / 135 (450) / 180 (600) / 225 (750) / 275 (900) / 320 (1050) / 360 (1200)	Ausgangswerte m/min	Ausgangswerte sfm
M 3	KT315		200	650
	KC5010		185	600
	KC9225		150	500
	KC5025		150	450
	KC8050		140	450
	KC9240		120	400
	KC9245		90	300

◁▷ Stellt die empfohlenen Ausgangswerte dar. Für den jeweiligen Einsatz optimieren.

Die Zerspanungseigenschaften der unten aufgeführten ferritischen, martensitischen und nicht rostenden PH-Stähle sind denen typischer Stähle ähnlich. Empfehlungen zur Bearbeitung dieser Stahlarten finden Sie auf Seite A7. (Gruppen P5 und P6).

Siehe KENNA PERFECT Werkstoffgruppen-Auswahlhilfe auf Seite E54.

KENNA PERFECT WIPER – Gusseisen

Sphäroguss und Grauguss

1. Schritt – Wahl der Spanformstufe

Negative Wiper-Wendeschneidplatten

Mittlere Bearbeitung

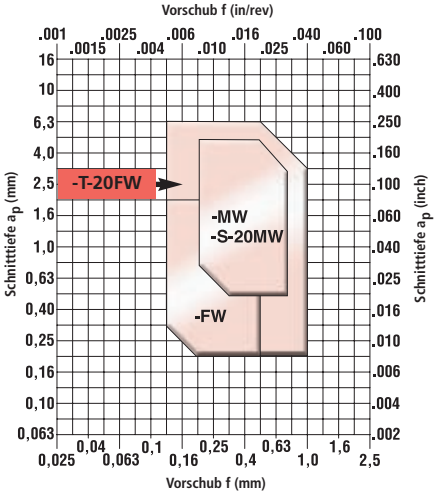


-MW -MW -S-20MW

Schlichten



-FW -FW -T-20FW -FW -T-20FW



Positive Wiper-Wendeschneidplatten

Mittlere Bearbeitung

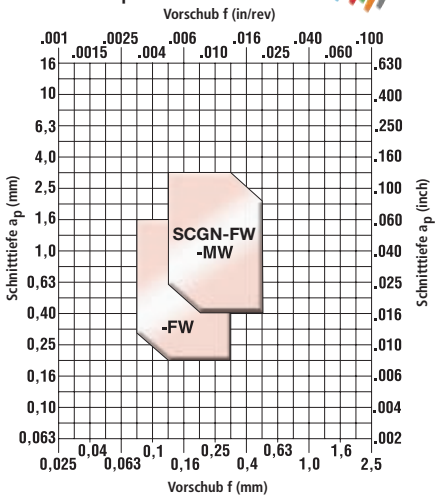


-MW

Schlichten



-FW SCGN-FW



2. Schritt – Wahl des Schneidstoffes

Grauguss		Negative Wendeschneidplatten				Positive Wendeschneidplatten		
Schnittbedingung		-FW	-FW -T-20FW	-MW	-S-20MW	-FW	SCGN-FW	-MW
stark unterbrochener Schnitt		–	KY3500	–	KB9640	–	KY3500	–
leicht unterbrochener Schnitt		KC9315	KY3500	KC9325	KB9640	KC9315	KY3500	KC9315
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KT315	KY1310	KC9315	KB9640	KC9315	KY1310	KC9315
glatter Schnitt, vorbearbeitete Oberfläche		KT315	KY1310	KC9315	KB9640	KT315	KY1310	KT315

Sphäroguss		Negative Wendeschneidplatten			Positive Wendeschneidplatten		
Schnittbedingung		-FW	-T-20FW	-MW	-FW	SCGN-FW	-MW
stark unterbrochener Schnitt		–	–	–	–	–	–
leicht unterbrochener Schnitt		KC9315	KY3500	KC9315	KC9315	KY3500	KC9315
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KT315	KY3400	KC9315	KC9315	KY3400	KC9315
glatter Schnitt, vorbearbeitete Oberfläche		KT315	KY3400	KC9315	KT315	KY3400	KT315

3. Schritt – Wahl der Schnittgeschwindigkeit

Grauguss

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 60 (200) / 180 (600) / 305 (1000) / 430 (1400) / 550 (1800) / 675 (2200) / 800 (2600) / 920 (3000) / 1040 (3400) / 1160 (3800)	Ausgangswerte m/min	Ausgangswerte sfm
K 1	KT315		275	900
	KC9315		275	900
	KC9325		275	900
	KB9640		760	2500
	KY1310		760	2500
	KY3500		760	2500

Sphäroguss, Vermikularguss & Temperguss (<600 MPa Zugfestigkeit)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 120 (400) / 200 (650) / 275 (900) / 350 (1150) / 430 (1400) / 505 (1650) / 580 (1900)	Ausgangswerte m/min	Ausgangswerte sfm
K 2	KT315		275	900
	KC9315		260	850
	KY3400		430	1400
	KY3400		365	1200

Sphäroguss, Temperguss & bainitisches Gusseisen (>600 MPa Zugfestigkeit)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 120 (400) / 200 (650) / 275 (900) / 350 (1150) / 430 (1400) / 505 (1650) / 580 (1900)	Ausgangswerte m/min	Ausgangswerte sfm
K 3	KT315		230	750
	KC9315		215	700
	KY3400		365	1200
	KY3500		335	1100

◁▷ Stellt die empfohlenen Ausgangswerte dar. Für den jeweiligen Einsatz optimieren.

Siehe KENNA PERFECT Werkstoffgruppen-Auswahlhilfe auf Seite E54.

KENNA PERFECT – Gusseisen

Sphäroguss und Grauguss

1. Schritt – Wahl der Spanformstufe

Negative Wendeschneidplatten

▼ Schruppen



..MA -S-20 | -T-20 | -S-20

▼▼ Mittlere Bearbeitung

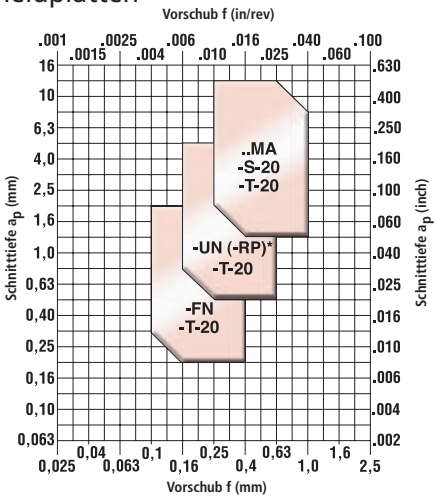


-UN | -T-20 | -RP

▼▼▼ Schlichten



-FN | -T-20



Positive Wendeschneidplatten

▼▼ Mittlere Bearbeitung



-MF | -T-20

▼▼▼ Schlichten

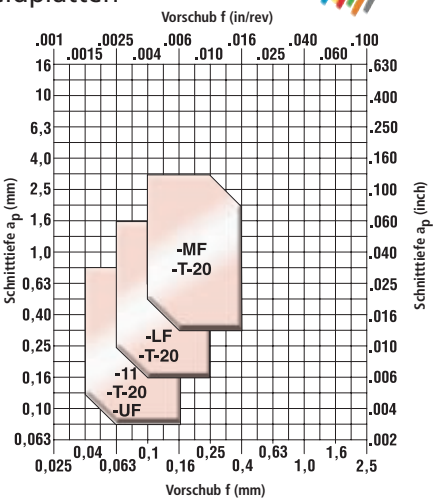


-LF | -T-20

▼▼▼▼ Feinschlichten



-11 Keramik | -UF | -T-20



* Spanstufe kann bei mittleren Bearbeitungsvorgängen verwendet werden, um den Werkzeugdruck bei hochfesten Metallen zu verringern.

2. Schritt – Wahl des Schneidstoffes

Grauguss		Negative Wendeschneidplatten							Positive Wendeschneidplatten				
Schnittbedingung		-T-20 ▼▼▼	-FN ▼▼▼	-T-20 ▼▼	-UN(-RP) ▼▼	-T-20 ▼	..MA ▼	-S-20 ▼	-T-20 ▼▼▼▼	-T-20 ▼▼▼	-LF ▼▼▼	-T-20 ▼▼	-MF ▼▼
stark unterbrochener Schnitt		–	KC9315	KY3500	KC9325	KY3500	KC9325	KB9640	–	KY3500	KC9325	KY3500	KC9325
leicht unterbrochener Schnitt		–	KC9315	KY3500	KC9325	KY3500	KC9325	KB9640	–	KY3500	KC9325	KY3500	KC9325
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KY1310	KT315	KY1310	KC9325	KY3500	KC9325	KB9640	KY1310	KY1310	KC9325	KY3500	KC9325
glatter Schnitt, vorbearbeitete Oberfläche		KY1310	KT315	KY1310	KC9315	KY1310	KC9315	KB9640	KY1310	KY1310	KC9315	KY1310	KC9325

Sphäroguss		Negative Wendeschneidplatten						Positive Wendeschneidplatten					
Schnittbedingung		-T-20 ▼▼▼	-FN ▼▼▼	-T-20 ▼▼	-UN(-RP) ▼▼	-T-20 ▼	..MA ▼	-T-20 ▼▼▼▼	-11/-UF ▼▼▼▼	-T-20 ▼▼▼	-LF ▼▼▼	-T-20 ▼▼	-MF ▼▼
stark unterbrochener Schnitt		–	KC9315	KY3500	KC9325	KY3500	KC9325	–	–	KY3500	KC9325	KY3500	KC9325
leicht unterbrochener Schnitt		–	KC9315	KY3400	KC9315	KY3400	KC9315	–	KC5010	KY3400	KC9315	KY3400	KC9315
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KY3400	KT315	KY3400	KC9315	KY3400	KC9315	KY3400	KT315	KY3400	KC5010	KY3400	KC9315
glatter Schnitt, vorbearbeitete Oberfläche		KY3400	KT315	KY3400	KC9315	KY3400	KC9315	KY3400	KT315	KY3400	KT315	KY3400	KC9315

3. Schritt – Wahl der Schnittgeschwindigkeit

Grauguss

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 60 (200) · 180 (600) · 305 (1000) · 430 (1400) · 550 (1800) · 675 (2200) · 800 (2600) · 920 (3000) · 1040 (3400) · 1160 (3800)	Ausgangswerte m/min	Ausgangswerte sfm
K 1	KT315		275	900
	KC9315		275	900
	KC9325		275	900
	KB9640		760	2500
	KY1310		760	2500
	KY3500		760	2500

Sphäroguss, Vermikularguss & Temperguss (< 600 MPa Zugfestigkeit)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 90 (300) · 135 (450) · 180 (600) · 225 (750) · 275 (900) · 320 (1050) · 360 (1200) · 410 (1350) · 460 (1500) · 500 (1650) · 550 (1800) · 600 (1950)	Ausgangswerte m/min	Ausgangswerte sfm
K 2	KT315		275	900
	KC5010		200	650
	KC9315		260	850
	KC9325		260	850
	KY3400		430	1400
	KY3500		365	1200

Sphäroguss, Temperguss & bainitisches Gusseisen (> 600 MPa Zugfestigkeit)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 90 (300) · 135 (450) · 180 (600) · 225 (750) · 275 (900) · 320 (1050) · 360 (1200) · 410 (1350) · 460 (1500) · 500 (1650) · 550 (1800) · 600 (1950)	Ausgangswerte m/min	Ausgangswerte sfm
K 3	KT315		230	750
	KC5010		150	500
	KC9315		215	700
	KC9325		215	700
	KY3400		365	1200
	KY3500		335	1100

◁▷ Stellt die empfohlenen Ausgangswerte dar. Für den jeweiligen Einsatz optimieren.

Siehe KENNA PERFECT Werkstoffgruppen-Auswahlhilfe auf Seite E54.

KENNA PERFECT – NE-Metalle

Aluminiumlegierungen

1. Schritt – Wahl der Spanformstufe

Negative Wendeschneidplatten

▼▼ Mittlere Bearbeitung



..GP



..MS

▼▼▼ Schlichten

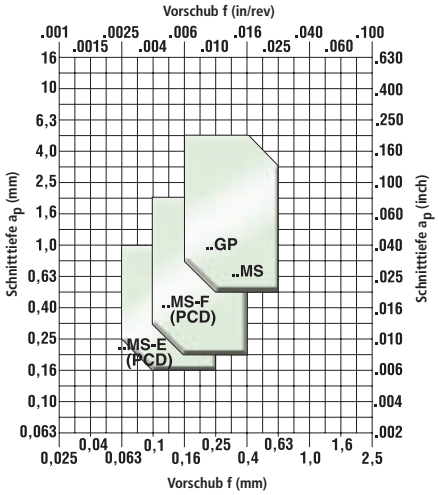


..MS-F (PCD)

▼▼▼▼ Feinschlichten



..MS-E (PCD)



Positive Wendeschneidplatten

▼▼ Mittlere Bearbeitung



..GT-HP

▼▼▼ Schlichten



..GT-LF

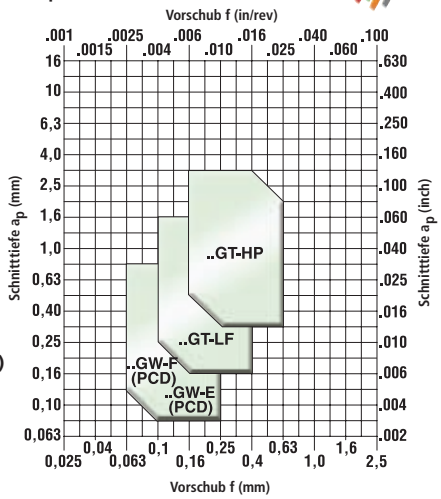
▼▼▼▼ Feinschlichten



..GW-F (PCD)



..GW-E (PCD)



2. Schritt – Wahl des Schneidstoffes

		Negative Wendeschneidplatten				Positive Wendeschneidplatten			
Schnittbedingung		**..MS-E (PCD)** ▼▼▼▼	**..MS-F (PCD)** ▼▼▼	**..GP** ▼▼	**..MS** ▼▼	**..GW-E (PCD)** ▼▼▼▼	**..GW-F (PCD)** ▼▼▼▼	**..GT-LF** ▼▼▼	**..GT-HP** ▼▼
stark unterbrochener Schnitt		–	KD100	KC5410	KC5410	–	KD100	–	KC5410
leicht unterbrochener Schnitt		KD1405	KD100	KC5410	KC5410	KD1405	KD100	KC5410	KC5410
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KD1405	KD100	KC5410	KC5410	KD1405	KD100	KC5410	KC5410
glatter Schnitt, vorbearbeitete Oberfläche		KD1405	KD100	KC5410	KC5410	KD1405	KD100	KC5410	KC5410

3. Schritt – Wahl der Schnittgeschwindigkeit

Aluminiumlegierungen mit geringem Siliziumgehalt (hypoeutektisch < 12,2 % Si) und Magnesiumlegierungen

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm)										Ausgangswerte ◁▷	
		250 (800)	500 (1600)	750 (2400)	1000 (3200)	1250 (4000)	1500 (4800)	1750 (5600)	2000 (6400)	2250 (7200)	2500 (8000)	m/min	sfm
N 1	KC5410		◁▷									550	1800
	KD100			◁▷								765	2500

Aluminiumlegierungen mit hohem Siliziumgehalt (hypereutektisch > 12,2 % Si) und Magnesiumlegierungen

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm)				Ausgangswerte ◁▷	
		250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	sfm
N 2	KD100		◁▷			520	1700
	KD1405			◁▷		520	2000

◁▷ Stellt die empfohlenen Ausgangswerte dar. Für den jeweiligen Einsatz optimieren.

Siehe KENNA PERFECT Werkstoffgruppen-Auswahlhilfe auf Seite E54.

Zusätzliche Empfehlungen für die Schnittgeschwindigkeit bei sonstigen Werkstoffen

Kupfer, Messing, Zink

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 250 (800)	500 (1600)	750 (2400)	1000 (3200)	Ausgangswerte m/min	sfm
N 3	KD100/KD1405		◁▷			520	1700
	KC5010	◁▷				275	900
	K313	◁▷				260	850

Nylon, Kunststoffe, Gummi, Phenole und Harze

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 250 (800)	500 (1600)	750 (2400)	1000 (3200)	Ausgangswerte m/min	sfm
N 4	KD100/KD1405		◁▷			400	1300
	KC5010	◁▷				170	550

Kohlefaser- und Graphit-Verbundwerkstoffe: Brush-Legierungen, Kevlar, Graphit 280-400 HB (30-43 HRC)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 250 (800)	500 (1600)	750 (2400)	1000 (3200)	Ausgangswerte m/min	sfm
N 5	KD100/KD1405			◁▷		760	2500
	KC5010	◁▷				200	650

MMCs (Metall-Matrix-Verbundwerkstoffe auf Aluminiumbasis)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 250 (800)	500 (1600)	750 (2400)	1000 (3200)	Ausgangswerte m/min	sfm
N 6	KD1405		◁▷			460	1500
	KD100		◁▷			365	1200

TiN-Legierungen, Guss: ASTM 823, Legierungen 1, 2, 3, 11

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 250 (800)	500 (1600)	750 (2400)	1000 (3200)	Ausgangswerte m/min	sfm
N 7	KC5010	◁▷				215	700
	K313	◁▷				180	600

abgereichertes Uran

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 250 (800)	500 (1600)	750 (2400)	1000 (3200)	Ausgangswerte m/min	sfm
N 8	KC5010	◁▷				215	700
	K313	◁▷				180	600

◁▷ Stellt die empfohlenen Ausgangswerte dar. Für den jeweiligen Einsatz optimieren.

Siehe KENNA PERFECT Werkstoffgruppen-Auswahlhilfe auf Seite E54.

KENNA PERFECT – Schwer zerspanbare Werkstoffe

Legierungen auf Eisen-, Kobalt-, Nickel- und Titan-Basis

1. Schritt – Wahl der Spanformstufe

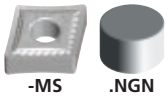
Negative Wendeschneidplatten

▼ Schruppen



-RP

▼▼ Mittlere Bearbeitung

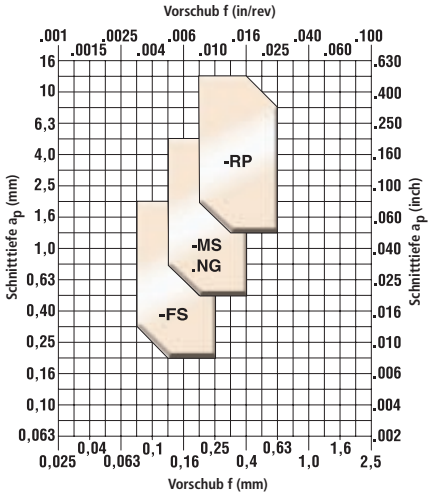


-MS .NGN

▼▼▼ Schlichten



-FS



Positive Wendeschneidplatten

▼▼ Mittlere Bearbeitung



MT-LF R.GX-T

▼▼▼ Schlichten

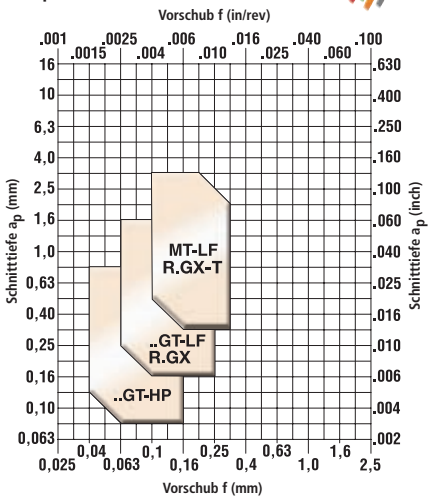


..GT-LF R.GX

▼▼▼▼ Feinschlichten



..GT-HP



2. Schritt – Wahl des Schneidstoffes

		Negative Wendeschneidplatten				Positive Wendeschneidplatten				
Schnittbedingung		**-FS** ▼▼▼	**.NGN** ▼▼	**-MS** ▼▼	**-RP** ▼	**..GT-HP** ▼▼▼▼	**R.GX** ▼▼▼	**..GT-LF** ▼▼▼	**R.GX-T** ▼▼	**MT-LF** ▼▼
stark unterbrochener Schnitt		KC5525	KY4300	KC5525	KC9245	–	–	KC5025	–	KC5025
leicht unterbrochener Schnitt		KC5510	KY4300	KC5525	KC5525	KC5025	KY4300	KC5025	KY4300	KC5025
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KC5510	KY1540/ KY1525*	KC5510	KC5525	KC5010	KY4300 KY1540	KC5010	KY4300 KY1540	KC5010
glatter Schnitt, vorbearbeitete Oberfläche		KC5510/ K313	KY1525/* KY2100	KC5510/ K313	KC5510	KC5010/ K313	KY1525* KY2100	KC5010/ K313	KY1525* KY2100	KC5010

*Schneidstoff KY1525 verfügbar ab Frühjahr 2005

3. Schritt – Wahl der Schnittgeschwindigkeit

Warmfeste Eisenbasislegierungen (135-320 HB) (≤34 HRC)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 15 (50) 45 (150) 75 (250) 105 (350) 140 (450) 170 (550) 200 (650) 230 (750) 260 (850) 290 (950) 350 (1050) 350 (1150) 380 (1250)	Ausgangswerte m/min	sfm
S 1	K313		30	100
	KC5510/KC5010		55	180
	KC5525/KC5025		40	125
	KC9245		30	100
	KY4300		150	500
	KY1525*		200	650
	KY1540		170	550
	KY2100		185	600

Warmfeste Kobaltbasislegierungen (150-425 HB) (≤45 HRC)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 15 (50) 45 (150) 75 (250) 105 (350) 140 (450) 170 (550) 200 (650) 230 (750) 260 (850) 290 (950) 350 (1050) 350 (1150) 380 (1250)	Ausgangswerte m/min	sfm
S 2	K313		35	110
	KC5510/KC5010		60	195
	KC5525/KC5025		30	100
	KC9245		35	110
	KY4300		160	525
	KY1525*		220	720
	KY1540		185	600
	KY2100		200	650

Warmfeste Nickelbasislegierungen (140-475 HB) (≤48 HRC)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 15 (50) 45 (150) 75 (250) 105 (350) 140 (450) 170 (550) 200 (650) 230 (750) 260 (850) 290 (950) 350 (1050) 350 (1150) 380 (1250)	Ausgangswerte m/min	sfm
S 3	K313		40	125
	KC5510/KC5010		70	225
	KC5525/KC5025		40	125
	KC9245		40	125
	KY4300		200	650
	KY1525*		250	820
	KY1540		215	700
	KY2100		230	750

Titan und Titanlegierungen (110-450 HB) (≤48 HRC)

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 15 (50) 45 (150) 75 (250) 105 (350) 140 (450) 170 (550) 200 (650) 230 (750) 260 (850) 290 (950) 350 (1050) 350 (1150) 380 (1250)	Ausgangswerte m/min	sfm
S 4	K313		45	150
	KC5510/KC5010		70	225
	KC5525/KC5025		55	175

◁▷ Stellt die empfohlenen Ausgangswerte dar. Für den jeweiligen Einsatz optimieren.

*Schneidstoff KY1525 verfügbar ab Frühjahr 2005

Siehe KENNA PERFECT Werkstoffgruppen-Auswahlhilfe auf Seite E54.

KENNA PERFECT – Harte Werkstoffe

Gehärtete Stähle und Eisen 450-750 HB (48-65 HRC)

1. Schritt – Wahl der Spanformstufe

Negative Wiper-Wendeschneidplatten

Mittlere Bearbeitung



-S-20MWMT (mehrschneidig)

Schlichten



-EFWMT (mehrschneidig)

Schlichten

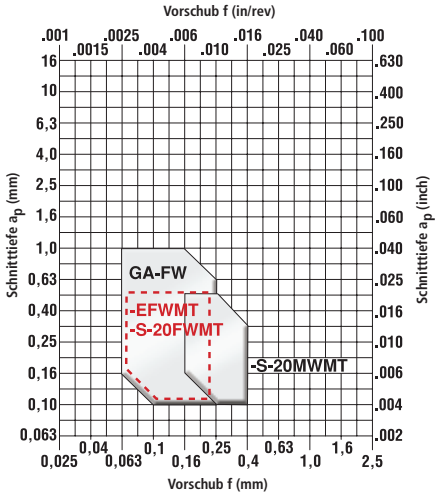


-S-20FWMT (mehrschneidig)

Schlichten



GA-FW



Positive Wiper-Wendeschneidplatten

Schlichten

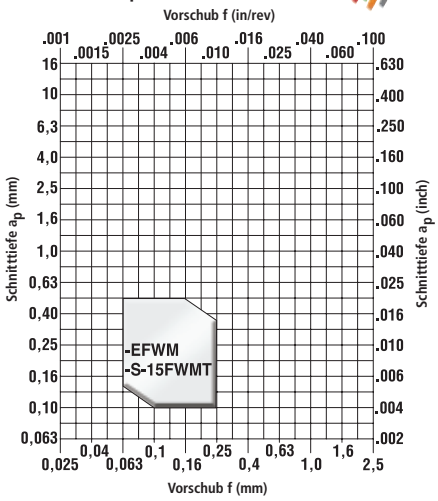


-EFWM

Feinschlichten



-S-15FWMT (mehrschneidig)



2. Schritt – Wahl des Schneidstoffes

Schnittbedingung		Negative Wendeschneidplatten GA-FW	-S-20FWMT	-EFWMT	-S-20MWMT	Positive Wendeschneidplatten -S-15FWMT	-EFWM
stark unterbrochener Schnitt		–	–	KB5625	–	–	–
leicht unterbrochener Schnitt		–	KB9610	KB5625	KB9610	KB9610	KB5625
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KY4400	KB9610	KB9610	KB9610	KB9610	KB5625
glatter Schnitt, vorbearbeitete Oberfläche		KY4400	KB9610	KB9610	KB9610	KB9610	KB5625

1. Schritt – Wahl der Spanformstufe

Negative Wendeschneidplatten

▼▼ Mittlere Bearbeitung



-S-20

▼▼▼ Schlichten



-S-25MT (mehrschneidig)

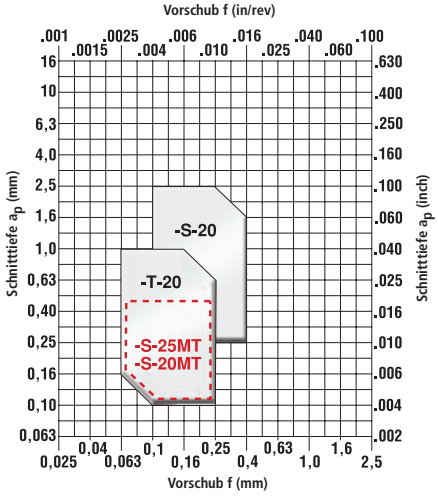
▼▼▼▼ Feinschlichten



-T-20



-S-20MT (mehrschneidig)



Positive Wendeschneidplatten

▼▼ Mittlere Bearbeitung



-T-15

▼▼▼ Schlichten



-S-15M

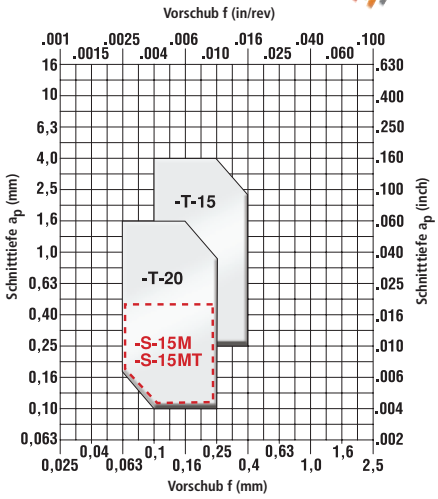
▼▼▼▼ Feinschlichten



-T-20



-S-15MT (mehrschneidig)



2. Schritt – Wahl des Schneidstoffes

Schnittbedingung		Negative Wendeschneidplatten S-20MT ▼▼▼▼	-T-20 ▼▼▼▼	-S-25MT ▼▼▼	-S-20 ▼▼	Positive Wendeschneidplatten -S-15MT ▼▼▼▼	-T-20 ▼▼▼▼	-S-15M ▼▼▼	-T-15 ▼▼
stark unterbrochener Schnitt		–	–	KB5625	KB9640	–	–	KB5625	–
leicht unterbrochener Schnitt		KB9610	–	KB5625	KB9640	KB9610	KY4400	KB5625	KY1615
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KB9610	KY4400	KB5625	KY1615	KB9610	KY4400	KB5625	KY1615
glatter Schnitt, vorbearbeitete Oberfläche		KB9610	KY4400	KB5625	KY1615	KB9610	KY4400	KB5625	KY1615

3. Schritt – Wahl der Schnittgeschwindigkeit

KENNA PERFECT Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 15 (50) / 45 (150) / 75 (250) / 110 (350) / 140 (450) / 170 (550) / 200 (650) / 230 (750) / 260 (850)	Ausgangswerte ◁▷ m/min	sfm
H 1	KY4400	◁▷	135	450
	KY1615	◁▷	100	325
	KB9610	◁▷	170	550
	KB5625	◁▷	120	400
	KB9640	◁▷	105	350

◁▷ Stellt die empfohlenen Ausgangswerte dar. Für den jeweiligen Einsatz optimieren.

Siehe KENNA PERFECT Werkstoffgruppen-Auswahlhilfe auf Seite E54.

Positive Wiper-Wendeschneidplatten – Anwendungstechnik

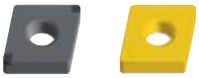
Oberflächengüte Wendeschneidplatten aus Hartmetall und Keramik



Theoretische Oberflächengüte – R_a
(µ mm)

Inkreis D (mm)	Vorschub f – mm/U (ipr)										
FW, MW, & RW	0,2 (.008)	0,3 (.012)	0,4 (.016)	0,5 (.020)	0,6 (.024)	0,7 (.028)	0,8 (.032)	0,9 (.036)	1 (.040)	1,1 (.044)	1,2 (.048)
9,53 mm (3/8")	0,3 (14)	0,75 (30)	1,3 (50)	2 (80)	—	—	—	—	—	—	—
12,7 mm (1/2")	—	0,6 (23)	1 (41)	1,6 (63)	2,2 (91)	3 (120)	4 (160)	5 (200)	6,2 (250)	—	—
19,05 mm + 25,4 mm (3/4") (1")	—	—	—	—	(2,6) 103	(3,5) 141	(4,6) 184	(5,8) 232	(7,2) 287	(8,7) 347	(10,3) 413

Voll-CBN und CBN-bestückte Platten

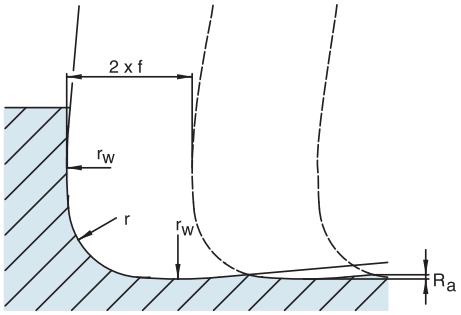


Theoretische Oberflächengüte – R_a
(µ mm)

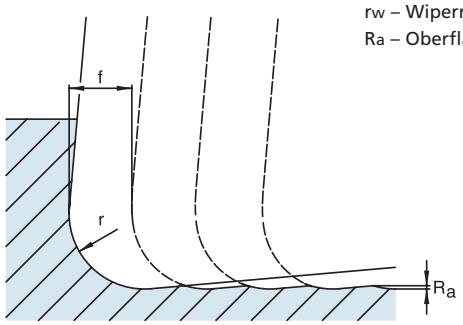
Inkreis D (mm)	Vorschub f – mm/U (ipr)				
Inkreis D	0,1 (.004)	0,15 (.006)	0,2 (.008)	0,3 (.012)	0,4 (.016)
FW 12,7 mm (1/2")	0,06 (3)	0,14 (6)	0,26 (10)	0,6 (23)	1,0 (41)
MW 12,7 mm (1/2")	0,05 (2)	0,11 (4)	0,19 (7)	0,42 (17)	0,75 (29)

Funktionsprinzip

Wiper-Wendeschneidplatte



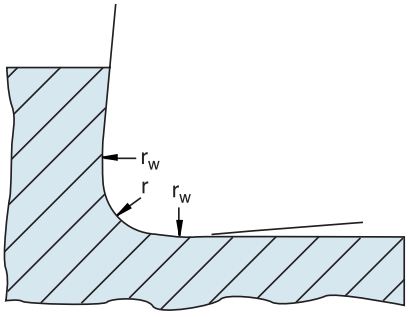
Standard-Wendeschneidplatte



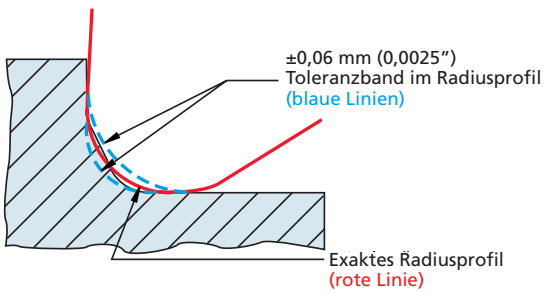
LEGENDE
f – Vorschub
r – Eckenradius
r_w – Wiperradius
R_a – Oberflächengüte

Konfiguration Eckenradius

CNMG- und WNMG-Wiper-Wendeschneidplatten erzeugen wie Standard-Wendeschneidplatten einen tatsächlichen Radius.

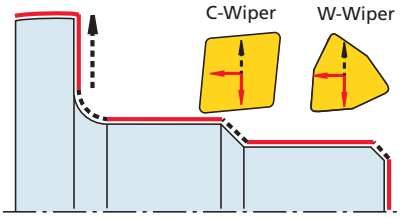


DNMG- und TNMG-Wiper-Wendeschneidplatten erzeugen keinen exakten Radius beim Drehen gegen eine Schulter. Das Radiusprofil bewegt sich in einem Toleranzband von ±0,06 mm (0,0025"). (blaue Linien)

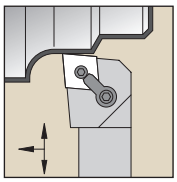


C- und W-Wendeschneidplatten

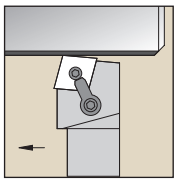
Oberfläche mit Wipereffekt
Oberfläche mit Standard-Schneidkante



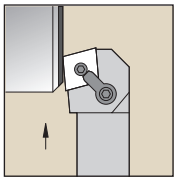
Klemmhalter



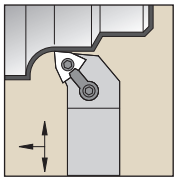
CN..80° Wendeschneidplatte
für DCLN, PCLN, MCLN, CCLN
95° Klemmhalter



CN..100° Wendeschneidplatte
für DCRN, PCRN, MCRN,
75° Klemmhalter



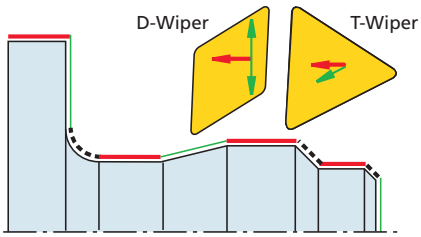
CN..100° Wendeschneidplatte
für DCKN, PCKN, MCKN,
75° Klemmhalter



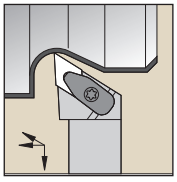
WN..80° Wendeschneidplatte
für DWLN, PWLN, MWLN,
CWLN 95° Klemmhalter

D- und T-Wendeschneidplatten

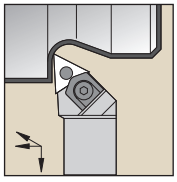
Oberflächengüte mit Wipereffekt
Oberfläche mit effektivem Schneideneckenradius
an der Schneidplatte
Oberflächengüte mit Radius 0,41 mm (0,016")



Klemmhalter



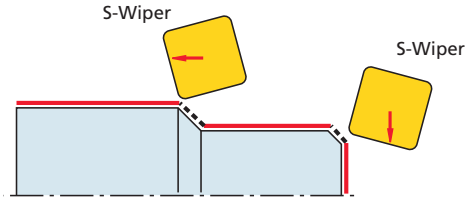
DN..55° Wendeschneidplatte
für DDJN, PDJN, MDJN
93° Klemmhalter



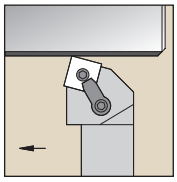
TN..60° Wendeschneidplatte
für DTJN, MTJN 93°
Klemmhalter

S-Wendeschneidplatten

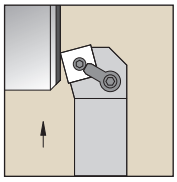
Oberfläche mit Wipereffekt
Oberfläche mit Standard-Schneidkante



Klemmhalter



SN..90° Wendeschneidplatte
für DSBN, DSRN, PSBN, PSDN, CSRN
75° Klemmhalter



SN..90° Wendeschneidplatte
für DSKN, PSKN, MSKN, CSKN
75° Klemmhalter

HINWEIS: Die oben aufgeführten Klemmhalter-Richtlinien gelten auch für Wiper-Wendeschneidplatten aus Keramik/PCBN mit ähnlichen Grundformen, d. h.: CNGA, CNGX, DNGA usw.

Positive Wiper-Wendeschneidplatten – Anwendungstechnik

Oberflächengüte Wendeschneidplatten aus Hartmetall und Keramik



Theoretische Oberflächengüte – R_a
µ mm (µ in.)

Inkreis D (mm)	Vorschub f – mm/U (ipr)									
FW, MW	0,05 (.002)	0,10 (.004)	0,15 (.006)	0,20 (.008)	0,25 (.010)	0,30 (.012)	0,35 (.014)	0,40 (.016)	0,45 (.018)	0,50 (.020)
6,35 mm (1/4")	0,03 (1)	0,15 (6)	0,35 (14)	0,55 (22)	0,90 (35)	1,25 (49)	—	—	—	—
9,53 mm (3/8")	0,02 (1)	0,10 (4)	0,20 (8)	0,35 (14)	0,55 (22)	0,75 (30)	1,00 (39)	—	—	—
12,7 mm (1/2")	0,02 (1)	0,06 (2)	0,15 (6)	0,25 (10)	0,40 (16)	0,60 (24)	0,80 (31)	1,00 (39)	1,30 (51)	1,60 (63)

CBN-bestückte Wendeschneidplatten

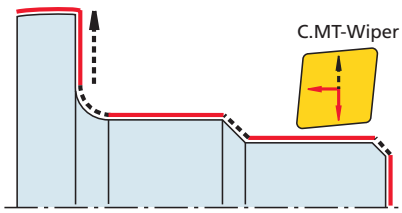


Theoretische Oberflächengüte – R_a
µ mm (µ in.)

Inkreis D (mm)	Vorschub f – mm/U (ipr)			
	0,10 (.004)	0,15 (.006)	0,20 (.008)	0,30 (.012)
FW 6,35 mm (1/4")	0,14 (6)	0,32 (13)	0,58 (22)	—
MW 9,53 mm (3/8")	0,11 (4)	0,24 (9)	0,43 (17)	0,97 (38)

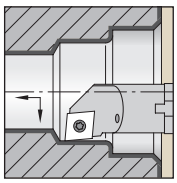
CCMT- und CPMT-Wendeschneidplatten

Oberfläche mit Wipereffekt
Oberfläche mit effektivem Schneideneckenradius an der Schneidplatte

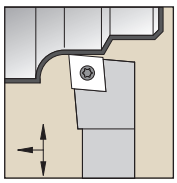


SCREW-ON Klemmhalter und Bohrstangen

SCL.

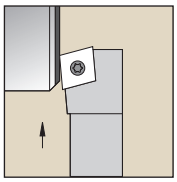


SCL.

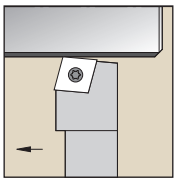


C.MT 80° Wendeschneidplatte für 95° SCL. Klemmhalter oder Bohrstangen

SCK.



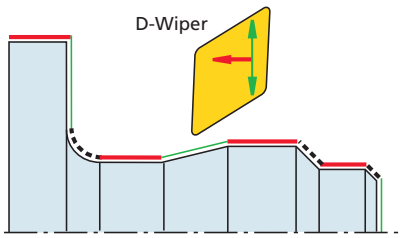
SCR.



C.MT 100° Wendeschneidplatte für 75° SCK. Klemmhalter

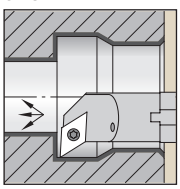
DCMT- und DPMT-Wendeschneidplatten

Oberflächengüte mit Wipereffekt
Oberfläche mit effektivem Schneideneckenradius an der Schneidplatte
Oberflächengüte mit Radius 0,4 mm (0,016")

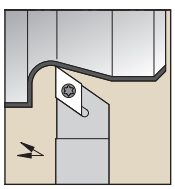


SCREW-ON Klemmhalter und Bohrstangen

SDU.



SDJ.



D.MT 55° Wendeschneidplatte für 93° SDU und SDJ Klemmhalter und Bohrstangen

Engineering Your Competitive Edge®

Wiper-Technologie - beste Oberflächen beim Drehen!

WIPER technology



Konventionelle Dreh-Wendeschneidplatte

Schnitttiefe	1,25 mm (0.050")
Vorschub	**0,3 mm (0.012 ipr)**
Schnittgeschwindigkeit	335 m/min (1,100 sfm)
Oberflächengüte	**Ra 4,0 µm (160 R_a µin.)**

Kennametal Wiper-Wendeschneid-platte-MW

Schnitttiefe	1,25 mm (0.050")
Vorschub	**0,5 mm (0.020 ipr)**
Schnittgeschwindigkeit	335 m/min (1,100 sfm)
Oberflächengüte	**Ra 1,6 µm (60 R_a µin.)**

Engineering Your Competitive Edge®

Das einzigartige Programm ...

KENNA UNIVERSAL

Programm-Umfang

- **KENLOC** Wendeschneidplatten
- **SCREW-ON** Wendeschneidplatten
- **TOP NOTCH** Einstechplatten mit Spanstufen
- **LT** Gewindeschneidplatten mit Spanstufen
- **A4** Stech-Drehplatten mit Spanstufen
- **A2** Abstechplatten mit Spanstufen

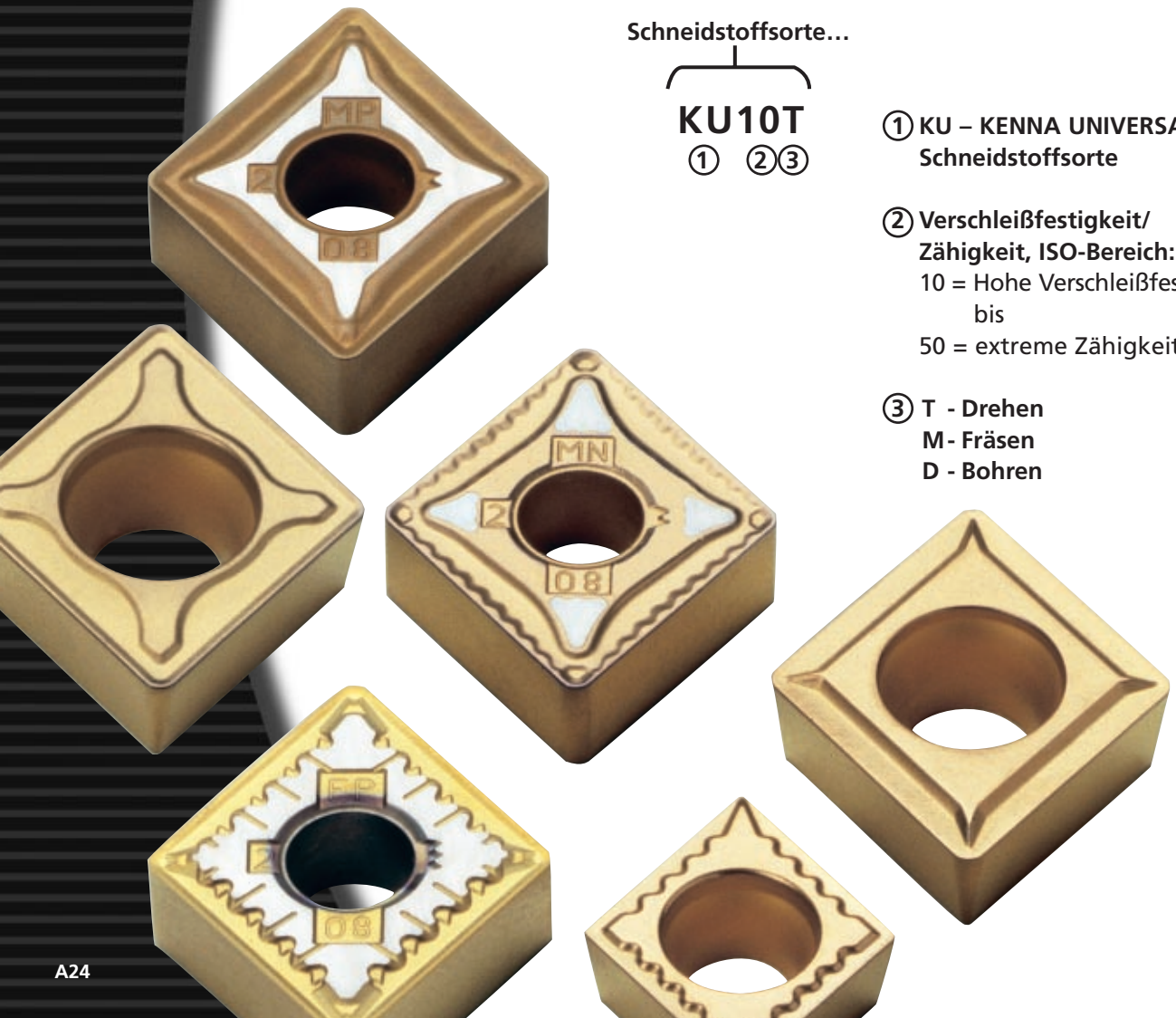
Schneidstoffsorte...

KU10T
① ②③

① **KU – KENNA UNIVERSAL Schneidstoffsorte**

② **Verschleißfestigkeit/ Zähigkeit, ISO-Bereich:**
10 = Hohe Verschleißfestigkeit
bis
50 = extreme Zähigkeit

③ **T - Drehen**
M - Fräsen
D - Bohren



... speziell entwickelt für einen breiten Anwendungsbereich!

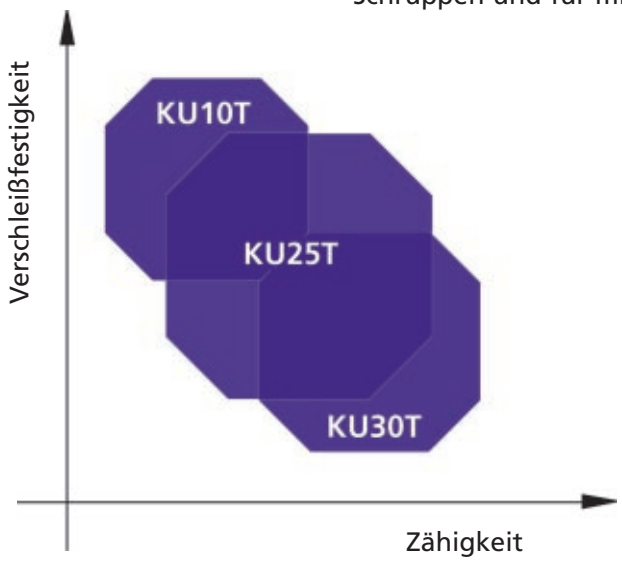
KENNA UNIVERSAL

Universal-Dreh-Schneidstoffe

KU10T – PVD beschichtete Schneidstoffsorte zum Schlichten und für die mittlere Bearbeitung

KU25T – zähe, PVD beschichtete Schneidstoffsorte zum Schlichten und für die mittlere Bearbeitung beim Gewinden und Abstechen

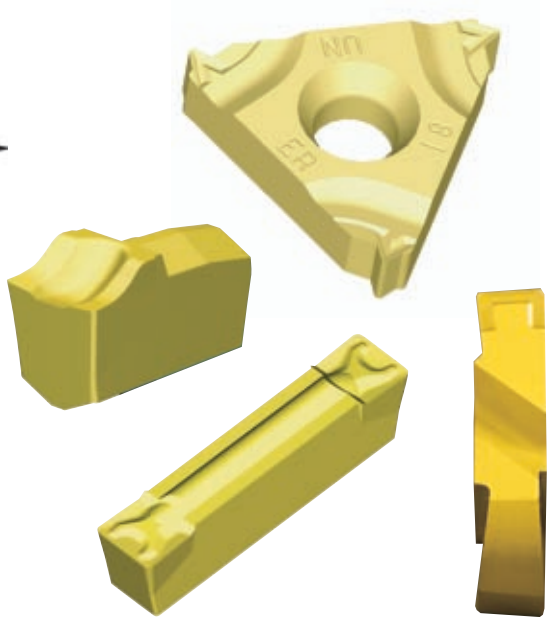
KU30T – CVD beschichtete Schneidstoffsorte zum Schruppen und für mittlere Bearbeitung



Bearbeitung von:

UNIVERSAL

P	Stahl
M	nichtrostender Stahl
K	Gusseisen
N	NE-Metalle
S	Schwer zerspanbare Werkstoffe
H	Harte Werkstoffe



KENNA UNIVERSAL

Spanstufen für Stahl, nicht rostenden Stahl, Gusseisen, NE-Metalle, schwer zerspanbare Werkstoffe und harte Werkstoffe

1. Schritt – Wahl der Spanformstufe

Negative Wendeschneidplatten

▼ Schruppen



-RN -RP

▼▼ Mittlere Bearbeitung

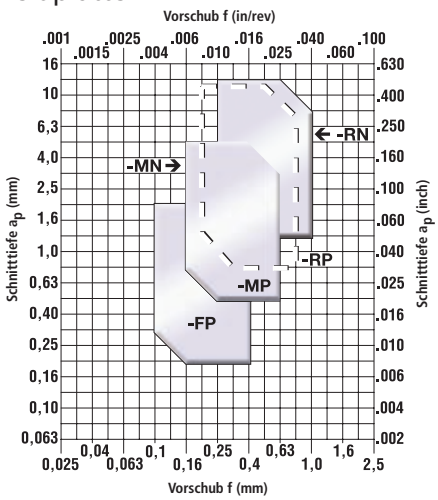


-MN -MP

▼▼▼ Schlichten



-FP



Positive Wendeschneidplatten

▼▼ Mittlere Bearbeitung



-MF

▼▼▼ Schlichten

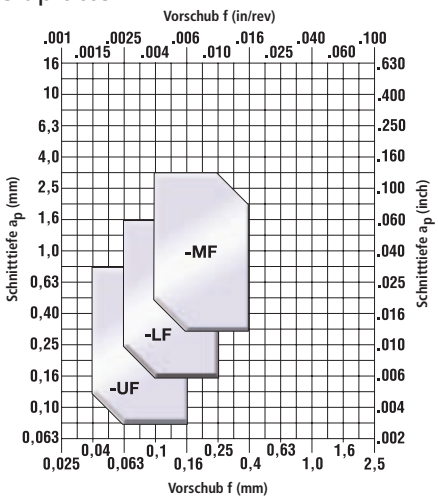


-LF

▼▼▼▼ Feinschlichten



-UF



2. Schritt – Wahl des Schneidstoffes

		Negative Wendeschneidplatten					Positive Wendeschneidplatten		
Schnittbedingung		**-FP ▼▼▼**	**-MP ▼▼**	**-MN ▼▼**	**-RN ▼**	**-RP ▼**	**-UF ▼▼▼▼**	**-LF ▼▼▼**	**-MF ▼▼**
stark unterbrochener Schnitt		–	KU30T	KU30T	KU30T	KU30T	–	KU30T	KU30T
leicht unterbrochener Schnitt		KU10T	KU30T	KU30T	KU30T	KU30T	KU10T	KU30T	KU30T
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KU10T	KU10T	KU30T	KU30T	KU30T	KU10T	KU10T	KU30T
glatter Schnitt, vorbearbeitete Oberfläche		KU10T	KU10T	KU30T	KU30T	KU30T	KU10T	KU10T	KU30T

3. Schritt – Wahl der Schnittgeschwindigkeit

Unlegierte und legierte Stähle, ferritische, martensitische und nicht rostende PH-Stähle

Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 50 (170)	100 (330)	150 (490)	200 (655)	250 (820)	300 (980)	350 (1150)	Ausgangswerte m/min	sfm
P	KU10T				◁▷				200	650
	KU30T			◁▷					150	500

Austenitische und nicht rostende Stähle

Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 50 (170)	100 (330)	150 (490)	200 (655)	250 (820)	300 (980)	350 (1150)	Ausgangswerte m/min	sfm
M	KU10T				◁▷				180	600
	KU30T			◁▷					140	450

Grauguss und Sphäroguss

Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 50 (170)	100 (330)	150 (490)	200 (655)	250 (820)	300 (980)	350 (1150)	Ausgangswerte m/min	sfm
K	KU10T				◁▷				240	800
	KU30T				◁▷				200	650

NE-Metalle: Aluminiumlegierungen mit geringem Siliziumgehalt (< 12 %) und Magnesiumlegierungen

Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 240 (800)	360 (1200)	490 (1600)	610 (2000)	730 (2400)	855 (2800)	975 (3200)	Ausgangswerte m/min	sfm
N	KU10T			◁▷					460	1500

Schwer zerspanbare Werkstoffe

Werkstoff-gruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 50 (170)	100 (330)	150 (490)	200 (655)	250 (820)	300 (980)	350 (1150)	Ausgangswerte m/min	sfm
S	KU10T		◁▷						65	220
	KU30T	◁▷							45	150

Harte Werkstoffe (>48 HRC)

Werkstoffgruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 50 (170)	100 (330)	150 (490)	200 (655)	250 (820)	300 (980)	350 (1150)	Ausgangswerte m/min	sfm
H	KU10T	◁▷							60	200

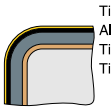
◁▷ Stellt die empfohlenen Ausgangswerte dar. Für den jeweiligen Einsatz optimieren.

Siehe KENNA PERFECT Werkstoffgruppen-Auswahlhilfe auf Seite E54.

Kennametal Schneidstoffübersicht

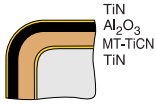
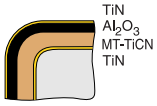
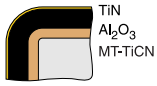
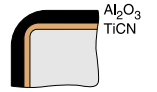
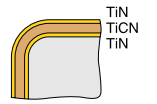
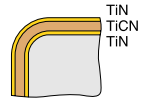
Schneidstoff-Auswahltabelle

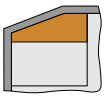
Typ	Schneidstoff	Schichtaufbau	Zusammensetzung und Einsatzempfehlung	Normbezeichnung	Anwendungsbereich: Verschleißfestigkeit ↔ Zähigkeit (05 10 15 20 25 30 35 40 45)
Unbeschichtete Hartmetallsorten	**K313**	C3 – C4	**Zusammensetzung:** Eine harte, feinkörnige Sorte aus unlegiertem WC/Co mit geringem Bindergehalt. **Einsatz:** Außergewöhnliche Schneidkanten-Verschleißfestigkeit in Verbindung mit sehr hoher Zähigkeit für die Bearbeitung von Titan, Gusseisen, austenitischen nicht rostenden Stählen, NE-Metallen, Nichtmetallen und den meisten schwer zerspanbaren Werkstoffen. Ausgezeichnete Festigkeit gegen plastische Deformation und Einkerbungen an der Schnitttiefe. Die kontrollierte Körnungsstruktur sorgt für eine lange, verlässliche Leistung.	P M K N S H	
	K68	C3	**Zusammensetzung:** Hartes, feinkörniges, unlegiertes WC/Co mit geringem Bindergehalt. **Einsatz:** Die Sorte K68 verfügt über eine ausgezeichnete Verschleißfestigkeit für die Bearbeitung von Gusseisen, austenitischen nicht rostenden Stählen, NE-Metallen, Nichtmetallen und ist bei den meisten schwer zerspanbaren Werkstoffen als Alternative zu Sorte K313 einsetzbar. Als Universal-Sorte für NE-Werkstoffe zu verwenden.	P M K N S H	
PVD-beschichtete Hartmetallsorten	**KC5010** NEU! verbessert	TiAlN C3, C4	**Zusammensetzung:** Eine verbesserte PVD-TiAlN-Beschichtung auf einem unlegierten Hartmetallsubstrat mit hervorragender Widerstandsfähigkeit gegen plastische Deformation. Die neue und verbesserte Beschichtung von KC5010 ermöglicht eine Erhöhung der Schnittgeschwindigkeit im Bereich von 50 bis 100 %. **Einsatz:** KC5010 eignet sich ideal für das Schlichten und die allgemeine Bearbeitung der meisten Werkstoffe bei höheren Geschwindigkeiten. Ausgezeichnet für die Bearbeitung der meisten Stähle, nicht rostenden Stähle, Gusseisen, NE-Werkstoffe und schwer zerspanbaren Werkstoffe bei stabilen Bedingungen geeignet. Erzielt auch bei der Bearbeitung von gehärteten und kurzspanenden Werkstoffen gute Ergebnisse.	P M K N S H	
	KC5025 NEU! verbessert	TiAlN C2, C6	**Zusammensetzung:** Eine verbesserte PVD-TiAlN-beschichtete Sorte mit einem zähen, extra feinkörnigen, unlegierten Substrat. **Einsatz:** Für die universelle Bearbeitung der meisten Stähle, nicht rostenden Stähle, schwer zerspanbaren Werkstoffe, Titan, Eisen und NE-Werkstoffe. Für niedrige bis mittlere Geschwindigkeiten sowie Schnittunterbrechungen und hohe Vorschubwerte.	P M K N S H	
	KC5410	TiB_2 C3 – C4	**Zusammensetzung:** Eine PVD-TiB2-Beschichtung auf einem unlegierten Substrat mit hervorragender Widerstandsfähigkeit gegen plastische Deformation. **Einsatz:** Die Sorte KC5410 ist für das Schruppen, Vorschlichten und Schlichten von leicht zerspanbarem Aluminium (untereutektisch < 12,2 % Si), Aluminiumlegierungen und Magnesiumlegierungen vorgesehen. Die TiB2-Beschichtung ist härter als die TiN- und TiAlN-Beschichtungen und hat eine außergewöhnlich glatte Oberfläche, was eine geringe Oberflächenreibung, schnellen Spanfluss und ausgezeichnete Verschleißfestigkeit zur Folge hat. Darüber hinaus wird die Aufbauschneidenbildung verhindert, da diese Beschichtung eine äußerst geringe Affinität zu Aluminium aufweist. Das Substrat ist unlegiert und feinkörnig und verfügt über scharfe Kanten, glatte Oberflächen sowie ausgezeichnete thermische Festigkeit und Kantenstabilität. Umfanggeschliffene Wendeschneidplatten werden vor der Beschichtung poliert und verfügen über eine scharfe Schneidkante. Am Umfang abgepresste Wendeschneidplatten haben eine geringe Kantenverrundung.	P M K N S H	
	KC5510 NEU!	TiAlN C3 – C4	**Zusammensetzung**: Eine verbesserte PVD-TiAlN-beschichtete, feinkörnige Hartmetallsorte. **Einsatz**: KC5510 wurde speziell für die produktive Bearbeitung von schwer zerspanbaren Werkstoffen entwickelt. Das feinkörnige Hartmetallsubstrat mit einem Kobaltgehalt von 6 % verfügt über eine ausgezeichnete Zähigkeit und Verformungsbeständigkeit, während die verbesserte PVD-Beschichtung die doppelte Schnittgeschwindigkeit im Vergleich zu gewöhnlichen PVD-beschichteten Schneidwerkzeugen eingesetzt werden kann.	P M K N S H	
	KC5525 NEU!	TiAlN C2 – C6	**Zusammensetzung:** Verbesserte PVD-TiAlN-beschichtete, feinkörnige Hartmetallsorte mit hohem Kobaltgehalt. **Einsatz:** KC5525 verfügt über dieselbe verbesserte PVD-Beschichtung wie KC5510 in Verbindung mit einem Hartmetallsubstrat mit 10 % Kobaltgehalt. Der höhere Kobaltgehalt sorgt für eine optimierte Prozeßsicherheit bei Schnittunterbrechungen, während das feinkörnige WC einen ausgezeichnete Widerstandsfähigkeit gegen plastische Deformation bei höheren Geschwindigkeit gewährleistet. Vorgesehen für mittlere bis starke Unterbrechungen bei schwer zerspanbaren Werkstoffen.	P M K N S H	
	KU10T NEU!	TiN TiAlN C3, C4	**Zusammensetzung:** Eine verbesserte PVD-Beschichtung auf einem Hartmetallsubstrat mit hervorragender Widerstandsfähigkeit gegen plastische Deformation. **Einsatz:** KU10T ist eine ideale Sorte für die allgemeine Bearbeitungen, angefangen von mittleren Bearbeitungsvorgängen bis hin zum Schlichten. KU10T ist ausgezeichnet für die Bearbeitung der meisten Stähle, nicht rostenden Stähle, Gusseisen, NE-Werkstoffe und schwer zerspanbaren Werkstoffe bei stabilen Bedingungen geeignet. KU10T lässt sich auch effektiv bei der Bearbeitung von gehärteten und kurzspanenden Werkstoffen einsetzen.	P M K N S H	

Typ	Schneidstoff	Schichtaufbau	Zusammensetzung und Einsatzempfehlung	Normbezeichnung	Anwendungsbereich: Verschleißfestigkeit ↔ Zähigkeit
		C-Klasse			05 10 15 20 25 30 35 40 45
PVD-beschichtete Hartmetallsorten	**KU25T** NEU!	 C2, C6	**Zusammensetzung:** Eine verbesserte PVD-Beschichtung auf einem zähen und extrem verschleißfesten Hartmetallsubstrat. **Einsatz:** KU25T eignet sich ideal für das Schlichten und die universale Bearbeitung der meisten Werkstoffe. Mit einem höheren Kobaltgehalt als KU10T verfügt diese Sorte über die nötige Zähigkeit, um den Ansprüchen beim Einstechen, Gewindeschneiden und Abstechen gerecht zu werden. KU25T ist ausgezeichnet für die Bearbeitung der meisten Stähle, nicht rostenden Stähle, Gusseisen, NE-Werkstoffe und schwer zerspanbaren Werkstoffe bei stabilen Bedingungen geeignet. KU25T lässt sich auch effektiv bei der Bearbeitung von gehärteten und kurzspanenden Werkstoffen einsetzen.	P M K N S H	
CVD-beschichtete Hartmetallsorten	**KC8050**	 C1 – C3, C5 – C7	**Zusammensetzung:** Eine neu entwickelte, verbesserte, kobaltangereicherte Hartmetallsorte mit einer dicken Aluminiumoxidbeschichtung. **Einsatz:** Universell bei einer Vielzahl von verschiedenen Werkstoffen (Stählen, nicht rostenden Stählen und Gusseisen) zum Schruppen bis hin zum Schlichten anwendbar. Diese extrem verschleißfeste Sorte kann bei hohen Geschwindigkeiten mit oder ohne Kühlschmierstoff eingesetzt werden und verfügt über eine außergewöhnliche Schneidkantenstabilität bei unterbrochenen Schnitten. Die mikropolierte Schneidkante reduziert die Aufbauschneidenbildung, verstärkt die Widerstandsfähigkeit gegen Abplatzungen und erzeugt zudem ausgezeichnete Oberflächengüten. Für die Bearbeitung von Stählen und Gusseisen sind die Spanstufen -RN und -MN Ihre erste Wahl. Für mittlere Bearbeitungsanwendungen und Schlichtschnitte werden die Spanstufen -MP und -FP mit positivem Spanwinkel empfohlen.	P M K N S H	
	KC9040	 C5 – C6	**Zusammensetzung:** Eine Aluminiumoxid beschichtete Sorte mit einem zähen, kobaltangereicherten Substrat. **Einsatz:** Für starkes Schruppen bei allen Arten von Stahl, nicht rostendem Stahl und den meisten anderen Werkstoffen, bei denen es auf eine stabile Werkzeugschneide ankommt. Ein speziell entwickelter Beschichtungsaufbau gewährleistet eine verlängerte Lebensdauer. Bevorzugt bei Schruppanwendungen einsetzbar.	P M K N S H	
	KC9110	 C3, C7	**Zusammensetzung**: Eine speziell entwickelte kobaltangereicherte Hartmetallsorte mit einer dicken K-MTCVD-TiCN-Beschichtung, einer Al_2O_3-Schicht mit kontrollierter Korngröße sowie äußeren Schichten aus TiCN und TiN für maximale Verschleißfestigkeit. **Einsatz**: Diese Sorte eignet sich ideal zum Schlichten bis hin zur mittleren Bearbeitung zahlreicher verschiedener Werkstoffe einschließlich der meisten Stähle, ferritischen und martensitischen nicht rostenden Stähle sowie Gusseisen. Ein speziell entwickeltes kobaltangereichertes Substrat sorgt für ein ausgewogenes Verhältnis von Widerstandsfähigkeit gegen plastische Deformation und Schneidkantenzähigkeit, während die Beschichtung eine ausgezeichnete Verschleißfestigkeit und Kolkverschleißfestigkeit für die Hochgeschwindigkeitsbearbeitung gewährleistet. Die glatte Beschichtung sorgt für eine gute Widerstandsfähigkeit gegen Aufbauschneidenbildung und Abplatzungen und erzeugt zudem ausgezeichnete Oberflächengüten. Bei gröberen Bearbeitungsvorgängen ist Sorte KC9125 zu verwenden.	P M K N S H	
	KC9125	 C2 – C3, C6 – C7	**Zusammensetzung:** Eine zähe, kobaltangereicherte Hartmetallsorte mit einer neu entwickelten Multilayer-Beschichtung aus K-MTCVD TiCN-Al_2O_3-TiCN-TiN mit ausgezeichneter Zwischenschicht-Haftung. **Einsatz:** Die beste universelle Drehsorte für die meisten Stähle sowie ferritische und martensitische nicht rostende Stähle. Der Substrataufbau mit Kobaltanreicherung gewährleistet einen angemessene Widerstand gegen plastische Deformation sowie eine ausgezeichnete Zähigkeit und Schneidkantenfestigkeit. Das Beschichtungssystem verfügt über eine gute Verschleißfestigkeit bei den verschiedensten Bearbeitungsbedingungen. Die polierte Beschichtung reduziert die Reibungswärme, minimiert Abplatzungen an der Schneidkante und verbessert die Oberflächengüte der Werkstücke. KC9125 eignet sich gut für mäßig starkes Schruppen bis hin zu Vorschlichtschnitten. Für Schlichtschnitte ist Sorte KC9110 zu verwenden.	P M K N S H	
	KC9140 NEU!	 C5 – C6	**Zusammensetzung:** Eine neu entwickelte zähe Hartmetallsorte mit fortschrittlichster Mehrlagenbeschichtungstechnologie TiN-MT-TiCN-Al_2O_3-TiN. **Einsatz :** Für schweres Schruppen von legiertem Stahl mit hervorragender Zähigkeit der Schneidkante. Die speziell entwickelte Beschichtung ermöglicht eine einzigartige Schichthaftung und eine lange Standzeit.	P M K N S H	
	KC9225	 C2 – C3	**Zusammensetzung**: Eine neu entwickelte kobaltangereicherte Hartmetallsorte mit K-MTCVD-Multilayer-Beschichtung. Patent angemeldet. **Einsatz:** KC9225 weist eine hohe Widerstandsfähigkeit gegen Einkerbungen an der Schnittiefe auf und unterdrückt die Gratbildung, wie sie häufig bei der Bearbeitung von austenitischen nicht rostenden Stählen vorkommt. Die kobalt angereicherte Randzone sorgt für eine optimale Kombination aus Zähigkeit und Verformungsbeständigkeit. Die polierte Schneide dieser neuen Sorte vermindert die Aufbauschneidenbildung und gewährleistet ausgezeichnete Oberflächengüten. KC9225-Wendeschneidplatten sind Ihre erste Wahl für die Bearbeitung von nicht rostenden Stählen.	P M K N S H	

Kennametal Schneidstoffübersicht

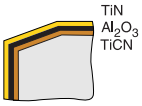
Schneidstoff-Auswahltabelle

Typ	Schneidstoff	Schichtaufbau	Zusammensetzung und Einsatzempfehlung	Normbezeichnung	Anwendungsbereich: Verschleißfestigkeit ↔ Zähigkeit
		C-Klasse			05 10 15 20 25 30 35 40 45
CVD-beschichtete Hartmetallsorten	**KC9240** NEU! verbessert	 C1 – C2	**Zusammensetzung:** Eine CVD-Multilayer-Beschichtung aus MT-TiCN und Al_2O_3 auf einem nicht kobalt angereicherten, zähen Substrat. **Einsatz:** Diese CVD-beschichtete Sorte ist für anspruchsvolle Anwendungenim mittleren Schnittgeschwindigkeitsbereich vorgesehen. KC9240-Wendeschneidplatten verfügen über eine außergewöhnliche Kombination aus Zähigkeit, Widerstandsfähigkeit gegen Aufbauschneidenbildung sowie Verschleißfestigkeit beim Einsatz auf nicht rostendem Stahl. Dank ihrer ausgezeichneten Beständigkeit gegenüber thermischen und mechanischen Wechselbelastungen eignen sich Wendeschneidplatten aus KC9240 ideal für selbst die anspruchsvollsten Anwendungen auf nicht rostendem Stahl.	P M K N S H	
	KC9245	 C1 – C2	**Zusammensetzung:** Eine K-MTCVD-Multilayer-Beschichtung auf einem extrem zähen Substrat. **Einsatz:** Diese K-MTCVD-beschichtete Hartmetallsorte wurde entwickelt, um den anspruchsvollsten Bearbeitungsanwendungen von nichtrostendem Stahl gerecht zu werden. Sein Substrat widersteht starken Schnittunterbrechungen, während seine polierte Oberfläche selbst bei niedrigen Schnittgeschwindigkeiten der Aufbauschneidenbildung entgegenwirkt. Darüber hinaus verfügt seine verschleißfeste Beschichtung über eine gute Widerstandsfähigkeit gegen Abplatzungen, die bei der Bearbeitung von austenitischem nicht rostenden Stahl häufig vorkommen. KC9245 ist auch in Schneidplattengrößen und Spanstufen erhältlich, die sich für hohe Vorschübe und große Schnitttiefen eignen.	P M K N S H	
	KC9315 NEU! verbessert	 C3 – C4	**Zusammensetzung**: Eine CVD-Multilayer-Beschichtung mit einer sehr dicken Schichten aus K-MTCVD Al_2O_3 TiCN für eine maximale Verschleißfestigkeit, ist auf ein Substrat aufgebracht, das speziell für die Zerspanung von Gusseisen und Sphäroguss entwickelt wurde. **Einsatz**: KC9315 erzielt hervorragende Standzeiten bei der Hochgeschwindigkeits-bearbeitung von Sphäroguss und Gusseisen. Die dicke K-MTCVD-TiCN-Beschichtung ermöglicht einen enormen Standzeitvorteil, insbesondere bei der Zerspanung von Sphäroguss und Gusseisen mit höherer Zugfestigkeit. Diese neue Sorte von Kennametal eignet sich ideal für die Zerspanung im glatten oder leicht unterbrochenen Schnitt. Darüber hinaus ist KC9315 die perfekte Wahl für hohe Produktivität.	P M K N S H	
	KC9325	 C2 – C3	**Zusammensetzung**: Eine mit TiCN und Aluminiumoxid beschichtete Sorte mit einem verschleißfesten, zuverlässigen Substrat. **Einsatz**: Die Sorte wurde für die Bearbeitung von einer Reihe von Sphäroguss und Grauguss-werkstoffen entwickelt. Beschichtung und Substrat wurden für eine maximale Flexibilität optimiert. Bei der Bearbeitung verschiedener Arten von Sphäroguss oder Gusseisen, wobei Sicherheit, Flexibilität und Verlässlichkeit bei den verschiedensten Bearbeitungsvorgängen von entscheidender Bedeutung sind, ist KC9325 die perfekte Wahl.	P M K N S H	
	KU30T NEU!	 C5 – C6	**Zusammensetzung**: Ein zähes, kobaltangereichertes Substrat mit CVD-Multilayer-Beschichtung. **Einsatz**: KU30T ist eine neue Sorte, die speziell für die universelle Zerspanung entwickelt wurde, bei der zahlreiche verschiedene Werkstoffe bearbeitet werden. Mit seinem zähen, kobaltangereicherten Substrat eignet sich KU30T ausgezeichnet für Bearbeitungsvorgänge vom Schruppen bis hin zum Schlichten. Das Auflageschleifen der Wendeschneidplatte ermöglicht eine hervorragende Planauflage. Das Polieren der Wendeschneidplatte verringert die Aufbauschneidenbildung und beugt Abplatzungen vor. Für die Bearbeitung von Stählen, Gusseisen und nicht rostenden Stählen sind die Spanstufen -RN, -MN und -RP Ihre erste Wahl. Für die mittlere Bearbeitung und das Schlichten werden die Spanstufen -MP und -FP mit positivem Spanwinkel empfohlen.	P M K N S H	
Cermet PVC-beschichtet	**KT315**	 C3, C7	**Zusammensetzung:** Eine Cermet-Drehsorte mit PVD-TiN/TiCN/TiN-Multilayer-Beschichtung. **Einsatz:** Ideal für das Hochgeschwindigkeitsschlichten und die mittlere Bearbeitung der meisten unlegierten und legierten Stähle sowie nicht rostenden Stähle. Auch sehr gut für Sphäroguss geeignet. Gewährleistet eine lange Werkzeuglebensdauer und erzeugt ausgezeichnete Oberflächengüten.	P M K N S H	
Keramik	**KY1310** NEU!	 –	**Zusammensetzung:** Eine verbesserte Sialon-Keramiksorte. **Einsatz:** KY1310 verfügt über eine maximale Verschleißfestigkeit. Zum Drehen von Grauguss im vorwiegend glatten Schnitt bei hohen Schnittgeschwindigkeiten.	P M K N S H	
	KY1525 NEU!	 C4	**Zusammensetzung:** Eine hochinovative Silizium Karbid Whisker verstärkte AlON Keramik. **Einsatz :** Hervorragende Kombination von Verschleißfestigkeit, Schneidkantenstabilität, Zähigkeit und Thermoschockbeständigkeit für die Bearbeitung von schwerzerspanbaren Werkstoffen. KY1525 besitzt im Vergleich zu Whiskerkeramiken auf AI2=3-Basis eine hervorragende Widerstandsfähigkeit gegen Einkerbung an der Schnitttiefe.	P M K N S H	

Typ	Schneidstoff	Schichtaufbau	Zusammensetzung und Einsatzempfehlung	Normbezeichnung	Anwendungsbereich: Verschleißfestigkeit → Zähigkeit 05	10	15	20	25	30	35	40	45
		C-Klasse											
Keramik	**KY1540** NEU!	 C4	**Zusammensetzung:** KY1540 ist ein neuer, innovativer SiAlON-Schneidstoff. **Einsatz:** Verbindet ausgezeichnete Verschleißeigenschaften, Bruchzähigkeit und Temperaturwechselbeständigkeit für die allgemeine Bearbeitung bis hin zum Schlichten von schwer zerspanbaren Werkstoffen. Verfügt über außergewöhnliche Festigkeit gegen Einkerbungen an der Schnitttiefe im Vergleich zu Whiskerkeramiken.	P M K N S H									
	KY1615	 C4, C8	**Zusammensetzung:** Eine verbesserte Aluminiumoxid/TiC-Keramiksorte (schwarz). **Einsatz:** Ausgezeichnete Verbindung aus Zähigkeit und Verschleißfestigkeit; wird für die Bearbeitung von legierten Stählen, Werkzeugstählen und nicht rostenden Stählen bis 60 HRC (653 HB) verwendet. KY1615 wird außerdem beim Schlichtdrehen und Bohren von Gusseisen eingesetzt.	P M K N S H									
	KY2100	 C4	**Zusammensetzung:** Sialon-Keramik. **Einsatz:** Gute Beständigkeit gegenüber mechanischen Wechselbelastungen in Verbindung mit Schneidkanten-Verschleißfestigkeit; Der Einsatzbereich von KY2100 ist die allgemeine Bearbeitung von schwer zerspanbaren Werkstoffen.	P M K N S H									
	KY3400	 C3	**Zusammensetzung:** CVD-beschichtete Siliziumnitridsorte. **Einsatz:** Ausgezeichnete Verbindung aus Zähigkeit und Schneidkanten-Verschleißfestigkeit; verwendet bei der allgemeinen Bearbeitung von Grauguss und Sphäroguss.	P M K N S H									
	KY3500	 C2	**Zusammensetzung:** Siliziumnitridsorte. **Einsatz:** Maximale Zähigkeit; verwendet bei hohen Vorschubwerten für die Schruppbearbeitung von Grauguss, einschließlich Bearbeitung durch Unterbrechungen.	P M K N S H									
	KY4300	 C4	**Zusammensetzung**: Whiskerkeramik mit einer Matrix aus Al_2O_3 und eingebundenen SiC-Whiskern. **Einsatzempfehlung**: Die im Gefüge eingelagerte SiC-Whisker verleihen dieser Keramik hervorragende Zähigkeitseigenschaften für die Zerspanung von hochwarmfesten Legierungen und Gusswerkstoffen mit hohen Brinellhärten.	P M K N S H									
	KY4400	 C4, C8	**Zusammensetzung:** Eine PVD-TiN-Beschichtung auf einer Aluminiumoxid- und Titancarbonitrid-Keramik (Al_2O_3/TiCN). **Einsatz:** Verwendet für das Schlichtdrehen gehärteter Stähle (über 45 HRC). Falls möglich, bei trockenen Bedingungen in glatten oder variierenden Schnitttiefen verwenden. Kann auch beim Schlichtdrehen von Nickelbasislegierungen, Kobaltlegierungen und Pulvermetallen eingesetzt werden.	P M K N S H									
PCBN – Polykristallines kubisches Bornitrid	**KB5625**	 C4, C8	**Zusammensetzung:** PVD-TiAlN-beschichtetes kubisches Bornitrid mit keramischem Binder und mittlerem CBN-Gehalt. **Einsatz:** Entwickelt für das Schruppen bis hin zum Schlichten von gehärteten Stählen (> 45 HRC). Zu verwenden bei Warmarbeits- und Kaltarbeitsstählen, Schnellarbeitsstählen, Matrizenstählen, gehärteten Stählen, aufgekohlten und nitrierten Eisen sowie einigen harten Beschichtungen.	P M K N S H									
	KB9610 NEU!	 C4, C8	**Zusammensetzung:** Eine Sorte mit geringem PCBN-Gehalt und einer TiN/ Al_2O_3/TiCN-CVD-Beschichtung zum Schutz vor Kolkverschleiß. **Einsatz:** KB9610 wurde für den Einsatz bei der Präzisionsbearbeitung von gehärteten Stählen (> 48 HRC) entwickelt - je härter der Stahl, desto besser. KB9610 kann sehr effektiv bei Wälzlagerstählen, Warmarbeits- und Kaltarbeitsstählen, Schnellarbeitsstählen, Matrizenstählen, gehärteten Stählen, aufgekohlten und nitrierten Eisen sowie einigen harten Beschichtungen verwendet werden. Nicht für weiche Stähle verwenden. Um die besten Ergebnisse zu erzielen, verwenden Sie Werkzeuge mit negativem Spanwinkel für die Außenbearbeitung und Werkzeuge mit positivem Spanwinkel für die Innenbearbeitung. KB9610 ist in einer Multi-Tip-Ausführung erhältlich und verfügt über viele verschiedene Schneidkantenpräparationen sowie zwei verschiedene Wiper-Geometrien.	P M K N S H									

Kennametal Schneidstoffübersicht

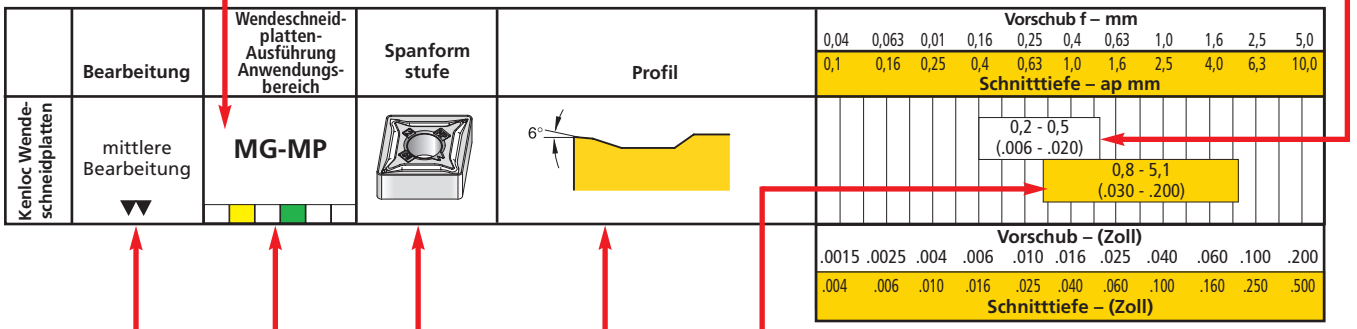
Schneidstoff-Auswahltabelle

Typ	Schneidstoff	Schichtaufbau	Zusammensetzung und Einsatzempfehlung	Normbezeichnung	Anwendungsbereich: Verschleißfestigkeit ↔ Zähigkeit; 05 10 15 20 25 30 35 40 45
PCBN – Polykristallines kubisches Bornitrid	**KB9640** NEU!	C-Klasse: C1 	**Zusammensetzung:** Voll-PCBN-Schneidstoff mit hohem CBN-Gehalt und CVD-Aluminiumoxid-Beschichtung. **Einsatz:** KB9640 wird beim Schruppen bis hin zum Vorschlichten von voll perlitischem Grauguss, Hartguss, Stahllegierungen mit hohem Chromgehalt, Sintermetallen sowie starken Schnittunterbechungen in gehärteten Stählen (> 45 HRC) eingesetzt. Nicht zum Schlichten von gehärteten Stählen verwenden.	P M K N S H	
PCBN – Polykristallines kubisches Bornitrid	**KD120**	C8 	**Zusammensetzung:** In Hartmetall-Wendeschneidplatten eingelöteter PCBN-Tip mit hohem CBN-Gehalt. **Einsatz:** Der Haupteinsatzbereich für Sorten mit hohem CBN-Gehalt liegt im Schruppen bis hin zum Schlichten von voll perlitischem Grauguss, Hartguss, Stahllegierungen mit hohem Chromgehalt, Sintermetallen sowie bei starken Schnittunterbrechungen in gehärteten Stählen (> 45 HRC). Kann auch für das Schlichten von Hartguss und voll perlitischem Grauguss verwendet werden. Nicht zum Schlichten in gehärteten Stählen verwenden.	P M K N S H	
PCD – Polykristalliner Diamant	**KD100**	C4 	**Zusammensetzung:** Ein polykristalliner Diamanteinsatz (PCD), der direkt auf ein Hartmetallsubstrat aufgelötet wird. **Einsatz:** KD100 ist für allgemeine Dreharbeiten vorgesehen. Das Material des Schneidwerkzeugs enthält außer Diamantpartikeln einen Binder. Deshalb eignet sich KD100 zum Schruppen bis hin zum Schlichten aller Arten hoch abrasiver Werkstoffe, einschließlich NE-Metalle und Nichtmetalle. Bei Aluminiumlegierungen mit hohem Siliziumgehalt als erste Wahl verwenden (hypereutektisch). Erzeugt in der Regel gute Oberflächengüten. Verfügt von allen Diamantwerkstoffen über die beste Beständigkeit gegenüber mechanischen Wechselbelastungen. Die Schneidkante ist scharf. Diese Sorte eignet sich für sehr hohe Geschwindigkeiten.	P M K N S H	
PCD – Polykristalliner Diamant	**KD1405** NEU!	C4 	**Zusammensetzung:** Reiner polikristalliner Diamant ohne Bindephasenanteile. **Einsatz:** KD1405 verfügt über die höchste abrasive Verschleißfestigkeit und eignet sich hervorragend für die Hochgeschwindigkeits-Zerspanung von NE-Werkstoffen. KD1405 verfügt nicht über dieselbe Zähigkeit wie KD100, widersteht jedoch geringen Schnittunterbrechungen.	P M K N S H	

Kennametal Spannsystem

Kennzeichnung der Spanformstufen
Beispiel: MG-MP = CNMG-120408MP

Vorschubbereich f
(für die besten Ergebnisse die mittleren 60 % des Bereichs verwenden)



Schnitttiefenbereich ap
(wählen Sie bei allen Wendeschneidplatten im Programm kleinere Platten für leichtere Schnitte, und größere Platten für stärkere Schnitte aus)

Spanformgeometrie
(Querschnitt durch Schneideneckenradius der Wendeschneidplatte)

Bildliche Darstellung der Wendeschneidplatte

Primäre Werkstoffgruppe

- Stahl
- NE-Metalle
- nicht rostender Stahl
- schwer zerspanbare Stoffe
- Gusseisen
- harte Werkstoffe

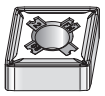
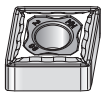
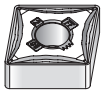
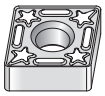
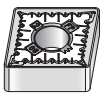
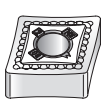
Bearbeitungsvorgang
(in Abhängigkeit zur konstruktiven Auslegung)

▼▼▼▼ – Feinschlichten
▼▼▼ – Schlichten
▼▼ – mittlere Bearbeitung
▼ – Schruppen

Detailierte Empfehlungen zur Spanstufe/ Geometrie entnehmen Sie bitte dem KENNA PERFECT Auswahlsystem.

Spanformstufen

Kenloc Wendeschneidplatten

Bearbeitung	Wendeschneidplatten-Ausführung Anwendungsbereich	Spanformstufe	Profil	Vorschub f – mm / Schnitttiefe – ap mm
Wiper, Schlichten	**MG-FW**			0,2 - 0,4 (.008 - .016); 0,3 - 2,0 (.010 - .080)
Wiper, mittlere Bearbeitung	**MG-MW**			0,3 - 0,6 (.012 - .024); 0,8 - 5,1 (.030 - .200)
Wiper, Schruppen	**MM-RW**			0,3 - 1,3 (.010 - .050); 1,3 - 12,7 (.050 - .500)
Fein-Schlichten ▼▼▼▼	**MG-FF**			0,1 - 0,3 (.002 - .010); 0,1 - 2,0 (.003 - .080)
Fein-Schlichten scharfkantig ▼▼▼▼	**GG-FS** präzisionsgeschliffen			0,07 - 0,25 (.003 - .010); 0,20 - 2,0 (.008 - .080)
Schlichten ▼▼▼	**GG-LF** präzisionsgeschliffen			0,1 - 0,5 (.005 - .020); 0,5 - 3,0 (.020 - .120)
Schlichten ▼▼▼	**MG-FP**			0,1 - 0,3 (.004 - .012); 0,3 - 2,5 (.010 - .100)
Schlichten ▼▼▼	**MG-FN**			0,1 - 0,3 (.005 - .012); 0,3 - 2,5 (.010 - .100)
Schlichten ▼▼▼	**MP-K**			0,1 - 0,3 (.004 - .012); 0,2 - 2,5 (.008 - .100)
mittlere Bearbeitung scharfkantig ▼▼	**MG-MS**			0,12 - 0,35 (.005 - .014); 0,76 - 5,0 (.030 - .200)

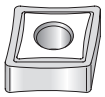
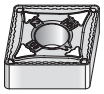
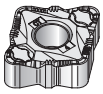
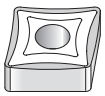
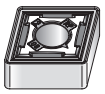
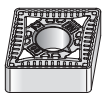
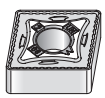
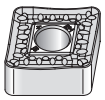
Vorschub f – mm: 0,04 | 0,063 | 0,01 | 0,16 | 0,25 | 0,4 | 0,63 | 1,0 | 1,6 | 2,5 | 5,0

Schnitttiefe – ap mm: 0,1 | 0,16 | 0,25 | 0,4 | 0,63 | 1,0 | 1,6 | 2,5 | 4,0 | 6,3 | 10,0

Vorschub – (Zoll): .0015 | .0025 | .004 | .006 | .010 | .016 | .025 | .040 | .060 | .100 | .200

Schnitttiefe – (Zoll): .004 | .006 | .010 | .016 | .025 | .040 | .060 | .100 | .160 | .250 | .500

Kenloc Wendeschneidplatten

Bearbeitung	Wendeschneidplatten-Ausführung Anwendungsbereich	Spanformstufe	Profil	Schnitttiefe – mm
mittlere Bearbeitung ▼▼	__GP* präzisionsgeschliffen			0,3-0,5 (.012-.020) 1,5 - 3,2 (.060 - .125)
mittlere Bearbeitung ▼▼	MG-MP			0,2 - 0,5 (.006 - .020) 0,8 - 5,1 (.030 - .200)
mittlere Bearbeitung ▼▼	MG-P			0,15 - 0,5 (.006 - .020) 0,75 - 5,0 (.030 - .200)
mittlere Bearbeitung ▼▼	MG-MN			0,2 - 0,5 (.006 - .020) 0,5 - 5,1 (.020 - .200)
mittlere Bearbeitung ▼▼	MG-CT			AD Drehen: 0,13 - 0,5 (.005 - .020); 1,0 - 3,0 (.040 - .115) Nach außen gerichtet: 0,25 - 0,5 (.010 - .020); 0,25 - 1,0 (.010 - .040)
mittlere Bearbeitung ▼▼	__MS (einseitig)			0,2 - 0,4 (.006 - .015) 0,6 - 2,3 (.025 - .090)
Schruppen ▼	MG-RP			0,2 - 0,6 (.008 - .025) 1,1 - 6,4 (.045 - .250)
Schruppen ▼	MG-RN			0,3 - 0,6 (.010 - .025) 1,1 - 6,4 (.045 - .250)
Schruppen ▼	MG-UN			0,2 - 0,5 (.008 - .020) 0,8 - 3,8 (.030 - .150)
schweres Schruppen ▼	MM-RM (einseitig)			0,3 - 1,0 (.010 - .040) 1,3 - 12,7 (.050 - .500)

Vorschub – mm: 0,04 | 0,063 | 0,01 | 0,16 | 0,25 | 0,4 | 0,63 | 1,0 | 1,6 | 2,5 | 5,0

Schnitttiefe – mm: 0,1 | 0,16 | 0,25 | 0,4 | 0,63 | 1,0 | 1,6 | 2,5 | 4,0 | 6,3 | 10,0

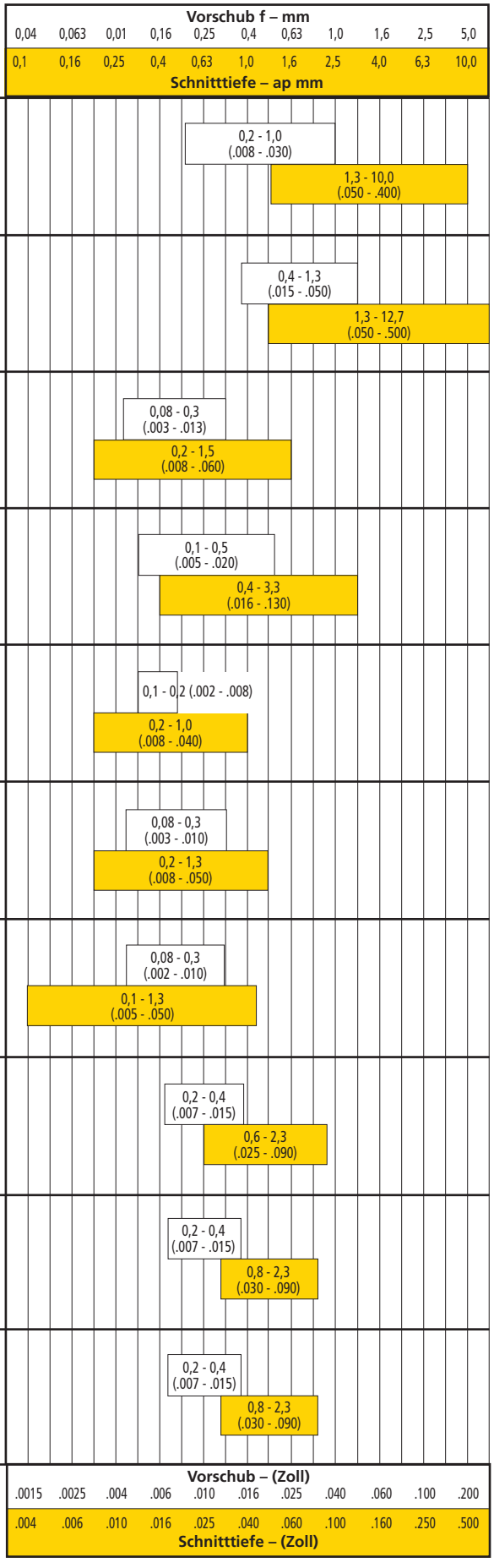
Vorschub – (Zoll): .0015 | .0025 | .004 | .006 | .010 | .016 | .025 | .040 | .060 | .100 | .200

Schnitttiefe – (Zoll): .004 | .006 | .010 | .016 | .025 | .040 | .060 | .100 | .160 | .250 | .500

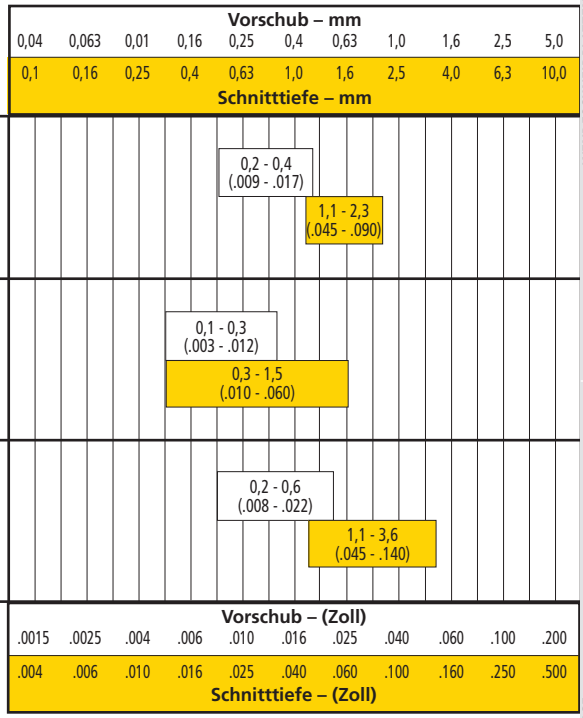
*Spanstufen 35° und 55° sind einseitig.

Spanformstufen

	Bearbeitung	Wendeschneidplatten-Ausführung Anwendungsbereich	Spanformstufe	Profil
Kenloc Wendeschneidplatten	schweres Schruppen ▼	**MM-RP**		0°
	schweres Schruppen ▼	**MM-RH** (einseitig)		20°
Screw-On Wendeschneidplatten	Wiper, Schlichten	**MT-FW**		5°
	Wiper, mittlere Bearbeitung	**MT-MW**		0°
	Fein-Schlichten ▼▼▼▼	**__GM** präzisionsgeschliffen		5°
	Fein-Schlichten ▼▼▼▼	**MT-11**		5°
	Fein-Schlichten ▼▼▼▼	**MT-UF**		5°
	Schlichten ▼▼▼	**GT-HP** präzisionsgeschliffen		15°
	Schlichten ▼▼▼	**GT-LF** präzisionsgeschliffen		5°
	Schlichten ▼▼▼	**MT-LF**		5°



	Bearbeitung	Wendeschneidplatten-Ausführung Anwendungsbereich	Spanformstufe	Profil
Screw-On Wendeschneidplatten	mittlere Bearbeitung ▼▼	**MT-MF**		
Kendex Positive Wendeschneidplatte	Schlichten ▼▼▼	**GR-K** präzisionsgeschliffen		
	mittlere Bearbeitung ▼▼	**_ _MR**		

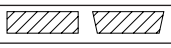
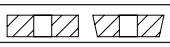
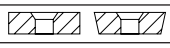
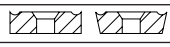
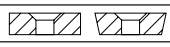
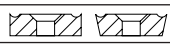


Wendeschneidplatten-Kennzeichnungssystem

1. Grundform

Symbol Form	Wende-schneid-platte	Form	Spitzen-winkel (Grad)
S		quadratisch	90
T		dreieckig	60
C		rhombisch (Diamant)	80
D			55
E			75
F			50
M			86
V			35
W		dreieckig	80
H		sechseckig	120
O		achteckig	135
P		fünfeckig	108
L		rechteckig	90
A		parallelo-gramm-förmig	85
B			82
N/K			55
R		rund	–

4. Ausführung der Spanfläche und Befestigungsmerkmale

Symbol	Bohrung	Form der Bohrung	Spanform-stufe	Form des Schneidplatten-Querschnitts	alternative Symbole: gewöhnliches System	alternative Symbole: "D" kleiner als 1/4"*
N	ohne		ohne		N	
R			einseitig		R	E
F			doppelseitig		F	
A	mit	zylindrische Bohrung	ohne		A	D
M,P,S			einseitig		M	
G,P,Z			doppelseitig		G	
W		halbzylindrische Bohrung, 40-60° Senkung	ohne		A	
T			einseitig		M	
Q		halbzylindrische Bohrung, 40-60° Doppelsenkung	ohne		A	
U			doppelseitig		G	
B		halbzylindrische Bohrung, 70-90° Senkung	ohne		A	
H			einseitig		M	
C		halbzylindrische Bohrung, 70-90° Doppelsenker	ohne		A	
J			doppelseitig		G	
X	Spezial				X	X

*Nur Zollsystem

Beispiel:

ZOLL	C	N	M	G	4
METRISCH	C	N	M	G	12

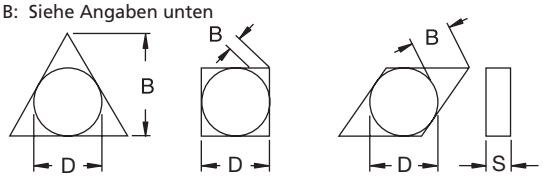
2. Freiwinkel

N – 0°
A – 3°
B – 5°
C – 7°
P – 11°
D – 15°
E – 20°
F – 25°
G – 30°

3. Toleranzklasse

Toleranzen: vor Schneidkantenpräparation und Beschichtung anwenden

D: theoretischer Durchmesser des Wendeschneidplatten-Inkreises
S: Dicke
B: Siehe Angaben unten



Toleranzklasse	Toleranz an "D"		Toleranz an "B"		Toleranz an "S"	
	inch	mm	inch	mm	inch	mm
C	±.0010	±0,025	±.0005	±0,013	±.001	±0,025
H	±.0005	±0,013	±.0005	±0,013	±.001	±0,025
E	±.0010	±0,025	±.0010	±0,025	±.001	±0,025
G	±.0010	±0,025	±.0010	±0,025	±.005	±0,13
M	Siehe Tabellen rechts				±.005	±0,13
U	Siehe Tabellen rechts				±.005	±0,13

5. Größe

Zoll	"D"		Code für metrische Schneidkantenlänge "L10"						
	Zoll	mm	C	D	R	S	T	V	W
1.2 (5)	5/32	3,97	04	04	03	03	06	–	–
1.5 (6)	3/16	4,76	04	05	04	04	08	08	S3
1.8 (7)	7/32	5,56	05	06	05	05	09	09	03
–	.236	6,00	–	–	06	–	–	–	–
2	1/4	6,35	06	07	06	06	11	11	04
2.5	5/16	7,94	08	09	07	07	13	13	05
–	.315	8,00	–	–	08	–	–	–	–
3	3/8	9,52	09	11	09	09	16	16	06
–	.394	10,00	–	–	10	–	–	–	–
3.5	7/16	11,11	11	13	11	11	19	19	07
–	.472	12,00	–	–	12	–	–	–	–
4	1/2	12,70	12	15	12	12	22	22	08
4.5	9/16	14,29	14	17	14	14	24	24	09
5	5/8	15,88	16	19	15	15	27	27	10
–	.630	16,00	–	–	16	–	–	–	–
5.5	11/16	17,46	17	21	17	17	30	30	11
6	3/4	19,05	19	23	19	19	33	33	13
–	.787	20,00	–	–	20	–	–	–	–
7	7/8	22,22	22	27	22	22	38	38	15
–	.984	25,00	–	–	25	–	–	–	–
8	1	25,40	25	31	25	25	44	44	17
10	1 1/4	31,75	32	38	31	31	54	54	21
–	1.260	32,00	–	–	32	–	–	–	–

HINWEIS: Zollangaben in Klammern für "alternative Symbole" D oder E (unter 1/4 Zoll "D").

Symbol		Dicke	
Zoll	mm	Zoll	mm
.5 (1)	–	1/32	0,79
.6	T0	.040	1,00
1 (2)	01	1/16	1,59
1.2	T1	5.64	1,98
1.5 (3)	02	3/32	2,38
2	03	1/8	3,18
2.5	T3	5/32	3,97
3	04	3/16	4,76
3.5	05	7/32	5,56
4	06	1/4	6,35
5	07	5/16	7,94
6	09	3/8	9,52
7	11	7/16	11,11
8	12	1/2	12,70

HINWEIS:
Zollangaben in Klammern
für "alternative Symbole"
D oder E (unter 1/4 Zoll "D").

3. Toleranzerklärung

"D"		± Toleranz an "D"								"D"		± Toleranz an "B"							
		Klasse M-Toleranz				Klasse U-Toleranz						Klasse M-Toleranz				Klasse U-Toleranz			
		Formen S, T, C, R & W		Form D		Form V		Formen S, T & C				Formen S, T, C, R & W		Form D		Form V		Formen S, T & C	
Zoll	mm	Zoll	mm	Zoll	mm	Zoll	mm	Zoll	mm	Zoll	mm	Zoll	mm	Zoll	mm	Zoll	mm	Zoll	mm
5/32	3,97	.002	0,05	–	–	–	–	–	–	5/32	3,97	.003	0,06	–	–	–	–	–	–
3/16	4,76			–	–	–	–	.003	0,06	3/16	4,76			–	–	–	–	.005	0,13
7/32	5,56			.002	0,05	.002	0,05			7/32	5,56			.004	0,11	–	–		
1/4	6,35									1/4	6,35					–	–		
5/16	7,94									5/16	7,94					–	–		
3/8	9,52									3/8	9,52					.007	0,18		
7/16	11,11	.003	0,06	.003	0,06	.003	0,06	.005	0,13	7/16	11,11	.005	0,13	.006	0,15	–	–	–	–
1/2	12,70									1/2	12,70					.010	0,25	.008	0,20
9/16	14,29									9/16	14,29					–	–	–	–
5/8	15,88	.004	0,10	.004	0,10	.004	0,10	.007	0,18	5/8	15,88	.006	0,15	.007	0,18	–	–		
11/16	17,46									11/16	17,46					–	–	.011	0,27
3/4	19,05									3/4	19,05					–	–		
7/8	22,22	.005	0,13	–	–	–	–			7/8	22,22			–	–	–	–		
1	25,40			–	–	–	–	.010	0,25	1	25,40	.007	0,18	–	–	–	–	.015	0,38
1 1/4	31,75	.006	0,15	–	–	–	–			1 1/4	31,75	.008	0,20	–	–	–	–		

6. Dicke "S"

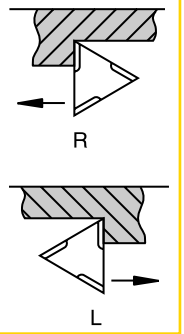
3
04

2
08

7. Eckenradius "Rε"

Symbol		Eckenradius	
inch	mm	inch	mm
X0	X0	.0015	.04
0	01	.004	0,1
.5	02	.008	0,2
1	04	1/64	0,4
2	08	1/32	0,8
3	12	3/64	1,2
4	16	1/16	1,6
5	20	5/64	2,0
6	24	3/32	2,4
7	28	7/64	2,8
8	32	1/8	3,2
–	00	runde Wendeschneid-platten (Zoll)	
–	M0	runde Wendeschneid-platten (mm)	

8. Schneiden-richtung (optional)



9./10. Schneidkanten-bedingung oder Spankontrollmerk–male (optional)

F	scharfkantig
FF	Feinschlichten
FN	Schlichten
MN	mittel, negativ
RN	Schruppen, negativ
UN	universell, negativ
FP	Schlichten, positiv
MP	mittel, positiv
RP	Schruppen, positiv
RM	Mittleres Schruppen
RH	Schweres Schruppen
FW	Wiper, Schlichten
MW	Wiper, mittel
FS	Schlichten, scharfkantig
MS	mittel, scharfkantig
RW	Wiper, Schruppen
HP	hoch, positiv
-11	Feinschlichten
K	Spankontrolle, leichter Vorschub
UF	Ultrafeinschlichten
LF	leichtes Schlichten
MF	mittleres Schlichten
E	Kantenverrundet
T	negative Verschleißmarke
S	negative Verschleißmarke plus gehont
MP-K	mittel, positiv
MG-P	mittel, positiv
CT	copy turning

11./12./13. Kantenverrundung Fasenbreite

Symbol		Größe	
ANSI	ISO	Zoll	mm
04	010	.004	0,01
08	020	.008	0,02

14./15. T-Fasenwinkel (optional)

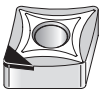
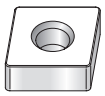
Symbol	Größe
10	10°
15	15°
20	20°
25	25°
30	30°

16. Tip-Ausführung (optional)

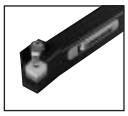
Symbol	Verwendung
D	two-sided mini tip
M	mini tip
MT	multi tip

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	M: KT315	KC5010	KC9225	KC9240	KC9245	K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL KU10T	KU30T
CNGA 	CNGA120404E																		●				●																		
	CNGA120408																		●				●																		
	CNGA120408E																		●				●																		
	CNGA120408S01020																		●																						
	CNGA120408S02020																		●																						
	CNGA120412																		●				●																		
	CNGA120412E																		●																						
	CNGA120412S01020																		●																						
	CNGA120412S02020																		●																						
CNGA-FW/ MW MT 	CNGA120404EFWMT																																			●	●			
	CNGA120404S01020FWMT																																			●				
	CNGA120408EFWMT																																			●	●			
	CNGA120408S01020FWMT																																			●				
	CNGA120408S01020MWMT																																			●				
	CNGA120412EFWMT																																			●	●			
	CNGA120412S01020FWMT																																			●				
	CNGA120412S01020MWMT																																			●				
CNGA-MT 	CNGA120404EMT																																			●				
	CNGA120404S01020MT																																			●				
	CNGA120404S01025MT																																				●			
	CNGA120408EMT																																			●	●			
	CNGA120408S01020MT																																			●				
	CNGA120408S01025MT																																				●			
	CNGA120412EMT																																			●	●			
	CNGA120412S01020MT																																			●				
	CNGA120412S01025MT																																				●			
CNMS-E 	CNMS120408E																						●																		
CNMS-F 	CNMS120408F																							●																		
CNGA 	CNGA120404E														●																				●						
	CNGA120404T01020														●																				●						
	CNGA120404T02020																																			●					
	CNGA120408E														●																				●						
	CNGA120408T00520																																			●					
	CNGA120408T01020														●																				●						
	CNGA120408T02020															●	●	●																		●					
	CNGA120412E														●																		●	●	●						
	CNGA120412T01020														●																		●	●	●						
	CNGA120412T02020															●	●	●																		●					
	CNGA120416E																																●								
	CNGA120416T01020														●																		●	●	●						
	CNGA120416T02020															●	●	●																							
	CNGA160608T02020															●		●																							
	CNGA160612T01020														●																				●						

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236

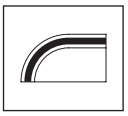

A240-A244

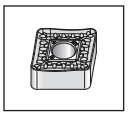


A6-A19

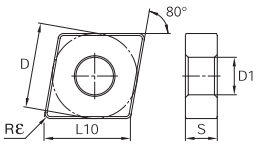


A26-A27


A28-A32


A33-A37

CN..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
CNGA120404E	CNGA431E	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	CNGA
CNGA120408	CNGA432	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGA120408E	CNGA432E	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGA120408S01020	CNGA432S0420	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGA120408S02020	CNGA432S0820	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGA120412	CNGA433	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNGA120412E	CNGA433E	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNGA120412S01020	CNGA433S0420	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNGA120412S02020	CNGA433S0820	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNGA120404EFWMT	CNGA431EFWMT	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,15	CNGA-FW/ MW MT
CNGA120404S01020FWMT	CNGA431S0420FWMT	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,15	
CNGA120408EFWMT	CNGA432EFWMT	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,15	
CNGA120408S01020FWMT	CNGA432S0420FWMT	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,15	
CNGA120408S01020MWMT	CNGA432S0420MWMT	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,15	
CNGA120412EFWMT	CNGA433EFWMT	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNGA120412S01020FWMT	CNGA433S0420FWMT	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNGA120412S01020MWMT	CNGA433S0420MWMT	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNGA120404EMT	CNGA431EMT	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	CNGA-MT
CNGA120404S01020MT	CNGA431S0420MT	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	
CNGA120404S01025MT	CNGA431S0425MT	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	
CNGA120408EMT	CNGA432EMT	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGA120408S01020MT	CNGA432S0420MT	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGA120408S01025MT	CNGA432S0425MT	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGA120412EMT	CNGA433EMT	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNGA120412S01020MT	CNGA433S0420MT	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNGA120412S01025MT	CNGA433S0425MT	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMS120408E	CNMS432E	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	CNMS-E
CNMS120408F	CNMS432F	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	CNMS-F
CNGA120404E	CNGA431	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	CNGA
CNGA120404T01020	CNGA431T0420	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	
CNGA120404T02020	CNGA431T0820	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	
CNGA120408E	CNGA432	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGA120408T00520	CNGA432T0220	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGA120408T01020	CNGA432T0420	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGA120408T02020	CNGA432T0820	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGA120412E	CNGA433	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNGA120412T01020	CNGA433T0420	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNGA120412T02020	CNGA433T0820	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNGA120416E	CNGA434	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNGA120416T01020	CNGA434T0420	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNGA120416T02020	CNGA434T0820	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNGA160608T02020	CNGA542T0820	5/8	15,88	.63	16,12	1/4	6,35	1/32	0,8	.250	6,35	
CNGA160612T01020	CNGA543T0420	5/8	15,88	.63	16,12	1/4	6,35	3/64	1,2	.250	6,35	

Bestellbeispiel:
ISO-Katalognummer: CNGA120404E
Schneidstoffsorte: KD1405

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P					M					K									N				S											H					KENNA UNIVERSAL	
		KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	KT315	KC5010	KC9225	KC9240	KC9245	KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	K313	KC5410	KD1405	KD100	K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	KY4400	KY1615	KB9610	KB5625	KB9640	KU10T	KU30T
CNGA	**CNGA160612T02020**														●	●	●	●																	●	●					
	CNGA160616T01020														●																				●						
	CNGA160616T02020															●	●	●																		●	●					
	CNGA190608T01020														●																				●						
	CNGA190608T02020																																			●						
	CNGA190612T01020														●																			●	●						
	CNGA190612T02020																●	●																		●						
	CNGA190616T01020														●																				●						
	CNGA190616T02020																●	●																		●						
CNGA-FW	**CNGA120404EFW**														●																				●						
	CNGA120408EFW														●																				●						
	CNGA120408T01020FW																●	●																								
	CNGA120412EFW														●																				●						
	CNGA120412T01020FW															●	●	●																								
	CNGA120412T02020FW															●																										
	CNGA120416T01020FW																●	●																								
CNGG-FS	**CNGG120401FS**																				●				●		●	●													
	CNGG120402FS																				●				●		●	●													
	CNGG120404FS																				●				●		●	●													
	CNGG120408FS																				●				●		●	●													
	CNGG120412FS																				●				●		●	●													
CNGG-LF	**CNGG120401LF**							●													●				●																
	CNGG120402LF							●													●				●																
	CNGG120404LF							●													●				●																
	CNGG120408LF							●													●				●																
	CNGG120412LF							●													●				●																
	CNGG160608LF							●																																	
	CNGG160612LF							●																																	
CNGP	**CNGP120401**							●														●			●																
	CNGP120402							●														●			●																
	CNGP120404							●													●	●			●																
	CNGP120408							●													●	●			●																
	CNGP120412							●													●	●			●																
	CNGP120416							●													●	●			●																
CNMA	**CNMA120404**												●	●																											
	CNMA120408												●	●							●				●																
	CNMA120408S02020																			●																			●	
	CNMA120408T02020																	●																						
	CNMA120412												●	●							●				●																
	CNMA120412E																			●																			●	
	CNMA120412S02020																			●																			●	
	CNMA120412T02020																	●																						
	CNMA120416												●	●																											
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	CNMA120416T02020																	●																						
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	CNMA160612												●	●																											
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	CNMA160616												●	●																											
	CNMA160616T02020																	●																						
	CNMA190608												●	●																											
	CNMA190612												●	●																											
	CNMA190616												●	●																											

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

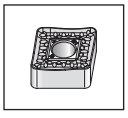


A6-A19

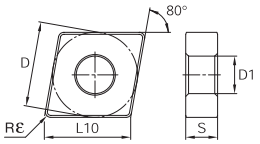


A26-A27


A28-A32


A33-A37

CN..

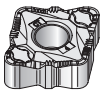
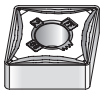
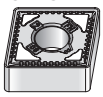
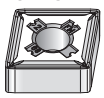
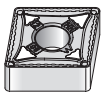


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	RE Zoll	RE mm	D1 Zoll	D1 mm	
CNGA160612T02020	CNGA543T0820	5/8	15,88	.63	16,12	1/4	6,35	1/64	1,2	.250	6,35	CNGA
CNGA160616T01020	CNGA544T0420	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	.250	6,35	
CNGA160616T02020	CNGA544T0820	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	.250	6,35	
CNGA190608T01020	CNGA642T0420	3/4	19,05	.76	19,34	1/4	6,35	1/32	0,8	.312	7,93	
CNGA190608T02020	CNGA642T0820	3/4	19,05	.76	19,34	1/4	6,35	1/32	0,8	.312	7,93	
CNGA190612T01020	CNGA643T0420	3/4	19,05	.76	19,34	1/4	6,35	1/64	1,2	.312	7,93	
CNGA190612T02020	CNGA643T0820	3/4	19,05	.76	19,34	1/4	6,35	1/64	1,2	.313	7,93	
CNGA190616T01020	CNGA644T0420	3/4	19,05	.76	19,34	1/4	6,35	1/16	1,6	.313	7,93	
CNGA190616T02020	CNGA644T0820	3/4	19,05	.76	19,34	1/4	6,35	1/16	1,6	.313	7,93	
CNGA120404EFW	CNGA431FW	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,15	CNGA-FW
CNGA120408EFW	CNGA432FW	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,15	
CNGA120408T01020FW	CNGA432T0420FW	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGA120412EFW	CNGA433FW	1/2	12,70	.51	12,90	3/16	4,76	1/64	1,2	.203	5,16	
CNGA120412T01020FW	CNGA433T0420FW	1/2	12,70	.51	12,90	3/16	4,76	1/64	1,2	.203	5,16	
CNGA120412T02020FW	CNGA433T0820FW	1/2	12,70	.51	12,90	3/16	4,76	1/64	1,2	.203	5,16	
CNGA120416T01020FW	CNGA434T0420FW	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNGG120401FS	CNGG430FS	1/2	12,70	.51	12,90	3/16	4,76	.004	0,1	.203	5,16	CNGG-FS
CNGG120402FS	CNGG4305FS	1/2	12,70	.51	12,90	3/16	4,76	.008	0,2	.203	5,16	
CNGG120404FS	CNGG431FS	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	
CNGG120408FS	CNGG432FS	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGG120412FS	CNGG433FS	1/2	12,70	.51	12,90	3/16	4,76	1/64	1,2	.203	5,16	
CNGG120401LF	CNGG430LF	1/2	12,70	.51	12,90	3/16	4,76	.004	0,1	.203	5,16	CNGG-LF
CNGG120402LF	CNGG4305LF	1/2	12,70	.51	12,90	3/16	4,76	.008	0,2	.203	5,16	
CNGG120404LF	CNGG431LF	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	
CNGG120408LF	CNGG432LF	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGG120412LF	CNGG433LF	1/2	12,70	.51	12,90	3/16	4,76	1/64	1,2	.203	5,16	
CNGG160608LF	CNGG542LF	5/8	15,88	.63	16,12	1/4	6,35	1/32	0,8	.250	6,35	
CNGG160612LF	CNGG543LF	5/8	15,88	.63	16,12	1/4	6,35	1/64	1,2	.250	6,35	
CNGP120401	CNGP430	1/2	12,70	.51	12,90	3/16	4,76	.004	0,1	.203	5,16	CNGP
CNGP120402	CNGP4305	1/2	12,70	.51	12,90	3/16	4,76	.008	0,2	.203	5,16	
CNGP120404	CNGP431	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	
CNGP120408	CNGP432	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNGP120412	CNGP433	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNGP120416	CNGP434	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMA120404	CNMA431	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	CNMA
CNMA120408	CNMA432	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNMA120408S02020	CNMA432S0820	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNMA120408T02020	CNMA432T0820	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNMA120412	CNMA433	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMA120412E	CNMA433E	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMA120412S02020	CNMA433S0820	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMA120412T02020	CNMA433T0820	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMA120416	CNMA434	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMA120416S02020	CNMA434S0820	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMA120416T02020	CNMA434T0820	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMA160608	CNMA542	5/8	15,88	.63	16,12	1/4	6,35	1/32	0,8	.250	6,35	
CNMA160612	CNMA543	5/8	15,88	.63	16,12	1/4	6,35	3/64	1,2	.250	6,35	
CNMA160612T02020	CNMA543T0820	5/8	15,88	.63	16,12	1/4	6,35	3/64	1,2	.250	6,35	
CNMA160616	CNMA544	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	.250	6,35	
CNMA160616T02020	CNMA544T0820	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	.250	6,35	
CNMA190608	CNMA642	3/4	19,05	.76	19,34	1/4	6,35	1/32	0,8	.313	7,93	
CNMA190612	CNMA643	3/4	19,05	.76	19,34	1/4	6,35	3/64	1,2	.313	7,93	
CNMA190616	CNMA644	3/4	19,05	.76	19,34	1/4	6,35	1/16	1,6	.313	7,93	

Bestellbeispiel:
ISO-Katalognummer: CNGA160612T02020
Schneidstoffsorte: KY1310

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P					M					K										N				S										H					KENNA UNIVERSAL	
		KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	KT315	KC5010	KC9225	KC9240	KC9245	KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	K313	KC5410	KD1405	KD100	K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	KY4400	KY1615	KB9610	KB5625	KB9640	KU10T	KU30T
CNMA-MW 	CNMA120408S02020MW																			●																			●		
	CNMA120412S02020MW																			●																			●		
CNMG-CT 	CNMG120408CT		●	●				●	●	●			●															●	●											
	CNMG120412CT		●	●				●	●	●			●															●	●											
	CNMG120416CT		●	●				●	●	●			●															●	●											
CNMG-FF 	CNMG090304FF	●	●				●	●	●			●																●												
	CNMG090308FF	●	●				●	●	●			●																●												
	CNMG120404FF	●	●				●	●	●			●																●												
	CNMG120408FF	●	●				●	●	●			●																●												
CNMG-FN 	CNMG090304FN	●	●	●			●					●	●																											
	CNMG090308FN	●	●	●			●					●	●																											
	CNMG120404FN	●	●	●			●					●	●																											
	CNMG120408FN	●	●	●			●					●	●																											
	CNMG120412FN	●	●	●			●					●	●																											
	CNMG120416FN	●	●	●			●					●	●																											
CNMG-FP 	CNMG120404FP	●			●		●	●	●			●																●										●		
	CNMG120408FP	●			●		●	●	●			●																●										●		
	CNMG120412FP	●			●		●	●	●			●																●												
CNMG-FW 	CNMG120404FW	●	●				●	●	●			●	●															●												
	CNMG120408FW	●	●				●	●	●			●	●															●												
	CNMG120412FW	●	●				●	●	●			●	●															●												
CNMG-MN 	CNMG090304MN		●	●	●	●																																	
	CNMG090308MN		●	●	●	●																																	
	CNMG090312MN		●	●	●	●																																	
	CNMG120404MN		●	●	●	●																																●	
	CNMG120408MN		●	●	●	●																																●	
	CNMG120412MN		●	●	●	●																																●	
	CNMG120416MN		●	●	●	●																																	
	CNMG160608MN		●	●	●	●																																	
	CNMG160612MN		●	●	●	●																																	
	CNMG160616MN		●	●	●	●																																	
	CNMG190608MN		●	●	●	●																																	
	CNMG190612MN		●	●	●	●																																	
	CNMG190616MN		●	●	●	●																																	
	CNMG190624MN		●	●	●	●																																	

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

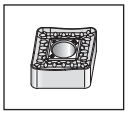


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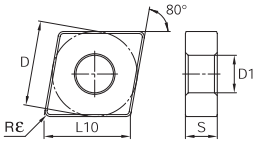


A26-A27


A28-A32


A33-A37

CN..

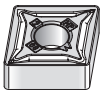
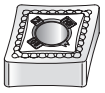
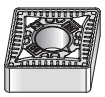


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
CNMA120408S02020MW	CNMA432S0820MW	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	CNMA-MW
CNMA120412S02020MW	CNMA433S0820MW	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMG120408CT	CNMG432CT	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	CNMG-CT
CNMG120412CT	CNMG433CT	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMG120416CT	CNMG434CT	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMG090304FF	CNMG321FF	3/8	9,53	.38	9,67	1/8	3,18	1/64	0,4	.150	3,81	CNMG-FF
CNMG090308FF	CNMG322FF	3/8	9,53	.38	9,67	1/8	3,18	1/32	0,8	.150	3,81	
CNMG120404FF	CNMG431FF	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	
CNMG120408FF	CNMG432FF	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNMG090304FN	CNMG321FN	3/8	9,53	.38	9,67	1/8	3,18	1/64	0,4	.150	3,81	CNMG-FN
CNMG090308FN	CNMG322FN	3/8	9,53	.38	9,67	1/8	3,18	1/32	0,8	.150	3,81	
CNMG120404FN	CNMG431FN	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	
CNMG120408FN	CNMG432FN	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNMG120412FN	CNMG433FN	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMG120416FN	CNMG434FN	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMG120404FP	CNMG431FP	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	CNMG-FP
CNMG120408FP	CNMG432FP	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNMG120412FP	CNMG433FP	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMG120404FW	CNMG431FW	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	CNMG-FW
CNMG120408FW	CNMG432FW	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNMG120412FW	CNMG433FW	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMG090304MN	CNMG321MN	3/8	9,53	.38	9,67	1/8	3,18	1/64	0,4	.150	3,81	CNMG-MN
CNMG090308MN	CNMG322MN	3/8	9,53	.38	9,67	1/8	3,18	1/32	0,8	.150	3,81	
CNMG090312MN	CNMG323MN	3/8	9,53	.38	9,67	1/8	3,18	3/64	1,2	.150	3,81	
CNMG120404MN	CNMG431MN	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	
CNMG120408MN	CNMG432MN	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNMG120412MN	CNMG433MN	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMG120416MN	CNMG434MN	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMG160608MN	CNMG542MN	5/8	15,88	.63	16,12	1/4	6,35	1/32	0,8	.250	6,35	
CNMG160612MN	CNMG543MN	5/8	15,88	.63	16,12	1/4	6,35	3/64	1,2	.250	6,35	
CNMG160616MN	CNMG544MN	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	.250	6,35	
CNMG190608MN	CNMG642MN	3/4	19,05	.76	19,34	1/4	6,35	1/32	0,8	.313	7,93	
CNMG190612MN	CNMG643MN	3/4	19,05	.76	19,34	1/4	6,35	3/64	1,2	.313	7,93	
CNMG190616MN	CNMG644MN	3/4	19,05	.76	19,34	1/4	6,35	1/16	1,6	.313	7,93	
CNMG190624MN	CNMG646MN	3/4	19,05	.76	19,34	1/4	6,35	3/32	2,4	.313	7,93	

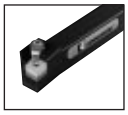
Bestellbeispiel:
ISO-Katalognummer: CNMA120408S02020MW
Schneidstoffsorte: KB9640

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P KT315	P KC9110	P KC9125	P KC8050	P KC9040/KC9140*	M KT315	M KC5010	M KC9225	M KC9240	M KC9245	K KT315	K KC9315	K KC9325	K KY4400	K KY1310	K KY3400	K KY3500	K KD120	K KB9640	N K313	N KC5410	N KD1405	N KD100	S K313	S K68	S KC5510	S KC5525	S KC9225	S KC9240	S KC9245	S KY2100	S KY1540	S KD120	H KY4400	H KY1615	H KB9610	H KB5625	H KB9640	KENNA UNIVERSAL KU10T	KU30T
CNMG-MP 	CNMG090308MP				●			●	●	●	●																		●	●	●									●	●
	CNMG120404MP				●			●	●	●	●																		●	●	●									●	●
	CNMG120408MP				●			●	●	●	●																		●	●	●									●	●
	CNMG120412MP				●			●	●	●	●																		●	●	●									●	●
	CNMG120416MP				●			●	●	●	●																		●	●	●										
	CNMG160608MP				●			●	●	●	●																		●	●	●										
	CNMG160612MP				●			●	●	●	●																		●	●	●										
	CNMG160616MP				●			●	●	●	●																		●	●	●										
	CNMG190608MP				●			●	●	●	●																		●	●	●										
	CNMG190612MP				●			●	●	●	●																		●	●	●										
	CNMG190616MP				●			●	●	●	●																		●	●	●										
CNMG-MS 	CNMG120401MS																				●				●		●	●												
	CNMG120402MS																				●				●		●	●												
	CNMG120404MS																				●				●		●	●												
	CNMG120408MS																				●				●		●	●												
	CNMG120412MS																				●				●		●	●												
	CNMG120416MS																				●				●		●	●												
	CNMG160608MS																				●				●		●	●												
	CNMG160612MS																				●				●		●	●												
	CNMG190608MS																				●				●		●	●												
	CNMG190612MS																				●				●		●	●												
	CNMG190616MS																				●				●		●	●												
CNMG-MW 	CNMG120408MW		●	●	●				●	●			●	●															●	●										
	CNMG120412MW		●	●	●				●	●			●	●															●	●										
CNMG-P 	CNMG120404P							●	●	●																			●	●										
	CNMG120408P							●	●	●																			●	●										
	CNMG120412P							●	●	●																			●	●										
	CNMG120416P								●	●																			●	●										
	CNMG160608P								●	●																			●	●										
	CNMG160612P								●	●																			●	●										
	CNMG160616P								●	●																			●	●										
	CNMG190612P							●	●	●																			●	●										
	CNMG190616P								●	●																			●	●										
CNMG-RN 	CNMG120408RN		●	●	●	●																																●
	CNMG120412RN		●	●	●	●																																●
	CNMG120416RN		●	●	●	●																																●
	CNMG160608RN		●	●	●	●																																
	CNMG160612RN		●	●	●	●																																●
	CNMG160616RN		●	●	●	●																																●
	CNMG190608RN		●	●	●	●																																
	CNMG190612RN		●	●	●	●																																●
	CNMG190616RN		●	●	●	●																																●
	CNMG190624RN		●	●	●	●																																

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

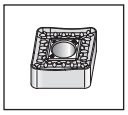


A6-A19

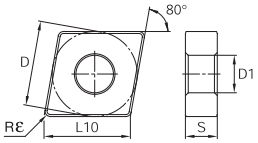


A26-A27


A28-A32


A33-A37

CN..

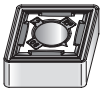
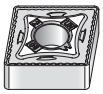
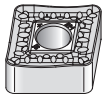


ISO-Katalognummer	ANSI-Katalognummer	D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
		Abmessungen										
CNMG090308MP	CNMG322MP	3/8	9,53	.38	9,67	1/8	3,18	1/32	0,8	.150	3,81	CNMG-MP
CNMG120404MP	CNMG431MP	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	
CNMG120408MP	CNMG432MP	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNMG120412MP	CNMG433MP	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMG120416MP	CNMG434MP	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMG160608MP	CNMG542MP	5/8	15,88	.63	16,12	1/4	6,35	1/32	0,8	.250	6,35	
CNMG160612MP	CNMG543MP	5/8	15,88	.63	16,12	1/4	6,35	3/64	1,2	.250	6,35	
CNMG160616MP	CNMG544MP	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	.250	6,35	
CNMG190608MP	CNMG642MP	3/4	19,05	.76	19,34	1/4	6,35	1/32	0,8	.313	7,93	
CNMG190612MP	CNMG643MP	3/4	19,05	.76	19,34	1/4	6,35	3/64	1,2	.313	7,93	
CNMG190616MP	CNMG644MP	3/4	19,05	.76	19,34	1/4	6,35	1/16	1,6	.313	7,93	
CNMG120401MS	CNMG430MS	1/2	12,70	.51	12,90	3/16	4,76	.004	0,1	.203	5,16	CNMG-MS
CNMG120402MS	CNMG4305MS	1/2	12,70	.51	12,90	3/16	4,76	.008	0,2	.203	5,16	
CNMG120404MS	CNMG431MS	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	
CNMG120408MS	CNMG432MS	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNMG120412MS	CNMG433MS	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMG120416MS	CNMG434MS	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMG160608MS	CNMG542MS	5/8	15,88	.63	16,12	1/4	6,35	1/32	0,8	.250	6,35	
CNMG160612MS	CNMG543MS	5/8	15,88	.63	16,12	1/4	6,35	3/64	1,2	.250	6,35	
CNMG190608MS	CNMG642MS	3/4	19,05	.76	19,34	1/4	6,35	1/32	0,8	.313	7,93	
CNMG190612MS	CNMG643MS	3/4	19,05	.76	19,34	1/4	6,35	3/64	1,2	.313	7,93	
CNMG190616MS	CNMG644MS	3/4	19,05	.76	19,34	1/4	6,35	1/16	1,6	.313	7,93	
CNMG120408MW	CNMG432MW	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	CNMG-MW
CNMG120412MW	CNMG433MW	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMG120404P	CNMG431P	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	CNMG-P
CNMG120408P	CNMG432P	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNMG120412P	CNMG433P	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMG120416P	CNMG434P	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMG160608P	CNMG542P	5/8	15,88	.63	16,12	1/4	6,35	1/32	0,8	.250	6,35	
CNMG160612P	CNMG543P	5/8	15,88	.63	16,12	1/4	6,35	3/64	1,2	.250	6,35	
CNMG160616P	CNMG544P	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	.250	6,35	
CNMG190612P	CNMG643P	3/4	19,05	.76	19,34	1/4	6,35	3/64	1,2	.313	7,93	
CNMG190616P	CNMG644P	3/4	19,05	.76	19,34	1/4	6,35	1/16	1,6	.313	7,93	
CNMG120408RN	CNMG432RN	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	CNMG-RN
CNMG120412RN	CNMG433RN	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMG120416RN	CNMG434RN	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMG160608RN	CNMG542RN	5/8	15,88	.63	16,12	1/4	6,35	1/32	0,8	.250	6,35	
CNMG160612RN	CNMG543RN	5/8	15,88	.63	16,12	1/4	6,35	3/64	1,2	.250	6,35	
CNMG160616RN	CNMG544RN	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	.250	6,35	
CNMG190608RN	CNMG642RN	3/4	19,05	.76	19,34	1/4	6,35	1/32	0,8	.313	7,93	
CNMG190612RN	CNMG643RN	3/4	19,05	.76	19,34	1/4	6,35	3/64	1,2	.313	7,93	
CNMG190616RN	CNMG644RN	3/4	19,05	.76	19,34	1/4	6,35	1/16	1,6	.313	7,93	
CNMG190624RN	CNMG646RN	3/4	19,05	.76	19,34	1/4	6,35	3/32	2,4	.313	7,93	

Bestellbeispiel:
ISO-Katalognummer: CNMG090308MP
Schneidstoffsorte: KC8050

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P					M					K								N				S									H					KENNA UNIVERSAL	
		KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	KT315	KC5010	KC9225	KC9240	KC9245	KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	K313	KC5410	KD1405	KD100	K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	KY4400	KY1615	KB9610	KB5625	KB9640	KU10T	KU30T
CNMG-RP 	CNMG120404RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●										
	CNMG120408RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●										●
	CNMG120412RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●										●
	CNMG120416RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●										●
	CNMG160608RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●										
	CNMG160612RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●										●
	CNMG160616RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●										●
	CNMG190612RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●										●
	CNMG190616RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●										●
CNMG-UN 	CNMG120404UN												●	●																										
	CNMG120408UN												●	●																										
	CNMG120412UN												●	●																										
	CNMG120416UN												●	●																										
	CNMG160608UN												●	●																										
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	CNMG160616UN												●	●																										
	CNMG190608UN												●	●																										
	CNMG190612UN												●	●																										
	CNMG190616UN												●	●																										
CNMM-RH 	CNMM190612RH		●	●	●	●																																
	CNMM190616RH		●	●	●	●																																
	CNMM190624RH		●	●	●	●																																
	CNMM250924RH		●	●	●	●																																
CNMM-RM 	CNMM120408RM		●	●	●																																
	CNMM120412RM		●	●	●																																
	CNMM120416RM		●	●	●																																
	CNMM160612RM		●	●	●																																
	CNMM160616RM		●	●	●																																
	CNMM160624RM		●	●	●																																
	CNMM190612RM		●	●	●																																
	CNMM190616RM		●	●	●																																
	CNMM190624RM		●	●	●																																
	CNMM250924RM		●	●	●																																
CNMM-RP 	CNMM120408RP		●	●					●	●																		●	●										
	CNMM120412RP		●	●					●	●																		●	●										
	CNMM120416RP		●	●					●	●																		●	●										
	CNMM160608RP		●	●					●	●																		●	●										
	CNMM160612RP		●	●					●	●																		●	●										
	CNMM160616RP		●	●					●	●																		●	●										
	CNMM190612RP		●	●					●	●																		●	●										
	CNMM190616RP		●	●					●	●																		●	●										
	CNMM190624RP		●	●					●	●																		●	●										
	CNMM250924RP			●																																			
CNMM-RW 	CNMM190624RW		●	●	●																																	
	CNMM250924RW		●	●	●																																	

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

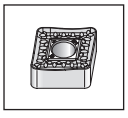


A6-A19

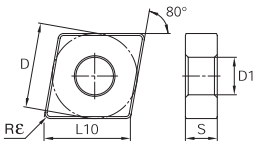


A26-A27


A28-A32


A33-A37

CN..

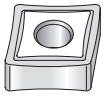
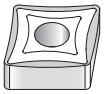
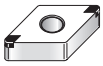
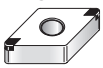
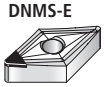


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
CNMG120404RP	CNMG431RP	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	CNMG-RP
CNMG120408RP	CNMG432RP	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNMG120412RP	CNMG433RP	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMG120416RP	CNMG434RP	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMG160608RP	CNMG542RP	5/8	15,88	.63	16,12	1/4	6,35	1/32	0,8	.250	6,35	
CNMG160612RP	CNMG543RP	5/8	15,88	.63	16,12	1/4	6,35	3/64	1,2	.250	6,35	
CNMG160616RP	CNMG544RP	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	.250	6,35	
CNMG190612RP	CNMG643RP	3/4	19,05	.76	19,34	1/4	6,35	3/64	1,2	.313	7,93	
CNMG190616RP	CNMG644RP	3/4	19,05	.76	19,34	1/4	6,35	1/16	1,6	.313	7,93	
CNMG120404UN	CNMG431UN	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	CNMG-UN
CNMG120408UN	CNMG432UN	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNMG120412UN	CNMG433UN	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMG120416UN	CNMG434UN	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMG160608UN	CNMG542UN	5/8	15,88	.63	16,12	1/4	6,35	1/32	0,8	.250	6,35	
CNMG160612UN	CNMG543UN	5/8	15,88	.63	16,12	1/4	6,35	3/64	1,2	.250	6,35	
CNMG160616UN	CNMG544UN	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	.250	6,35	
CNMG190608UN	CNMG642UN	3/4	19,05	.76	19,34	1/4	6,35	1/32	0,8	.313	7,93	
CNMG190612UN	CNMG643UN	3/4	19,05	.76	19,34	1/4	6,35	3/64	1,2	.313	7,93	
CNMG190616UN	CNMG644UN	3/4	19,05	.76	19,34	1/4	6,35	1/16	1,6	.313	7,93	
CNMM190612RH	CNMM643RH	3/4	19,05	.76	19,34	1/4	6,35	3/64	1,2	.313	7,93	CNMM-RH
CNMM190616RH	CNMM644RH	3/4	19,05	.76	19,34	1/4	6,35	1/16	1,6	.313	7,93	
CNMM190624RH	CNMM646RH	3/4	19,05	.76	19,34	1/4	6,35	3/32	2,4	.313	7,93	
CNMM250924RH	CNMM866RH	1	25,40	1.02	25,79	3/8	9,53	3/32	2,4	.359	9,12	
CNMM120408RM	CNMM432RM	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	CNMM-RM
CNMM120412RM	CNMM433RM	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMM120416RM	CNMM434RM	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMM160612RM	CNMM543RM	5/8	15,88	.63	16,12	1/4	6,35	3/64	1,2	.250	6,35	
CNMM160616RM	CNMM544RM	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	.250	6,35	
CNMM160624RM	CNMM546RM	5/8	15,88	.63	16,12	1/4	6,35	3/32	2,4	.250	6,35	
CNMM190612RM	CNMM643RM	3/4	19,05	.76	19,34	1/4	6,35	3/64	1,2	.313	7,93	
CNMM190616RM	CNMM644RM	3/4	19,05	.76	19,34	1/4	6,35	1/16	1,6	.313	7,93	
CNMM190624RM	CNMM646RM	3/4	19,05	.76	19,34	1/4	6,35	3/32	2,4	.313	7,93	
CNMM250924RM	CNMM866RM	1	25,40	1.02	25,79	3/8	9,53	3/32	2,4	.359	9,12	
CNMM120408RP	CNMM432RP	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	CNMM-RP
CNMM120412RP	CNMM433RP	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMM120416RP	CNMM434RP	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	.203	5,16	
CNMM160608RP	CNMM542RP	5/8	15,88	.63	16,12	1/4	6,35	1/32	0,8	.250	6,35	
CNMM160612RP	CNMM543RP	5/8	15,88	.63	16,12	1/4	6,35	3/64	1,2	.250	6,35	
CNMM160616RP	CNMM544RP	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	.250	6,35	
CNMM190612RP	CNMM643RP	3/4	19,05	.76	19,34	1/4	6,35	3/64	1,2	.313	7,94	
CNMM190616RP	CNMM644RP	3/4	19,05	.76	19,34	1/4	6,35	1/16	1,6	.313	7,93	
CNMM190624RP	CNMM646RP	3/4	19,05	.76	19,34	1/4	6,35	3/32	2,4	.313	7,93	
CNMM250924RP	CNMM866RP	1	25,40	1.02	25,79	3/8	9,53	3/32	2,4	.359	9,13	
CNMM190624RW	CNMM646RW	3/4	19,05	.76	19,34	1/4	6,35	3/32	2,4	.313	7,93	CNMM-RW
CNMM250924RW	CNMM866RW	1	25,40	1.02	25,79	3/8	9,53	3/32	2,4	.359	9,12	

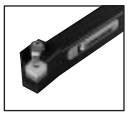
Bestellbeispiel:
ISO-Katalognummer: CNMG120404RP
Schneidstoffsorte: KC9110

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	M: KT315	KC5010	KC9225	KC9240	KC9245	K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
CNMP 	CNMP160612																					●																			
	CNMP190612																					●																			
CNMP-K 	CNMP120404K		●	●																																				
	CNMP120408K		●	●																																				
	CNMP120412K		●	●																																				
CNMS 	CNMS120408																					●				●															
	CNMS160608																					●				●															
	CNMS190608																					●				●															
	CNMS190612																									●															
DNGA 	DNGA150404E																						●																	
	DNGA150408																		●				●	●											●						
	DNGA150408E																		●				●												●						
	DNGA150408S01020																		●																●						
	DNGA150408S02020																		●																●						
	DNGA150412																							●																
	DNGA150412S01020																		●																●						
	DNGA150412S02020																		●																●						
DNGA-FW/ MW MT 	DNGA150404EFWMT																																			●	●			
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	DNGA150404S01025MT																																				●			
	DNGA150408EMT																																			●	●			
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	DNGA150412S01025MT																																				●			
	DNGA150608S01020MT																																			●				
DNMS-E 	DNMS150408E																						●																	

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236

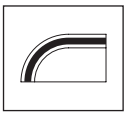

A240-A244

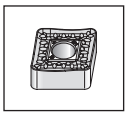


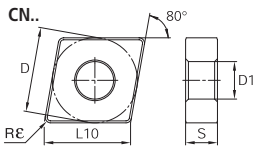
A6-A19

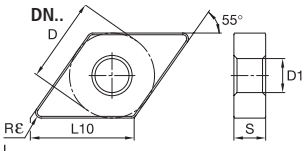


A26-A27


A28-A32


A33-A37



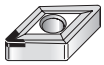
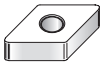
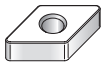


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
CNMP160612	CNMP543	5/8	15,88	.63	16,12	1/4	6,35	3/64	1,2	.250	6,35	CNMP
CNMP190612	CNMP643	3/4	19,05	.76	19,34	1/4	6,35	3/64	1,2	.313	7,93	
CNMP120404K	CNMP431K	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	.203	5,16	CNMP-K
CNMP120408K	CNMP432K	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	
CNMP120412K	CNMP433K	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	.203	5,16	
CNMS120408	CNMS432	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	.203	5,16	CNMS
CNMS160608	CNMS542	5/8	15,88	.63	16,12	1/4	6,35	1/32	0,8	.250	6,35	
CNMS190608	CNMS642	3/4	19,05	.76	19,34	1/4	6,35	1/32	0,8	.313	7,93	
CNMS190612	CNMS643	3/4	19,05	.76	19,34	1/4	6,35	3/64	1,2	.313	7,93	
DNGA150404E	DNGA431E	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	DNGA
DNGA150408	DNGA432	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGA150408E	DNGA432E	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGA150408S01020	DNGA432S0420	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGA150408S02020	DNGA432S0820	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGA150412	DNGA433	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGA150412S01020	DNGA433S0420	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGA150412S02020	DNGA433S0820	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGA150404EFWMT	DNGA431EFWMT	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	DNGA-FW/ MW MT
DNGA150404S01020FWMT	DNGA431S0420FWMT	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNGA150408EFWMT	DNGA432EFWMT	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGA150408S01020FWMT	DNGA432S0420FWMT	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGA150408S01020MWMT	DNGA432S0420MWMT	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGA150412EFWMT	DNGA433EFWMT	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGA150412S01020FWMT	DNGA433S0420FWMT	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGA150412S01020MWMT	DNGA433S0420MWMT	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGA150608S01020FWMT	DNGA442S0420FWMT	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNGA150608S01020MWMT	DNGA442S0420MWMT	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNGA150404EMT	DNGA431EMT	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	DNGA-MT
DNGA150404S01020MT	DNGA431S0420MT	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNGA150404S01025MT	DNGA431S0425MT	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNGA150408EMT	DNGA432EMT	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGA150408S01020MT	DNGA432S0420MT	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGA150408S01025MT	DNGA432S0425MT	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGA150412EMT	DNGA433EMT	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGA150412S01020MT	DNGA433S0420MT	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGA150412S01025MT	DNGA433S0425MT	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGA150608S01020MT	DNGA442S0420MT	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMS150408E	DNMS432E	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	DNMS-E

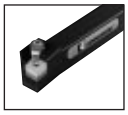
Bestellbeispiel:
ISO-Katalognummer: CNMP160612
Schneidstoffsorte: KC5410

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	M: KT315	KC5010	KC9225	KC9240	KC9245	K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
DNMS-F 	DNMS150408F																							●																	
DNGA-FW 	DNGA150404EFW														●																				●						
	DNGA150408EFW														●																				●						
	DNGA150412EFW														●																				●						
DNGA 	DNGA150404E														●																				●						
	DNGA150404T01020														●																				●						
	DNGA150404T02020																																			●						
	DNGA150408E														●																				●						
	DNGA150408T01020														●																		●		●						
	DNGA150408T02020															●	●	●																		●						
	DNGA150412E														●																				●						
	DNGA150412T01020														●																		●		●						
	DNGA150412T02020															●	●	●																		●						
	DNGA150416T01020														●																				●						
	DNGA150416T02020															●	●	●																		●						
	DNGA150604T02020															●	●	●																		●						
	DNGA150608T01020														●																				●						
	DNGA150608T02020																	●																		●						
	DNGA150612T01020														●																				●						
	DNGA150612T02020																	●																		●						
	DNGA150616T01020														●																				●						
	DNGA150616T02020																	●																								
	DNGA190608T02020																																			●						
	DNGA190612T02020																																			●						
	DNGA190616E																																●									
	DNGA190616T02020																																			●						
DNGG-FS 	DNGG110401FS																				●				●		●	●													
	DNGG110402FS																				●				●		●	●													
	DNGG110404FS																				●				●		●	●													
	DNGG110408FS																				●				●		●	●													
	DNGG150401FS																				●				●		●	●													
	DNGG150402FS																				●				●		●	●													
	DNGG150404FS																				●				●		●	●													
	DNGG150408FS																				●				●		●	●													
	DNGG150412FS																				●				●		●	●													
	DNGG150416FS																				●				●		●	●													
	DNGG150604FS																				●				●		●	●													
	DNGG150608FS																				●				●		●	●													
DNGG-LF 	DNGG150402LF							●													●				●															
	DNGG150404LF							●													●				●															
	DNGG150408LF							●													●				●															

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

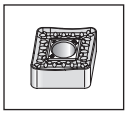


A6-A19

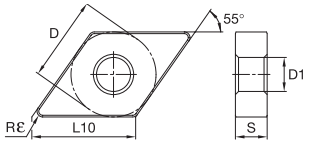


A26-A27


A28-A32


A33-A37

DN..

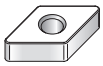
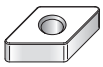
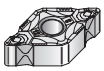


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
DNMS150408F	DNMS432F	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	DNMS-F
DNGA150404EFW	DNGA431FW	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	DNGA-FW
DNGA150408EFW	DNGA432FW	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGA150412EFW	DNGA433FW	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGA150404E	DNGA431	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	DNGA
DNGA150404T01020	DNGA431T0420	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNGA150404T02020	DNGA431T0820	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNGA150408E	DNGA432	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGA150408T01020	DNGA432T0420	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGA150408T02020	DNGA432T0820	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGA150412E	DNGA433	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGA150412T01020	DNGA433T0420	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGA150412T02020	DNGA433T0820	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGA150416T01020	DNGA434T0420	1/2	12,70	.61	15,50	3/16	4,76	1/16	1,6	.203	5,16	
DNGA150416T02020	DNGA434T0820	1/2	12,70	.61	15,50	3/16	4,76	1/16	1,6	.203	5,16	
DNGA150604T02020	DNGA441T0820	1/2	12,70	.61	15,50	1/4	6,35	1/64	0,4	.203	5,16	
DNGA150608T01020	DNGA442T0420	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNGA150608T02020	DNGA442T0820	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNGA150612T01020	DNGA443T0420	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNGA150612T02020	DNGA443T0820	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNGA150616T01020	DNGA444T0420	1/2	12,70	.61	15,50	1/4	6,35	1/16	1,6	.203	5,16	
DNGA150616T02020	DNGA444T0820	1/2	12,70	.61	15,50	1/4	6,35	1/16	1,6	.203	5,16	
DNGA190608T02020	DNGA542T0820	5/8	15,88	.76	19,38	1/4	6,35	1/32	0,8	.250	6,35	
DNGA190612T02020	DNGA543T0820	5/8	15,88	.76	19,38	1/4	6,35	3/64	1,2	.250	6,35	
DNGA190616E	DNGA544	5/8	15,88	.76	19,38	1/4	6,35	1/16	1,6	.250	6,35	
DNGA190616T02020	DNGA544T0820	5/8	15,88	.76	19,38	1/4	6,35	1/16	1,6	.250	6,35	
DNGG110401FS	DNGG330FS	3/8	9,52	.46	11,63	3/16	4,76	.004	0,1	.150	3,81	DNGG-FS
DNGG110402FS	DNGG3305FS	3/8	9,52	.46	11,63	3/16	4,76	.008	0,2	.150	3,81	
DNGG110404FS	DNGG331FS	3/8	9,52	.46	11,63	3/16	4,76	1/64	0,4	.150	3,81	
DNGG110408FS	DNGG332FS	3/8	9,52	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	
DNGG150401FS	DNGG430FS	1/2	12,70	.61	15,50	3/16	4,76	.004	0,1	.203	5,16	
DNGG150402FS	DNGG4305FS	1/2	12,70	.61	15,50	3/16	4,76	.008	0,2	.203	5,16	
DNGG150404FS	DNGG431FS	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNGG150408FS	DNGG432FS	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGG150412FS	DNGG433FS	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGG150416FS	DNGG434FS	1/2	12,70	.61	15,50	3/16	4,76	1/16	1,6	.203	5,16	
DNGG150604FS	DNGG441FS	1/2	12,70	.61	15,50	1/2	6,35	1/64	0,4	.203	5,16	
DNGG150608FS	DNGG442FS	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNGG150402LF	DNGG4305LF	1/2	12,70	.61	15,50	3/16	4,76	.008	0,2	.203	5,16	DNGG-LF
DNGG150404LF	DNGG431LF	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNGG150408LF	DNGG432LF	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	

Bestellbeispiel:
ISO-Katalognummer **DNMS150408F**
Schneidstoffsorte: **KD100**

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	KENNA PERFECT M: KT315	KC5010	KC9225	KC9240	KC9245	KENNA PERFECT K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	KENNA PERFECT N: K313	KC5410	KD1405	KD100	KENNA PERFECT S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	KENNA PERFECT H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
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	DNGP150402							●														●																		
	DNGP150404							●													●	●			●															
	DNGP150408							●													●	●			●															
	DNGP150412																				●	●			●															
	DNGP150604							●													●	●			●															
	DNGP150608							●													●	●			●															
	DNGP150612																				●	●			●															
DNMA 	DNMA110408												●	●																										
	DNMA110408S02020																			●																			●		
	DNMA110412												●	●																									●		
	DNMA110412S02020																			●																			●		
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	DNMA150612T02020																	●																						
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	DNMA150608												●	●																											
	DNMA150612												●	●																											
	DNMA150612T02020																	●																						
	DNMA150616												●	●																											
DNMA-MW 	DNMA110408S02020MW																			●																			●		
	DNMA110412S02020MW																			●																			●		
DNMG-CT 	DNMG110404CT		●	●				●	●	●			●																●	●										
	DNMG110408CT		●	●				●	●	●			●																●	●										
	DNMG150404CT		●	●				●	●	●			●																●	●										
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	DNMG150412CT		●	●				●	●	●			●																●	●										
	DNMG150604CT		●	●				●	●	●			●																●	●										
	DNMG150608CT		●	●				●	●	●			●																●	●										
	DNMG150612CT		●	●				●	●	●			●																●	●										
DNMG-FF 	DNMG110404FF	●	●				●	●	●			●																●											
	DNMG110408FF	●	●				●	●	●			●																●											
	DNMG150404FF	●	●				●	●	●			●																●											
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	DNMG150604FF	●	●				●	●	●			●																●											
	DNMG150608FF	●	●				●	●	●			●																●											
DNMG-FN 	DNMG110404FN	●	●	●			●					●	●																											
	DNMG110408FN	●	●	●			●					●	●																											
	DNMG110412FN	●	●	●			●					●	●																											
	DNMG150404FN	●	●	●			●					●	●																											
	DNMG150408FN	●	●	●			●					●	●																											
	DNMG150412FN	●	●	●			●					●	●																											
	DNMG150604FN	●	●	●			●					●	●																											
	DNMG150608FN	●	●	●			●					●	●																											
	DNMG150612FN	●	●	●			●					●	●																											

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

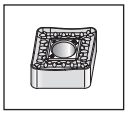


A6-A19

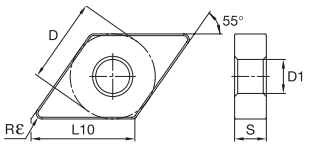


A26-A27


A28-A32


A33-A37

DN..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
DNGP150401	DNGP430	1/2	12,70	.61	15,50	3/16	4,76	.004	0,1	.203	5,16	DNGP
DNGP150402	DNGP4305	1/2	12,70	.61	15,50	3/16	4,76	.008	0,2	.203	5,16	
DNGP150404	DNGP431	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNGP150408	DNGP432	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNGP150412	DNGP433	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNGP150604	DNGP441	1/2	12,70	.61	15,50	1/4	6,35	1/64	0,4	.203	5,16	
DNGP150608	DNGP442	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNGP150612	DNGP443	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMA110408	DNMA332	3/8	9,53	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	DNMA
DNMA110408S02020	DNMA332S0820	3/8	9,53	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	
DNMA110412	DNMA333	3/8	9,53	.46	11,63	3/16	4,76	3/64	1,2	.150	3,81	
DNMA110412S02020	DNMA333S0820	3/8	9,53	.46	11,63	3/16	4,76	3/64	1,2	.150	3,81	
DNMA150408	DNMA432	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNMA150408T02020	DNMA432T0820	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNMA150412	DNMA433	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNMA150612T02020	DNMA443T0820	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMA150416	DNMA434	1/2	12,70	.61	15,50	3/16	4,76	1/16	1,6	.203	5,16	
DNMA150608	DNMA442	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMA150612	DNMA443	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMA150612T02020	DNMA443T0820	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMA150616	DNMA444	1/2	12,70	.61	15,50	1/4	6,35	1/16	1,6	.203	5,16	
DNMA110408S02020MW	DNMA332S0820MW	3/8	9,53	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	DNMA-MW
DNMA110412S02020MW	DNMA333S0820MW	3/8	9,53	.46	11,63	3/16	4,76	3/64	1,2	.150	3,81	
DNMG110404CT	DNMG331CT	3/8	9,53	.46	11,63	3/16	4,76	1/64	0,4	.150	3,81	DNMG-CT
DNMG110408CT	DNMG332CT	3/8	9,53	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	
DNMG150404CT	DNMG431CT	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNMG150408CT	DNMG432CT	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNMG150412CT	DNMG433CT	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNMG150604CT	DNMG441CT	1/2	12,70	.61	15,50	1/4	6,35	1/64	0,4	.203	5,16	
DNMG150608CT	DNMG442CT	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMG150612CT	DNMG443CT	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMG110404FF	DNMG331FF	3/8	9,53	.46	11,63	3/16	4,76	1/64	0,4	.150	3,81	DNMG-FF
DNMG110408FF	DNMG332FF	3/8	9,53	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	
DNMG150404FF	DNMG431FF	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNMG150408FF	DNMG432FF	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNMG150604FF	DNMG441FF	1/2	12,70	.61	15,50	1/4	6,35	1/64	0,4	.203	5,16	
DNMG150608FF	DNMG442FF	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMG110404FN	DNMG331FN	3/8	9,53	.46	11,63	3/16	4,76	1/64	0,4	.150	3,81	DNMG-FN
DNMG110408FN	DNMG332FN	3/8	9,53	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	
DNMG110412FN	DNMG333FN	3/8	9,53	.46	11,63	3/16	4,76	3/64	1,2	.150	3,81	
DNMG150404FN	DNMG431FN	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNMG150408FN	DNMG432FN	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNMG150412FN	DNMG433FN	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNMG150604FN	DNMG441FN	1/2	12,70	.61	15,50	1/4	6,35	1/64	0,4	.203	5,16	
DNMG150608FN	DNMG442FN	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMG150612FN	DNMG443FN	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	

Bestellbeispiel:
ISO-Katalognummer: DNGP150401
Schneidstoffsorte: KC5010

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P KT315	P KC9110	P KC9125	P KC8050	P KC9040/KC9140*	M KT315	M KC5010	M KC9225	M KC9240	M KC9245	K KT315	K KC9315	K KC9325	K KY4400	K KY1310	K KY3400	K KY3500	K KD120	K KB9640	N K313	N KC5410	N KD1405	N KD100	S K313	S K68	S KC5510	S KC5525	S KC9225	S KC9240	S KC9245	S KY2100	S KY1540	S KD120	H KY4400	H KY1615	H KB9610	H KB5625	H KB9640	KENNA UNIVERSAL KU10T	KU30T
DNMG-FP	DNMG110404FP	●			●		●	●	●			●																●											●	
	DNMG110408FP	●			●		●	●	●			●																●											●	
	DNMG150404FP	●			●		●	●	●			●																●											●	
	DNMG150408FP	●			●		●	●	●			●																●											●	
	DNMG150412FP	●			●		●	●	●			●																●												
	DNMG150604FP	●			●		●	●	●			●																●											●	
	DNMG150608FP	●			●		●	●	●			●																●											●	
	DNMG150612FP	●			●		●	●	●			●																●												
DNMG-FW	DNMG110404FW	●	●				●	●	●			●	●																●												
	DNMG110408FW	●	●				●	●	●			●	●																●												
	DNMG150404FW	●	●				●	●	●			●	●																●												
	DNMG150408FW	●	●				●	●	●			●	●																●												
	DNMG150604FW	●	●				●	●	●			●	●																●												
	DNMG150608FW	●	●				●	●	●			●	●																●												
DNMG-MN	DNMG110404MN		●	●	●	●																																	●
	DNMG110408MN		●	●	●	●																																	●
	DNMG110412MN		●	●	●	●																																	●
	DNMG150404MN		●	●	●	●																																	●
	DNMG150408MN		●	●	●	●																																	●
	DNMG150412MN		●	●	●	●																																	●
	DNMG150416MN		●	●	●	●																																	
	DNMG150604MN		●	●	●	●																																	●
	DNMG150608MN		●	●	●	●																																	●
	DNMG150612MN		●	●	●	●																																	●
	DNMG150616MN		●	●	●	●																																	
	DNMG190612MN		●		●																																	
DNMG-MP	DNMG110408MP				●			●	●	●	●																		●	●	●									●	●
	DNMG110412MP				●			●	●	●	●																		●	●	●									●	●
	DNMG150404MP				●			●	●	●	●																		●	●	●									●	●
	DNMG150408MP				●			●	●	●	●																		●	●	●									●	●
	DNMG150412MP				●			●	●	●	●																		●	●	●									●	●
	DNMG150604MP				●			●	●	●	●																		●	●	●									●	●
	DNMG150608MP				●			●	●	●	●																		●	●	●									●	●
	DNMG150612MP				●			●	●	●	●																		●	●	●									●	●
DNMG-MS	DNMG110408MS																				●				●		●	●											
	DNMG110412MS																				●				●		●	●											
	DNMG150401MS																				●				●		●	●											
	DNMG150402MS																				●				●		●	●											
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	DNMG150412MS																				●				●		●	●											
	DNMG150604MS																				●				●		●	●											
	DNMG150608MS																				●				●		●	●											
	DNMG150612MS																				●				●		●	●											
DNMG-MW	DNMG150408MW		●	●	●				●	●			●	●															●	●									
	DNMG150412MW		●	●	●				●	●			●	●															●	●									
	DNMG150608MW		●	●	●				●	●			●	●															●	●									
	DNMG150612MW		●	●	●				●	●			●	●															●	●									

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

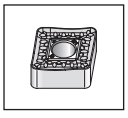


A6-A19

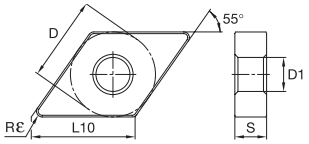


A26-A27


A28-A32


A33-A37

DN..

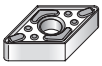
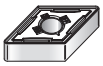
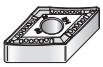


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
DNMG110404FP	DNMG331FP	3/8	9,53	.46	11,63	3/16	4,76	1/64	0,4	.150	3,81	DNMG-FP
DNMG110408FP	DNMG332FP	3/8	9,53	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	
DNMG150404FP	DNMG431FP	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNMG150408FP	DNMG432FP	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNMG150412FP	DNMG433FP	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNMG150604FP	DNMG441FP	1/2	12,70	.61	15,50	1/4	6,35	1/64	0,4	.203	5,16	
DNMG150608FP	DNMG442FP	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMG150612FP	DNMG443FP	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMG110404FW	DNMG331FW	3/8	9,53	.46	11,63	3/16	4,76	1/64	0,4	.150	3,81	DNMG-FW
DNMG110408FW	DNMG332FW	3/8	9,53	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	
DNMG150404FW	DNMG431FW	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNMG150408FW	DNMG432FW	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNMG150604FW	DNMG441FW	1/2	12,70	.61	15,50	1/4	6,35	1/64	0,4	.203	5,16	
DNMG150608FW	DNMG442FW	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMG110404MN	DNMG331MN	3/8	9,53	.46	11,63	3/16	4,76	1/64	0,4	.150	3,81	DNMG-MN
DNMG110408MN	DNMG332MN	3/8	9,53	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	
DNMG110412MN	DNMG333MN	3/8	9,53	.46	11,63	3/16	4,76	3/64	1,2	.150	3,81	
DNMG150404MN	DNMG431MN	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNMG150408MN	DNMG432MN	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNMG150412MN	DNMG433MN	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNMG150416MN	DNMG434MN	1/2	12,70	.61	15,50	3/16	4,76	1/16	1,6	.203	5,16	
DNMG150604MN	DNMG441MN	1/2	12,70	.61	15,50	1/4	6,35	1/64	0,4	.203	5,16	
DNMG150608MN	DNMG442MN	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMG150612MN	DNMG443MN	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMG150616MN	DNMG444MN	1/2	12,70	.61	15,50	1/4	6,35	1/16	1,6	.203	5,16	
DNMG190612MN	DNMG543MN	5/8	15,88	.76	19,38	1/4	6,35	3/64	1,2	.250	6,35	
DNMG110408MP	DNMG332MP	3/8	9,53	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	DNMG-MP
DNMG110412MP	DNMG333MP	3/8	9,53	.46	11,63	3/16	4,76	3/64	1,2	.150	3,81	
DNMG150404MP	DNMG431MP	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNMG150408MP	DNMG432MP	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNMG150412MP	DNMG433MP	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNMG150604MP	DNMG441MP	1/2	12,70	.61	15,50	1/4	6,35	1/64	0,4	.203	5,16	
DNMG150608MP	DNMG442MP	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMG150612MP	DNMG443MP	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMG110408MS	DNMG332MS	3/8	9,53	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	DNMG-MS
DNMG110412MS	DNMG333MS	3/8	9,53	.46	11,63	3/16	4,76	3/64	1,2	.150	3,81	
DNMG150401MS	DNMG430MS	1/2	12,70	.61	15,50	3/16	4,76	.004	0,1	.203	5,16	
DNMG150402MS	DNMG4305MS	1/2	12,70	.61	15,50	3/16	4,76	.008	0,2	.203	5,16	
DNMG150404MS	DNMG431MS	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNMG150408MS	DNMG432MS	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNMG150412MS	DNMG433MS	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNMG150604MS	DNMG441MS	1/2	12,70	.61	15,50	1/4	6,35	1/64	0,4	.203	5,16	
DNMG150608MS	DNMG442MS	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMG150612MS	DNMG443MS	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMG150408MW	DNMG432MW	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	DNMG-MW
DNMG150412MW	DNMG433MW	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNMG150608MW	DNMG442MW	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMG150612MW	DNMG443MW	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	

Bestellbeispiel:
ISO-Katalognummer: DNMG110404FP
Schneidstoffsorte: KT315

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	M: KT315	KC5010	KC9225	KC9240	KC9245	K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
DNMG-P 	**DNMG150404P**							●	●	●																		●	●											
	DNMG150408P							●	●	●																		●	●											
	DNMG150604P							●	●	●																		●	●											
	DNMG150608P							●	●	●																		●	●											
	DNMG150612P									●																			●											
DNMG-RN 	**DNMG150408RN**		●	●	●	●																																	●
	DNMG150412RN		●	●	●	●																																	
	DNMG150416RN		●	●	●	●																																	
	DNMG150608RN		●	●	●	●																																	●
	DNMG150612RN		●	●	●	●																																	
	DNMG150616RN		●	●	●	●																																	
	DNMG190608RN		●		●																																	●
	DNMG190612RN		●		●																																	
DNMG-RP 	**DNMG110408RP**		●	●	●			●	●	●			●	●												●	●	●	●										●
	DNMG110412RP		●	●	●			●	●	●			●	●												●	●	●	●										●
	DNMG150408RP		●	●	●			●	●	●	●		●	●												●	●	●	●	●									●
	DNMG150412RP		●	●	●			●	●	●	●		●	●												●	●	●	●	●									●
	DNMG150416RP		●	●	●			●	●	●	●		●	●												●	●	●	●	●									●
	DNMG150608RP		●	●	●			●	●	●	●		●	●												●	●	●	●	●									●
	DNMG150612RP		●	●	●			●	●	●	●		●	●												●	●	●	●	●									●
	DNMG150616RP		●	●	●			●	●	●	●		●	●												●	●	●	●	●									●
DNMG-UN 	**DNMG110408UN**												●	●																									
	DNMG110412UN												●	●																									
	DNMG150408UN												●	●																									
	DNMG150412UN												●	●																									
	DNMG150416UN												●	●																									
	DNMG150608UN												●	●																									
	DNMG150612UN												●	●																									
	DNMG150616UN												●	●																									
DNMM-RM 	**DNMM150408RM**		●	●	●																																	
	DNMM150412RM		●	●	●																																	
	DNMM150416RM		●	●	●																																	
	DNMM150608RM		●	●	●																																	
	DNMM150612RM		●	●	●																																	
	DNMM150616RM		●	●	●																																	
DNMM-RP 	**DNMM150608RP**		●	●					●	●																			●	●									
	DNMM150612RP		●	●					●	●																			●	●									
	DNMM150616RP		●	●					●	●																			●	●									
DNMP-K	**DNMP110404K**		●	●																																	
	DNMP110408K		●	●																																	
	DNMP110412K		●	●																																	
	DNMP150404K		●	●																																	
	DNMP150408K		●	●																																	
	DNMP150412K		●	●																																	
	DNMP150604K		●	●																																	
	DNMP150608K		●	●																																	
	DNMP150612K		●	●																																	

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

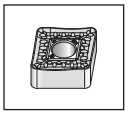


A6-A19

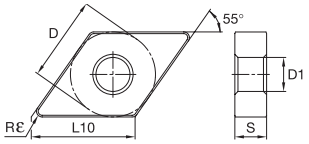


A26-A27


A28-A32


A33-A37

DN..

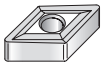
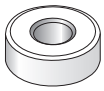


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	RE Zoll	RE mm	D1 Zoll	D1 mm	
DNMG150404P	DNMG431P	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	DNMG-P
DNMG150408P	DNMG432P	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNMG150604P	DNMG441P	1/2	12,70	.61	15,50	1/4	6,35	1/64	0,4	.203	5,16	
DNMG150608P	DNMG442P	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMG150612P	DNMG443P	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMG150408RN	DNMG432RN	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	DNMG-RN
DNMG150412RN	DNMG433RN	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNMG150416RN	DNMG434RN	1/2	12,70	.61	15,50	3/16	4,76	1/16	1,6	.203	5,16	
DNMG150608RN	DNMG442RN	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMG150612RN	DNMG443RN	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMG150616RN	DNMG444RN	1/2	12,70	.61	15,50	1/4	6,35	1/16	1,6	.203	5,16	
DNMG190608RN	DNMG542RN	5/8	15,88	.76	19,38	1/4	6,35	1/32	0,8	.250	6,35	
DNMG190612RN	DNMG543RN	5/8	15,88	.76	19,38	1/4	6,35	3/64	1,2	.250	6,35	
DNMG110408RP	DNMG332RP	3/8	9,53	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	DNMG-RP
DNMG110412RP	DNMG333RP	3/8	9,53	.46	11,63	3/16	4,76	3/64	1,2	.150	3,81	
DNMG150408RP	DNMG432RP	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNMG150412RP	DNMG433RP	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNMG150416RP	DNMG434RP	1/2	12,70	.61	15,50	3/16	4,76	1/16	1,6	.203	5,16	
DNMG150608RP	DNMG442RP	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMG150612RP	DNMG443RP	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMG150616RP	DNMG444RP	1/2	12,70	.61	15,50	1/4	6,35	1/16	1,6	.203	5,16	
DNMG110408UN	DNMG332UN	3/8	9,53	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	DNMG-UN
DNMG110412UN	DNMG333UN	3/8	9,53	.46	11,63	3/16	4,76	3/64	1,2	.150	3,81	
DNMG150408UN	DNMG432UN	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNMG150412UN	DNMG433UN	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNMG150416UN	DNMG434UN	1/2	12,70	.61	15,50	3/16	4,76	1/16	1,6	.203	5,16	
DNMG150608UN	DNMG442UN	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMG150612UN	DNMG443UN	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMG150616UN	DNMG444UN	1/2	12,70	.61	15,50	1/4	6,35	1/16	1,6	.203	5,16	
DNMM150408RM	DNMM432RM	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	DNMM-RM
DNMM150412RM	DNMM433RM	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNMM150416RM	DNMM434RM	1/2	12,70	.61	15,50	3/16	4,76	1/16	1,6	.203	5,16	
DNMM150608RM	DNMM442RM	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMM150612RM	DNMM443RM	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMM150616RM	DNMM444RM	1/2	12,70	.61	15,50	1/4	6,35	1/16	1,6	.203	5,16	
DNMM150608RP	DNMM442RP	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	DNMM-RP
DNMM150612RP	DNMM443RP	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	
DNMM150616RP	DNMM444RP	1/2	12,70	.61	15,50	1/4	6,35	1/16	1,6	.203	5,16	
DNMP110404K	DNMP331K	3/8	9,53	.46	11,63	3/16	4,76	1/64	0,4	.150	3,81	DNMP-K
DNMP110408K	DNMP332K	3/8	9,53	.46	11,63	3/16	4,76	1/32	0,8	.150	3,81	
DNMP110412K	DNMP333K	3/8	9,53	.46	11,63	3/16	4,76	3/64	1,2	.150	3,81	
DNMP150404K	DNMP431K	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	.203	5,16	
DNMP150408K	DNMP432K	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	
DNMP150412K	DNMP433K	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	.203	5,16	
DNMP150604K	DNMP441K	1/2	12,70	.61	15,50	1/4	6,35	1/64	0,4	.203	5,16	
DNMP150608K	DNMP442K	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	.203	5,16	
DNMP150612K	DNMP443K	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	.203	5,16	

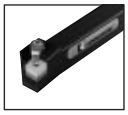
Bestellbeispiel:
ISO-Katalognummer: DNMG150404P
Schneidstoffsorte: KC5010

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	M: KT315	KC5010	KC9225	KC9240	KC9245	K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
DNMS 	DNMS150408																					●				●															
	DNMS190608																					●																			
RNGA 	RNGA090300T02020																																		●						
	RNGA120400T02020																																		●						
RNMA 	RNMA120400												●	●						●																		●			
	RNMA120400E																			●																			●			
	RNMA120400S02020																			●																			●			
	RNMA250400S02020																			●																			●			
RNMG-RN 	RNMG090300RN		●	●	●								●	●																										●	
	RNMG120400RN		●	●	●								●	●																											●	
	RNMG150600RN		●	●	●								●	●																												
	RNMG190600RN		●	●	●								●	●																												
	RNMG250900RN		●	●	●								●	●																												
RNMG-UN 	RNMG120400UN												●	●																												
SNGA 	SNGA120408S02020																		●															●							
	SNGA120412S02020																		●															●							
	SNGA120416S02020																		●															●							
SNGA-FW/ MW MT 	SNGA120404EFWMT																																			●				
	SNGA120404S01020FWMT																																			●				
	SNGA120408EFWMT																																			●				
	SNGA120408S01020FWMT																																			●				
	SNGA120412EFWMT																																			●				
	SNGA120412S01020FWMT																																			●				

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

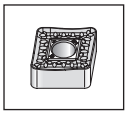


A6-A19

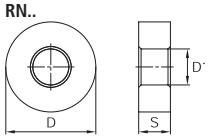


A26-A27

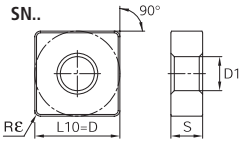

A28-A32

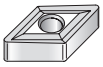
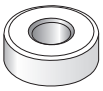
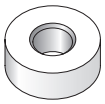
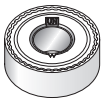

A33-A37

RN..



SN..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
DNMS150408	DNMS432	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	.203	5,16	DNMS
DNMS190608	DNMS542	5/8	15,88	.76	19,38	1/4	6,35	1/32	0,8	.250	6,35	
RNGA090300T02020	RNGA32T0820	3/8	9,53	-	-	1/8	3,18	-	-	.150	3,81	RNGA
RNGA120400T02020	RNGA43T0820	1/2	12,70	-	-	3/16	4,76	-	-	.203	5,16	
RNMA120400	RNMA43	1/2	12,70	-	-	3/16	4,76	-	-	.203	5,16	RNMA
RNMA120400E	RNMA43E	1/2	12,70	-	-	3/16	4,76	-	-	.203	5,16	
RNMA120400S02020	RNMA43S0820	1/2	12,70	-	-	3/16	4,76	-	-	.203	5,16	
RNMA250400S02020	RNMA83S0820	1	25,40	-	-	3/16	4,76	-	-	.359	9,12	
RNMG090300RN	RNMG32RN	3/8	9,53	-	-	1/8	3,18	-	-	.150	3,81	RNMG-RN
RNMG120400RN	RNMG43RN	1/2	12,70	-	-	3/16	4,76	-	-	.203	5,16	
RNMG150600RN	RNMG54RN	5/8	15,88	-	-	1/4	6,35	-	-	.250	6,35	
RNMG190600RN	RNMG64RN	3/4	19,05	-	-	1/4	6,35	-	-	.313	7,93	
RNMG250900RN	RNMG86RN	1	25,40	-	-	3/8	9,53	-	-	.359	9,12	
RNMG120400UN	RNMG43UN	1/2	12,70	-	-	3/16	4,76	-	-	.203	5,16	RNMG-UN
												
SNGA120408S02020	SNGA432S0820	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNGA
SNGA120412S02020	SNGA433S0820	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNGA120416S02020	SNGA434S0820	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	.203	5,16	
SNGA120404EFWMT	SNGA431EFWMT	1/2	12,70	.50	12,70	3/16	4,76	1/64	0,4	.203	5,16	SNGA-FW/ MW MT
SNGA120404S01020FWMT	SNGA431S0420FWMT	1/2	12,70	.50	12,70	3/16	4,76	1/64	0,4	.203	5,16	
SNGA120408EFWMT	SNGA432EFWMT	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNGA120408S01020FWMT	SNGA432S0420FWMT	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNGA120412EFWMT	SNGA433EFWMT	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNGA120412S01020FWMT	SNGA433S0420FWMT	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	

Bestellbeispiel:
ISO-Katalognummer: DNMS150408
Schneidstoffsorte: KC5410

KENLOC Wendeschneidplatten

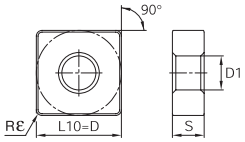
Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	M: KT315	KC5010	KC9225	KC9240	KC9245	K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
SNGA-MT **KB5625** **KB9610**	**SNGA120404EMT**																																			●					
	SNGA120404S01020MT																																			●					
	SNGA120404S01025MT																																				●				
	SNGA120408EMT																																			●					
	SNGA120408S01020MT																																			●					
	SNGA120408S01025MT																																				●				
	SNGA120412EMT																																			●					
	SNGA120412S01020MT																																			●					
	SNGA120412S01025MT																																				●				
SNMS-E	**SNMS120408E**																						●																			
SNMS-F	**SNMS120408F**																							●																		
	SNMS120412F																							●																		
SNGA	**SNGA090308T02020**																																			●					
	SNGA120408T01020														●																					●					
	SNGA120408T02020															●	●	●																			●					
	SNGA120412T01020														●																	●	●		●						
	SNGA120412T02020															●	●	●																			●					
	SNGA120416T01020														●																		●			●					
	SNGA120416T02020															●	●	●																								
	SNGA150612T02020															●	●	●																								
	SNGA150616T02020															●	●	●																								
	SNGA190612T02020																●	●																								
	SNGA190616T02020																●	●																								
SNGG-FS	**SNGG090308FS**																				●				●		●	●													
	SNGG120408FS																				●				●		●	●													
SNGG-LF	**SNGG090308LF**							●													●				●																
	SNGG120408LF							●																																	
	SNGG150612LF							●																																	

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005

A152-A170 | A206-A210 | A236 | A240-A244 | A6-A19 | A26-A27 | A28-A32 | A33-A37

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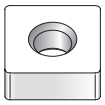
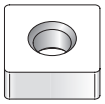
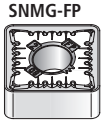


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
SNGA120404EMT	SNGA431EMT	1/2	12,70	.50	12,70	3/16	4,76	1/64	0,4	.203	5,16	SNGA-MT
SNGA120404S01020MT	SNGA431S0420MT	1/2	12,70	.50	12,70	3/16	4,76	1/64	0,4	.203	5,16	
SNGA120404S01025MT	SNGA431S0425MT	1/2	12,70	.50	12,70	3/16	4,76	1/64	0,4	.203	5,16	
SNGA120408EMT	SNGA432EMT	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNGA120408S01020MT	SNGA432S0420MT	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNGA120408S01025MT	SNGA432S0425MT	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNGA120412EMT	SNGA433EMT	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	KB5625
SNGA120412S01020MT	SNGA433S0420MT	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNGA120412S01025MT	SNGA433S0425MT	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	KB9610
SNMS120408E	SNMS432E	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMS-E
SNMS120408F	SNMS432F	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMS-F
SNMS120412F	SNMS433F	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNGA090308T02020	SNGA322T0820	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	.150	3,81	SNGA
SNGA120408T01020	SNGA432T0420	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNGA120408T02020	SNGA432T0820	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNGA120412T01020	SNGA433T0420	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNGA120412T02020	SNGA433T0820	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNGA120416T01020	SNGA434T0420	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	.203	5,16	
SNGA120416T02020	SNGA434T0820	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	.203	5,16	
SNGA150612T02020	SNGA543T0820	5/8	15,88	.63	15,88	1/4	6,35	3/64	1,2	.250	6,35	
SNGA150616T02020	SNGA544T0820	5/8	15,88	.63	15,88	1/4	6,35	1/16	1,6	.250	6,35	
SNGA190612T02020	SNGA643T0820	3/4	19,05	.75	19,05	1/4	6,35	3/64	1,2	.313	7,93	
SNGA190616T02020	SNGA644T0820	3/4	19,05	.75	19,05	1/4	6,35	1/16	1,6	.313	7,93	
SNGG090308FS	SNGG322FS	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	.150	3,81	SNGG-FS
SNGG120408FS	SNGG432FS	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNGG090308LF	SNGG322LF	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	.150	3,81	SNGG-LF
SNGG120408LF	SNGG432LF	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNGG150612LF	SNGG543LF	5/8	15,88	.63	15,88	1/4	6,35	3/64	1,2	.250	6,35	

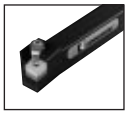
Bestellbeispiel:
ISO-Katalognummer: SNGA120404EMT
Schneidstoffsorte: KB9610

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	M: KT315	KC5010	KC9225	KC9240	KC9245	K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
SNGP 	SNGP120404							●														●																		
	SNGP120408							●														●																		
SNMA 	SNMA120408												●	●																										
	SNMA120408S02020																			●																			●		
	SNMA120408T02020																	●																							
	SNMA120412												●	●																										
	SNMA120412E																			●																			●		
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	SNMA150608												●	●																										
	SNMA150612												●	●																										
	SNMA150612T02020																	●																						
	SNMA150616												●	●																										
	SNMA150616T02020																	●																						
	SNMA190612												●	●																										
	SNMA190616												●	●																										
SNMA-MW 	SNMA120408S02020MW																			●																			●		
	SNMA120412S02020MW																			●																			●		
SNMG-FF 	SNMG090304FF	●	●				●		●			●																	●											
	SNMG090308FF	●	●				●		●			●																	●											
	SNMG120404FF	●	●				●		●			●																	●											
	SNMG120408FF	●	●				●		●			●																	●											
SNMG-FN 	SNMG090304FN	●	●	●			●					●	●																										
	SNMG090308FN	●	●	●			●					●	●																										
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	SNMG120408FN	●	●	●			●					●	●																										
	SNMG120412FN	●	●	●			●					●	●																										
	SNMG120416FN	●	●	●			●					●	●																										
SNMG-FP 	SNMG120404FP	●			●		●	●	●			●																	●										●	
	SNMG120408FP	●			●		●	●	●			●																	●										●	
	SNMG120412FP	●			●		●	●	●			●																	●											

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

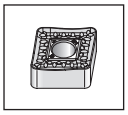


A6-A19

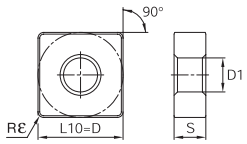


A26-A27


A28-A32


A33-A37

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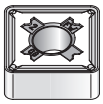
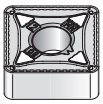
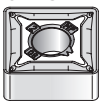
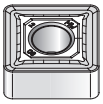


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
SNGP120404	SNGP431	1/2	12,70	.50	12,70	3/16	4,76	1/64	0,4	.203	5,16	SNGP
SNGP120408	SNGP432	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNMA120408	SNMA432	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMA
SNMA120408S02020	SNMA432S0820	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNMA120408T02020	SNMA432T0820	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNMA120412	SNMA433	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMA120412E	SNMA433E	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMA120412S02020	SNMA433S0820	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMA120412T02020	SNMA433T0820	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMA120416	SNMA434	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	.203	5,16	
SNMA120416S02020	SNMA434S0820	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	.203	5,16	
SNMA120416T02020	SNMA434T0820	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	.203	5,16	
SNMA150608	SNMA542	5/8	15,88	.63	15,88	1/4	6,35	1/32	0,8	.250	6,35	
SNMA150612	SNMA543	5/8	15,88	.63	15,88	1/4	6,35	3/64	1,2	.250	6,35	
SNMA150612T02020	SNMA543T0820	5/8	15,88	.63	15,88	1/4	6,35	3/64	1,2	.250	6,35	
SNMA150616	SNMA544	5/8	15,88	.63	15,88	1/4	6,35	1/16	1,6	.250	6,35	
SNMA150616T02020	SNMA544T0820	5/8	15,88	.63	15,88	1/4	6,35	1/16	1,6	.250	6,35	
SNMA190612	SNMA643	3/4	19,05	.75	19,05	1/4	6,35	3/64	1,2	.313	7,93	
SNMA190616	SNMA644	3/4	19,05	.75	19,05	1/4	6,35	1/16	1,6	.313	7,93	
SNMA120408S02020MW	SNMA432S0820MW	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMA-MW
SNMA120412S02020MW	SNMA433S0820MW	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMG090304FF	SNMG321FF	3/8	9,53	.38	9,53	1/8	3,18	1/64	0,4	.150	3,81	SNMG-FF
SNMG090308FF	SNMG322FF	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	.150	3,81	
SNMG120404FF	SNMG431FF	1/2	12,70	.50	12,70	3/16	4,76	1/64	0,4	.203	5,16	
SNMG120408FF	SNMG432FF	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNMG090304FN	SNMG321FN	3/8	9,53	.38	9,53	1/8	3,18	1/64	0,4	.150	3,81	SNMG-FN
SNMG090308FN	SNMG322FN	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	.150	3,81	
SNMG120404FN	SNMG431FN	1/2	12,70	.50	12,70	3/16	4,76	1/64	0,4	.203	5,16	
SNMG120408FN	SNMG432FN	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNMG120412FN	SNMG433FN	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMG120416FN	SNMG434FN	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	.203	5,16	
SNMG120404FP	SNMG431FP	1/2	12,70	.50	12,70	3/16	4,76	1/64	0,4	.203	5,16	SNMG-FP
SNMG120408FP	SNMG432FP	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNMG120412FP	SNMG433FP	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	

Bestellbeispiel:
ISO-Katalognummer: SNGP120404
Schneidstoffsorte: KC5010

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	KENNA PERFECT M: KT315	KC5010	KC9225	KC9240	KC9245	KENNA PERFECT K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	KENNA PERFECT N: K313	KC5410	KD1405	KD100	KENNA PERFECT S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	KENNA PERFECT H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
SNMG-FW 	SNMG120408FW	●	●				●		●			●																●												
	SNMG120412FW	●	●				●		●			●																●												
SNMG-MN 	SNMG090304MN		●	●	●	●																																	
	SNMG090308MN		●	●	●	●																																	
	SNMG090312MN		●	●	●	●																																	
	SNMG120404MN		●	●	●	●																																●	
	SNMG120408MN		●	●	●	●																																●	
	SNMG120412MN		●	●	●	●																																●	
	SNMG120416MN		●	●	●	●																																●	
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	SNMG150616MN		●	●	●	●																																	
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	SNMG190616MN		●	●	●	●																																	
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	SNMG120412MP				●			●	●	●	●																			●	●	●							●	●
	SNMG120416MP				●			●	●	●	●																			●	●	●							●	●
	SNMG150608MP				●			●	●	●	●																			●	●	●								
	SNMG150612MP				●			●	●	●	●																			●	●	●								
	SNMG150616MP				●			●	●	●	●																			●	●	●								
	SNMG190612MP				●			●	●	●	●																			●	●	●								
	SNMG190616MP				●			●	●	●	●																			●	●	●								
SNMG-MS 	SNMG120408MS																				●				●		●	●											
	SNMG120412MS																				●				●		●	●											
	SNMG150608MS																				●				●		●	●											
	SNMG150612MS																				●				●		●	●											
	SNMG190612MS																				●				●		●	●											
SNMG-MW 	SNMG120408MW		●	●	●					●			●																●									
	SNMG120412MW		●	●	●					●			●																●									
SNMG-P 	SNMG120408P							●	●	●																			●	●								
	SNMG120412P							●	●	●																			●	●								
	SNMG190612P								●	●																			●	●								
	SNMG190616P								●	●																			●	●								
SNMG-RN 	SNMG090412RN		●		●																																	
	SNMG120408RN		●	●	●	●																																●	
	SNMG120412RN		●	●	●	●																																●	
	SNMG120416RN		●	●	●	●																																●	
	SNMG150608RN		●	●	●	●																																	
	SNMG150612RN		●	●	●	●																																	

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

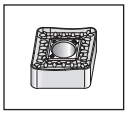


A6-A19

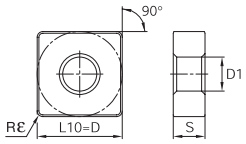


A26-A27


A28-A32


A33-A37

SN..

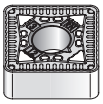
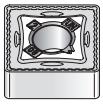
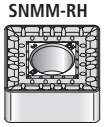
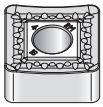
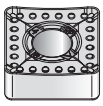


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	RE Zoll	RE mm	D1 Zoll	D1 mm	
SNMG120408FW	SNMG432FW	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMG-FW
SNMG120412FW	SNMG433FW	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMG090304MN	SNMG321MN	3/8	9,53	.38	9,53	1/8	3,18	1/64	0,4	.150	3,81	SNMG-MN
SNMG090308MN	SNMG322MN	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	.150	3,81	
SNMG090312MN	SNMG323MN	3/8	9,53	.38	9,53	1/8	3,18	3/64	1,2	.150	3,81	
SNMG120404MN	SNMG431MN	1/2	12,70	.50	12,70	3/16	4,76	1/64	0,4	.203	5,16	
SNMG120408MN	SNMG432MN	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNMG120412MN	SNMG433MN	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMG120416MN	SNMG434MN	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	.203	5,16	
SNMG150612MN	SNMG543MN	5/8	15,88	.63	15,88	1/4	6,35	3/64	1,2	.250	6,35	
SNMG150616MN	SNMG544MN	5/8	15,88	.63	15,88	1/4	6,35	1/16	1,6	.250	6,35	
SNMG190612MN	SNMG643MN	3/4	19,05	.75	19,05	1/4	6,35	3/64	1,2	.313	7,93	
SNMG190616MN	SNMG644MN	3/4	19,05	.75	19,05	1/4	6,35	1/16	1,6	.313	7,93	
SNMG120408MP	SNMG432MP	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMG-MP
SNMG120412MP	SNMG433MP	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMG120416MP	SNMG434MP	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	.203	5,16	
SNMG150608MP	SNMG542MP	5/8	15,88	.63	15,88	1/4	6,35	1/32	0,8	.250	6,35	
SNMG150612MP	SNMG543MP	5/8	15,88	.63	15,88	1/4	6,35	3/64	1,2	.250	6,35	
SNMG150616MP	SNMG544MP	5/8	15,88	.63	15,88	1/4	6,35	1/16	1,6	.250	6,35	
SNMG190612MP	SNMG643MP	3/4	19,05	.75	19,05	1/4	6,35	3/64	1,2	.313	7,93	
SNMG190616MP	SNMG644MP	3/4	19,05	.75	19,05	1/4	6,35	1/16	1,6	.313	7,93	
SNMG120408MS	SNMG432MS	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMG-MS
SNMG120412MS	SNMG433MS	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMG150608MS	SNMG542MS	5/8	15,88	.63	15,88	1/4	6,35	1/32	0,8	.250	6,35	
SNMG150612MS	SNMG543MS	5/8	15,88	.63	15,88	1/4	6,35	3/64	1,2	.250	6,35	
SNMG190612MS	SNMG643MS	3/4	19,05	.75	19,05	1/4	6,35	3/64	1,2	.313	7,93	
SNMG120408MW	SNMG432MW	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMG-MW
SNMG120412MW	SNMG433MW	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMG120408P	SNMG432P	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMG-P
SNMG120412P	SNMG433P	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMG190612P	SNMG643P	3/4	19,05	.75	19,05	1/4	6,35	3/64	1,2	.313	7,93	
SNMG190616P	SNMG644P	3/4	19,05	.75	19,05	1/4	6,35	1/16	1,6	.313	7,93	
SNMG090412RN	SNMG333RN	3/8	9,53	.38	9,53	3/16	4,76	3/64	1,2	.150	3,81	SNMG-RN
SNMG120408RN	SNMG432RN	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	
SNMG120412RN	SNMG433RN	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMG120416RN	SNMG434RN	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	.203	5,16	
SNMG150608RN	SNMG542RN	5/8	15,88	.63	15,88	1/4	6,35	1/32	0,8	.250	6,35	
SNMG150612RN	SNMG543RN	5/8	15,88	.63	15,88	1/4	6,35	3/64	1,2	.250	6,35	

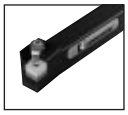
Bestellbeispiel:
ISO-Katalognummer: SNMG120408FW
Schneidstoffsorte: KT315

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	M: KT315	KC5010	KC9225	KC9240	KC9245	K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
SNMG-RN	SNMG150616RN		●	●	●	●																																		●
	SNMG190608RN		●	●	●	●																																		●
	SNMG190612RN		●	●	●	●																																		●
	SNMG190616RN		●	●	●	●																																		●
	SNMG190624RN		●	●	●	●																																		
SNMG-RP	SNMG120408RP		●	●	●		●	●	●	●		●	●													●	●	●	●	●										●
	SNMG120412RP		●	●	●		●	●	●	●		●	●													●	●	●	●	●										●
	SNMG120416RP		●	●	●		●	●	●	●		●	●													●	●	●	●	●										
	SNMG150612RP		●	●	●		●	●	●	●	●	●	●													●	●	●	●	●										●
	SNMG150616RP		●	●	●		●	●	●	●	●	●	●													●	●	●	●	●										●
	SNMG190612RP		●	●	●		●	●	●	●	●	●	●													●	●	●	●	●										●
	SNMG190616RP		●	●	●		●	●	●	●	●	●	●													●	●	●	●	●										●
SNMG-UN	SNMG120408UN												●	●																										
	SNMG120412UN												●	●																										
	SNMG120416UN												●	●																										
	SNMG150608UN												●	●																										
	SNMG150612UN												●	●																										
	SNMG150616UN												●	●																										
	SNMG190612UN												●	●																										
	SNMG190616UN												●	●																										
SNMM-RH	SNMM190612RH		●	●	●	●																																		
	SNMM190616RH		●	●	●	●																																		
	SNMM190624RH		●	●	●	●																																		
	SNMM250724RH		●	●	●	●																																		
	SNMM250732RH		●	●	●	●																																		
	SNMM250924RH		●	●	●	●																																		
	SNMM250932RH					●																																		
SNMM-RM	SNMM120408RM		●	●	●																																		
	SNMM120412RM		●	●	●																																		
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	SNMM250924RM		●	●	●																																		
SNMM-RP	SNMM120408RP		●	●					●	●																		●	●										
	SNMM120412RP		●	●					●	●																		●	●										
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	SNMM190624RP		●	●					●	●																		●	●										
	SNMM250724RP			●						●																			●										
	SNMM250924RP			●						●																			●										

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

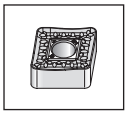


A6-A19

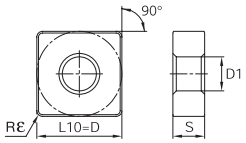


A26-A27


A28-A32


A33-A37

SN..

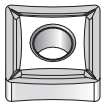
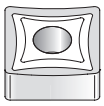


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	RE Zoll	RE mm	D1 Zoll	D1 mm	
SNMG150616RN	SNMG544RN	5/8	15,88	.63	15,88	1/4	6,35	1/16	1,6	.250	6,35	SNMG-RN
SNMG190608RN	SNMG642RN	3/4	19,05	.75	19,05	1/4	6,35	1/32	0,8	.313	7,93	
SNMG190612RN	SNMG643RN	3/4	19,05	.75	19,05	1/4	6,35	3/64	1,2	.313	7,93	
SNMG190616RN	SNMG644RN	3/4	19,05	.75	19,05	1/4	6,35	1/16	1,6	.313	7,93	
SNMG190624RN	SNMG646RN	3/4	19,05	.75	19,05	1/4	6,35	3/32	2,4	.313	7,93	
SNMG120408RP	SNMG432RP	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMG-RP
SNMG120412RP	SNMG433RP	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMG120416RP	SNMG434RP	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	.203	5,16	
SNMG150612RP	SNMG543RP	5/8	15,88	.63	15,88	1/4	6,35	3/64	1,2	.250	6,35	
SNMG150616RP	SNMG544RP	5/8	15,88	.63	15,88	1/4	6,35	1/16	1,6	.250	6,35	
SNMG190612RP	SNMG643RP	3/4	19,05	.75	19,05	1/4	6,35	3/64	1,2	.313	7,93	
SNMG190616RP	SNMG644RP	3/4	19,05	.75	19,05	1/4	6,35	1/16	1,6	.313	7,93	
SNMG120408UN	SNMG432UN	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMG-UN
SNMG120412UN	SNMG433UN	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMG120416UN	SNMG434UN	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	.203	5,16	
SNMG150608UN	SNMG542UN	5/8	15,88	.63	15,88	1/4	6,35	1/32	0,8	.250	6,35	
SNMG150612UN	SNMG543UN	5/8	15,88	.63	15,88	1/4	6,35	3/64	1,2	.250	6,35	
SNMG150616UN	SNMG544UN	5/8	15,88	.63	15,88	1/4	6,35	1/16	1,6	.250	6,35	
SNMG190612UN	SNMG643UN	3/4	19,05	.75	19,05	1/4	6,35	3/64	1,2	.313	7,93	
SNMG190616UN	SNMG644UN	3/4	19,05	.75	19,05	1/4	6,35	1/16	1,6	.313	7,93	
SNMM190612RH	SNMM643RH	3/4	19,05	.75	19,05	1/4	6,35	3/64	1,2	.313	7,93	SNMM-RH
SNMM190616RH	SNMM644RH	3/4	19,05	.75	19,05	1/4	6,35	1/16	1,6	.313	7,93	
SNMM190624RH	SNMM646RH	3/4	19,05	.75	19,05	1/4	6,35	3/32	2,4	.313	7,93	
SNMM250724RH	SNMM856RH	1	25,40	1.00	25,40	5/16	7,94	3/32	2,4	.359	9,12	
SNMM250732RH	SNMM858RH	1	25,40	1.00	25,40	5/16	7,94	1/8	3,2	.359	9,12	
SNMM250924RH	SNMM866RH	1	25,40	1.00	25,40	3/8	9,53	3/32	2,4	.359	9,12	
SNMM250932RH	SNMM868RH	1	25,40	1.00	25,40	3/8	9,53	1/8	3,2	.359	9,12	
SNMM120408RM	SNMM432RM	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMM-RM
SNMM120412RM	SNMM433RM	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMM120416RM	SNMM434RM	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	.203	5,16	
SNMM150612RM	SNMM543RM	5/8	15,88	.63	15,88	1/4	6,35	3/64	1,2	.250	6,35	
SNMM150616RM	SNMM544RM	5/8	15,88	.63	15,88	1/4	6,35	1/16	1,6	.250	6,35	
SNMM190612RM	SNMM643RM	3/4	19,05	.75	19,05	1/4	6,35	3/64	1,2	.313	7,93	
SNMM190616RM	SNMM644RM	3/4	19,05	.75	19,05	1/4	6,35	1/16	1,6	.313	7,93	
SNMM190624RM	SNMM646RM	3/4	19,05	.75	19,05	1/4	6,35	3/32	2,4	.313	7,93	
SNMM250724RM	SNMM856RM	1	25,40	1.00	25,40	5/16	7,94	3/32	2,4	.359	9,12	
SNMM250924RM	SNMM866RM	1	25,40	1.00	25,40	3/8	9,53	3/32	2,4	.359	9,12	
SNMM120408RP	SNMM432RP	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMM-RP
SNMM120412RP	SNMM433RP	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMM120416RP	SNMM434RP	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	.203	5,16	
SNMM150612RP	SNMM543RP	5/8	15,88	.63	15,88	1/4	6,35	3/64	1,2	.250	6,35	
SNMM150616RP	SNMM544RP	5/8	15,88	.63	15,88	1/4	6,35	1/16	1,6	.250	6,35	
SNMM190612RP	SNMM643RP	3/4	19,05	.75	19,05	1/4	6,35	3/64	1,2	.313	7,93	
SNMM190616RP	SNMM644RP	3/4	19,05	.75	19,05	1/4	6,35	1/16	1,6	.313	7,93	
SNMM190624RP	SNMM646RP	3/4	19,05	.75	19,05	1/4	6,35	3/32	2,4	.313	7,93	
SNMM250724RP	SNMM856RP	1	25,40	1.00	25,40	5/16	7,94	3/32	2,4	.359	9,12	
SNMM250924RP	SNMM866RP	1	25,40	1.00	25,40	3/8	9,53	3/32	2,4	.359	9,12	

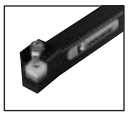
Bestellbeispiel:
ISO-Katalognummer: SNMG150616RN
Schneidstoffsorte: KC9110

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	M: KT315	KC5010	KC9225	KC9240	KC9245	K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
SNMM-RW 	SNMM190624RW		●	●	●																																			
	SNMM250724RW		●	●	●																																			
SNMP-K 	SNMP120408K		●	●																																			
	SNMP120412K		●	●																																			
SNMS 	SNMS120408																					●				●														
	SNMS120412																					●																		
	SNMS190612																					●				●														
TNGA 	TNGA160404S02020																		●															●						
	TNGA160408S02020																		●															●						
	TNGA160412S02020																		●															●						
TNGA-FW/ MW MT 	TNGA160404EFWMT																																			●				
	TNGA160404S01020FWMT																																			●				
	TNGA160408EFWMT																																			●	●			
	TNGA160408S01020FWMT																																			●				
	TNGA160412EFWMT																																			●	●			
	TNGA160412S01020FWMT																																			●				
TNGA-MT 	TNGA160404EMT																																			●				
	TNGA160404S01020MT																																			●				
	TNGA160404S01025MT																																				●			
	TNGA160408EMT																																			●				
	TNGA160408S01020MT																																			●				
	TNGA160408S01025MT																																				●			
	TNGA160412EMT																																			●				
	TNGA160412S01020MT																																			●				
	TNGA160412S01025MT																																				●			
TNMA 	TNMA160408S01020																		●															●						
	TNMA220408S01020																		●															●						
TNMS-E 	TNMS160404E																						●																	
	TNMS160408E																						●																	

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236

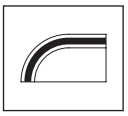

A240-A244

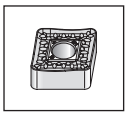


A6-A19

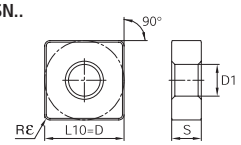


A26-A27

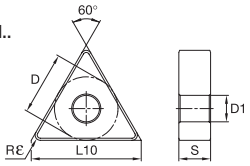

A28-A32

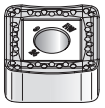
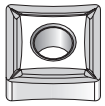
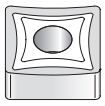
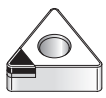

A33-A37

SN..



TN..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
SNMM190624RW	SNMM646RW	3/4	19,05	.75	19,05	1/4	6,35	3/32	2,4	.313	7,93	SNMM-RW
SNMM250724RW	SNMM856RW	1	25,40	1.00	25,40	5/16	7,94	3/32	2,4	.359	9,12	
SNMP120408K	SNMP432K	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMP-K
SNMP120412K	SNMP433K	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMS120408	SNMS432	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	.203	5,16	SNMS
SNMS120412	SNMS433	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	.203	5,16	
SNMS190612	SNMS643	3/4	19,05	.75	19,05	1/4	6,35	3/64	1,2	.313	7,93	
TNGA160404S02020	TNGA331S0820	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	TNGA
TNGA160408S02020	TNGA332S0820	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNGA160412S02020	TNGA333S0820	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNGA160404EFWMT	TNGA331EFWMT	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	TNGA-FW/ MW MT
TNGA160404S01020FWMT	TNGA331S0420FWMT	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	
TNGA160408EFWMT	TNGA332EFWMT	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNGA160408S01020FWMT	TNGA332S0420FWMT	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNGA160412EFWMT	TNGA333EFWMT	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNGA160412S01020FWMT	TNGA333S0420FWMT	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNGA160404EMT	TNGA331EMT	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	TNGA-MT
TNGA160404S01020MT	TNGA331S0420MT	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	
TNGA160404S01025MT	TNGA331S0425MT	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	
TNGA160408EMT	TNGA332EMT	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNGA160408S01020MT	TNGA332S0420MT	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNGA160408S01025MT	TNGA332S0425MT	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNGA160412EMT	TNGA333EMT	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNGA160412S01020MT	TNGA333S0420MT	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNGA160412S01025MT	TNGA333S0425MT	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNMA160408S01020	TNMA332S0420	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	TNMA
TNMA220408S01020	TNMA432S0420	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMS160404E	TNMS331E	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	TNMS-E
TNMS160408E	TNMS332E	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	

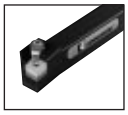
Bestellbeispiel:
ISO-Katalognummer: SNMM190624RW
Schneidstoffsorte: KC9110

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P					M					K									N				S											H					KENNA UNIVERSAL	
		KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	KT315	KC5010	KC9225	KC9240	KC9245	KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	K313	KC5410	KD1405	KD100	K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	KY4400	KY1615	KB9610	KB5625	KB9640	KU10T	KU30T
TNMS-F	TNMS160404F																							●																	
	TNMS160408F																							●																	
	TNMS220404F																							●																	
	TNMS220408F																							●																	
	TNMS220412F																							●																	
TNGA	TNGA160308T02020																																			●					
	TNGA160312T02020																																			●					
	TNGA160404E														●																					●					
	TNGA160404T01020														●																					●					
	TNGA160408E														●																					●					
	TNGA160408T01020														●																					●					
	TNGA160408T02020															●	●	●																			●					
	TNGA160412E														●																					●					
	TNGA160412T01020														●																					●					
	TNGA160412T02020															●	●	●																			●					
	TNGA160416T02020																●	●																			●					
	TNGA220408T01020														●																		●			●					
	TNGA220408T02020																●																			●					
	TNGA220412T01020														●																		●			●					
	TNGA220412T02020																●																			●					
	TNGA220416T01020														●																					●					
	TNGA220416T02020																●	●																			●					
	TNGA270608T02020																																			●					
	TNGA270612T02020																																			●					
TNGG-FS	TNGG160402FS																				●				●		●	●													
	TNGG160404FS																				●				●		●	●													
	TNGG160408FS																				●				●		●	●													
	TNGG220408FS																				●				●		●	●													
	TNGG220412FS																				●				●		●	●													
TNGG-LF	TNGG160402LF							●													●				●																
	TNGG160404LF							●																																	
	TNGG160408LF							●																																	
TNGP	TNGP160402							●														●																		
	TNGP160404							●														●																		
	TNGP160408							●														●																		
TNMA	TNMA160408												●	●																										
	TNMA160412												●	●																										
	TNMA160416												●	●																										
	TNMA220408												●	●																										
	TNMA220412												●	●																										
	TNMA220416												●	●																										
	TNMA270616												●	●																										

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

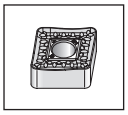


A6-A19

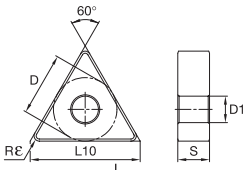


A26-A27


A28-A32


A33-A37

TN..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
TNMS160404F	TNMS331F	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	TNMS-F
TNMS160408F	TNMS332F	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNMS220404F	TNMS431F	1/2	12,70	.87	22,00	3/16	4,76	1/64	0,4	.203	5,16	
TNMS220408F	TNMS432F	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMS220412F	TNMS433F	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNGA160308T02020	TNGA322T0820	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	.150	3,81	TNGA
TNGA160312T02020	TNGA323T0820	3/8	9,53	.65	16,50	1/8	3,18	3/64	1,2	.150	3,81	
TNGA160404E	TNGA331	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	
TNGA160404T01020	TNGA331T0420	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	
TNGA160408E	TNGA332	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNGA160408T01020	TNGA332T0420	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNGA160408T02020	TNGA332T0820	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNGA160412E	TNGA333	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNGA160412T01020	TNGA333T0420	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNGA160412T02020	TNGA333T0820	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNGA160416T02020	TNGA334T0820	3/8	9,53	.65	16,50	3/16	4,76	1/16	1,6	.150	3,81	
TNGA220408T01020	TNGA432T0420	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNGA220408T02020	TNGA432T0820	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNGA220412T01020	TNGA433T0420	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNGA220412T02020	TNGA433T0820	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNGA220416T01020	TNGA434T0420	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	.203	5,16	
TNGA220416T02020	TNGA434T0820	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	.203	5,16	
TNGA270608T02020	TNGA542T0820	5/8	15,88	1.08	27,50	1/4	6,35	1/32	0,8	.250	6,35	
TNGA270612T02020	TNGA543T0820	5/8	15,88	1.08	27,50	1/4	6,35	3/64	1,2	.250	6,35	
TNGG160402FS	TNGG3305FS	3/8	9,53	.65	16,50	3/16	4,76	.008	0,2	.150	3,81	TNGG-FS
TNGG160404FS	TNGG331FS	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	
TNGG160408FS	TNGG332FS	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNGG220408FS	TNGG432FS	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNGG220412FS	TNGG433FS	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNGG160402LF	TNGG3305LF	3/8	9,53	.65	16,50	3/16	4,76	.008	0,2	.150	3,81	TNGG-LF
TNGG160404LF	TNGG331LF	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	
TNGG160408LF	TNGG332LF	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNGP160402	TNGP3305	3/8	9,53	.65	16,50	3/16	4,76	.008	0,2	.150	3,81	TNGP
TNGP160404	TNGP331	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	
TNGP160408	TNGP332	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNMA160408	TNMA332	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	TNMA
TNMA160412	TNMA333	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNMA160416	TNMA334	3/8	9,53	.65	16,50	3/16	4,76	1/16	1,6	.150	3,81	
TNMA220408	TNMA432	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMA220412	TNMA433	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNMA220416	TNMA434	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	.203	5,16	
TNMA270616	TNMA544	5/8	15,88	1.08	27,50	1/4	6,35	1/16	1,6	.250	6,35	

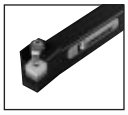
Bestellbeispiel:
ISO-Katalognummer: TNMS160404F
Schneidstoffsorte: KD100

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	M: KT315	KC5010	KC9225	KC9240	KC9245	K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
TNMA-T 	TNMA220412T02020 TNMA220416T02020																	● ●																							
TNMG-CT 	TNMG220408CT TNMG220412CT		● ●	● ●				● ●	● ●	● ●			● ●																● ●	● ●												
TNMG-FF 	TNMG110304FF TNMG110308FF TNMG160404FF TNMG160408FF	● ● ● ●	● ● ● ●				● ● ● ●	● ● ● ●	● ● ● ●			● ● ● ●														● ● ● ●															
TNMG-FN 	TNMG110304FN TNMG110308FN TNMG160404FN TNMG160408FN TNMG160412FN TNMG220404FN TNMG220408FN TNMG220412FN	● ● ● ● ● ● ● ●	● ● ● ● ● ● ● ●	● ● ● ● ● ● ● ●			● ● ● ● ● ● ● ●					● ● ● ● ● ● ● ●	● ● ● ● ● ● ●																												
TNMG-FP 	TNMG160404FP TNMG160408FP TNMG160412FP TNMG220404FP TNMG220408FP	● ● ● ● ●			● ● ● ● ●		● ● ● ● ●	● ● ● ● ●	● ● ● ● ●			● ● ● ● ●														● ● ● ● ●														● ● ● ●	
TNMG-FW 	TNMG160404FW TNMG160408FW TNMG160412FW	● ● ●	● ● ●				● ● ●	● ● ●	● ● ●			● ● ●	● ● ●																	● ● ●												
TNMG-MN 	TNMG160404MN TNMG160408MN TNMG160412MN TNMG220404MN TNMG220408MN TNMG220412MN TNMG220416MN		● ● ● ● ● ● ●	● ● ● ● ● ● ●	● ● ● ● ● ● ●	● ● ● ● ● ● ●																																	● ● ● ● ● ● ●
TNMG-MP 	TNMG160404MP TNMG160408MP TNMG160412MP TNMG220408MP TNMG220412MP TNMG220416MP				● ● ● ● ● ●			● ● ● ● ● ●	● ● ● ● ● ●	● ● ● ● ● ●	● ● ● ● ● ●																		● ● ● ● ● ●	● ● ● ● ● ●	● ● ● ● ● ●												● ● ● ● ● ●	● ● ● ● ● ●

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

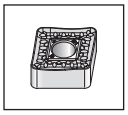


A6-A19

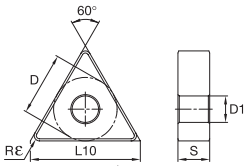


A26-A27


A28-A32


A33-A37

TN..

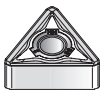
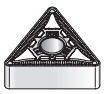


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
TNMA220412T02020	TNMA433T0820	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	TNMA-T
TNMA220416T02020	TNMA434T0820	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	.203	5,16	
TNMG220408CT	TNMG432CT	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	TNMG-CT
TNMG220412CT	TNMG433CT	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNMG110304FF	TNMG221FF	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	.091	2,30	TNMG-FF
TNMG110308FF	TNMG222FF	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	.091	2,30	
TNMG160404FF	TNMG331FF	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	
TNMG160408FF	TNMG332FF	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNMG110304FN	TNMG221FN	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	.091	2,30	TNMG-FN
TNMG110308FN	TNMG222FN	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	.091	2,30	
TNMG160404FN	TNMG331FN	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	
TNMG160408FN	TNMG332FN	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNMG160412FN	TNMG333FN	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNMG220404FN	TNMG431FN	1/2	12,70	.87	22,00	3/16	4,76	1/64	0,4	.203	5,16	
TNMG220408FN	TNMG432FN	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMG220412FN	TNMG433FN	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNMG160404FP	TNMG331FP	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	TNMG-FP
TNMG160408FP	TNMG332FP	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNMG160412FP	TNMG333FP	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNMG220404FP	TNMG431FP	1/2	12,70	.87	22,00	3/16	4,76	1/64	0,4	.203	5,16	
TNMG220408FP	TNMG432FP	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMG160404FW	TNMG331FW	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	TNMG-FW
TNMG160408FW	TNMG332FW	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNMG160412FW	TNMG333FW	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNMG160404MN	TNMG331MN	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	TNMG-MN
TNMG160408MN	TNMG332MN	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNMG160412MN	TNMG333MN	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNMG220404MN	TNMG431MN	1/2	12,70	.87	22,00	3/16	4,76	1/64	0,4	.203	5,16	
TNMG220408MN	TNMG432MN	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMG220412MN	TNMG433MN	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNMG220416MN	TNMG434MN	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	.203	5,16	
TNMG160404MP	TNMG331MP	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	TNMG-MP
TNMG160408MP	TNMG332MP	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNMG160412MP	TNMG333MP	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNMG220408MP	TNMG432MP	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMG220412MP	TNMG433MP	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNMG220416MP	TNMG434MP	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	.203	5,16	

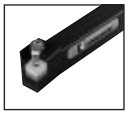
Bestellbeispiel:
ISO-Katalognummer: TNMA220412T02020
Schneidstoffsorte: KY3500

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	M: KT315	KC5010	KC9225	KC9240	KC9245	K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
TNMG-MS 	TNMG160402MS																				●				●		●	●													
	TNMG160404MS																				●				●		●	●													
	TNMG160408MS																				●				●		●	●													
	TNMG220404MS																				●				●		●	●													
	TNMG220408MS																				●				●		●	●													
	TNMG220412MS																				●				●		●	●													
	TNMG270608MS																				●				●		●	●													
	TNMG270612MS																				●				●		●	●													
	TNMG270616MS																				●				●		●	●													
TNMG-MW 	TNMG160408MW		●	●	●				●	●			●	●															●	●										
	TNMG160412MW		●	●	●				●	●			●	●															●	●										
TNMG-P 	TNMG160404P							●	●	●																			●	●										
	TNMG160408P							●	●	●																			●	●										
	TNMG220404P							●	●	●																			●	●										
	TNMG220408P							●	●	●																			●	●										
	TNMG220412P							●		●																				●										
	TNMG220416P									●																				●										
	TNMG270612P									●																				●										
TNMG-RN 	TNMG160408RN		●	●	●	●																																	●
	TNMG160412RN		●	●	●	●																																	●
	TNMG220408RN		●	●	●	●																																	●
	TNMG220412RN		●	●	●	●																																	●
	TNMG220416RN		●	●	●	●																																	
	TNMG270608RN		●	●	●	●																																	●
	TNMG270612RN		●	●	●	●																																	
	TNMG270616RN		●	●	●	●																																	●
	TNMG330924RN		●	●	●	●																																	●
TNMG-RP 	TNMG160408RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●									●
	TNMG160412RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●									●
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	TNMG220408RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●									●
	TNMG220412RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●									●
	TNMG220416RP		●	●	●				●	●	●		●	●													●	●	●	●	●									●
	TNMG220432RP		●	●	●				●	●	●		●	●													●	●	●	●	●									
	TNMG270612RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●									
	TNMG270616RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●									
	TNMG330924RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●									
TNMG-UN 	TNMG160408UN												●	●																									
	TNMG160412UN												●	●																									
	TNMG160416UN												●	●																									
	TNMG220408UN												●	●																									
	TNMG220412UN												●	●																									
	TNMG220416UN												●	●																									

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

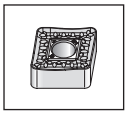


A6-A19

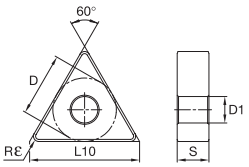


A26-A27


A28-A32


A33-A37

TN..

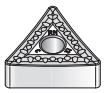
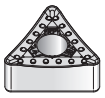
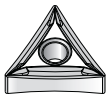
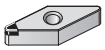
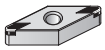


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
TNMG160402MS	TNMG3305MS	3/8	9,53	.65	16,50	3/16	4,76	.008	0,2	.150	3,81	TNMG-MS
TNMG160404MS	TNMG331MS	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	
TNMG160408MS	TNMG332MS	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNMG220404MS	TNMG431MS	1/2	12,70	.87	22,00	3/16	4,76	1/64	0,4	.203	5,16	
TNMG220408MS	TNMG432MS	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMG220412MS	TNMG433MS	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNMG270608MS	TNMG542MS	5/8	15,88	1.08	27,50	1/4	6,35	1/32	0,8	.250	6,35	
TNMG270612MS	TNMG543MS	5/8	15,88	1.08	27,50	1/4	6,35	3/64	1,2	.250	6,35	
TNMG270616MS	TNMG544MS	5/8	15,88	1.08	27,50	1/4	6,35	1/16	1,6	.250	6,35	
TNMG160408MW	TNMG332MW	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	TNMG-MW
TNMG160412MW	TNMG333MW	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNMG160404P	TNMG331P	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	TNMG-P
TNMG160408P	TNMG332P	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNMG220404P	TNMG431P	1/2	12,70	.87	22,00	3/16	4,76	1/64	0,4	.203	5,16	
TNMG220408P	TNMG432P	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMG220412P	TNMG433P	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNMG220416P	TNMG434P	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	.203	5,16	
TNMG270612P	TNMG543P	5/8	15,88	1.08	27,50	1/4	6,35	3/64	1,2	.250	6,35	
TNMG160408RN	TNMG332RN	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	TNMG-RN
TNMG160412RN	TNMG333RN	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNMG220408RN	TNMG432RN	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMG220412RN	TNMG433RN	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNMG220416RN	TNMG434RN	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	.203	5,16	
TNMG270608RN	TNMG542RN	5/8	15,88	1.08	27,50	1/4	6,35	1/32	0,8	.250	6,35	
TNMG270612RN	TNMG543RN	5/8	15,88	1.08	27,50	1/4	6,35	3/64	1,2	.250	6,35	
TNMG270616RN	TNMG544RN	5/8	15,88	1.08	27,50	1/4	6,35	1/16	1,6	.250	6,35	
TNMG330924RN	TNMG666RN	3/4	19,05	1.30	33,00	3/8	9,53	3/32	2,4	.313	7,93	
TNMG160408RP	TNMG332RP	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	TNMG-RP
TNMG160412RP	TNMG333RP	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNMG160416RP	TNMG334RP	3/8	9,53	.65	16,50	3/16	4,76	1/16	1,6	.150	3,81	
TNMG220408RP	TNMG432RP	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMG220412RP	TNMG433RP	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNMG220416RP	TNMG434RP	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	.203	5,16	
TNMG220432RP	TNMG438RP	1/2	12,70	.87	22,00	3/16	4,76	1/8	3,2	.203	5,16	
TNMG270612RP	TNMG543RP	5/8	15,88	1.08	27,50	1/4	6,35	3/64	1,2	.250	6,35	
TNMG270616RP	TNMG544RP	5/8	15,88	1.08	27,50	1/4	6,35	1/16	1,6	.250	6,35	
TNMG330924RP	TNMG666RP	3/4	19,05	1.30	33,00	3/8	9,53	3/32	2,4	.313	7,93	
TNMG160408UN	TNMG332UN	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	TNMG-UN
TNMG160412UN	TNMG333UN	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNMG160416UN	TNMG334UN	3/8	9,53	.65	16,50	3/16	4,76	1/16	1,6	.150	3,81	
TNMG220408UN	TNMG432UN	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMG220412UN	TNMG433UN	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNMG220416UN	TNMG434UN	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	.203	5,16	

Bestellbeispiel:
ISO-Katalognummer: TNMG160402MS
Schneidstoffsorte: K313

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	M: KT315	KC5010	KC9225	KC9240	KC9245	K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
TNMM-RM 	TNMM160408RM		●	●	●																																			
	TNMM160412RM		●	●	●																																			
	TNMM220408RM		●	●	●																																			
	TNMM220412RM		●	●	●																																			
	TNMM220416RM		●	●	●																																			
	TNMM270612RM		●	●	●																																			
	TNMM270616RM		●	●	●																																			
TNMM-RP 	TNMM160408RP		●	●					●	●																		●	●											
	TNMM160412RP		●	●					●	●																		●	●											
	TNMM160416RP		●	●					●	●																		●	●											
	TNMM220408RP		●	●					●	●																		●	●											
	TNMM220412RP		●	●					●	●																		●	●											
	TNMM220416RP		●	●					●	●																		●	●											
	TNMM270612RP			●					●	●																		●	●											
	TNMM270616RP			●					●	●																		●	●											
TNMP 	TNMP220408																					●																		
	TNMP220412																					●																		
TNMP-K 	TNMP160404K		●	●																																			
	TNMP160408K		●	●																																			
	TNMP220404K		●	●																																			
	TNMP220408K		●	●																																			
TNMS 	TNMS160404																					●				●													
	TNMS160408																					●				●													
	TNMS220404																					●				●													
	TNMS220408																					●				●													
	TNMS220412																					●				●													
	TNMS270608																					●				●													
	TNMS270612																					●																	
VNGA 	VNGA160408																		●					●										●					
	VNGA160408E																		●					●										●					
	VNGA220408																		●					●										●					
VNGA-MT 	VNGA160404S01020MT																																			●	●			
	VNGA160404S01025MT																																			●	●			
	VNGA160408S01020MT																																			●	●			
	VNGA160408S01025MT																																			●	●			
	VNGA160412S01020MT																																			●	●			

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

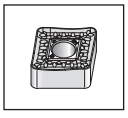


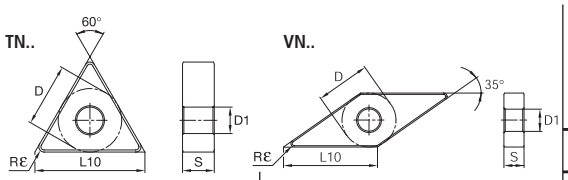
A6-A19



A26-A27


A28-A32


A33-A37

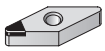
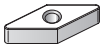
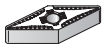
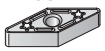
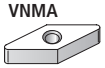


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
TNMM160408RM	TNMM332RM	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	TNMM-RM
TNMM160412RM	TNMM333RM	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	.150	3,81	
TNMM220408RM	TNMM432RM	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMM220412RM	TNMM433RM	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNMM220416RM	TNMM434RM	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	.203	5,16	
TNMM270612RM	TNMM543RM	5/8	15,88	1.08	27,50	1/4	6,35	3/64	1,2	.250	6,35	
TNMM270616RM	TNMM544RM	5/8	15,88	1.08	27,50	1/4	6,35	1/16	1,6	.250	6,35	
TNMM160408RP	TNMM332RP	3/8	9,53	.64	16,36	3/16	4,76	1/32	0,8	.150	3,81	TNMM-RP
TNMM160412RP	TNMM333RP	3/8	9,53	.64	16,36	3/16	4,76	3/64	1,2	.150	3,81	
TNMM160416RP	TNMM334RP	3/8	9,53	.64	16,36	3/16	4,76	1/16	1,6	.150	3,81	
TNMM220408RP	TNMM432RP	1/2	12,70	.86	21,89	3/16	4,76	1/32	0,8	.203	5,16	
TNMM220412RP	TNMM433RP	1/2	12,70	.86	21,89	3/16	4,76	3/64	1,2	.203	5,16	
TNMM220416RP	TNMM434RP	1/2	12,70	.86	21,89	3/16	4,76	1/16	1,6	.203	5,16	
TNMM270612RP	TNMM543RP	5/8	15,88	1.08	27,50	1/4	6,35	3/64	1,2	.250	6,35	
TNMM270616RP	TNMM544RP	5/8	15,88	1.08	27,50	1/4	6,35	1/16	1,6	.250	6,35	
TNMP220408	TNMP432	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	TNMP
TNMP220412	TNMP433	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNMP160404K	TNMP331K	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	TNMP-K
TNMP160408K	TNMP332K	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNMP220404K	TNMP431K	1/2	12,70	.87	22,00	3/16	4,76	1/64	0,4	.203	5,16	
TNMP220408K	TNMP432K	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMS160404	TNMS331	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	.150	3,81	TNMS
TNMS160408	TNMS332	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	.150	3,81	
TNMS220404	TNMS431	1/2	12,70	.87	22,00	3/16	4,76	1/64	0,4	.203	5,16	
TNMS220408	TNMS432	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	.203	5,16	
TNMS220412	TNMS433	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	.203	5,16	
TNMS270608	TNMS542	5/8	15,88	1.08	27,50	1/4	6,35	1/32	0,8	.250	6,35	
TNMS270612	TNMS543	5/8	15,88	1.08	27,50	1/4	6,35	3/64	1,2	.250	6,35	
VNGA160408	VNGA332	3/8	9,53	.65	16,61	3/16	4,76	1/32	0,8	.150	3,81	VNGA
VNGA160408E	VNGA332E	3/8	9,53	.65	16,61	3/16	4,76	1/32	0,8	.150	3,81	
VNGA220408	VNGA432	1/2	12,70	.87	22,14	3/16	4,76	1/32	0,8	.203	5,16	
VNGA160404S01020MT	VNGA331S0420MT	3/8	9,53	.65	16,61	3/16	4,76	1/64	0,4	.150	3,81	VNGA-MT
VNGA160404S01025MT	VNGA331S0425MT	3/8	9,53	.65	16,61	3/16	4,76	1/64	0,4	.150	3,81	
VNGA160408S01020MT	VNGA332S0420MT	3/8	9,53	.65	16,61	3/16	4,76	1/32	0,8	.150	3,81	
VNGA160408S01025MT	VNGA332S0425MT	3/8	9,53	.65	16,61	3/16	4,76	1/32	0,8	.150	3,81	
VNGA160412S01020MT	VNGA333S0420MT	3/8	9,53	.65	16,61	3/16	4,76	3/64	1,2	.150	3,81	

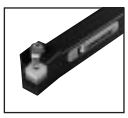
Bestellbeispiel:
ISO-Katalognummer: TNMM160408RM
Schneidstoffsorte: KC9110

KENLOC Wendeschneidplatten

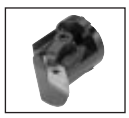
Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	M: KT315	KC5010	KC9225	KC9240	KC9245	K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
VNMA 	VNMA160408S01020																		●															●							
VNMS-E 	VNMS160404E VNMS160408E																						● ●																		
VNMS-F 	VNMS160404F VNMS160408F																						● ●																		
VNGA 	VNGA160404T01020 VNGA160404T02020 VNGA160408T01020														● ●																				● ●	●					
	VNGA160408T02020 VNGA160412T02020																	●																		● ●						
	VNGA220408T02020																●																			● ●						
	VNGA220412T02020 VNGA220416T02020																● ●																			●						
VNGG-FS 	VNGG160401FS VNGG160402FS VNGG160404FS																				● ● ●				● ● ●		● ● ●	● ● ●													
	VNGG160408FS VNGG160412FS																				● ●				● ●		● ●	● ●													
VNGG-LF 	VNGG160402LF VNGG160404LF VNGG160408LF							● ● ●													● ● ●				● ● ●																
	VNGG220408LF							●																																	
VNGP 	VNGP160401 VNGP160402 VNGP220404							● ● ●													● ●	● ●			●																
	VNGP220408							●													●				●																
VNMA 	VNMA160408												●	●																											

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

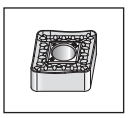


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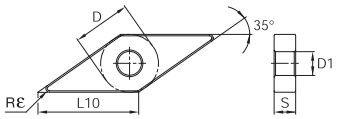


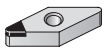
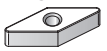
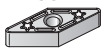
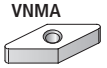
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A28-A32


A33-A37

VN..

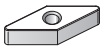
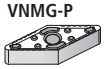


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
VNMA160408S01020	VNMA332S0420	3/8	9,53	.65	16,61	3/16	4,76	1/32	0,8	.150	3,81	VNMA 
VNMS160404E VNMS160408E	VNMS331E VNMS332E	3/8 3/8	9,53 9,53	.65 .65	16,61 16,61	3/16 3/16	4,76 4,76	1/64 1/32	0,4 0,8	.150 .150	3,81 3,81	VNMS-E 
VNMS160404F VNMS160408F	VNMS331F VNMS332F	3/8 3/8	9,53 9,53	.65 .65	16,61 16,61	3/16 3/16	4,76 4,76	1/64 1/32	0,4 0,8	.150 .150	3,81 3,81	VNMS-F 
VNGA160404T01020 VNGA160404T02020 VNGA160408T01020 VNGA160408T02020 VNGA160412T02020 VNGA220408T02020 VNGA220412T02020 VNGA220416T02020	VNGA331T0420 VNGA331T0820 VNGA332T0420 VNGA332T0820 VNGA333T0820 VNGA432T0820 VNGA433T0820 VNGA434T0820	3/8 3/8 3/8 3/8 3/8 1/2 1/2 1/2	9,53 9,53 9,53 9,53 9,53 12,70 12,70 12,70	.65 .65 .65 .65 .65 .87 .87 .87	16,61 16,61 16,61 16,61 16,61 22,14 22,14 22,14	3/16 3/16 3/16 3/16 3/16 3/16 3/16 3/16	4,76 4,76 4,76 4,76 4,76 4,76 4,76 4,76	1/64 1/64 1/32 1/32 3/64 1/32 3/64 1/16	0,4 0,4 0,8 0,8 1,2 0,8 1,2 1,6	.150 .150 .150 .150 .150 .203 .203 .203	3,81 3,81 3,81 3,81 3,81 5,16 5,16 5,16	VNGA 
VNGG160401FS VNGG160402FS VNGG160404FS VNGG160408FS VNGG160412FS	VNGG330FS VNGG3305FS VNGG331FS VNGG332FS VNGG333FS	3/8 3/8 3/8 3/8 3/8	9,53 9,53 9,53 9,53 9,53	.65 .65 .65 .65 .65	16,61 16,61 16,61 16,61 16,61	3/16 3/16 3/16 3/16 3/16	4,76 4,76 4,76 4,76 4,76	.004 .008 1/64 1/32 3/64	0,1 0,2 0,4 0,8 1,2	.150 .150 .150 .150 .150	3,81 3,81 3,81 3,81 3,81	VNGG-FS 
VNGG160402LF VNGG160404LF VNGG160408LF VNGG220408LF	VNGG3305LF VNGG331LF VNGG332LF VNGG432LF	3/8 3/8 3/8 1/2	9,53 9,53 9,53 12,70	.65 .65 .65 .87	16,61 16,61 16,61 22,14	3/16 3/16 3/16 3/16	4,76 4,76 4,76 4,76	.008 1/64 1/32 1/32	0,2 0,4 0,8 0,8	.150 .150 .150 .203	3,81 3,81 3,81 5,16	VNGG-LF 
VNGP160401 VNGP160402 VNGP220404 VNGP220408	VNGP330 VNGP3305 VNGP431 VNGP432	3/8 3/8 1/2 1/2	9,53 9,53 12,70 12,70	.65 .65 .87 .87	16,61 16,61 22,14 22,14	3/16 3/16 3/16 3/16	4,76 4,76 4,76 4,76	.004 .008 1/64 1/32	0,1 0,2 0,4 0,8	.150 .150 .203 .203	3,81 3,81 5,16 5,16	VNGP 
VNMA160408	VNMA332	3/8	9,53	.65	16,61	3/16	4,76	1/32	0,8	.150	3,81	VNMA 

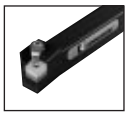
Bestellbeispiel:
ISO-Katalognummer: VNMA160408S01020
Schneidstoffsorte: KD120

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P					M					K										N				S									H					KENNA UNIVERSAL	
		KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	KT315	KC5010	KC9225	KC9240	KC9245	KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	K313	KC5410	KD1405	KD100	K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	KY4400	KY1615	KB9610	KB5625	KB9640	KU10T	KU30T
VNMA-E 	VNMA160408E																			●																			●		
VNMG-FF 	VNMG160404FF	●	●				●	●	●			●																●												
	VNMG160408FF	●	●				●	●	●			●																●												
VNMG-FN 	VNMG160404FN	●	●	●			●					●	●																											
	VNMG160408FN	●	●	●			●					●	●																											
VNMG-FP 	VNMG160404FP	●			●		●	●	●			●																●										●	
	VNMG160408FP	●			●		●	●	●			●																●										●	
VNMG-MN 	VNMG160404MN		●	●	●																																	●
	VNMG160408MN		●	●	●																																			●
	VNMG160412MN		●	●	●	●																																		●
VNMG-MP 	VNMG160404MP				●			●	●	●	●																		●	●	●								●	●
	VNMG160408MP				●			●	●	●	●																		●	●	●								●	●
	VNMG160412MP				●			●	●	●	●																		●	●	●								●	●
VNMG-MS 	VNMG160401MS																				●				●		●	●											
	VNMG160402MS																				●				●		●	●											
	VNMG160404MS																				●				●		●	●											
	VNMG160408MS																				●				●		●	●											
	VNMG220404MS																				●				●		●	●											
	VNMG220408MS																				●				●		●	●											
VNMG-P 	VNMG160404P							●	●	●																				●	●								
	VNMG160408P							●	●	●																				●	●									

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236

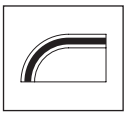

A240-A244

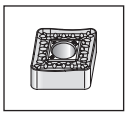


A6-A19

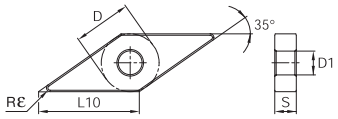


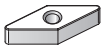
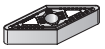
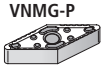
A26-A27


A28-A32


A33-A37

VN..

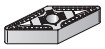
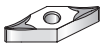


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
VNMA160408E	VNMA332E	3/8	9,53	.65	16,61	3/16	4,76	1/32	0,8	.150	3,81	VNMA-E 
VNMG160404FF VNMG160408FF	VNMG331FF VNMG332FF	3/8 3/8	9,53 9,53	.65 .65	16,61 16,61	3/16 3/16	4,76 4,76	1/64 1/32	0,4 0,8	.150 .150	3,81 3,81	VNMG-FF 
VNMG160404FN VNMG160408FN	VNMG331FN VNMG332FN	3/8 3/8	9,53 9,53	.65 .65	16,61 16,61	3/16 3/16	4,76 4,76	1/64 1/32	0,4 0,8	.150 .150	3,81 3,81	VNMG-FN 
VNMG160404FP VNMG160408FP	VNMG331FP VNMG332FP	3/8 3/8	9,53 9,53	.65 .65	16,61 16,61	3/16 3/16	4,76 4,76	1/64 1/32	0,4 0,8	.150 .150	3,81 3,81	VNMG-FP 
VNMG160404MN VNMG160408MN VNMG160412MN	VNMG331MN VNMG332MN VNMG333MN	3/8 3/8 3/8	9,53 9,53 9,53	.65 .65 .65	16,61 16,61 16,61	3/16 3/16 3/16	4,76 4,76 4,76	1/64 1/32 3/64	0,4 0,8 1,2	.150 .150 .150	3,81 3,81 3,81	VNMG-MN 
VNMG160404MP VNMG160408MP VNMG160412MP	VNMG331MP VNMG332MP VNMG333MP	3/8 3/8 3/8	9,53 9,53 9,53	.65 .65 .65	16,61 16,61 16,61	3/16 3/16 3/16	4,76 4,76 4,76	1/64 1/32 3/64	0,4 0,8 1,2	.150 .150 .150	3,81 3,81 3,81	VNMG-MP 
VNMG160401MS VNMG160402MS VNMG160404MS VNMG160408MS VNMG220404MS VNMG220408MS	VNMG330MS VNMG3305MS VNMG331MS VNMG332MS VNMG431MS VNMG432MS	3/8 3/8 3/8 3/8 1/2 1/2	9,53 9,53 9,53 9,53 12,70 12,70	.65 .65 .65 .65 .87 .87	16,61 16,61 16,61 16,61 22,14 22,14	3/16 3/16 3/16 3/16 3/16 3/16	4,76 4,76 4,76 4,76 4,76 4,76	.004 .008 1/64 1/32 1/64 1/32	0,1 0,2 0,4 0,8 0,4 0,8	.150 .150 .150 .150 .203 .203	3,81 3,81 3,81 3,81 5,16 5,16	VNMG-MS 
VNMG160404P VNMG160408P	VNMG331P VNMG332P	3/8 3/8	9,53 9,53	.65 .65	16,61 16,61	3/16 3/16	4,76 4,76	1/64 1/32	0,4 0,8	.150 .150	3,81 3,81	VNMG-P 

Bestellbeispiel:
ISO-Katalognummer: VNMA160408E
Schneidstoffsorte: KB9640

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	M: KT315	KC5010	KC9225	KC9240	KC9245	K: KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	H: KY4400	KY1615	KB9610	KB5625	KB9640	KENNA UNIVERSAL: KU10T	KU30T
VNMG-RN 	VNMG160408RN		●	●	●	●																																		●
	VNMG160412RN		●	●	●	●																																		●
	VNMG220408RN		●	●	●	●																																		
	VNMG220412RN		●	●	●	●																																		
VNMG-RP 	VNMG160408RP		●	●	●		●	●	●	●			●	●												●	●	●	●	●										●
	VNMG160412RP		●	●	●		●	●	●	●			●	●												●	●	●	●	●										●
VNMG-UN 	VNMG160404UN												●	●																										
	VNMG160408UN												●	●																										
VNMP-K 	VNMP160404K		●	●																																		
	VNMP160408K		●	●																																		
VNMS 	VNMS160404																					●				●													
	VNMS160408																					●				●													
WNGA-FW/ MW MT 	WNGA080404S01020FWMT																																			●			
	WNGA080408S01020FWMT																																			●			
	WNGA080412S01020FWMT																																			●			
WNGA-MT 	WNGA080404S01020MT																																			●			
	WNGA080408S01020MT																																			●			
	WNGA080412S01020MT																																			●			
WNGA-FW 	WNGA080404EFW														●																				●					
	WNGA080408EFW														●																				●					
	WNGA080408T01020FW															●	●	●																						
	WNGA080412EFW														●																				●					
	WNGA080412T01020FW															●	●	●																						
	WNGA080412T02020FW															●																								
	WNGA080416T01020FW																	●	●																					

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

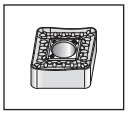


A6-A19

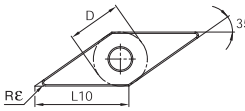


A26-A27

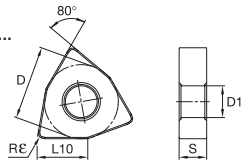

A28-A32


A33-A37

VN...



WN...

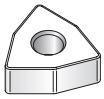
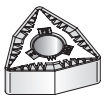
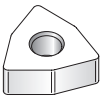
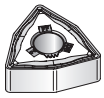


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
VNMG160408RN	VNMG332RN	3/8	9,53	.65	16,61	3/16	4,76	1/32	0,8	.150	3,81	VNMG-RN
VNMG160412RN	VNMG333RN	3/8	9,53	.65	16,61	3/16	4,76	3/64	1,2	.150	3,81	
VNMG220408RN	VNMG432RN	1/2	12,70	.87	22,14	3/16	4,76	1/32	0,8	.203	5,16	
VNMG220412RN	VNMG433RN	1/2	12,70	.87	22,14	3/16	4,76	3/64	1,2	.203	5,16	
VNMG160408RP	VNMG332RP	3/8	9,53	.65	16,61	3/16	4,76	1/32	0,8	.150	3,81	VNMG-RP
VNMG160412RP	VNMG333RP	3/8	9,53	.65	16,61	3/16	4,76	3/64	1,2	.150	3,81	
VNMG160404UN	VNMG331UN	3/8	9,53	.65	16,61	3/16	4,76	1/64	0,4	.150	3,81	VNMG-UN
VNMG160408UN	VNMG332UN	3/8	9,53	.65	16,61	3/16	4,76	1/32	0,8	.150	3,81	
VNMP160404K	VNMP331K	3/8	9,53	.65	16,61	3/16	4,76	1/64	0,4	.150	3,81	VNMP-K
VNMP160408K	VNMP332K	3/8	9,53	.65	16,61	3/16	4,76	1/32	0,8	.150	3,81	
VNMS160404	VNMS331	3/8	9,53	.65	16,61	3/16	4,76	1/64	0,4	.150	3,81	VNMS
VNMS160408	VNMS332	3/8	9,53	.65	16,61	3/16	4,76	1/32	0,8	.150	3,81	
WNGA080404S01020FWMT	WNGA431S0420FWMT	1/2	12,70	.34	8,69	3/16	4,76	1/64	0,4	.203	5,16	WNGA-FW/ MW MT
WNGA080408S01020FWMT	WNGA432S0420FWMT	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNGA080412S01020FWMT	WNGA433S0420FWMT	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNGA080404S01020MT	WNGA431S0420MT	1/2	12,70	.34	8,69	3/16	4,76	1/64	0,4	.203	5,16	WNGA-MT
WNGA080408S01020MT	WNGA432S0420MT	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNGA080412S01020MT	WNGA433S0420MT	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNGA080404EFW	WNGA431FW	1/2	12,70	.34	8,69	3/16	4,76	1/64	0,4	.203	5,16	WNGA-FW
WNGA080408EFW	WNGA432FW	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNGA080408T01020FW	WNGA432T0420FW	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNGA080412EFW	WNGA433FW	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNGA080412T01020FW	WNGA433T0420FW	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNGA080412T02020FW	WNGA433T0820FW	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNGA080416T01020FW	WNGA434T0420FW	1/2	12,70	.34	8,69	3/16	4,76	1/16	1,6	.203	5,16	

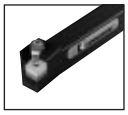
Bestellbeispiel:
ISO-Katalognummer: VNMG160408RN
Schneidstoffsorte: KC9110

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P KT315	P KC9110	P KC9125	P KC8050	P KC9040/KC9140*	M KT315	M KC5010	M KC9225	M KC9240	M KC9245	K KT315	K KC9315	K KC9325	K KY4400	K KY1310	K KY3400	K KY3500	K KD120	K KB9640	N K313	N KC5410	N KD1405	N KD100	S K313	S K68	S KC5510	S KC5525	S KC9225	S KC9240	S KC9245	S KY2100	S KY1540	S KD120	H KY4400	H KY1615	H KB9610	H KB5625	H KB9640	KENNA UNIVERSAL KU10T	KU30T
WNGA 	WNGA080404T01020														●																			●						
	WNGA080408T01020														●																			●						
	WNGA080408T02020																●	●																							
	WNGA080412T01020														●																			●						
	WNGA080412T02020															●	●	●																							
	WNGA080416T02020															●	●	●																							
WNGG-FS 	WNGG080401FS																				●				●		●	●												
	WNGG080402FS																				●				●		●	●												
	WNGG080404FS																				●				●		●	●												
	WNGG080408FS																				●				●		●	●												
	WNGG080412FS																				●				●		●	●												
WNGG-LF 	WNGG080401LF							●																																
	WNGG080402LF							●																																
	WNGG080404LF							●																																
	WNGG080408LF							●																																
WNMA 	WNMA060408												●	●																										
	WNMA060412												●	●																										
	WNMA080408												●	●																										
	WNMA080408S02020																			●																		●		
	WNMA080412												●	●																									●		
	WNMA080412E																			●																		●		
	WNMA080412S02020																			●																		●		
	WNMA080412T02020																	●																						
	WNMA080416												●	●																										
	WNMA080416S02020																			●																		●		
WNMA-MW 	WNMA080408S02020MW																			●																		●		
	WNMA080412S02020MW																			●																		●		
WNMG-FF 	WNMG060404FF	●	●				●	●	●			●																●											
	WNMG060408FF	●	●				●	●	●			●																●											
	WNMG080404FF	●	●				●	●	●			●																●											
	WNMG080408FF	●	●				●	●	●			●																●											
WNMG-FN 	WNMG060404FN	●	●	●			●					●	●																										
	WNMG060408FN	●	●	●			●					●	●																										
	WNMG080404FN	●	●	●			●					●	●																										
	WNMG080408FN	●	●	●			●					●	●																										
	WNMG080412FN	●	●	●			●					●	●																										
	WNMG080416FN	●	●	●			●					●	●																										

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

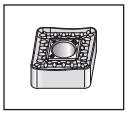


A6-A19

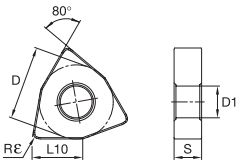


A26-A27


A28-A32


A33-A37

WN..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
WNGA080404T01020	WNGA431T0420	1/2	12,70	.34	8,69	3/16	4,76	1/64	0,4	.203	5,16	WNGA
WNGA080408T01020	WNGA432T0420	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNGA080408T02020	WNGA432T0820	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNGA080412T01020	WNGA433T0420	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNGA080412T02020	WNGA433T0820	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNGA080416T02020	WNGA434T0820	1/2	12,70	.34	8,69	3/16	4,76	1/16	1,6	.203	5,16	
WNGG080401FS	WNGG430FS	1/2	12,70	.34	8,69	3/16	4,76	.004	0,1	.203	5,16	WNGG-FS
WNGG080402FS	WNGG4305FS	1/2	12,70	.34	8,69	3/16	4,76	.008	0,2	.203	5,16	
WNGG080404FS	WNGG431FS	1/2	12,70	.34	8,69	3/16	4,76	1/64	0,4	.203	5,16	
WNGG080408FS	WNGG432FS	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNGG080412FS	WNGG433FS	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNGG080401LF	WNGG430LF	1/2	12,70	.34	8,69	3/16	4,76	.004	0,1	.203	5,16	WNGG-LF
WNGG080402LF	WNGG4305LF	1/2	12,70	.34	8,69	3/16	4,76	.008	0,2	.203	5,16	
WNGG080404LF	WNGG431LF	1/2	12,70	.34	8,69	3/16	4,76	1/64	0,4	.203	5,16	
WNGG080408LF	WNGG432LF	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMA060408	WNMA332	3/8	9,53	.26	6,52	3/16	4,76	1/32	0,8	.150	3,81	WNMA
WNMA060412	WNMA333	3/8	9,53	.26	6,52	3/16	4,76	3/64	1,2	.150	3,81	
WNMA080408	WNMA432	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMA080408S02020	WNMA432S0820	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMA080412	WNMA433	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMA080412E	WNMA433E	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMA080412S02020	WNMA433S0820	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMA080412T02020	WNMA433T0820	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMA080416	WNMA434	1/2	12,70	.34	8,69	3/16	4,76	1/16	1,6	.203	5,16	
WNMA080416S02020	WNMA434S0820	1/2	12,70	.34	8,69	3/16	4,76	1/16	1,6	.203	5,16	
WNMA080408S02020MW	WNMA432S0820MW	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	WNMA-MW
WNMA080412S02020MW	WNMA433S0820MW	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMG060404FF	WNMG331FF	3/8	9,53	.26	6,52	3/16	4,76	1/64	0,4	.150	3,81	WNMG-FF
WNMG060408FF	WNMG332FF	3/8	9,53	.26	6,52	3/16	4,76	1/32	0,8	.150	3,81	
WNMG080404FF	WNMG431FF	1/2	12,70	.34	8,69	3/16	4,76	1/64	0,4	.203	5,16	
WNMG080408FF	WNMG432FF	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMG060404FN	WNMG331FN	3/8	9,53	.26	6,52	3/16	4,76	1/64	0,4	.150	3,81	WNMG-FN
WNMG060408FN	WNMG332FN	3/8	9,53	.26	6,52	3/16	4,76	1/32	0,8	.150	3,81	
WNMG080404FN	WNMG431FN	1/2	12,70	.34	8,69	3/16	4,76	1/64	0,4	.203	5,16	
WNMG080408FN	WNMG432FN	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMG080412FN	WNMG433FN	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMG080416FN	WNMG434FN	1/2	12,70	.34	8,69	3/16	4,76	1/16	1,6	.203	5,16	

Bestellbeispiel:
ISO-Katalognummer: WNGA080404T01020
Schneidstoffsorte: KY4400

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P					M					K									N				S									H					KENNA UNIVERSAL	
		KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	KT315	KC5010	KC9225	KC9240	KC9245	KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	K313	KC5410	KD1405	KD100	K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	KY4400	KY1615	KB9610	KB5625	KB9640	KU10T	KU30T
WNMG-FP	WNMG060404FP	●			●		●	●	●			●																	●										●	
	WNMG060408FP	●			●		●	●	●			●																	●										●	
	WNMG080404FP	●			●		●	●	●			●																	●										●	
	WNMG080408FP	●			●		●	●	●			●																	●										●	
	WNMG080412FP	●			●		●	●	●			●																	●											
WNMG-FW	WNMG060404FW	●	●				●	●	●			●	●																	●											
	WNMG060408FW	●	●				●	●	●			●	●																	●											
	WNMG060412FW	●	●				●	●	●			●	●																	●											
	WNMG080404FW	●	●				●	●	●			●	●																	●											
	WNMG080408FW	●	●				●	●	●			●	●																	●											
	WNMG080412FW	●	●				●	●	●			●	●																	●											
WNMG-MN	WNMG060404MN		●	●	●	●																																	●
	WNMG060408MN		●	●	●	●																																	●
	WNMG060412MN		●	●	●	●																																	●
	WNMG080408MN		●	●	●	●																																	●
	WNMG080412MN		●	●	●	●																																	●
	WNMG080416MN		●	●	●	●																																	
WNMG-MP	WNMG060404MP				●			●	●	●	●																		●	●	●								●	●
	WNMG060408MP				●			●	●	●	●																		●	●	●								●	●
	WNMG060412MP				●			●	●	●	●																		●	●	●								●	●
	WNMG080408MP				●			●	●	●	●																		●	●	●								●	●
	WNMG080412MP				●			●	●	●	●																		●	●	●								●	●
WNMG-MS	WNMG060408MS																				●				●		●	●											
	WNMG060412MS																				●				●		●	●											
	WNMG080401MS																				●				●		●	●											
	WNMG080402MS																				●				●		●	●											
	WNMG080404MS																				●				●		●	●											
	WNMG080408MS																				●				●		●	●											
WNMG-MW	WNMG060408MW		●	●	●				●	●			●	●															●	●									
	WNMG060412MW		●	●	●				●	●			●	●															●	●									
	WNMG080408MW		●	●	●				●	●			●	●															●	●									
	WNMG080412MW		●	●	●				●	●			●	●															●	●									
WNMG-P	WNMG080404P							●	●																				●											
	WNMG080408P							●	●	●																			●	●										
	WNMG080412P									●																				●										
WNMG-RN	WNMG060408RN		●	●	●	●																																	●
	WNMG060412RN		●	●	●	●																																	●
	WNMG080408RN		●	●	●	●																																	●
	WNMG080412RN		●	●	●	●																																	●
	WNMG080416RN		●	●	●	●																																	

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

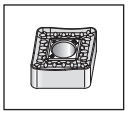


A6-A19

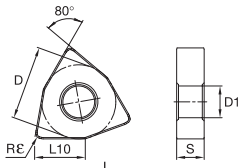


A26-A27


A28-A32


A33-A37

WN..

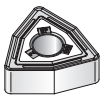
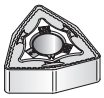


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
WNMG060404FP	WNMG331FP	3/8	9,53	.26	6,52	3/16	4,76	1/64	0,4	.150	3,81	WNMG-FP
WNMG060408FP	WNMG332FP	3/8	9,53	.26	6,52	3/16	4,76	1/32	0,8	.150	3,81	
WNMG080404FP	WNMG431FP	1/2	12,70	.34	8,69	3/16	4,76	1/64	0,4	.203	5,16	
WNMG080408FP	WNMG432FP	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMG080412FP	WNMG433FP	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMG060404FW	WNMG331FW	3/8	9,53	.26	6,52	3/16	4,76	1/64	0,4	.150	3,81	WNMG-FW
WNMG060408FW	WNMG332FW	3/8	9,53	.26	6,52	3/16	4,76	1/32	0,8	.150	3,81	
WNMG060412FW	WNMG333FW	3/8	9,53	.26	6,52	3/16	4,76	3/64	1,2	.150	3,81	
WNMG080404FW	WNMG431FW	1/2	12,70	.34	8,69	3/16	4,76	1/64	0,4	.203	5,16	
WNMG080408FW	WNMG432FW	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMG080412FW	WNMG433FW	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMG060404MN	WNMG331MN	3/8	9,53	.26	6,52	3/16	4,76	1/64	0,4	.150	3,81	WNMG-MN
WNMG060408MN	WNMG332MN	3/8	9,53	.26	6,52	3/16	4,76	1/32	0,8	.150	3,81	
WNMG060412MN	WNMG333MN	3/8	9,53	.26	6,52	3/16	4,76	3/64	1,2	.150	3,81	
WNMG080408MN	WNMG432MN	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMG080412MN	WNMG433MN	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMG080416MN	WNMG434MN	1/2	12,70	.34	8,69	3/16	4,76	1/16	1,6	.203	5,16	
WNMG060404MP	WNMG331MP	3/8	9,53	.26	6,52	3/16	4,76	1/64	0,4	.150	3,81	WNMG-MP
WNMG060408MP	WNMG332MP	3/8	9,53	.26	6,52	3/16	4,76	1/32	0,8	.150	3,81	
WNMG060412MP	WNMG333MP	3/8	9,53	.26	6,52	3/16	4,76	3/64	1,2	.150	3,81	
WNMG080408MP	WNMG432MP	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMG080412MP	WNMG433MP	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMG060408MS	WNMG332MS	3/8	9,53	.26	6,52	3/16	4,76	1/32	0,8	.150	3,81	WNMG-MS
WNMG060412MS	WNMG333MS	3/8	9,53	.26	6,52	3/16	4,76	3/64	1,2	.150	3,81	
WNMG080401MS	WNMG430MS	1/2	12,70	.34	8,69	3/16	4,76	.004	0,1	.203	5,16	
WNMG080402MS	WNMG4305MS	1/2	12,70	.34	8,69	3/16	4,76	.008	0,2	.203	5,16	
WNMG080404MS	WNMG431MS	1/2	12,70	.34	8,69	3/16	4,76	1/64	0,4	.203	5,16	
WNMG080408MS	WNMG432MS	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMG060408MW	WNMG332MW	3/8	9,53	.26	6,52	3/16	4,76	1/32	0,8	.150	3,81	WNMG-MW
WNMG060412MW	WNMG333MW	3/8	9,53	.26	6,52	3/16	4,76	3/64	1,2	.150	3,81	
WNMG080408MW	WNMG432MW	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMG080412MW	WNMG433MW	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMG080404P	WNMG431P	1/2	12,70	.34	8,69	3/16	4,76	1/64	0,4	.203	5,16	WNMG-P
WNMG080408P	WNMG432P	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMG080412P	WNMG433P	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMG060408RN	WNMG332RN	3/8	9,53	.26	6,52	3/16	4,76	1/32	0,8	.150	3,81	WNMG-RN
WNMG060412RN	WNMG333RN	3/8	9,53	.26	6,52	3/16	4,76	3/64	1,2	.150	3,81	
WNMG080408RN	WNMG432RN	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMG080412RN	WNMG433RN	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMG080416RN	WNMG434RN	1/2	12,70	.34	8,69	3/16	4,76	1/16	1,6	.203	5,16	

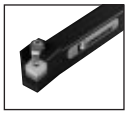
Bestellbeispiel:
ISO-Katalognummer: WNMG060404FP
Schneidstoffsorte: KT315

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P					M					K								N				S									H					KENNA UNIVERSAL	
		KT315	KC9110	KC9125	KC8050	KC9040/KC9140*	KT315	KC5010	KC9225	KC9240	KC9245	KT315	KC9315	KC9325	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	K313	KC5410	KD1405	KD100	K313	K68	KC5510	KC5525	KC9225	KC9240	KC9245	KY2100	KY1540	KD120	KY4400	KY1615	KB9610	KB5625	KB9640	KU10T	KU30T
WNMG-RP 	WNMG060408RP		●	●	●			●	●	●			●	●													●	●	●	●											●
	WNMG060412RP		●	●	●			●	●	●			●	●													●	●	●	●											●
	WNMG080408RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●										●
	WNMG080412RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●										●
	WNMG080416RP		●	●	●			●	●	●	●		●	●													●	●	●	●	●										●
WNMG-UN 	WNMG060404UN												●	●																										
	WNMG060408UN												●	●																										
	WNMG060412UN												●	●																										
	WNMG080404UN												●	●																										
	WNMG080408UN												●	●																										
	WNMG080412UN												●	●																										
	WNMG080416UN												●	●																										

*Der Schneidstoff KC9040 wird durch KC9140 ersetzt, verfügbar Frühjahr 2005


A152-A170


A206-A210


A236


A240-A244

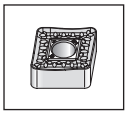


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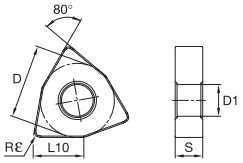


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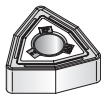

A28-A32


A33-A37

WN..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
WNMG060408RP	**WNMG332RP**	3/8	9,53	.26	6,52	3/16	4,76	1/32	0,8	.150	3,81	**WNMG-RP**
WNMG060412RP	**WNMG333RP**	3/8	9,53	.26	6,52	3/16	4,76	3/64	1,2	.150	3,81	
WNMG080408RP	**WNMG432RP**	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMG080412RP	**WNMG433RP**	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMG080416RP	**WNMG434RP**	1/2	12,70	.34	8,69	3/16	4,76	1/16	1,6	.203	5,16	
WNMG060404UN	**WNMG331UN**	3/8	9,53	.26	6,52	3/16	4,76	1/64	0,4	.150	3,81	**WNMG-UN**
WNMG060408UN	**WNMG332UN**	3/8	9,53	.26	6,52	3/16	4,76	1/32	0,8	.150	3,81	
WNMG060412UN	**WNMG333UN**	3/8	9,53	.26	6,52	3/16	4,76	3/64	1,2	.150	3,81	
WNMG080404UN	**WNMG431UN**	1/2	12,70	.34	8,69	3/16	4,76	1/64	0,4	.203	5,16	
WNMG080408UN	**WNMG432UN**	1/2	12,70	.34	8,69	3/16	4,76	1/32	0,8	.203	5,16	
WNMG080412UN	**WNMG433UN**	1/2	12,70	.34	8,69	3/16	4,76	3/64	1,2	.203	5,16	
WNMG080416UN	**WNMG434UN**	1/2	12,70	.34	8,69	3/16	4,76	1/16	1,6	.203	5,16	





Bestellbeispiel:
ISO-Katalognummer: **WNMG060408RP**
Schneidstoffsorte: **KC9110**

KENDEX negative Wendeschneidplatten

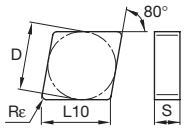
Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P		M	K									N				S							H			
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	CNGN120404T02020																									●			
	CNGN120408T01020							●													●	●	●	●		●			
	CNGN120408T02020								●	●	●																●		
	CNGN120412E																							●					
	CNGN120412T01020							●													●	●	●	●		●			
	CNGN120412T02020								●	●	●																●		
	CNGN120416E																							●					
	CNGN120416T01020							●													●	●	●	●		●			
	CNGN120416T02020								●	●	●																●		
	CNGN120708E																							●					
	CNGN120708T01020							●													●			●		●			
	CNGN120708T02020									●	●																●		
	CNGN120712E																							●					
	CNGN120712T00520																										●		
	CNGN120712T01020							●													●	●		●		●			
	CNGN120712T02020								●	●	●																●		
	CNGN120716E																							●					
	CNGN120716T01020							●													●	●		●		●			
	CNGN120716T02020								●	●	●																●		
	CNGN160408T02020																										●		
	CNGN160412T02020										●																●		
	CNGN160416T02020										●																●		
	CNGN160612T02020																										●		
	CNGN160616T01020																							●					
	CNGN160616T02020																										●		
	CNGN160708T01020							●																		●			
	CNGN160708T02020																										●		
	CNGN160712T01020							●																		●			
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	CNGX160708T02020										●																●		
	CNGX160712T02020										●																●		
	CNGX160716T02020								●		●																●		
	CNGX160724T02020										●																		
CNGX-FW	CNGX120708T01020FW										●																		
	CNGX120712T01020FW								●		●																		
	CNGX120712T02020FW								●																				
	CNGX120716T01020FW										●																		

*KY1525 verfügbar Frühjahr 2005.

A171-A186 | A211-A217 | A6-A19 | A26-A27 | A28-A32 | A33-A37

CN..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	
CNGN120404T01020	CNG431T0420	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	CNGN
CNGN120404T02020	CNG431T0820	1/2	12,70	.51	12,90	3/16	4,76	1/64	0,4	
CNGN120408T01020	CNG432T0420	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	
CNGN120408T02020	CNG432T0820	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	
CNGN120412E	CNG433E	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	
CNGN120412T01020	CNG433T0420	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	
CNGN120412T02020	CNG433T0820	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	
CNGN120416E	CNG434E	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	
CNGN120416T01020	CNG434T0420	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	
CNGN120416T02020	CNG434T0820	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	
CNGN120708E	CNG452E	1/2	12,70	.51	12,90	5/16	7,94	1/32	0,8	
CNGN120708T01020	CNG452T0420	1/2	12,70	.51	12,90	5/16	7,94	1/32	0,8	
CNGN120708T02020	CNG452T0820	1/2	12,70	.51	12,90	5/16	7,94	1/32	0,8	
CNGN120712E	CNG453E	1/2	12,70	.51	12,90	5/16	7,94	3/64	1,2	
CNGN120712T00520	CNG453T0220	1/2	12,70	.51	12,90	5/16	7,94	3/64	1,2	
CNGN120712T01020	CNG453T0420	1/2	12,70	.51	12,90	5/16	7,94	3/64	1,2	
CNGN120712T02020	CNG453T0820	1/2	12,70	.51	12,90	5/16	7,94	3/64	1,2	
CNGN120716E	CNG454E	1/2	12,70	.51	12,90	5/16	7,94	1/16	1,6	
CNGN120716T01020	CNG454T0420	1/2	12,70	.51	12,90	5/16	7,94	1/16	1,6	
CNGN120716T02020	CNG454T0820	1/2	12,70	.51	12,90	5/16	7,94	1/16	1,6	
CNGN160408T02020	CNG532T0820	5/8	15,88	.63	16,12	3/16	4,76	1/32	0,8	
CNGN160412T02020	CNG533T0820	5/8	15,88	.63	16,12	3/16	4,76	3/64	1,2	
CNGN160416T02020	CNG534T0820	5/8	15,88	.63	16,12	3/16	4,76	1/16	1,6	
CNGN160612T02020	CNG543T0820	5/8	15,88	.63	16,12	1/4	6,35	3/64	1,2	
CNGN160616T01020	CNG544T0420	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	
CNGN160616T02020	CNG544T0820	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	
CNGN160708T01020	CNG552T0420	5/8	15,88	.63	16,12	5/16	7,94	1/32	0,8	
CNGN160708T02020	CNG552T0820	5/8	15,88	.63	16,12	5/16	7,94	1/32	0,8	
CNGN160712T01020	CNG553T0420	5/8	15,88	.63	16,12	5/16	7,94	3/64	1,2	
CNGN160712T02020	CNG553T0820	5/8	15,88	.63	16,12	5/16	7,94	3/64	1,2	
CNGN160716T01020	CNG554T0420	5/8	15,88	.63	16,12	5/16	7,94	1/16	1,6	
CNGN160716T02020	CNG554T0820	5/8	15,88	.63	16,12	5/16	7,94	1/16	1,6	
CNGN160716T05015	CNG554T2015	5/8	15,88	.63	16,12	5/16	7,94	1/16	1,6	
CNGN190608T02020	CNG642T0820	3/4	19,05	.76	19,34	1/4	6,35	1/32	0,8	
CNGN190612T02020	CNG643T0820	3/4	19,05	.76	19,34	1/4	6,35	3/64	1,2	
CNGN190616T02020	CNG644T0820	3/4	19,05	.76	19,34	1/4	6,35	1/16	1,6	
CNGN190716T01020	CNG654T0420	3/4	19,05	.76	19,34	5/16	7,94	1/16	1,6	
CNGN190732T02020	CNG658T0820	3/4	19,05	.76	19,34	5/16	7,94	1/8	3,2	
CNGX120708E	CNGX452E	1/2	12,70	.51	12,90	5/16	7,94	1/32	0,8	CNGX
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CNGX120708T02020	CNGX452T0820	1/2	12,70	.51	12,90	5/16	7,94	1/32	0,8	
CNGX120712E	CNGX453E	1/2	12,70	.51	12,90	5/16	7,94	3/64	1,2	
CNGX120712T01020	CNGX453T0420	1/2	12,70	.51	12,90	5/16	7,94	3/64	1,2	
CNGX120712T02020	CNGX453T0820	1/2	12,70	.51	12,90	5/16	7,94	3/64	1,2	
CNGX120716E	CNGX454E	1/2	12,70	.51	12,90	5/16	7,94	1/16	1,6	
CNGX120716T01020	CNGX454T0420	1/2	12,70	.51	12,90	5/16	7,94	1/16	1,6	
CNGX120716T02020	CNGX454T0820	1/2	12,70	.51	12,90	5/16	7,94	1/16	1,6	
CNGX160708T02020	CNGX552T0820	5/8	15,88	.63	16,12	5/16	7,94	1/32	0,8	
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CNGX160716T02020	CNGX554T0820	5/8	15,88	.63	16,12	5/16	7,94	1/16	1,6	
CNGX160724T02020	CNGX556T0820	5/8	15,88	.63	16,12	5/16	7,94	3/32	2,4	
CNGX120708T01020FW	CNGX452T0420FW	1/2	12,70	.51	12,90	5/16	7,94	1/32	0,8	CNGX-FW
CNGX120712T01020FW	CNGX453T0420FW	1/2	12,70	.51	12,90	5/16	7,94	3/64	1,2	
CNGX120712T02020FW	CNGX453T0820FW	1/2	12,70	.51	12,90	5/16	7,94	3/64	1,2	
CNGX120716T01020FW	CNGX454T0420FW	1/2	12,70	.51	12,90	5/16	7,94	1/16	1,6	

Bestellbeispiel:
ISO-Katalognummer: CNGN120404T01020
Schneidstoffsorte: KY4400

KENDEX negative Wendeschneidplatten

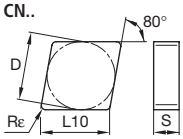
Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P		M	K								N				S								H			
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	CNMN090312E												●															●
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	DNGX150716T01020																							●				
	DNGX150716T02020								●	●	●																●	
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	DNMN110308S02020												●															●
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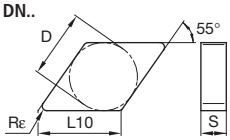
*KY1525 verfügbar Frühjahr 2005.

A171-A186 | A211-A217 | A6-A19 | A26-A27 | A28-A32 | A33-A37

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DN..

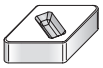
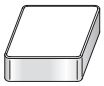
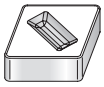
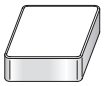
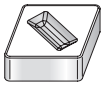


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	
CNMN090308E	CNM322E	3/8	9,53	.38	9,76	1/8	3,18	1/32	0,8	CNMN
CNMN090308S02020	CNM322S0820	3/8	9,53	.38	9,76	1/8	3,18	1/32	0,8	
CNMN090312E	CNM323E	3/8	9,53	.38	9,76	1/8	3,18	3/64	1,2	
CNMN090312S02020	CNM323S0820	3/8	9,53	.38	9,76	1/8	3,18	3/64	1,2	
CNMN120312E	CNM423E	1/2	12,70	.51	12,90	1/8	3,18	3/64	1,2	
CNMN120312S02020	CNM423S0820	1/2	12,70	.51	12,90	1/8	3,18	3/64	1,2	
CNMN120316S02020	CNM424S0820	1/2	12,70	.51	12,90	1/8	3,18	1/16	1,6	
CNMN120408S02020	CNM432S0820	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	
CNMN120408T02020	CNM432T0820	1/2	12,70	.51	12,90	3/16	4,76	1/32	0,8	
CNMN120412S02020	CNM433S0820	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	
CNMN120412S03020	CNM433S1220	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	
CNMN120412T02020	CNM433T0820	1/2	12,70	.51	12,90	3/16	4,76	3/64	1,2	
CNMN120416S02020	CNM434S0820	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	
CNMN120416S03020	CNM434S1220	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	
CNMN120416T02020	CNM434T0820	1/2	12,70	.51	12,90	3/16	4,76	1/16	1,6	
CNMN120708T02020	CNM452T0820	1/2	12,70	.51	12,90	5/16	7,94	1/32	0,8	
CNMN120712T02020	CNM453T0820	1/2	12,70	.51	12,90	5/16	7,94	3/64	1,2	
CNMN120716T02020	CNM454T0820	1/2	12,70	.51	12,90	5/16	7,94	1/16	1,6	
CNMN160616T02020	CNM544T0820	5/8	15,88	.63	16,12	1/4	6,35	1/16	1,6	
CNMX120708T02020	CNMX452T0820	1/2	12,70	.51	12,90	5/16	7,94	1/32	0,8	CNMX
CNMX120712T02020	CNMX453T0820	1/2	12,70	.51	12,90	5/16	7,94	3/64	1,2	
CNMX120716T02020	CNMX454T0820	1/2	12,70	.51	12,90	5/16	7,94	1/16	1,6	
DNGN150404T01020	DNG431T0420	1/2	12,70	.61	15,50	3/16	4,76	1/64	0,4	DNGN
DNGN150408T01020	DNG432T0420	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	
DNGN150408T02020	DNG432T0820	1/2	12,70	.61	15,50	3/16	4,76	1/32	0,8	
DNGN150412T01020	DNG433T0420	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	
DNGN150412T02020	DNG433T0820	1/2	12,70	.61	15,50	3/16	4,76	3/64	1,2	
DNGN150608T02020	DNG442T0820	1/2	12,70	.61	15,50	1/4	6,35	1/32	0,8	
DNGN150612T02020	DNG443T0820	1/2	12,70	.61	15,50	1/4	6,35	3/64	1,2	
DNGN150704T01020	DNG451T0420	1/2	12,70	.61	15,50	5/16	7,94	1/64	0,4	
DNGN150704T02020	DNG451T0820	1/2	12,70	.61	15,50	5/16	7,94	1/64	0,4	
DNGN150708T01020	DNG452T0420	1/2	12,70	.61	15,50	5/16	7,94	1/32	0,8	
DNGN150708T02020	DNG452T0820	1/2	12,70	.61	15,50	5/16	7,94	1/32	0,8	
DNGN150712T01020	DNG453T0420	1/2	12,70	.61	15,50	5/16	7,94	3/64	1,2	
DNGN150712T02020	DNG453T0820	1/2	12,70	.61	15,50	5/16	7,94	3/64	1,2	
DNGN150716T01020	DNG454T0420	1/2	12,70	.61	15,50	5/16	7,94	1/16	1,6	
DNGN150716T02020	DNG454T0820	1/2	12,70	.61	15,50	5/16	7,94	1/16	1,6	
DNGN190616T02020	DNG544T0820	5/8	15,88	.76	19,34	1/4	6,35	1/16	1,6	
DNGX120708T02020	DNGX120708T02020	.394	10,00	.48	12,21	5/16	7,94	1/32	0,8	DNGX
DNGX120712T02020	DNGX120712T02020	.394	10,00	.48	12,21	5/16	7,94	3/64	1,2	
DNGX120716T02020	DNGX120716T02020	.394	10,00	.48	12,21	5/16	7,94	1/16	1,6	
DNGX150708T01020	DNGX452T0420	1/2	12,70	.61	15,50	5/16	7,94	1/32	0,8	
DNGX150708T02020	DNGX452T0820	1/2	12,70	.61	15,50	5/16	7,94	1/32	0,8	
DNGX150712T01020	DNGX453T0420	1/2	12,70	.61	15,50	5/16	7,94	3/64	1,2	
DNGX150712T02020	DNGX453T0820	1/2	12,70	.61	15,50	5/16	7,94	3/64	1,2	
DNGX150716T01020	DNGX454T0420	1/2	12,70	.61	15,50	5/16	7,94	1/16	1,6	
DNGX150716T02020	DNGX454T0820	1/2	12,70	.61	15,50	5/16	7,94	1/16	1,6	
DNMN110308E	DNM322E	3/8	9,53	.46	11,63	1/8	3,18	1/32	0,8	DNMN
DNMN110308S02020	DNM322S0820	3/8	9,53	.46	11,63	1/8	3,18	1/32	0,8	
DNMN110312E	DNM323E	3/8	9,53	.46	11,63	1/8	3,18	3/64	1,2	
DNMN110312S02020	DNM323S0820	3/8	9,53	.46	11,63	1/8	3,18	3/64	1,2	
DNMN110316S02020	DNM324S0820	3/8	9,53	.46	11,63	1/8	3,18	1/16	1,6	

Bestellbeispiel:
ISO-Katalognummer: CNMN090308E
Schneidstoffsorte: KB9640

KENDEX negative Wendeschneidplatten

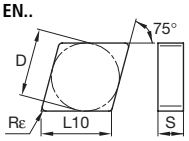
Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P		M	K								N				S								H			
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ENGN 	ENGN130408T02020										●																	
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	ENGN130416T02020										●																	
	ENGN130704T02020																									●		
	ENGN130708T01020																				●							
	ENGN130708T02020						●				●															●		
	ENGN130712T01020																				●							
	ENGN130712T02020						●				●															●		
	ENGN130716T01020																				●							
	ENGN130716T02020										●															●		
ENGX 	ENGX130708T02020									●	●															●		
	ENGX130712T02020									●	●															●		
	ENGX130716T02020									●	●															●		
ENMN 	ENMN130712T02020										●																	
	ENMN130716T02020										●																	
ENMX 	ENMX130712T02020										●																	
	ENMX130716T02020										●																	
RNGN 	RNGN090300																		●									
	RNGN090300T01020																				●							
	RNGN090300T02020																										●	
	RNGN090400T02020																										●	
	RNGN120300																		●									
	RNGN120300T01020							●																		●		
	RNGN120300T02020																										●	
	RNGN120400																		●									
	RNGN120400E							●															●	●		●		
	RNGN120400T01020							●													●	●	●	●		●		
	RNGN120400T02020								●	●	●																●	
	RNGN120700													●				●										
	RNGN120700E							●													●	●	●	●		●	●	
	RNGN120700T01020							●													●	●	●	●		●		
	RNGN120700T02020								●	●	●																●	
	RNGN120700T10015																										●	
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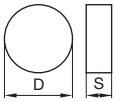
*KY1525 verfügbar Frühjahr 2005.

A171-A186 | A211-A217 | A6-A19 | A26-A27 | A28-A32 | A33-A37

EN..



RN..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	
DNMX150712T02020	DNMX453T0820	1/2	12,70	.61	15,50	5/16	7,94	3/64	1,2	DNMX
DNMX150716T02020	DNMX454T0820	1/2	12,70	.61	15,50	5/16	7,94	1/16	1,6	
ENGN130408T02020	ENG432T0820	1/2	12,70	.52	13,15	3/16	4,76	1/32	0,8	ENGN
ENGN130412T02020	ENG433T0820	1/2	12,70	.52	13,15	3/16	4,76	3/64	1,2	
ENGN130416T02020	ENG434T0820	1/2	12,70	.52	13,15	3/16	4,76	1/16	1,6	
ENGN130704T02020	ENG451T0820	1/2	12,70	.52	13,15	5/16	7,94	1/64	0,4	
ENGN130708T01020	ENGN130708T01020	1/2	12,70	.52	13,15	5/16	7,94	1/32	0,8	
ENGN130708T02020	ENG452T0820	1/2	12,70	.52	13,15	5/16	7,94	1/32	0,8	
ENGN130712T01020	ENGN130712T01020	1/2	12,70	.52	13,15	5/16	7,94	3/64	1,2	
ENGN130712T02020	ENG453T0820	1/2	12,70	.52	13,15	5/16	7,94	3/64	1,2	
ENGN130716T01020	ENGN130716T01020	1/2	12,70	.52	13,15	5/16	7,94	1/16	1,6	
ENGN130716T02020	ENG454T0820	1/2	12,70	.52	13,15	5/16	7,94	1/16	1,6	
ENGX130708T02020	ENGX452T0820	1/2	12,70	.52	13,15	5/16	7,94	1/32	0,8	ENGX
ENGX130712T02020	ENGX453T0820	1/2	12,70	.52	13,15	5/16	7,94	3/64	1,2	
ENGX130716T02020	ENGX454T0820	1/2	12,70	.52	13,15	5/16	7,94	1/16	1,6	
ENMN130712T02020	ENM453T0820	1/2	12,70	.52	13,15	5/16	7,94	3/64	1,2	ENMN
ENMN130716T02020	ENM454T0820	1/2	12,70	.52	13,15	5/16	7,94	1/16	1,6	
ENMX130712T02020	ENMX453T0820	1/2	12,70	.52	13,15	5/16	7,94	3/64	1,2	ENMX
ENMX130716T02020	ENMX454T0820	1/2	12,70	.52	13,15	5/16	7,94	1/16	1,6	
RNGN090300	RNG32	3/8	9,53	-	-	1/8	3,18	-	-	RNGN
RNGN090300T01020	RNGN090300T01020	3/8	9,53	-	-	1/8	3,18	-	-	
RNGN090300T02020	RNG32T0820	3/8	9,53	-	-	1/8	3,18	-	-	
RNGN090400T02020	RNG33T0820	3/8	9,53	-	-	3/16	4,76	-	-	
RNGN120300	RNG42	1/2	12,70	-	-	1/8	3,18	-	-	
RNGN120300T01020	RNG42T0420	1/2	12,70	-	-	1/8	3,18	-	-	
RNGN120300T02020	RNG42T0820	1/2	12,70	-	-	1/8	3,18	-	-	
RNGN120400	RNG43	1/2	12,70	-	-	3/16	4,76	-	-	
RNGN120400E	RNG43E	1/2	12,70	-	-	3/16	4,76	-	-	
RNGN120400T01020	RNG43T0420	1/2	12,70	-	-	3/16	4,76	-	-	
RNGN120400T02020	RNG43T0820	1/2	12,70	-	-	3/16	4,76	-	-	
RNGN120700	RNG45	1/2	12,70	-	-	5/16	7,94	-	-	
RNGN120700E	RNG45E	1/2	12,70	-	-	5/16	7,94	-	-	
RNGN120700T01020	RNG45T0420	1/2	12,70	-	-	5/16	7,94	-	-	
RNGN120700T02020	RNG45T0820	1/2	12,70	-	-	5/16	7,94	-	-	
RNGN120700T10015	RNG45T4015	1/2	12,70	-	-	5/16	7,94	-	-	
RNGN120700T15015	RNGN120700T15015	1/2	12,70	-	-	5/16	7,94	-	-	
RNGN120700T20015	RNG45T8015	1/2	12,70	-	-	5/16	7,94	-	-	
RNGN150700T02020	RNG55T0820	5/8	15,88	-	-	5/16	7,94	-	-	
RNGN150700T20015	RNGN150700T20015	5/8	15,88	-	-	5/16	7,94	-	-	
RNGN190700E	RNG65E	3/4	19,05	-	-	5/16	7,94	-	-	
RNGN190700T01020	RNG65T0420	3/4	19,05	-	-	5/16	7,94	-	-	

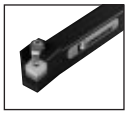
Bestellbeispiel:
ISO-Katalognummer: DNMX150712T02020
Schneidstoffsorte: KY3500

KENDEX negative Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P		M	K									N				S								H			
		KC5010	KC8050	KC5010	KC5010	KC9315	AC5	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	K313	KC5010	KD1405	KD100	K313	K68	KC5010	KY4300	KY1525*	KY2100	KY1540	KD120	KY4400	KY1615	KB9610	KB9640
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*KY1525 verfügbar Frühjahr 2005.


A171-A186


A211-A217

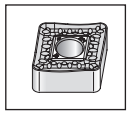


A6-A19

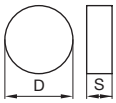


A26-A27

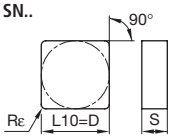

A28-A32


A33-A37

RN..



SN..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	
RNGN190700T02020	RNG65T0820	3/4	19,05	-	-	5/16	7,94	-	-	RNGN
RNGN190700T20015	RNGN190700T20015	3/4	19,05	-	-	5/16	7,94	-	-	
RNGN250700K20015	RNG85K8015	1	25,40	-	-	5/16	7,94	-	-	
RNGN250700P20015	RNG85P8015	1	25,40	-	-	5/16	7,94	-	-	
RNGN250700T02020	RNG85T0820	1	25,40	-	-	5/16	7,94	-	-	
RNGN250700T20015	RNG85T8015	1	25,40	-	-	5/16	7,94	-	-	
RNGN250900T02020	RNG86T0820	1	25,40	-	-	3/8	9,53	-	-	
RNMN060300S02020	RNM22S0820	1/4	6,35	-	-	1/8	3,18	-	-	RNMN
RNMN090300E	RNM32E	3/8	9,53	-	-	1/8	3,18	-	-	
RNMN090300S02020	RNM32S0820	3/8	9,53	-	-	1/8	3,18	-	-	
RNMN120300E	RNM42E	1/2	12,70	-	-	1/8	3,18	-	-	
RNMN120300S02020	RNM42S0820	1/2	12,70	-	-	1/8	3,18	-	-	
RNMN120400S02020	RNM43S0820	1/2	12,70	-	-	3/16	4,76	-	-	
RNMN120400S03020	RNM43S1220	1/2	12,70	-	-	3/16	4,76	-	-	
RNMN120400T02020	RNM43T0820	1/2	12,70	-	-	3/16	4,76	-	-	
RNMN120700T02020	RNM45T0820	1/2	12,70	-	-	5/16	7,94	-	-	
RNMN250300S02020	RNM82S0820	1	25,40	-	-	1/8	3,18	-	-	
RNMN250300S05020	RNM82S2020	1	25,40	-	-	1/8	3,18	-	-	
RNMN250400S15020	RNM83S6020	1	25,40	-	-	3/16	4,76	-	-	
RNMN250600S02020	RNM84S0820	1	25,40	-	-	1/4	6,35	-	-	
RNMN250600S15020	RNM84S6020	1	25,40	-	-	1/4	6,35	-	-	
SNGN090304	SNG321	3/8	9,53	.38	9,53	1/8	3,18	1/64	0,4	SNGN
SNGN090308	SNG322	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	
SNGN090308T00520	SNG322T0220	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	
SNGN090308T01020	SNG322T0420	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	
SNGN090308T02020	SNG322T0820	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	
SNGN090312T01020	SNG323T0420	3/8	9,53	.38	9,53	1/8	3,18	3/64	1,2	
SNGN090312T02020	SNG323T0820	3/8	9,53	.38	9,53	1/8	3,18	3/64	1,2	
SNGN090412T00515	SNG333T0215	3/8	9,53	.38	9,53	3/16	4,76	3/64	1,2	
SNGN090412T02020	SNG333T0820	3/8	9,53	.38	9,53	3/16	4,76	3/64	1,2	
SNGN120308	SNG422	1/2	12,70	.50	12,70	1/8	3,18	1/32	0,8	
SNGN120408	SNG432	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	
SNGN120408T00520	SNG432T0220	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	
SNGN120408T01020	SNG432T0420	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	
SNGN120408T02020	SNG432T0820	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	
SNGN120412	SNG433	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	
SNGN120412E	SNG433	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	
SNGN120412T01020	SNG433T0420	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	
SNGN120412T02020	SNG433T0820	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	
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SNGN120424T02020	SNG436T0820	1/2	12,70	.50	12,70	3/16	4,76	3/32	2,4	
SNGN120432T02020	SNG438T0820	1/2	12,70	.50	12,70	3/16	4,76	1/8	3,2	
SNGN120704T01020	SNG451T0420	1/2	12,70	.50	12,70	5/16	7,94	1/64	0,4	
SNGN120704T02020	SNG451T0820	1/2	12,70	.50	12,70	5/16	7,94	1/64	0,4	
SNGN120708T01020	SNG452T0420	1/2	12,70	.50	12,70	5/16	7,94	1/32	0,8	
SNGN120708T02020	SNG452T0820	1/2	12,70	.50	12,70	5/16	7,94	1/32	0,8	
SNGN120712K15015	SNG453K6015	1/2	12,70	.50	12,70	5/16	7,94	3/64	1,2	
SNGN120712T01020	SNG453T0420	1/2	12,70	.50	12,70	5/16	7,94	3/64	1,2	
SNGN120712T02020	SNG453T0820	1/2	12,70	.50	12,70	5/16	7,94	3/64	1,2	
SNGN120716T01020	SNG454T0420	1/2	12,70	.50	12,70	5/16	7,94	1/16	1,6	
SNGN120716T02020	SNG454T0820	1/2	12,70	.50	12,70	5/16	7,94	1/16	1,6	
SNGN120716T03030	SNG454T1230	1/2	12,70	.50	12,70	5/16	7,94	1/16	1,6	
SNGN120720T02020	SNG455T0820	1/2	12,70	.50	12,70	5/16	7,94	5/64	2,0	
SNGN120720T10015	SNG455T4015	1/2	12,70	.50	12,70	5/16	7,94	5/64	2,0	
SNGN120720T20015	SNG455T8015	1/2	12,70	.50	12,70	5/16	7,94	5/64	2,0	
SNGN120725T05015	SNGN120725T05015	1/2	12,70	.50	12,70	5/16	7,94	.0984	2,5	

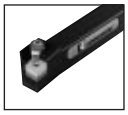
Bestellbeispiel:
ISO-Katalognummer: RNGN190700T02020
Schneidstoffsorte: KY3500

KENDEX negative Wendeschneidplatten

Schneidstoffauswahl

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		KC5010	KC8050	KC5010	KC5010	KC9315	AC5	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	K313	KC5010	KD1405	KD100	K313	K68	KC5010	KY4300	KY1525*	KY2100	KY1540	KD120	KY4400	KY1615	KB9610	KB9640
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*KY1525 verfügbar Frühjahr 2005.


A171-A186


A211-A217

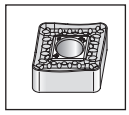


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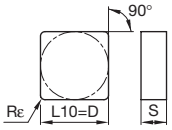


A26-A27


A28-A32


A33-A37

SN..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	
SNGN150416T02020	SNG534T0820	5/8	15,88	.63	15,88	3/16	4,76	1/16	1,6	SNGN
SNGN150712T02020	SNG553T0820	5/8	15,88	.63	15,88	5/16	7,94	3/64	1,2	
SNGN150712T20015	SNGN150712T20015	5/8	15,88	.63	15,88	5/16	7,94	3/64	1,2	
SNGN150716T02020	SNG554T0820	5/8	15,88	.63	15,88	5/16	7,94	1/16	1,6	
SNGN150716T20015	SNGN150716T20015	5/8	15,88	.63	15,88	5/16	7,94	1/16	1,6	
SNGN190412T02020	SNG633T0820	3/4	19,05	.75	19,05	3/16	4,76	3/64	1,2	
SNGN190416T02020	SNG634T0820	3/4	19,05	.75	19,05	3/16	4,76	1/16	1,6	
SNGN190612T02020	SNG643T0820	3/4	19,05	.75	19,05	1/4	6,35	3/64	1,2	
SNGN190616E	SNG644E	3/4	19,05	.75	19,05	1/4	6,35	1/16	1,6	
SNGN190616T01020	SNG644T0420	3/4	19,05	.75	19,05	1/4	6,35	1/16	1,6	
SNGN190616T02020	SNG644T0820	3/4	19,05	.75	19,05	1/4	6,35	1/16	1,6	
SNGN190708T02020	SNG652T0820	3/4	19,05	.75	19,05	5/16	7,94	1/32	0,8	
SNGN190712T02020	SNG653T0820	3/4	19,05	.75	19,05	5/16	7,94	3/64	1,2	
SNGN190716T02020	SNG654T0820	3/4	19,05	.75	19,05	5/16	7,94	1/16	1,6	
SNGN190716T20015	SNGN190716T20015	3/4	19,05	.75	19,05	5/16	7,94	1/16	1,6	
SNGN190720K20015	SNG655K8015	3/4	19,05	.75	19,05	5/16	7,94	5/64	2,0	
SNGN190720P20015	SNG655P8015	3/4	19,05	.75	19,05	5/16	7,94	5/64	2,0	
SNGN190720T02020	SNG655T0820	3/4	19,05	.75	19,05	5/16	7,94	5/64	2,0	
SNGN190720T20015	SNG655T8015	3/4	19,05	.75	19,05	5/16	7,94	5/64	2,0	
SNGN190724E	SNG656E	3/4	19,05	.75	19,05	5/16	7,94	3/32	2,4	
SNGN190724T02020	SNG656T0820	3/4	19,05	.75	19,05	5/16	7,94	3/32	2,4	
SNGN190724T20015	SNGN190724T20015	3/4	19,05	.75	19,05	5/16	7,94	3/32	2,4	
SNGN250724T20015	SNGN250724T20015	1	25,40	1.00	25,40	5/16	7,94	3/32	2,4	
SNGN120708T01020FW	SNG452T0420FW	1/2	12,70	.50	12,70	5/16	7,94	1/32	0,8	SNGN-FW
SNGN120712T01020FW	SNG453T0420FW	1/2	12,70	.50	12,70	5/16	7,94	3/64	1,2	
SNGX120708E	SNGX452E	1/2	12,70	.50	12,70	5/16	7,94	1/32	0,8	SNGX
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SNGX120708T02020	SNGX452T0820	1/2	12,70	.50	12,70	5/16	7,94	1/32	0,8	
SNGX120712E	SNGX453E	1/2	12,70	.50	12,70	5/16	7,94	3/64	1,2	
SNGX120712T01020	SNGX453T0420	1/2	12,70	.50	12,70	5/16	7,94	3/64	1,2	
SNGX120712T02020	SNGX453T0820	1/2	12,70	.50	12,70	5/16	7,94	3/64	1,2	
SNGX120716E	SNGX454E	1/2	12,70	.50	12,70	5/16	7,94	1/16	1,6	
SNGX120716T01020	SNGX454T0420	1/2	12,70	.50	12,70	5/16	7,94	1/16	1,6	
SNGX120716T02020	SNGX454T0820	1/2	12,70	.50	12,70	5/16	7,94	1/16	1,6	
SNGX150708T02020	SNGX552T0820	5/8	15,88	.63	15,88	5/16	7,94	1/32	0,8	
SNGX150712T02020	SNGX553T0820	5/8	15,88	.63	15,88	5/16	7,94	3/64	1,2	
SNGX150716T02020	SNGX554T0820	5/8	15,88	.63	15,88	5/16	7,94	1/16	1,6	
SNGX150724T02020	SNGX556T0820	5/8	15,88	.63	15,88	5/16	7,94	3/32	2,4	
SNGX120708T01020FW	SNGX452T0420FW	1/2	12,70	.50	12,70	5/16	7,94	1/32	0,8	SNGX-FW
SNGX120712T01020FW	SNGX453T0420FW	1/2	12,70	.50	12,70	5/16	7,94	3/64	1,2	
SNMN060308E	SNM222E	1/4	6,35	.25	6,35	1/8	3,18	1/32	0,8	SNMN
SNMN060308S02020	SNM222S0820	1/4	6,35	.25	6,35	1/8	3,18	1/32	0,8	
SNMN090308E	SNM322E	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	
SNMN090308S02020	SNM322S0820	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	
SNMN090312E	SNM323E	3/8	9,53	.38	9,53	1/8	3,18	3/64	1,2	
SNMN090312S02020	SNM323S0820	3/8	9,53	.38	9,53	1/8	3,18	3/64	1,2	
SNMN090316S02020	SNM324S0820	3/8	9,53	.38	9,53	1/8	3,18	1/16	1,6	
SNMN090416S02020	SNM334S0820	3/8	9,53	.38	9,53	3/16	4,76	1/16	1,6	

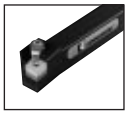
Bestellbeispiel:
ISO-Katalognummer: SNGN150416T02020
Schneidstoffsorte: KY3500

KENDEX negative Wendeschneidplatten

Schneidstoffauswahl

	ISO catalog number	KENNA PERFECT P		M	K								N				S								H			
		KC5010	KC8050	KC5010	KC5010	KC9315	AC5	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	K313	KC5010	KD1405	KD100	K313	K68	KC5010	KY4300	KY1525*	KY2100	KY1540	KD120	KY4400	KY1615	KB9610	KB9640
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*KY1525 verfügbar Frühjahr 2005.


A171-A186


A211-A217

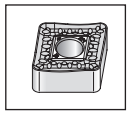


A6-A19

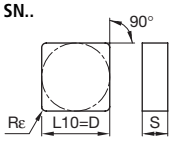


A26-A27

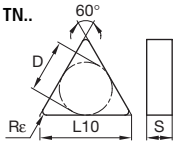

A28-A32


A33-A37

SN..



TN..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	
SNMN120308E	SNM422E	1/2	12,70	.50	12,70	1/8	3,18	1/32	0,8	SNMN
SNMN120308S02020	SNM422S0820	1/2	12,70	.50	12,70	1/8	3,18	1/32	0,8	
SNMN120312S02020	SNM423S0820	1/2	12,70	.50	12,70	1/8	3,18	3/64	1,2	
SNMN120316S02020	SNM424S0820	1/2	12,70	.50	12,70	1/8	3,18	1/16	1,6	
SNMN120412E	SNM433E	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	
SNMN120412S02020	SNM433S0820	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	
SNMN120412S03020	SNM433S1220	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	
SNMN120412T02020	SNM433T0820	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	
SNMN120416E	SNM434E	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	
SNMN120416S02020	SNM434S0820	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	
SNMN120416S03020	SNM434S1220	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	
SNMN120416T02020	SNM434T0820	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	
SNMN120712T02020	SNM453T0820	1/2	12,70	.50	12,70	5/16	7,94	3/64	1,2	
SNMN120716T02020	SNM454T0820	1/2	12,70	.50	12,70	5/16	7,94	1/16	1,6	
SNMX120712T02020	SNMX453T0820	1/2	12,70	.50	12,70	5/16	7,94	3/64	1,2	SNMX
SNMX120716T02020	SNMX454T0820	1/2	12,70	.50	12,70	5/16	7,94	1/16	1,6	
SNMX150716T02020	SNMX554T0820	5/8	15,88	.63	15,88	5/16	7,94	1/16	1,6	
SNUN120412	SNU433	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	SNUN
TNGN110304T02020	TNG221T0820	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	TNGN
TNGN110308T01020	TNG222T0420	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TNGN110308T02020	TNG222T0820	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TNGN160308	TNG322	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TNGN160404T01020	TNG331T0420	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	
TNGN160404T02020	TNG331T0820	3/8	9,53	.65	16,50	3/16	4,76	1/64	0,4	
TNGN160408T01020	TNG332T0420	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	
TNGN160408T02020	TNG332T0820	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	
TNGN160412T01020	TNG333T0420	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	
TNGN160412T02020	TNG333T0820	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	
TNGN160416T01020	TNGN160416T01020	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	
TNGN160416T02020	TNG334T0820	3/8	9,53	.65	16,50	3/16	4,76	1/16	1,6	
TNGN160708T01020	TNG352T0420	3/8	9,53	.65	16,50	5/16	7,94	1/32	0,8	
TNGN160708T02020	TNG352T0820	3/8	9,53	.65	16,50	5/16	7,94	1/32	0,8	
TNGN160712T01020	TNG353T0420	3/8	9,53	.65	16,50	5/16	7,94	3/64	1,2	
TNGN160712T02020	TNG353T0820	3/8	9,53	.65	16,50	5/16	7,94	3/64	1,2	
TNGN160716T01020	TNG354T0420	3/8	9,53	.65	16,50	5/16	7,94	1/16	1,6	
TNGN160716T02020	TNG354T0820	3/8	9,53	.65	16,50	5/16	7,94	1/16	1,6	
TNGN220408	TNG432	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	
TNGN220408T01020	TNG432T0420	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	
TNGN220408T02020	TNG432T0820	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	
TNGN220412T01020	TNG433T0420	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	
TNGN220412T02020	TNG433T0820	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	
TNGN220416T01020	TNG434T0420	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	
TNGN220416T02020	TNG434T0820	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	
TNGN220432T02020	TNG438T0820	1/2	12,70	.87	22,00	3/16	4,76	1/8	3,2	
TNGN220712T01020	TNG453T0420	1/2	12,70	.87	22,00	5/16	7,94	3/64	1,2	
TNGN220712T02020	TNG453T0820	1/2	12,70	.87	22,00	5/16	7,94	3/64	1,2	
TNGN220712T20015	TNG453T8015	1/2	12,70	.87	22,00	5/16	7,94	3/64	1,2	
TNGN220716T01020	TNG454T0420	1/2	12,70	.87	22,00	5/16	7,94	1/16	1,6	
TNGN220716T02020	TNG454T0820	1/2	12,70	.87	22,00	5/16	7,94	1/16	1,6	

Bestellbeispiel:
ISO-Katalognummer: SNMN120308E
Schneidstoffsorte: KB9640

KENDEX negative Wendeschneidplatten

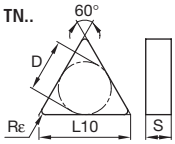
Schneidstoffauswahl

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	TNMN160412S02020												●															●
	TNMN160416S02020												●															●
	TNMN220412T02020										●																	
	TNMN220416T02020										●																	
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	TNUN220408																		●									
	TNUN220412																		●									
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	WNGX080712T02020								●	●	●																	
	WNGX080716E																							●				
	WNGX080716T01020																							●				
	WNGX080716T02020								●	●	●																	
WNGX-FW	WNGX080708T01020FW									●	●																	
	WNGX080712T01020FW								●	●	●																	
	WNGX080712T02020FW								●																			
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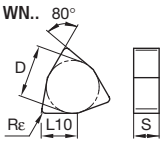
*KY1525 verfügbar Frühjahr 2005.

A171-A186 | A211-A217 | A6-A19 | A26-A27 | A28-A32 | A33-A37

TN.. 60°



WN.. 80°



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	
TNMN110304E	TNM221E	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	TNMN
TNMN110304S02020	TNM221S0820	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	
TNMN110308E	TNM222E	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TNMN110308S02020	TNM222S0820	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TNMN110312E	TNM223E	1/4	6,35	.43	11,00	1/8	3,18	3/64	1,2	
TNMN110312S02020	TNM223S0820	1/4	6,35	.43	11,00	1/8	3,18	3/64	1,2	
TNMN160412S02020	TNM333S0820	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	
TNMN160416S02020	TNM334S0820	3/8	9,53	.65	16,50	3/16	4,76	1/16	1,6	
TNMN220412T02020	TNM433T0820	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	
TNMN220416T02020	TNM434T0820	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	
TNUN160412	TNU333	3/8	9,53	.65	16,50	3/16	4,76	3/64	1,2	TNUN
TNUN220408	TNU432	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	
TNUN220412	TNU433	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	
WNGX080708E	WNGX452E	1/2	12,70	.34	8,69	5/16	7,94	1/32	0,8	WNGX
WNGX080708T01020	WNGX452T0420	1/2	12,70	.34	8,69	5/16	7,94	1/32	0,8	
WNGX080708T02020	WNGX452T0820	1/2	12,70	.34	8,69	5/16	7,94	1/32	0,8	
WNGX080712E	WNGX453E	1/2	12,70	.34	8,69	5/16	7,94	3/64	1,2	
WNGX080712T01020	WNGX453T0420	1/2	12,70	.34	8,69	5/16	7,94	3/64	1,2	
WNGX080712T02020	WNGX453T0820	1/2	12,70	.34	8,69	5/16	7,94	3/64	1,2	
WNGX080716E	WNGX454E	1/2	12,70	.34	8,69	5/16	7,94	1/16	1,6	
WNGX080716T01020	WNGX454T0420	1/2	12,70	.34	8,69	5/16	7,94	1/16	1,6	
WNGX080716T02020	WNGX454T0820	1/2	12,70	.34	8,69	5/16	7,94	1/16	1,6	
WNGX080708T01020FW	WNGX452T0420FW	1/2	12,70	.34	8,69	5/16	7,94	1/32	0,8	WNGX-FW
WNGX080712T01020FW	WNGX453T0420FW	1/2	12,70	.34	8,69	5/16	7,94	3/64	1,2	
WNGX080712T02020FW	WNGX453T0820FW	1/2	12,70	.34	8,69	5/16	7,94	3/64	1,2	
WNGX080716T01020FW	WNGX454T0420FW	1/2	12,70	.34	8,69	5/16	7,94	1/16	1,6	
WNMX080712T02020	WNMX453T0820	1/2	12,70	.34	8,69	5/16	7,94	3/64	1,2	WNMX
WNMX080716T02020	WNMX454T0820	1/2	12,70	.34	8,69	5/16	7,94	1/16	1,6	

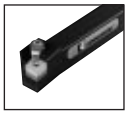
Bestellbeispiel:
ISO-Katalognummer: **TNGN220416T02020**
Schneidstoffsorte: **KY1310**

KENDEX positive Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P		M	K								N				S								H			
		KC5010	KC8050	KC5010	KC5010	KC9315	AC5	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	K313	KC5010	KD1405	KD100	K313	K68	KC5010	KY4300	KY1525*	KY2100	KY1540	KD120	KY4400	KY1615	KB9610	KB9640
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	CPGN120308											●					●								●				
	CPGN120308E															●													
CPGN	CPGN120304													●				●											
	CPGN120308													●				●											
RCGN	RCGN120700T02020																										●		
	RCGN120700T20015																										●		
RCGX	RCGX060400	●	●	●	●									●	●			●		●									
	RCGX060400E																				●		●	●					
	RCGX060400T01020																				●								
	RCGX090700	●	●	●	●									●	●			●		●									
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	RCGX151000T20015																				●						●		
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	RCGX251200T20015																				●						●		
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*KY1525 verfügbar Frühjahr 2005.


A187-A190


A218-A219


A245-A246

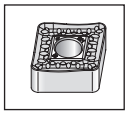


A6-A19

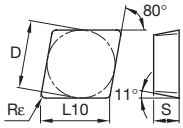


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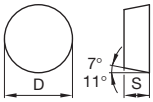

A28-A32


A33-A37

CP..



RC../RP..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	
CPGN120304	CPG421	1/2	12,70	.51	12,90	1/8	3,18	1/64	0,4	CPGN
CPGN120304E	CPG421E	1/2	12,70	.51	12,90	1/8	3,18	1/64	0,4	
CPGN120308	CPG422	1/2	12,70	.51	12,90	1/8	3,18	1/32	0,8	
CPGN120308E	CPG422E	1/2	12,70	.51	12,90	1/8	3,18	1/32	0,8	
CPGN120304	CPG421	1/2	12,70	.51	12,90	1/8	3,18	1/64	0,4	CPGN
CPGN120308	CPG422	1/2	12,70	.51	12,90	1/8	3,18	1/32	0,8	
RCGN120700T02020	RCG45T0820	1/2	12,70	-	-	5/16	7,94	-	-	RCGN
RCGN120700T20015	RCG45T8015	1/2	12,70	-	-	5/16	7,94	-	-	
RCGX060400	RCGV23	1/4	6,35	-	-	3/16	4,76	-	-	RCGX
RCGX060400E	RCGV23	1/4	6,35	-	-	3/16	4,76	-	-	
RCGX060400T01020	RCGX060400T01020	1/4	6,35	-	-	3/16	4,76	-	-	
RCGX090700	RCGV35	3/8	9,53	-	-	5/16	7,94	-	-	
RCGX090700E	RCGV35E	3/8	9,53	-	-	5/16	7,94	-	-	
RCGX090700T01020	RCGV35T0420	3/8	9,53	-	-	5/16	7,94	-	-	
RCGX090700T02020	RCGV35T0820	3/8	9,53	-	-	5/16	7,94	-	-	
RCGX090700T07015	RCGV35T2815	3/8	9,53	-	-	5/16	7,94	-	-	
RCGX090700T10015	RCGV35T4020	3/8	9,53	-	-	5/16	7,94	-	-	
RCGX090700T20015	RCGV35T8020	3/8	9,53	-	-	5/16	7,94	-	-	
RCGX120700	RCGV45	1/2	12,70	-	-	5/16	7,94	-	-	
RCGX120700E	RCGV45E	1/2	12,70	-	-	5/16	7,94	-	-	
RCGX120700S20015	RCGV45S8015	1/2	12,70	-	-	5/16	7,94	-	-	
RCGX120700T01020	RCGV45T0420	1/2	12,70	-	-	5/16	7,94	-	-	
RCGX120700T02020	RCGV45T0820	1/2	12,70	-	-	5/16	7,94	-	-	
RCGX120700T07015	RCGV45T2815	1/2	12,70	-	-	5/16	7,94	-	-	
RCGX120700T10015	RCGV45T4015	1/2	12,70	-	-	5/16	7,94	-	-	
RCGX120700T15015	RCGX120700T15015	1/2	12,70	-	-	5/16	7,94	-	-	
RCGX120700T20015	RCGV45T8015	1/2	12,70	-	-	5/16	7,94	-	-	
RCGX151000T20015	RCGX151000T20015	5/8	15,88	-	-	.394	10,00	-	-	
RCGX191000T20015	RCGX191000T20015	3/4	19,05	-	-	.394	10,00	-	-	
RCGX251200T20015	RCGV88T8015	1	25,40	-	-	1/2	12,70	-	-	
RPGN090300E	RPG32E	3/8	9,53	-	-	1/8	3,18	-	-	RPGN
RPGN090300T00520	RPGN090300T00520	3/8	9,53	-	-	1/8	3,18	-	-	
RPGN090300T01020	RPG32T0420	3/8	9,53	-	-	1/8	3,18	-	-	
RPGN120300	RPG43	1/2	12,70	-	-	1/8	3,18	-	-	
RPGN120400E	RPG43E	1/2	12,70	-	-	3/16	4,76	-	-	
RPGN120400T01020	RPG43T0420	1/2	12,70	-	-	3/16	4,76	-	-	

Bestellbeispiel:
ISO-Katalognummer: CPGN120304
Schneidstoffsorte: KD100

KENDEX positive Wendeschneidplatten

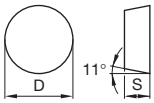
Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P		M	K								N				S								H			
		KC5010	KC8050	KC5010	KC5010	KC9315	AC5	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	K313	KC5010	KD1405	KD100	K313	K68	KC5010	KY4300	KY1525*	KY2100	KY1540	KD120	KY4400	KY1615	KB9610	KB9640
RPGX	RPGX060400													●				●			●								
	RPGX060400T01020																												
	RPGX090700	●		●	●									●	●			●		●									
	RPGX090700E																						●	●					
	RPGX090700T01020																				●	●	●	●					
	RPGX120700													●				●											
	RPGX120700E																							●					
	RPGX120700T01020																				●	●	●	●					
	RPGX120700T02020									●																			
SCGN	SCGN090408T00520							●																		●			
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	SCGN120416T00520							●																		●			
	SCGN120416T01020																										●		
SCGN-FW	SCGN090408EFW								●	●	●																		
	SCGN120408EFW								●	●	●																		
SCUN	SCUN120412T00520																										●		
	SCUN120416T00520																										●		
SPGN	SPGN090308E															●													
	SPGN090308F																●												
	SPGN120308											●													●				
	SPGN120308E											●				●									●				
	SPGN120308F																●												
SPGN	SPGN090304	●	●	●	●										●					●									
	SPGN090308	●	●	●	●									●	●			●		●									
	SPGN090308T01020							●																		●	●		
	SPGN090312	●	●	●	●										●					●									
	SPGN090312T01020																										●		
	SPGN120304	●	●	●	●									●	●			●		●									
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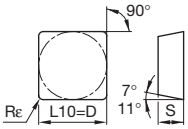
*KY1525 verfügbar Frühjahr 2005.

A187-A190 | A218-A219 | A245-A246 | A6-A19 | A26-A27 | A28-A32 | A33-A37

RP..



SC../SP..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	
RPGX060400	RPGV23	1/4	6,35	-	-	3/16	4,76	-	-	RPGX
RPGX060400T01020	RPGX060400T01020	1/4	6,35	-	-	3/16	4,76	-	-	
RPGX090700	RPGV35	3/8	9,53	-	-	5/16	7,94	-	-	
RPGX090700E	RPGV35E	3/8	9,53	-	-	5/16	7,94	-	-	
RPGX090700T01020	RPGV35T0420	3/8	9,53	-	-	5/16	7,94	-	-	
RPGX120700	RPGV45	1/2	12,70	-	-	5/16	7,94	-	-	
RPGX120700E	RPGV45E	1/2	12,70	-	-	5/16	7,94	-	-	
RPGX120700T01020	RPGV45T0420	1/2	12,70	-	-	5/16	7,94	-	-	
RPGX120700T02020	RPGV45T0820	1/2	12,70	-	-	5/16	7,94	-	-	
SCGN090408T00520	SCG332T0220	3/8	9,53	.38	9,53	3/16	4,76	1/32	0,8	SCGN
SCGN090412T00520	SCG333T0220	3/8	9,53	.38	9,53	3/16	4,76	3/64	1,2	
SCGN120412T00520	SCG433T0220	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	
SCGN120412T01020	SCG433T0420	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	
SCGN120416T00520	SCG434T0220	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	
SCGN120416T01020	SCG444T0420	1/2	12,70	.50	12,70	1/4	6,35	1/16	1,6	
SCGN090408EFW	SCG332EFW	3/8	9,53	.38	9,53	3/16	4,76	1/32	0,8	SCGN-FW
SCGN120408EFW	SCG432EFW	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	
SCUN120412T00520	SCU433T0220	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	SCUN
SCUN120416T00520	SCU434T0220	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	
SPGN090308E	SPG322	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	SPGN
SPGN090308F	SPG322E	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	
SPGN120308	SPG422	1/2	12,70	.50	12,70	1/8	3,18	1/32	0,8	
SPGN120308E	SPG422	1/2	12,70	.50	12,70	1/8	3,18	1/32	0,8	
SPGN120308F	SPG422E	1/2	12,70	.50	12,70	1/8	3,18	1/32	0,8	
SPGN090304	SPG321	3/8	9,53	.38	9,53	1/8	3,18	1/64	0,4	SPGN
SPGN090308	SPG322	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	
SPGN090308T01020	SPG322T0420	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	
SPGN090312	SPG323	3/8	9,53	.38	9,53	1/8	3,18	3/64	1,2	
SPGN090312T01020	SPG323T0420	3/8	9,53	.38	9,53	1/8	3,18	3/64	1,2	
SPGN120304	SPG421	1/2	12,70	.50	12,70	1/8	3,18	1/64	0,4	
SPGN120304T01020	SPG421T0420	1/2	12,70	.50	12,70	1/8	3,18	1/64	0,4	
SPGN120308	SPG422	1/2	12,70	.50	12,70	1/8	3,18	1/32	0,8	
SPGN120308T00520	SPGN120308T00520	1/2	12,70	.50	12,70	1/8	3,18	1/32	0,8	

Bestellbeispiel:
ISO-Katalognummer: RPGX060400
Schneidstoffsorte: K313

KENDEX positive Wendeschneidplatten

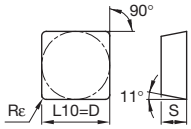
Schneidstoffauswahl

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	SPGN120308T02020								●		●																		
	SPGN120312	●	●	●	●										●					●									
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	SPGN120312T02020								●		●																		
	SPGN120316	●	●	●	●										●					●									
	SPGN120408		●																										
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	SPGN120412	●	●	●	●									●	●			●		●									
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	SPGN190412	●	●	●	●									●	●			●		●									
	SPGN190412T01020																										●		
	SPGN190416T02020										●																		
	SPGN190432		●																										
SPGR-K	SPGR090304K	●	●	●	●										●					●									
	SPGR090308K	●	●	●	●										●					●									
	SPGR120308K	●	●	●	●										●					●									
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	SPMR090308		●			●																							
	SPMR120304		●			●																							
	SPMR120308		●			●																							
SPUN	SPUN090308		●			●													●										
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	SPUN120312		●			●													●										
	SPUN120312T00520																										●		
	SPUN190412		●			●													●										
	SPUN190416		●			●																							
TPGN	TPGN090208											●													●				
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	TPGN110304E															●													
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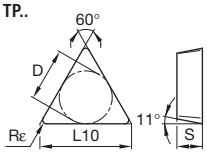
*KY1525 verfügbar Frühjahr 2005.

A187-A190 | A218-A219 | A245-A246 | A6-A19 | A26-A27 | A28-A32 | A33-A37

SP..



TP..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	
SPGN120308T01020	SPG422T0420	1/2	12,70	.50	12,70	1/8	3,18	1/32	0,8	SPGN
SPGN120308T02020	SPG422T0820	1/2	12,70	.50	12,70	1/8	3,18	1/32	0,8	
SPGN120312	SPG423	1/2	12,70	.50	12,70	1/8	3,18	3/64	1,2	
SPGN120312T00520	SPGN120312T00520	1/2	12,70	.50	12,70	1/8	3,18	3/64	1,2	
SPGN120312T01020	SPG423T0420	1/2	12,70	.50	12,70	1/8	3,18	3/64	1,2	
SPGN120312T02020	SPG423T0820	1/2	12,70	.50	12,70	1/8	3,18	3/64	1,2	
SPGN120316	SPG424	1/2	12,70	.50	12,70	1/8	3,18	1/16	1,6	
SPGN120408	SPG432	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	
SPGN120408T02020	SPG432T0820	1/2	12,70	.50	12,70	3/16	4,76	1/32	0,8	
SPGN120412	SPG433	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	
SPGN120412T01020	SPG433T0420	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	
SPGN120412T02020	SPG433T0820	1/2	12,70	.50	12,70	3/16	4,76	3/64	1,2	
SPGN120416T01020	SPG434T0420	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	
SPGN120416T02020	SPG434T0820	1/2	12,70	.50	12,70	3/16	4,76	1/16	1,6	
SPGN190404T00520	SPG631T0220	3/4	19,05	.75	19,05	3/16	4,76	1/64	0,4	
SPGN190408	SPG632	3/4	19,05	.75	19,05	3/16	4,76	1/32	0,8	
SPGN190412	SPG633	3/4	19,05	.75	19,05	3/16	4,76	3/64	1,2	
SPGN190412T01020	SPG633T0420	3/4	19,05	.75	19,05	3/16	4,76	3/64	1,2	
SPGN190416T02020	SPG634T0820	3/4	19,05	.75	19,05	3/16	4,76	1/16	1,6	
SPGN190432	SPG638	3/4	19,05	.75	19,05	3/16	4,76	1/8	3,2	
SPGR090304K	SPGF321	3/8	9,53	.38	9,53	1/8	3,18	1/64	0,4	SPGR-K
SPGR090308K	SPGF322	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	
SPGR120308K	SPGF422	1/2	12,70	.50	12,70	1/8	3,18	1/32	0,8	
SPMR090304	SPMR321	3/8	9,53	.38	9,53	1/8	3,18	1/64	0,4	SPMR
SPMR090308	SPMR322	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	
SPMR120304	SPMR421	1/2	12,70	.50	12,70	1/8	3,18	1/64	0,4	
SPMR120308	SPMR422	1/2	12,70	.50	12,70	1/8	3,18	1/32	0,8	
SPUN090308	SPU322	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	SPUN
SPUN090308T00520	SPU322T0220	3/8	9,53	.38	9,53	1/8	3,18	1/32	0,8	
SPUN120304	SPU421	1/2	12,70	.50	12,70	1/8	3,18	1/64	0,4	
SPUN120304T00520	SPU421T0220	1/2	12,70	.50	12,70	1/8	3,18	1/64	0,4	
SPUN120308	SPU422	1/2	12,70	.50	12,70	1/8	3,18	1/32	0,8	
SPUN120308T00520	SPU422T0220	1/2	12,70	.50	12,70	1/8	3,18	1/32	0,8	
SPUN120312	SPU423	1/2	12,70	.50	12,70	1/8	3,18	3/64	1,2	
SPUN120312T00520	SPU423T0220	1/2	12,70	.50	12,70	1/8	3,18	3/64	1,2	
SPUN190412	SPU633	3/4	19,05	.75	19,05	3/16	4,76	3/64	1,2	
SPUN190416	SPU634	3/4	19,05	.75	19,05	3/16	4,76	1/16	1,6	
TPGN090208	TPGE732	7/32	5,56	.38	9,63	3/32	2,38	1/32	0,8	TPGN
TPGN110304	TPG221	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	
TPGN110304E	TPG221	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	
TPGN110304F	TPG221E	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	
TPGN110308	TPG222	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TPGN110308E	TPG222	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TPGN110308F	TPG222E	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
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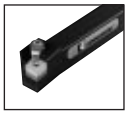
Bestellbeispiel:
ISO-Katalognummer: SPGN120308T01020
Schneidstoffsorte: KY4400

KENDEX positive Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P		M	K								N				S								H			
		KC5010	KC8050	KC5010	KC5010	KC9315	AC5	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	K313	KC5010	KD1405	KD100	K313	K68	KC5010	KY4300	KY1525*	KY2100	KY1540	KD120	KY4400	KY1615	KB9610	KB9640
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	TPGN110308T01020							●																		●	●	
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	TPGN160316T01020																										●	
	TPGN160408		●																									
	TPGN220404	●	●	●	●									●	●			●		●								
	TPGN220404T01020																										●	
	TPGN220408	●	●	●	●	●								●	●			●		●								
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*KY1525 verfügbar Frühjahr 2005.


A187-A190


A218-A219


A245-A246

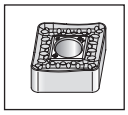


A6-A19

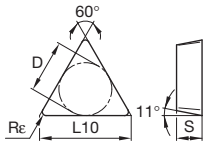


A26-A27


A28-A32


A33-A37

TP..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	
TPGN160304E	TPG321	3/8	9,53	.65	16,50	1/8	3,18	1/64	0,4	TPGN
TPGN160304F	TPG321E	3/8	9,53	.65	16,50	1/8	3,18	1/64	0,4	
TPGN160308	TPG322	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TPGN160308E	TPG322	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TPGN160308F	TPG322E	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TPGN160312	TPG323	3/8	9,53	.65	16,50	1/8	3,18	3/64	1,2	
TPGN220404	TPG431	1/2	12,70	.87	22,00	3/16	4,76	1/64	0,4	
TPGN220408	TPG432	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	
TPGN220412	TPG433	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	
TPGN110304EM	TPG221EM	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	TPGN-M
TPGN110304S01020M	TPG221S0420M	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	
TPGN110308EM	TPG222EM	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TPGN110308S01020M	TPG222S0420M	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TPGN160304EM	TPG321EM	3/8	9,53	.65	16,50	1/8	3,18	1/64	0,4	
TPGN160304S01020M	TPG321S0420M	3/8	9,53	.65	16,50	1/8	3,18	1/64	0,4	
TPGN160308EM	TPG322EM	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TPGN160308S01020M	TPG322S0420M	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TPGN060104	TPGE521	5/32	3,97	.27	6,88	1/16	1,59	1/64	0,4	TPGN
TPGN090204	TPGE731	7/32	5,56	.38	9,63	3/32	2,38	1/64	0,4	
TPGN110304	TPG221	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	
TPGN110304T01020	TPG221T0420	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	
TPGN110308	TPG222	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TPGN110308T00520	TPGN110308T00520	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TPGN110308T01020	TPG222T0420	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TPGN110312T01020	TPG223T0420	1/4	6,35	.43	11,00	1/8	3,18	3/64	1,2	
TPGN160302	TPG3205	3/8	9,53	.65	16,50	1/8	3,18	.008	0,2	
TPGN160304	TPG321	3/8	9,53	.65	16,50	1/8	3,18	1/64	0,4	
TPGN160304T00520	TPG321T0220	3/8	9,53	.65	16,50	1/8	3,18	1/64	0,4	
TPGN160304T01020	TPG321T0420	3/8	9,53	.65	16,50	1/8	3,18	1/64	0,4	
TPGN160308	TPG322	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TPGN160308E	TPG322E	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TPGN160308T00520	TPG322T0220	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TPGN160308T01020	TPG322T0420	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TPGN160308T02020	TPG322T0820	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TPGN160312	TPG323	3/8	9,53	.65	16,50	1/8	3,18	3/64	1,2	
TPGN160312T00520	TPGN160312T00520	3/8	9,53	.65	16,50	1/8	3,18	3/64	1,2	
TPGN160312T01020	TPG323T0420	3/8	9,53	.65	16,50	1/8	3,18	3/64	1,2	
TPGN160312T02020	TPG323T0820	3/8	9,53	.65	16,50	1/8	3,18	3/64	1,2	
TPGN160316	TPG324	3/8	9,53	.65	16,50	1/8	3,18	1/16	1,6	
TPGN160316T01020	TPG324T0420	3/8	9,53	.65	16,50	1/8	3,18	1/16	1,6	
TPGN160408	TPG332	3/8	9,53	.65	16,50	3/16	4,76	1/32	0,8	
TPGN220404	TPG431	1/2	12,70	.87	22,00	3/16	4,76	1/64	0,4	
TPGN220404T01020	TPG431T0420	1/2	12,70	.87	22,00	3/16	4,76	1/64	0,4	
TPGN220408	TPG432	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	
TPGN220408T01020	TPG432T0420	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	
TPGN220408T02020	TPG432T0820	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	
TPGN220412	TPG433	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	
TPGN220416	TPG434	1/2	12,70	.87	22,00	3/16	4,76	1/16	1,6	
TPGN220416T01020	TPG434T0420	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	
TPGN220424	TPG436	1/2	12,70	.87	22,00	3/16	4,76	3/32	2,4	
TPGN220432	TPG438	1/2	12,70	.87	22,00	3/16	4,76	1/8	3,2	
TPGN270608	TPG542	5/8	15,88	1.08	27,50	1/4	6,35	1/32	0,8	
TPGN270612	TPG543	5/8	15,88	1.08	27,50	1/4	6,35	3/64	1,2	
TPGN270616	TPG544	5/8	15,88	1.08	27,50	1/4	6,35	1/16	1,6	

Bestellbeispiel:
ISO-Katalognummer: TPGN160304E
Schneidstoffsorte: KD1405

KENDEX positive Wendeschneidplatten

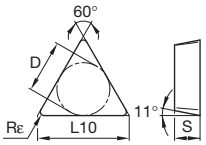
Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P		M	K								N				S							H			
		KC5010	KC8050	KC5010	KC5010	KC9315	AC5	KY4400	KY1310	KY3400	KY3500	KD120	KB9640	K313	KC5010	KD1405	KD100	K313	K68	KC5010	KY4300	KY1525*	KY2100	KY1540	KD120	KY4400	KY1615	KB9610	KB9640
TPGR-K	TPGR110304K	●	●	●	●										●				●	●								
	TPGR110308K	●	●	●	●										●					●								
	TPGR160304K	●	●	●	●										●				●	●								
	TPGR160308K	●	●	●	●										●					●								
	TPGR220404K	●	●	●	●										●					●								
	TPGR220408K	●	●	●	●										●					●								
TPMR	TPMR090204		●																									
	TPMR110304		●			●																						
	TPMR110308		●			●																						
	TPMR160304		●			●																						
	TPMR160308		●			●																						
	TPMR160312		●			●																						
	TPMR220408		●																									
	TPMR220412		●																									
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	TPUN110304T00520					●																				●		
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	TPUN160312		●			●																						
	TPUN160312T00520																									●		
	TPUN220408		●			●													●									
	TPUN220412		●			●													●									

*KY1525 verfügbar Frühjahr 2005.

A187-A190 | A218-A219 | A245-A246 | A6-A19 | A26-A27 | A28-A32 | A33-A37

TP..



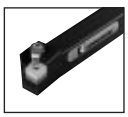
ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	
TPGR110304K	TPGF221	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	TPGR-K
TPGR110308K	TPGF222	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TPGR160304K	TPGF321	3/8	9,53	.65	16,50	1/8	3,18	1/64	0,4	
TPGR160308K	TPGF322	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TPGR220404K	TPGF431	1/2	12,70	.87	22,00	3/16	4,76	1/64	0,4	
TPGR220408K	TPGF432	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	
TPMR090204	TPMR731	7/32	5,56	.38	9,63	3/32	2,38	1/64	0,4	TPMR
TPMR110304	TPMR221	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	
TPMR110308	TPMR222	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TPMR160304	TPMR321	3/8	9,53	.65	16,50	1/8	3,18	1/64	0,4	
TPMR160308	TPMR322	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TPMR160312	TPMR323	3/8	9,53	.65	16,50	1/8	3,18	3/64	1,2	
TPMR220408	TPMR432	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	
TPMR220412	TPMR433	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	
TPUN110304	TPU221	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	TPUN
TPUN110304T00520	TPU221T0220	1/4	6,35	.43	11,00	1/8	3,18	1/64	0,4	
TPUN110308	TPU222	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TPUN110308T00520	TPU222T0220	1/4	6,35	.43	11,00	1/8	3,18	1/32	0,8	
TPUN160304	TPU321	3/8	9,53	.65	16,50	1/8	3,18	1/64	0,4	
TPUN160304T00520	TPU321T0220	3/8	9,53	.65	16,50	1/8	3,18	1/64	0,4	
TPUN160308	TPU322	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TPUN160308T00520	TPU322T0220	3/8	9,53	.65	16,50	1/8	3,18	1/32	0,8	
TPUN160312	TPU323	3/8	9,53	.65	16,50	1/8	3,18	3/64	1,2	
TPUN160312T00520	TPU323T0220	3/8	9,53	.65	16,50	1/8	3,18	3/64	1,2	
TPUN220408	TPU432	1/2	12,70	.87	22,00	3/16	4,76	1/32	0,8	
TPUN220412	TPU433	1/2	12,70	.87	22,00	3/16	4,76	3/64	1,2	

Bestellbeispiel:
ISO-Katalognummer:: TPGR110304K
Schneidstoffsorte: KC5010

SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P					M					K					N					S							H			KENNA UNIVERSAL	
		KT315	KC5010	KC9110	KC9125	KC8050	KT315	KC5010	KC5025	KC9225	KC9240	KT315	KC5010	KC9315	KC9325	KD120	K313	KC5410	KD1405	KD100	K313	K68	KC5010	KC5025	KC9225	KC9240	KD120	KY1615	KB9610	KB5625	KU10T	KU30T
CCGW -F -S	CCMW09T304F																			●												
	CCGW120404S01015															●										●						
	CCGW120408S01015															●										●						
	CCGW120412S01015															●										●						
CCGW-FWM	CCGW060202EFWM																											●	●			
	CCGW060202S01015FWM																											●				
	CCGW060204EFWM																											●	●			
	CCGW060204S01015FWM																											●				
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	CCGW060208S01015FWM																											●				
	CCGW09T304EFWM																												●			
	CCGW09T308EFWM																												●			
CCGW-FWMT	CCGW09T304EFWMT																											●				
	CCGW09T304S01015FWMT																											●				
	CCGW09T308EFWMT																											●				
	CCGW09T308S01015FWMT																											●				
CCGW-M	CCGW060202EM																											●	●			
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	CCGW09T308S01015M																												●			
CCGW-MT	CCGW09T304EMT																											●				
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	CCGW09T308EMT																											●				
	CCGW09T308S01015MT																											●				
CDHB	CDHBS4T0S0																			●									●			
	CDHBS4T002																			●									●			
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CPGB	CPGB09T302															●										●						
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	CPGB09T304F																			●												
	CPGB09T308															●										●						
	CPGB09T308F																			●												
CPGT-F	CPGT060202F																			●												
	CPGT060204F																			●												
	CPGT060208F																			●												
	CPGH09T302F																			●												
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A191-A200


A220-A231


A237

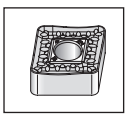

A247-A252

A6-A19

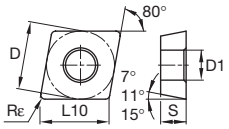


A26-A27


A28-A32


A33-A37

CC../CD../CP..



.C.. : 7°
.P. : 11°
.D.. : 15°

ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
CCMW09T304F	CCMW3251F	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	CCGW -F -S
CCGW120404S01015	CCGW431S0415	1/2	12,70	.508	12,90	3/16	4,76	1/64	0,4	.217	5,50	
CCGW120408S01015	CCGW432S0415	1/2	12,70	.508	12,90	3/16	4,76	1/32	0,8	.217	5,50	
CCGW120412S01015	CCGW433S0415	1/2	12,70	.508	12,90	3/16	4,76	3/64	1,2	.217	5,50	
CCGW060202EFWM	CCGW21505EFWM	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	CCGW-FWM
CCGW060202S01015FWM	CCGW21505S0415FWM	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	
CCGW060204EFWM	CCGW2151EFWM	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CCGW060204S01015FWM	CCGW2151S0415FWM	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CCGW060208EFWM	CCGW2152EFWM	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CCGW060208S01015FWM	CCGW2152S0415FWM	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CCGW09T304EFWM	CCGW3251EFWM	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CCGW09T308EFWM	CCGW3252EFWM	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CCGW09T304EFWMT	CCGW3251EFWMT	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	CCGW-FWMT
CCGW09T304S01015FWMT	CCGW3251S0415FWMT	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CCGW09T308EFWMT	CCGW3252EFWMT	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CCGW09T308S01015FWMT	CCGW3252S0415FWMT	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CCGW060202EM	CCGW21505EM	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	CCGW-M
CCGW060202S01015M	CCGW21505S0415M	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	
CCGW060204EM	CCGW2151EM	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CCGW060204S01015M	CCGW2151S0415M	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CCGW060208EM	CCGW2152EM	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CCGW060208S01015M	CCGW2152S0415M	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CCGW09T304S01015M	CCGW3251S0415M	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CCGW09T308S01015M	CCGW3252S0415M	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CCGW09T304EMT	CCGW3251EMT	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	CCGW-MT
CCGW09T304S01015MT	CCGW3251S0415MT	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CCGW09T308EMT	CCGW3252EMT	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CCGW09T308S01015MT	CCGW3252S0415MT	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CDHBS4T0S0	CDHB120601	5/32	3,97	.159	4,03	.040	1,02	.002	0,1	.083	2,10	CDHB
CDHBS4T002	CDHB120605	5/32	3,97	.159	4,03	.040	1,02	.008	0,2	.083	2,10	
CDHBS4T004	CDHB12061	5/32	3,97	.159	4,03	.040	1,02	1/64	0,4	.083	2,10	
CPGB09T302	CPGB32505	3/8	9,53	.381	9,67	5/32	3,97	.008	0,2	.173	4,40	CPGB
CPGB09T302F	CPGB32505F	3/8	9,53	.381	9,67	5/32	3,97	.008	0,2	.173	4,40	
CPGB09T304	CPGB3251	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CPGB09T304F	CPGB3251F	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CPGB09T308	CPGB3252	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPGB09T308F	CPGB3252F	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPGT060202F	CPGM21505F	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	CPGT-F
CPGT060204F	CPGM2151F	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CPGT060208F	CPGM2152F	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CPGH09T302F	CPGM32505F	3/8	9,53	.381	9,67	5/32	3,97	.004	0,2	.173	4,40	
CPGH09T304F	CPGM3251F	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CPGH09T308F	CPGM3252F	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	

Bestellbeispiel:
ISO-Katalognummer: CCMW09T304F
Schneidstoffsorte: KD100

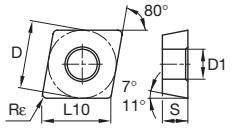
SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P					KENNA PERFECT M					KENNA PERFECT K				KENNA PERFECT N				KENNA PERFECT S							KENNA PERFECT H			KENNA UNIVERSAL	
		KT315	KC5010	KC9110	KC9125	KC8050	KT315	KC5010	KC5025	KC9225	KC9240	KT315	KC5010	KC9315	KC9325	KD120	K313	KC5410	KD1405	KD100	K313	K68	KC5010	KC5025	KC9225	KC9240	KD120	KY1615	KB9610	KB5625	KU10T	KU30T
CPGW	CPGW060202															●			●								●					
	CPGW060202E																		●													
	CPGW060202F																			●												
	CPGW060204															●			●								●					
	CPGW060204E																		●													
	CPGW060204F																			●												
	CPGW060208															●			●								●					
	CPGW060208E																		●													
	CPGW060208F																			●												
	CPGW09T304															●			●								●					
	CPGW09T304E																		●													
	CPGW09T304F																			●												
	CPGW09T308															●			●								●					
	CPGW09T308E																		●													
	CPGW09T308F																			●												
CPGW-FWM	CPGW060202EFWM																												●			
	CPGW060202S01015FWM																												●			
	CPGW060204EFWM																												●			
	CPGW060204S01015FWM																												●			
	CPGW060208EFWM																												●			
	CPGW060208S01015FWM																												●			
CPGW-FWMT	CPGW09T304EFWMT																												●			
	CPGW09T304S01015FWMT																												●			
	CPGW09T308EFWMT																												●			
	CPGW09T308S01015FWMT																												●			
CPGW-M	CPGW060202EM																												●	●		
	CPGW060202S01015M																												●			
	CPGW060204EM																												●			
	CPGW060204S01015M																												●	●		
	CPGW060208EM																												●			
	CPGW060208S01015M																												●	●		
	CPGW09T304S01015M																													●		
	CPGW09T308S01015M																													●		
CPGW-MT	CPGW09T304EMT																												●			
	CPGW09T304S01015MT																												●			
	CPGW09T308EMT																												●			
	CPGW09T308S01015MT																												●			
CCGT-HP	CCGT060202HP		●					●	●				●					●	●			●		●	●							
	CCGT060204HP		●					●	●				●					●	●			●		●	●							
	CCGT060208HP		●					●	●				●					●	●			●		●	●							
	CCGT09T302HP		●					●	●				●					●	●			●		●	●							
	CCGT09T304HP		●					●	●				●					●	●			●		●	●							
	CCGT09T308HP		●					●	●				●					●	●			●		●	●							
	CCGT120401HP		●					●	●				●						●					●	●							
	CCGT120402HP		●					●	●				●						●					●	●							
	CCGT120404HP		●					●	●				●					●	●			●		●	●							
	CCGT120408HP		●					●	●				●					●	●			●		●	●							

A191-A200 | A220-A231 | A237 | A247-A252 | A6-A19 | A26-A27 | A28-A32 | A33-A37

CC../CP..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
CPGW060202	CPGW21505	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	CPGW
CPGW060202E	CPGW21505E	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	
CPGW060202F	CPGW21505F	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	
CPGW060204	CPGW2151	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CPGW060204E	CPGW2151E	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CPGW060204F	CPGW2151F	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CPGW060208	CPGW2152	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CPGW060208E	CPGW2152E	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CPGW060208F	CPGW2152F	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CPGW09T304	CPGW3251	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CPGW09T304E	CPGW3251E	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CPGW09T304F	CPGW3251F	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CPGW09T308	CPGW3252	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPGW09T308E	CPGW3252E	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPGW09T308F	CPGW3252F	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPGW060202EFWM	CPGW21505EFWM	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	CPGW-FWM
CPGW060202S01015FWM	CPGW21505S0415FWM	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	
CPGW060204EFWM	CPGW2151EFWM	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CPGW060204S01015FWM	CPGW2151S0415FWM	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CPGW060208EFWM	CPGW2152EFWM	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CPGW060208S01015FWM	CPGW2152S0415FWM	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CPGW09T304EFWMT	CPGW3251EFWMT	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	CPGW-FWMT
CPGW09T304S01015FWMT	CPGW3251S0415FWMT	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CPGW09T308EFWMT	CPGW3252EFWMT	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPGW09T308S01015FWMT	CPGW3252S0415FWMT	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPGW060202EM	CPGW21505EM	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	CPGW-M
CPGW060202S01015M	CPGW21505S0415M	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	
CPGW060204EM	CPGW2151EM	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CPGW060204S01015M	CPGW2151S0415M	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CPGW060208EM	CPGW2152EM	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CPGW060208S01015M	CPGW2152S0415M	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CPGW09T304S01015M	CPGW3251S0415M	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CPGW09T308S01015M	CPGW3252S0415M	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPGW09T304EMT	CPGW3251EMT	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	CPGW-MT
CPGW09T304S01015MT	CPGW3251S0415MT	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CPGW09T308EMT	CPGW3252EMT	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPGW09T308S01015MT	CPGW3252S0415MT	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CCGT060202HP	CCGT21505HP	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	CCGT-HP
CCGT060204HP	CCGT2151HP	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CCGT060208HP	CCGT2152HP	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CCGT09T302HP	CCGT32505HP	3/8	9,53	.381	9,67	5/32	3,97	.008	0,2	.173	4,40	
CCGT09T304HP	CCGT3251HP	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CCGT09T308HP	CCGT3252HP	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CCGT120401HP	CCGT430HP	1/2	12,70	.508	12,90	3/16	4,76	.004	0,1	.217	5,50	
CCGT120402HP	CCGT4305HP	1/2	12,70	.508	12,90	3/16	4,76	.008	0,2	.217	5,50	
CCGT120404HP	CCGT431HP	1/2	12,70	.508	12,90	3/16	4,76	1/64	0,4	.217	5,50	
CCGT120408HP	CCGT432HP	1/2	12,70	.508	12,90	3/16	4,76	1/32	0,8	.217	5,50	

Bestellbeispiel:
ISO-Katalognummer: CPGW060202
Schneidstoffsorte: KD120

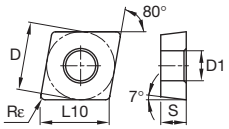
SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P KT315	P KC5010	P KC9110	P KC9125	P KC8050	M KT315	M KC5010	M KC5025	M KC9225	M KC9240	K KT315	K KC5010	K KC9315	K KC9325	K KD120	N K313	N KC5410	N KD1405	N KD100	S K313	S K68	S KC5010	S KC5025	S KC9225	S KC9240	S KD120	H KY1615	H KB9610	H KB5625	KENNA UNIVERSAL KU10T	KU30T
CCGT-LF	CCGT0602X0LF								●															●							
	CCGT060201LF		●					●	●				●				●	●			●		●	●								
	CCGT060202LF		●					●	●				●				●	●			●		●	●								
	CCGT060204LF		●					●	●				●				●	●			●		●	●								
	CCGT060208LF		●					●	●				●				●	●			●		●	●								
	CCGT09T3X0LF								●															●							
	CCGT09T301LF		●					●	●				●				●	●			●		●	●								
	CCGT09T302LF		●					●	●				●				●	●			●		●	●								
	CCGT09T304LF		●					●	●				●				●	●			●		●	●								
	CCGT09T308LF		●					●	●				●				●	●			●		●	●								
CCMT-11	CCMT06020411	●					●					●																			
	CCMT09T30411	●					●					●																			
	CCMT09T30811	●					●					●																			
	CCMT12040411	●					●					●																			
	CCMT12040811	●					●					●																			
CCMT-FW	CCMT060202FW	●	●				●	●				●	●										●								
	CCMT060204FW	●	●				●	●		●		●	●	●									●		●						
	CCMT060208FW	●	●				●	●		●		●	●	●									●		●						
	CCMT09T304FW	●	●				●	●		●		●	●	●									●		●						
	CCMT09T308FW	●	●				●	●		●		●	●	●									●		●						
CCMT-LF	CCMT060202LF	●	●				●	●	●			●	●				●				●		●	●							●	
	CCMT060204LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●					●	●
	CCMT060208LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	●
	CCMT09T302LF	●	●				●	●	●			●	●				●				●		●	●							●	
	CCMT09T304LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●					●	●
	CCMT09T308LF	●	●	●	●	●	●	●		●	●	●	●	●			●				●	●	●		●	●					●	●
	CCMT120404LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	●
	CCMT120408LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	●
	CCMT120412LF		●	●	●	●		●	●	●	●		●	●									●	●	●	●						●
CCMT-MF	CCMT060204MF			●	●	●				●	●			●	●										●	●						●
	CCMT09T304MF			●	●	●				●	●			●	●										●	●						●
	CCMT09T308MF			●	●	●			●	●	●			●	●									●	●	●						●
	CCMT09T312MF			●	●	●				●	●			●	●										●	●						
	CCMT120408MF			●	●	●				●	●			●	●										●	●						●
	CCMT120412MF			●	●	●			●	●	●			●	●									●	●	●						
CCMT-MW	CCMT09T304MW	●	●			●	●	●		●		●	●	●									●		●							
	CCMT09T308MW	●	●			●	●	●		●		●	●	●									●		●							
	CCMT120404MW	●	●			●	●	●		●		●	●	●									●		●							
	CCMT120408MW	●	●			●	●	●		●		●	●	●									●		●							

A191-A200 | A220-A231 | A237 | A247-A252 | A6-A19 | A26-A27 | A28-A32 | A33-A37

CC..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
CCGT0602X0LF	CCGT215X0LF	1/4	6,35	.254	6,45	3/32	2,38	.0015	0,04	.110	2,80	CCGT-LF
CCGT060201LF	CCGT2150LF	1/4	6,35	.254	6,45	3/32	2,38	.004	0,1	.110	2,80	
CCGT060202LF	CCGT21505LF	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	
CCGT060204LF	CCGT2151LF	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CCGT060208LF	CCGT2152LF	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CCGT09T3X0LF	CCGT325X0LF	3/8	9,53	.381	9,67	5/32	3,97	.0015	0,04	.173	4,40	
CCGT09T301LF	CCGT3250LF	3/8	9,53	.381	9,67	5/32	3,97	.004	0,1	.173	4,40	
CCGT09T302LF	CCGT32505LF	3/8	9,53	.381	9,67	5/32	3,97	.008	0,2	.173	4,40	
CCGT09T304LF	CCGT3251LF	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CCGT09T308LF	CCGT3252LF	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CCMT06020411	CCMT215111	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	CCMT-11
CCMT09T30411	CCMT325111	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CCMT09T30811	CCMT325211	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CCMT12040411	CCMT43111	1/2	12,70	.508	12,90	3/16	4,76	1/64	0,4	.217	5,50	
CCMT12040811	CCMT43211	1/2	12,70	.508	12,90	3/16	4,76	1/32	0,8	.217	5,50	
CCMT060202FW	CCMT21505FW	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	CCMT-FW
CCMT060204FW	CCMT2151FW	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CCMT060208FW	CCMT2152FW	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CCMT09T304FW	CCMT3251FW	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CCMT09T308FW	CCMT3252FW	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CCMT060202LF	CCMT21505LF	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	CCMT-LF
CCMT060204LF	CCMT2151LF	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CCMT060208LF	CCMT2152LF	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CCMT09T302LF	CCMT32505LF	3/8	9,53	.381	9,67	5/32	3,97	.008	0,2	.173	4,40	
CCMT09T304LF	CCMT3251LF	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CCMT09T308LF	CCMT3252LF	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CCMT120404LF	CCMT431LF	1/2	12,70	.508	12,90	3/16	4,76	1/64	0,4	.217	5,50	
CCMT120408LF	CCMT432LF	1/2	12,70	.508	12,90	3/16	4,76	1/32	0,8	.217	5,50	
CCMT120412LF	CCMT433LF	1/2	12,70	.508	12,90	3/16	4,76	3/64	1,2	.217	5,50	
CCMT060204MF	CCMT2151MF	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	CCMT-MF
CCMT09T304MF	CCMT3251MF	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CCMT09T308MF	CCMT3252MF	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CCMT09T312MF	CCMT3253MF	3/8	9,53	.381	9,67	5/32	3,97	3/64	1,2	.173	4,40	
CCMT120408MF	CCMT432MF	1/2	12,70	.508	12,90	3/16	4,76	1/32	0,8	.217	5,50	
CCMT120412MF	CCMT433MF	1/2	12,70	.508	12,90	3/16	4,76	3/64	1,2	.217	5,50	
CCMT09T304MW	CCMT3251MW	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	CCMT-MW
CCMT09T308MW	CCMT3252MW	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CCMT120404MW	CCMT431MW	1/2	12,70	.508	12,90	3/16	4,76	1/64	0,4	.217	5,50	
CCMT120408MW	CCMT432MW	1/2	12,70	.508	12,90	3/16	4,76	1/32	0,8	.217	5,50	

Bestellbeispiel:
ISO-Katalognummer: CCGT0602X0LF
Schneidstoffsorte: KC5025

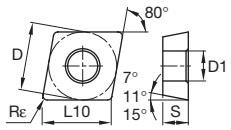
SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P					KENNA PERFECT M					KENNA PERFECT K				KENNA PERFECT N				KENNA PERFECT S						KENNA PERFECT H			KENNA UNIVERSAL	
		KT315	KC5010	KC9110	KC9125	KC8050	KT315	KC5010	KC5025	KC9225	KC9240	KT315	KC5010	KC9315	KC9325	KD120	K313	KC5410	KD1405	KD100	K313	K68	KC5010	KC5025	KC9225	KC9240	KD120	KY1615	KB9610	KB5625	KU10T	KU30T
CCMT-UF	CCMT060204UF		●	●	●			●					●										●								●	
	CCMT09T302UF		●	●	●			●					●										●									
	CCMT09T304UF		●	●	●			●					●										●								●	
	CCMT09T308UF		●	●	●			●					●										●								●	
CDHB	CDHBS4T0S0	●	●				●	●	●			●	●																			
	CDHBS4T002	●	●				●	●	●			●	●				●				●		●	●								
	CDHBS4T004	●	●				●	●	●			●	●				●				●		●	●								
CDHH	CDHHS4T002L	●	●				●	●	●			●	●										●	●								
	CDHHS4T002R	●	●				●	●	●			●	●										●	●								
	CDHHS4T004L	●	●				●	●	●			●	●										●	●								
	CDHHS4T004R	●	●				●	●	●			●	●										●	●								
CPGH	CPGH09T301	●	●				●	●	●			●	●										●	●								
	CPGH09T302	●	●				●	●	●			●	●				●				●		●	●								
	CPGH09T304	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●						
	CPGH09T308	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●			●		●	●	●	●						
CPGT-HP	CPGT060202HP		●					●	●				●					●					●	●								
	CPGT060204HP		●					●	●				●					●					●	●								
	CPGT060208HP		●					●	●				●					●					●	●								
	CPGT09T302HP		●					●	●				●				●	●			●		●	●								
	CPGT09T304HP		●					●	●				●				●	●			●		●	●								
	CPGT09T308HP		●					●	●				●					●					●	●								
CPGT-LF	CPGT060201LF		●					●	●				●				●	●			●		●	●								
	CPGT060202LF		●					●	●				●				●	●			●		●	●								
	CPGT060204LF		●					●	●				●				●	●			●		●	●								
	CPGT060208LF		●					●	●				●				●	●			●		●	●								
	CPGT09T302LF		●					●	●				●				●	●			●		●	●								
	CPGT09T304LF		●					●	●				●				●	●			●		●	●								
	CPGT09T308LF		●					●	●				●				●	●			●		●	●								
CPMT-FW	CPMT060202FW	●	●				●	●				●	●										●									
	CPMT060204FW	●	●				●	●		●		●	●	●									●		●							
	CPMT060208FW	●	●				●	●		●		●	●	●									●		●							
	CPMT09T304FW	●	●				●	●		●		●	●	●									●		●							
	CPMT09T308FW	●	●				●	●		●		●	●	●									●		●							

A191-A200 | A220-A231 | A237 | A247-A252 | A6-A19 | A26-A27 | A28-A32 | A33-A37

CC../CD../CP..



.C.. : 7°
.P.. : 11°
.D.. : 15°

ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
CCMT060204UF	CCMT2151UF	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	CCMT-UF
CCMT09T302UF	CCMT32505UF	3/8	9,53	.381	9,67	5/32	3,97	.008	0,2	.173	4,40	
CCMT09T304UF	CCMT3251UF	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CCMT09T308UF	CCMT3252UF	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CDHBS4T0S0	CDHB120601	5/32	3,97	.159	4,03	.040	1,02	.002	0,1	.083	2,10	CDHB
CDHBS4T002	CDHB120605	5/32	3,97	.159	4,03	.040	1,02	.008	0,2	.083	2,10	
CDHBS4T004	CDHB12061	5/32	3,97	.159	4,03	.040	1,02	1/64	0,4	.083	2,10	
CDHHS4T002L	CDHH120605L	5/32	3,97	.159	4,03	.040	1,02	.008	0,2	.083	2,10	CDHH
CDHHS4T002R	CDHH120605R	5/32	3,97	.159	4,03	.040	1,02	.008	0,2	.083	2,10	
CDHHS4T004L	CDHH12061L	5/32	3,97	.159	4,03	.040	1,02	1/64	0,4	.083	2,10	
CDHHS4T004R	CDHH12061R	5/32	3,97	.159	4,03	.040	1,02	1/64	0,4	.083	2,10	
CPGH09T301	CPGM3250	3/8	9,53	.381	9,67	5/32	3,97	.004	0,1	.173	4,40	CPGH
CPGH09T302	CPGM32505	3/8	9,53	.381	9,67	5/32	3,97	.004	0,2	.173	4,40	
CPGH09T304	CPGM3251	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CPGH09T308	CPGM3252	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPGT060202HP	CPGT21505HP	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	CPGT-HP
CPGT060204HP	CPGT2151HP	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CPGT060208HP	CPGT2152HP	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CPGT09T302HP	CPGT32505HP	3/8	9,53	.381	9,67	5/32	3,97	.008	0,2	.173	4,40	
CPGT09T304HP	CPGT3251HP	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CPGT09T308HP	CPGT3252HP	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPGT060201LF	CPGT2150LF	1/4	6,35	.254	6,45	3/32	2,38	.004	0,1	.110	2,80	CPGT-LF
CPGT060202LF	CPGT21505LF	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	
CPGT060204LF	CPGT2151LF	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CPGT060208LF	CPGT2152LF	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CPGT09T302LF	CPGT32505LF	3/8	9,53	.381	9,67	5/32	3,97	.008	0,2	.173	4,40	
CPGT09T304LF	CPGT3251LF	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CPGT09T308LF	CPGT3252LF	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPMT060202FW	CPMT21505FW	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	CPMT-FW
CPMT060204FW	CPMT2151FW	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CPMT060208FW	CPMT2152FW	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CPMT09T304FW	CPMT3251FW	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CPMT09T308FW	CPMT3252FW	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	

Bestellbeispiel:
ISO-Katalognummer: CCMT060204UF
Schneidstoffsorte: KC5010

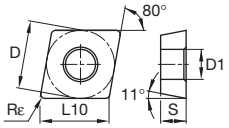
SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

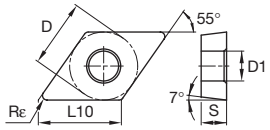
	ISO-Katalognummer	KENNA PERFECT P					KENNA PERFECT M					KENNA PERFECT K					KENNA PERFECT N					KENNA PERFECT S							KENNA PERFECT H			KENNA UNIVERSAL	
		KT315	KC5010	KC9110	KC9125	KC8050	KT315	KC5010	KC5025	KC9225	KC9240	KT315	KC5010	KC9315	KC9325	KD120	K313	KC5410	KD1405	KD100	K313	K68	KC5010	KC5025	KC9225	KC9240	KD120	KY1615	KB9610	KB5625	KU10T	KU30T
CPMT-LF	CPMT050202LF	●	●				●	●	●			●	●				●				●		●	●								
	CPMT050204LF	●	●				●	●	●			●	●				●				●		●	●								
	CPMT060202LF	●	●				●	●	●			●	●				●				●		●	●								
	CPMT060204LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●					●	●
	CPMT060208LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●					●	●
	CPMT09T302LF	●	●				●	●	●			●	●				●				●		●	●								
	CPMT09T304LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●					●	
	CPMT09T308LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●					●	●
CPMT-MF	CPMT060208MF			●	●	●				●	●			●	●										●	●						●
	CPMT09T308MF			●	●	●				●	●			●	●										●	●						●
	CPMT09T312MF			●	●	●				●	●			●	●										●	●						
CPMT-MW	CPMT09T304MW	●	●			●	●	●		●		●	●	●									●		●							
	CPMT09T308MW	●	●			●	●	●		●		●	●	●									●		●							
CPMT-UF	CPMT060204UF		●	●	●			●					●										●								●	
	CPMT09T304UF		●	●	●			●					●										●								●	
DCGW	DCMW11T304F															●				●												
	DCGW11T304S01015															●											●					
	DCGW11T308S01015															●											●					
DCGW-FWM	DCGW070204EFWM																												●			
	DCGW070204S01015FWM																												●			
DCGW-FWMT	DCGW11T304EFWMT																												●			
	DCGW11T304S01015FWMT																												●			
	DCGW11T308EFWMT																												●			
	DCGW11T308S01015FWMT																												●			

A191-A200 | A220-A231 | A237 | A247-A252 | A6-A19 | A26-A27 | A28-A32 | A33-A37

CP..



DC..



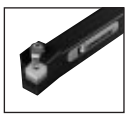
ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
CPMT050202LF	CPMT181505LF	7/32	5,56	.222	5,65	3/32	2,38	.008	0,2	.104	2,65	CPMT-LF
CPMT050204LF	CPMT18151LF	7/32	5,56	.222	5,65	3/32	2,38	1/64	0,4	.104	2,65	
CPMT060202LF	CPMT21505LF	1/4	6,35	.254	6,45	3/32	2,38	.008	0,2	.110	2,80	
CPMT060204LF	CPMT2151LF	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	
CPMT060208LF	CPMT2152LF	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	
CPMT09T302LF	CPMT32505LF	3/8	9,53	.381	9,67	5/32	3,97	.008	0,2	.173	4,40	
CPMT09T304LF	CPMT3251LF	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
CPMT09T308LF	CPMT3252LF	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPMT060208MF	CPMT2152MF	1/4	6,35	.254	6,45	3/32	2,38	1/32	0,8	.110	2,80	CPMT-MF
CPMT09T308MF	CPMT3252MF	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPMT09T312MF	CPMT3253MF	3/8	9,53	.381	9,67	5/32	3,97	3/64	1,2	.173	4,40	
CPMT09T304MW	CPMT3251MW	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	CPMT-MW
CPMT09T308MW	CPMT3252MW	3/8	9,53	.381	9,67	5/32	3,97	1/32	0,8	.173	4,40	
CPMT060204UF	CPMT2151UF	1/4	6,35	.254	6,45	3/32	2,38	1/64	0,4	.110	2,80	CPMT-UF
CPMT09T304UF	CPMT3251UF	3/8	9,53	.381	9,67	5/32	3,97	1/64	0,4	.173	4,40	
DCMW11T304F	DCMW3251F	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	DCGW
DCGW11T304S01015	DCGW3251S0415	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DCGW11T308S01015	DCGW3252S0415	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DCGW070204EFWM	DCGW2151EFWM	1/4	6,35	.305	7,75	3/32	2,38	1/64	0,4	.110	2,80	DCGW-FWM
DCGW070204S01015FWM	DCGW2151S0415FWM	1/4	6,35	.305	7,74	3/32	2,38	1/64	0,4	.110	2,80	
DCGW11T304EFWMT	DCGW3251EFWMT	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	DCGW-FWMT
DCGW11T304S01015FWMT	DCGW3251S0415FWMT	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DCGW11T308EFWMT	DCGW3252EFWMT	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DCGW11T308S01015FWMT	DCGW3252S0415FWMT	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	

Bestellbeispiel:
ISO-Katalognummer: CPMT050202LF
Schneidstoffsorte: KC5010

SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P KT315	P KC5010	P KC9110	P KC9125	P KC8050	M KT315	M KC5010	M KC5025	M KC9225	M KC9240	K KT315	K KC5010	K KC9315	K KC9325	K KD120	N K313	N KC5410	N KD1405	N KD100	S K313	S K68	S KC5010	S KC5025	S KC9225	S KC9240	S KD120	H KY1615	H KB9610	H KB5625	KENNA UNIVERSAL KU10T	KU30T
DCGW-M	DCGW070202EM																											●	●		
	DCGW070204EM																											●	●		
	DCGW070204S01015M																											●	●		
	DCGW11T304S01015M																												●		
	DCGW11T308S01015M																												●		
DCGW-MT	DCGW11T304EMT																											●			
	DCGW11T304S01015MT																											●			
	DCGW11T308EMT																											●			
	DCGW11T308S01015MT																											●			
DPGW	DPGW070202E																		●												
	DPMW070202F																			●											
	DPMW11T304															●											●				
	DPGW11T304E																		●												
	DPMW11T304F																			●											
	DPGW11T304F																			●											
	DPMW11T308															●											●				
	DPGW11T308E																		●												
	DPGW11T308F																			●											
	DPMW11T308F																			●											
DPGW-FWM	DPGW070204EFWM																											●			
	DPGW070204S01015FWM																											●			
DPGW-FWMT	DPGW11T304EFWMT																											●			
	DPGW11T304S01015FWMT																											●			
	DPGW11T308EFWMT																											●			
	DPGW11T308S01015FWMT																											●			
DPGW-M	DPGW070202EM																											●	●		
	DPGW070204EM																											●	●		
	DPGW070204S01015M																											●	●		
	DPGW070208S01015M																												●		
	DPGW11T304S01015M																												●		
	DPGW11T308S01015M																												●		
DPGW-MT	DPGW11T304EMT																											●			
	DPGW11T304S01015MT																											●			
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A191-A200


A220-A231


A237


A247-A252

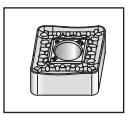


A6-A19

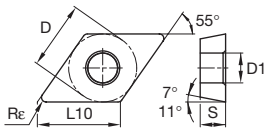


A26-A27


A28-A32


A33-A37

DC../DP..



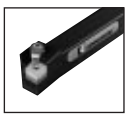
ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
DCGW070202EM	DCGW21505EM	1/4	6,35	.305	7,75	3/32	2,38	.008	0,2	.110	2,80	DCGW-M
DCGW070204EM	DCGW2151EM	1/4	6,35	.305	7,75	3/32	2,38	1/64	0,4	.110	2,80	
DCGW070204S01015M	DCGW2151S0415M	1/4	6,35	.305	7,75	3/32	2,38	1/64	0,4	.110	2,80	
DCGW11T304S01015M	DCGW3251S0415M	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DCGW11T308S01015M	DCGW3252S0415M	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DCGW11T304EMT	DCGW3251EMT	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	DCGW-MT
DCGW11T304S01015MT	DCGW3251S0415MT	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DCGW11T308EMT	DCGW3252EMT	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DCGW11T308S01015MT	DCGW3252S0415MT	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DPGW070202E	DPGW21505E	1/4	6,35	.305	7,75	3/32	2,38	.008	0,2	.110	2,80	DPGW
DPMW070202F	DPMW21505F	1/4	6,35	.305	7,75	3/32	2,38	.008	0,2	.110	2,80	
DPMW11T304	DPMW3251	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DPGW11T304E	DPGW3251E	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DPMW11T304F	DPMW3251F	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DPGW11T304F	DPGW3251F	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DPMW11T308	DPMW3252	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DPGW11T308E	DPGW3252E	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DPGW11T308F	DPGW3252F	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DPMW11T308F	DPMW3252F	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DPGW070204EFWM	DPGW2151EFWM	1/4	6,35	.305	7,74	3/32	2,38	1/64	0,4	.110	2,80	DPGW-FWM
DPGW070204S01015FWM	DPGW2151S0415FWM	1/4	6,35	.305	7,74	3/32	2,38	1/64	0,4	.110	2,80	
DPGW11T304EFWMT	DPGW3251EFWMT	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	DPGW-FWMT
DPGW11T304S01015FWMT	DPGW3251S0415FWMT	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DPGW11T308EFWMT	DPGW3252EFWMT	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DPGW11T308S01015FWMT	DPGW3252S0415FWMT	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DPGW070202EM	DPGW21505EM	1/4	6,35	.305	7,75	3/32	2,38	.008	0,2	.110	2,80	DPGW-M
DPGW070204EM	DPGW2151EM	1/4	6,35	.305	7,75	3/32	2,38	1/64	0,4	.110	2,80	
DPGW070204S01015M	DPGW2151S0415M	1/4	6,35	.305	7,75	3/32	2,38	1/64	0,4	.110	2,80	
DPGW070208S01015M	DPGW2152S0415M	1/4	6,35	.305	7,75	3/32	2,38	1/32	0,8	.110	2,80	
DPGW11T304S01015M	DPGW3251S0415M	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DPGW11T308S01015M	DPGW3252S0415M	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DPGW11T304EMT	DPGW3251EMT	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	DPGW-MT
DPGW11T304S01015MT	DPGW3251S0415MT	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DPGW11T308EMT	DPGW3252EMT	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DPGW11T308S01015MT	DPGW3252S0415MT	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	

Bestellbeispiel:
ISO-Katalognummer: DCGW070202EM
Schneidstoffsorte: KB9610

SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P					KENNA PERFECT M					KENNA PERFECT K				KENNA PERFECT N				KENNA PERFECT S						KENNA PERFECT H			KENNA UNIVERSAL	
		KT315	KC5010	KC9110	KC9125	KC8050	KT315	KC5010	KC5025	KC9225	KC9240	KT315	KC5010	KC9315	KC9325	KD120	K313	KC5410	KD1405	KD100	K313	K68	KC5010	KC5025	KC9225	KC9240	KD120	KY1615	KB9610	KB5625	KU10T	KU30T
DCGT-HP	DCGT070202HP		●					●	●				●				●	●			●		●	●								
	DCGT070204HP		●					●	●				●				●	●			●		●	●								
	DCGT070208HP		●					●	●				●				●	●					●	●								
	DCGT11T302HP		●					●	●				●				●	●			●		●	●								
	DCGT11T304HP		●					●	●				●				●	●			●		●	●								
	DCGT11T308HP		●					●	●				●				●	●					●	●								
DCGT-LF	DCGT0702X0LF								●															●								
	DCGT070201LF		●					●	●				●										●	●								
	DCGT11T3X0LF								●															●								
	DCGT11T301LF		●					●	●				●										●	●								
	DCGT150408LF		●					●	●				●										●	●								
DCMT-11	DCMT07020211	●					●					●																			
	DCMT07020411	●					●					●																			
	DCMT11T30411	●					●					●																			
	DCMT11T30811	●					●					●																			
DCMT-FW	DCMT11T304FW	●	●	●			●	●		●		●	●	●									●		●							
	DCMT11T308FW	●	●	●			●	●		●		●	●	●									●		●							
DCMT-LF	DCMT070202LF	●	●				●	●	●			●	●				●				●		●	●								
	DCMT070204LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●					●	●
	DCMT11T302LF	●	●				●	●	●			●	●				●				●		●	●								
	DCMT11T304LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●	●	●	●	●	●					●	●
	DCMT11T308LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●					●	●
	DCMT11T312LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●					●	●
	DCMT150404LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●						
	DCMT150408LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	●
DCMT-MF	DCMT11T304MF			●	●	●				●	●			●	●						●				●	●						●
	DCMT11T308MF			●	●	●				●	●			●	●		●				●				●	●						●
	DCMT11T312MF			●	●	●				●	●			●	●										●	●						●
DCMT-MW	DCMT11T304MW	●	●	●			●	●		●		●	●	●									●		●							
	DCMT11T308MW	●	●	●			●	●		●		●	●	●									●		●							
DCMT-UF	DCMT070204UF		●	●	●			●					●										●								●	
	DCMT11T302UF		●	●	●			●					●										●								●	
	DCMT11T304UF		●	●	●			●					●										●								●	
	DCMT11T308UF		●	●	●			●					●										●								●	


A191-A200


A220-A231


A237


A247-A252

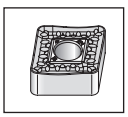


A6-A19

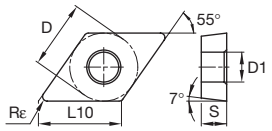


A26-A27


A28-A32


A33-A37

DC..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
DCGT070202HP	DCGT21505HP	1/4	6,35	.305	7,75	3/32	2,38	.008	0,2	.110	2,80	DCGT-HP
DCGT070204HP	DCGT2151HP	1/4	6,35	.305	7,75	3/32	2,38	1/64	0,4	.110	2,80	
DCGT070208HP	DCGT2152HP	1/4	6,35	.305	7,75	3/32	2,38	1/32	0,8	.110	2,80	
DCGT11T302HP	DCGT32505HP	3/8	9,53	.458	11,63	5/32	3,97	.008	0,2	.173	4,40	
DCGT11T304HP	DCGT3251HP	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DCGT11T308HP	DCGT3252HP	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DCGT0702X0LF	DCGT215X0LF	1/4	6,35	.305	7,75	3/32	2,38	.0015	0,04	.110	2,80	DCGT-LF
DCGT070201LF	DCGT2150LF	1/4	6,35	.305	7,75	3/32	2,38	.004	0,1	.110	2,80	
DCGT11T3X0LF	DCGT325X0LF	3/8	9,53	.458	11,63	5/32	3,97	.0015	0,04	.173	4,40	
DCGT11T301LF	DCGT3250LF	3/8	9,53	.458	11,63	5/32	3,97	.004	0,1	.173	4,40	
DCGT150408LF	DCGT432LF	1/2	12,70	.610	15,50	3/16	4,76	1/32	0,8	.217	5,50	
DCMT07020211	DCMT2150511	1/4	6,35	.305	7,75	3/32	2,38	.008	0,2	.110	2,80	DCMT-11
DCMT07020411	DCMT215111	1/4	6,35	.305	7,75	3/32	2,38	1/64	0,4	.110	2,80	
DCMT11T30411	DCMT325111	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DCMT11T30811	DCMT325211	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DCMT11T304FW	DCMT3251FW	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	DCMT-FW
DCMT11T308FW	DCMT3252FW	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DCMT070202LF	DCMT21505LF	1/4	6,35	.305	7,75	3/32	2,38	.008	0,2	.110	2,80	DCMT-LF
DCMT070204LF	DCMT2151LF	1/4	6,35	.305	7,75	3/32	2,38	1/64	0,4	.110	2,80	
DCMT11T302LF	DCMT32505LF	3/8	9,53	.458	11,63	5/32	3,97	.008	0,2	.173	4,40	
DCMT11T304LF	DCMT3251LF	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DCMT11T308LF	DCMT3252LF	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DCMT11T312LF	DCMT3253LF	3/8	9,53	.458	11,63	5/32	3,97	3/64	1,2	.173	4,40	
DCMT150404LF	DCMT431LF	1/2	12,70	.610	15,50	3/16	4,76	1/64	0,4	.217	5,50	
DCMT150408LF	DCMT432LF	1/2	12,70	.610	15,50	3/16	4,76	1/32	0,8	.217	5,50	
DCMT11T304MF	DCMT3251MF	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	DCMT-MF
DCMT11T308MF	DCMT3252MF	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DCMT11T312MF	DCMT3253MF	3/8	9,53	.458	11,63	5/32	3,97	3/64	1,2	.173	4,40	
DCMT11T304MW	DCMT3251MW	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	DCMT-MW
DCMT11T308MW	DCMT3252MW	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DCMT070204UF	DCMT2151UF	1/4	6,35	.305	7,75	3/32	2,38	1/64	0,4	.110	2,80	DCMT-UF
DCMT11T302UF	DCMT32505UF	3/8	9,53	.458	11,63	5/32	3,97	.008	0,2	.173	4,40	
DCMT11T304UF	DCMT3251UF	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DCMT11T308UF	DCMT3252UF	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	

Bestellbeispiel:
ISO-Katalognummer: DCGT070202HP
Schneidstoffsorte: KC5010

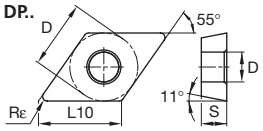
SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

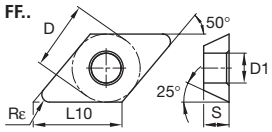
	ISO-Katalognummer	KENNA PERFECT P					KENNA PERFECT M					KENNA PERFECT K				KENNA PERFECT N				KENNA PERFECT S						KENNA PERFECT H			KENNA UNIVERSAL	
		KT315	KC5010	KC9110	KC9125	KC8050	KT315	KC5010	KC5025	KC9225	KC9240	KT315	KC5010	KC9315	KC9325	KD120	K313	KC5410	KD1405	KD100	K313	K68	KC5010	KC5025	KC9225	KC9240	KD120	KY1615	KB9610	KB5625	KU10T	KU30T
DPGT-HP	DPGT070202HP		●					●	●				●				●	●			●		●	●								
	DPGT070204HP		●					●	●				●				●	●			●		●	●								
	DPGT070208HP		●					●	●				●				●	●			●		●	●								
	DPGT11T304HP		●					●	●				●				●	●			●		●	●								
	DPGT11T308HP		●					●	●				●				●	●			●		●	●								
DPGT-LF	DPGT070201LF	●	●				●	●	●			●	●					●					●	●								
	DPGT070202LF	●	●				●	●	●			●	●					●					●	●								
	DPGT070204LF	●	●				●	●	●			●	●					●					●	●								
	DPGT11T301LF	●	●				●	●	●			●	●					●					●	●								
	DPGT11T302LF	●	●				●	●	●			●	●					●					●	●								
	DPGT11T304LF	●	●				●	●	●			●	●					●					●	●								
	DPGT11T308LF	●	●				●	●	●			●	●					●					●	●								
DPMT-FW	DPMT070204FW	●	●	●			●	●		●		●	●	●									●		●							
	DPMT070208FW	●	●	●			●	●		●		●	●	●									●		●							
	DPMT11T304FW	●	●	●			●	●		●		●	●	●									●		●							
	DPMT11T308FW	●	●	●			●	●		●		●	●	●									●		●							
DPMT-LF	DPMT070202LF	●	●				●	●	●			●	●										●	●								
	DPMT070204LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●						
	DPMT11T302LF	●	●				●	●	●			●	●										●	●								
	DPMT11T304LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	
	DPMT11T308LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	●
DPMT-MF	DPMT11T308MF			●	●	●				●	●			●	●										●	●						●
DPMT-UF	DPMT070204UF		●	●	●			●					●										●								●	
	DPMT11T304UF		●	●	●			●					●										●								●	
	DPMT11T308UF		●	●	●			●					●										●								●	
FFEW	FFEW533L																			●											
	FFEW533R																			●											

A191-A200 | A220-A231 | A237 | A247-A252 | A6-A19 | A26-A27 | A28-A32 | A33-A37

DP..



FF..

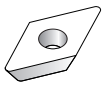
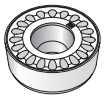


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
DPGT070202HP	DPGT21505HP	1/4	6,35	.305	7,75	3/32	2,38	.008	0,2	.110	2,80	DPGT-HP
DPGT070204HP	DPGT2151HP	1/4	6,35	.305	7,75	3/32	2,38	1/64	0,4	.110	2,80	
DPGT070208HP	DPGT2152HP	1/4	6,35	.305	7,75	3/32	2,38	1/32	0,8	.110	2,80	
DPGT11T304HP	DPGT3251HP	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DPGT11T308HP	DPGT3252HP	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DPGT070201LF	DPGT2150LF	1/4	6,35	.305	7,75	3/32	2,38	.004	0,1	.110	2,80	DPGT-LF
DPGT070202LF	DPGT21505LF	1/4	6,35	.305	7,75	3/32	2,38	.008	0,2	.110	2,80	
DPGT070204LF	DPGT2151LF	1/4	6,35	.305	7,75	3/32	2,38	1/64	0,4	.110	2,80	
DPGT11T301LF	DPGT3250LF	3/8	9,53	.458	11,63	5/32	3,97	.004	0,1	.173	4,40	
DPGT11T302LF	DPGT32505LF	3/8	9,53	.458	11,63	5/32	3,97	.008	0,2	.173	4,40	
DPGT11T304LF	DPGT3251LF	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DPGT11T308LF	DPGT3252LF	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DPMT070204FW	DPMT2151FW	1/4	6,35	.305	7,75	3/32	2,38	1/64	0,4	.110	2,80	DPMT-FW
DPMT070208FW	DPMT2152FW	1/4	6,35	.305	7,75	3/32	2,38	1/32	0,8	.110	2,80	
DPMT11T304FW	DPMT3251FW	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DPMT11T308FW	DPMT3252FW	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DPMT070202LF	DPMT21505LF	1/4	6,35	.305	7,75	3/32	2,38	.008	0,2	.110	2,80	DPMT-LF
DPMT070204LF	DPMT2151LF	1/4	6,35	.305	7,75	3/32	2,38	1/64	0,4	.110	2,80	
DPMT11T302LF	DPMT32505LF	3/8	9,53	.458	11,63	5/32	3,97	.008	0,2	.173	4,40	
DPMT11T304LF	DPMT3251LF	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DPMT11T308LF	DPMT3252LF	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
DPMT11T308MF	DPMT3252MF	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	DPMT-MF
DPMT070204UF	DPMT2151UF	1/4	6,35	.305	7,75	3/32	2,38	1/64	0,4	.110	2,80	DPMT-UF
DPMT11T304UF	DPMT3251UF	3/8	9,53	.458	11,63	5/32	3,97	1/64	0,4	.173	4,40	
DPMT11T308UF	DPMT3252UF	3/8	9,53	.458	11,63	5/32	3,97	1/32	0,8	.173	4,40	
FFEW533L	FFEW533L	5/8	15,88	.816	20,72	3/16	4,76	3/64	1,2	.217	5,51	FFEW
FFEW533R	FFEW533R	5/8	15,88	.816	20,72	3/16	4,76	3/64	1,2	.217	5,51	

Bestellbeispiel:
ISO-Katalognummer: DPGT070202HP
Schneidstoffsorte: KC5010

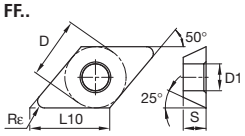
SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

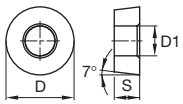
	ISO-Katalognummer	KENNA PERFECT P					M					K					N					S						H			KENNA UNIVERSAL	
		KT315	KC5010	KC9110	KC9125	KC8050	KT315	KC5010	KC5025	KC9225	KC9240	KT315	KC5010	KC9315	KC9325	KD120	K313	KC5410	KD1405	KD100	K313	K68	KC5010	KC5025	KC9225	KC9240	KD120	KY1615	KB9610	KB5625	KU10T	KU30T
FFEW 	FFEW210430L																	●														
	FFEW210430R																	●														
	FFEW533L																	●														
	FFEW533R																	●														
RCGT-HP 	RCGT0803M0HP		●					●	●				●				●	●			●		●	●								
	RCGT10T3M0HP		●					●	●				●				●	●			●		●	●								
	RCGT1204M0HP		●					●	●				●				●	●			●		●	●								
RCGT-MS 	RCGT0803M0MS							●					●										●	●								
	RCGX1003M0MS							●					●										●	●								
	RCGT1204M0MS							●					●										●	●								
	RCGT1606M0MS							●					●										●	●								
RCGW-T 	RCGW1204M0T01020																											●				
	RCGW1606M0T20015																											●				
	RCGW2006M0T20015																											●				
	RCGW2507M0T20015																											●				
RCMT 	RCMT0602M0		●			●		●			●		●	●			●				●		●			●						
	RCMT060200		●			●		●			●		●	●				●			●		●			●						
	RCMT0803M0		●			●		●			●		●	●			●				●		●			●						
	RCMT09T300		●			●		●			●		●	●			●	●			●		●			●						
	RCMT10T3M0		●			●		●			●		●	●			●				●		●			●						
	RCMT1204M0		●			●		●			●		●	●			●				●		●			●						
	RCMT1605M0		●			●		●			●		●	●			●				●		●			●						
	RCMT2006M0		●			●		●			●		●	●			●				●		●			●						
RCMT-RH 	RCMT2006M0RH			●	●						●															●						
	RCMX2507M0RH			●	●						●															●						
	RCMX3209M0RH			●	●						●															●						
RCMT-RM 	RCMT2006M0RM			●	●						●															●						

A191-A200 | A220-A231 | A237 | A247-A252 | A6-A19 | A26-A27 | A28-A32 | A33-A37

FF..



RC..



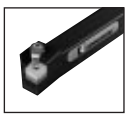
ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
FFEW210430L	FFEW210430L	5/8	15,88	.816	20,72	3/16	4,76	.118	3,0	.217	5,51	FFEW
FFEW210430R	FFEW210430R	5/8	15,88	.816	20,72	3/16	4,76	.118	3,0	.217	5,51	
FFEW533L	FFEW533L	5/8	15,88	.816	20,72	3/16	4,76	3/64	1,2	.217	5,51	
FFEW533R	FFEW533R	5/8	15,88	.816	20,72	3/16	4,76	3/64	1,2	.217	5,51	
RCGT0803M0HP	RCGT0803M0HP	.315	8,00	-	-	1/8	3,18	-	-	.134	3,40	RCGT-HP
RCGT10T3M0HP	RCGT10T3M0HP	.394	10,00	-	-	5/32	3,97	-	-	.173	4,40	
RCGT1204M0HP	RCGT1204M0HP	.472	12,00	-	-	3/16	4,76	-	-	.173	4,40	
RCGT0803M0MS	RCGT0803M0MS	.315	8,00	-	-	1/8	3,18	-	-	.134	3,40	RCGT-MS
RCGX1003M0MS	RCGX1003M0MS	.394	10,00	-	-	5/32	3,97	-	-	.134	3,40	
RCGT1204M0MS	RCGT1204M0MS	.472	12,00	-	-	3/16	4,76	-	-	.173	4,40	
RCGT1606M0MS	RCGT1606M0MS	.630	16,00	-	-	1/4	6,35	-	-	.217	5,50	
RCGW1204M0T01020	RCGW1204M0T01020	.472	12,00	-	-	3/16	4,76	-	-	.173	4,40	RCGW-T
RCGW1606M0T20015	RCGW1606M0T20015	.630	16,00	-	-	1/4	6,35	-	-	.217	5,50	
RCGW2006M0T20015	RCGW2006M0T20015	.787	20,00	-	-	1/4	6,35	-	-	.256	6,50	
RCGW2507M0T20015	RCGW2507M0T20015	.984	25,00	-	-	5/16	7,94	-	-	.291	7,40	
RCMT0602M0	RCMT0602M0	.236	6,00	-	-	3/32	2,38	-	-	.110	2,80	RCMT
RCMT060200	RCMT215	1/4	6,35	-	-	3/32	2,38	-	-	.110	2,80	
RCMT0803M0	RCMT0803M0	.315	8,00	-	-	1/8	3,18	-	-	.134	3,40	
RCMT09T300	RCMT325	3/8	9,53	-	-	5/32	3,97	-	-	.173	4,40	
RCMT10T3M0	RCMT10T3M0	.394	10,00	-	-	5/32	3,97	-	-	.173	4,40	
RCMT1204M0	RCMT1204M0	.472	12,00	-	-	3/16	4,76	-	-	.173	4,40	
RCMT1605M0	RCMT1605M0	.630	16,00	-	-	7/32	5,56	-	-	.217	5,50	
RCMT2006M0	RCMT2006M0	.787	20,00	-	-	1/4	6,35	-	-	.256	6,50	
RCMT2006M0RH	RCMT2006M0RH	.787	20,00	-	-	1/4	6,35	-	-	.256	6,50	RCMT-RH
RCMX2507M0RH	RCMX2507M0RH	.984	25,00	-	-	5/16	7,94	-	-	.291	7,40	
RCMX3209M0RH	RCMX3209M0RH	1.259	32,00	-	-	3/8	9,53	-	-	.374	9,50	
RCMT2006M0RM	RCMT2006M0RM	.787	20,00	-	-	1/4	6,35	-	-	.256	6,50	RCMT-RM

Bestellbeispiel:
ISO-Katalognummer: FFEW210430L
Schneidstoffsorte: KC5410

SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P					M					K					N				S						H			KENNA UNIVERSAL	
		KT315	KC5010	KC9110	KC9125	KC8050	KT315	KC5010	KC5025	KC9225	KC9240	KT315	KC5010	KC9315	KC9325	KD120	K313	KC5410	KD1405	KD100	K313	K68	KC5010	KC5025	KC9225	KC9240	KD120	KY1615	KB9610	KB5625	KU10T	KU30T
RCMT-RP	RCGT0602M0RP			●	●	●								●																	
	RCGT0803M0RP			●	●	●								●																	
	RCGX1003M0RP			●	●	●								●																	
	RCMX1003M0RP			●	●	●								●																	
	RCGT1204M0RP			●	●	●								●																	
	RCMT1204M0RP			●	●	●								●																	
	RCMT1606M0RP			●	●	●								●																	
	RCMT2006M0RP			●	●						●														●						
	RCMX2507M0RP			●	●						●														●						
	RCMX3209M0RP			●	●						●														●						
SCGW	SCGW120408S01015															●										●					
	SCGW120412S01015															●										●					
SCMT-11	SCMT09T30411	●					●					●																			
	SCMT09T30811	●					●					●																			
	SCMT12040411	●					●					●																			
	SCMT12040811	●					●					●																			
SCMT-LF	SCMT09T304LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	
	SCMT09T308LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	●
	SCMT120404LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	
	SCMT120408LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	●
	SCMT120412LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●						●
SCMT-MF	SCMT09T308MF			●	●	●				●	●			●	●										●	●						●
	SCMT120408MF			●	●	●				●	●			●	●										●	●						●
	SCMT120412MF			●	●	●				●	●			●	●										●	●						●
SCMT-UF	SCMT09T308UF		●	●	●			●					●										●								●	
SPGH	SPGH070208																	●														
	SPGH090308																	●														


A191-A200


A220-A231


A237


A247-A252

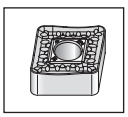


A6-A19

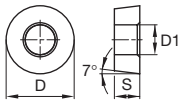


A26-A27

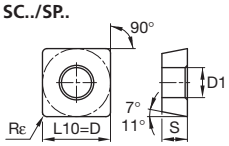

A28-A32


A33-A37

RC..



SC../SP..



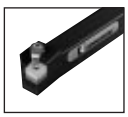
ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
RCGT0602M0RP	RCGT0602M0RP	.236	6,00	-	-	3/32	2,38	-	-	.110	2,80	RCMT-RP
RCGT0803M0RP	RCGT0803M0RP	.315	8,00	-	-	1/8	3,18	-	-	.134	3,40	
RCGX1003M0RP	RCGX1003M0RP	.394	10,00	-	-	5/32	3,97	-	-			
RCMX1003M0RP	RCMX1003M0RP	.394	10,00	-	-	5/32	3,97	-	-			
RCGT1204M0RP	RCGT1204M0RP	.472	12,00	-	-	3/16	4,76	-	-	.173	4,40	
RCMT1204M0RP	RCMT1204M0RP	.472	12,00	-	-	3/16	4,76	-	-	.173	4,40	
RCMT1606M0RP	RCMT1606M0RP	.630	16,00	-	-	1/4	6,35	-	-	.217	5,50	
RCMT2006M0RP	RCMT2006M0RP	.787	20,00	-	-	1/4	6,35	-	-	.256	6,50	
RCMX2507M0RP	RCMX2507M0RP	.984	25,00	-	-	5/16	7,94	-	-	.291	7,40	
RCMX3209M0RP	RCMX3209M0RP	1.259	32,00	-	-	3/8	9,53	-	-	.374	9,50	
SCGW120408S01015	SCGW432S0415	1/2	12,70	.500	12,70	3/16	4,76	1/32	0,8	.217	5,50	SCGW
SCGW120412S01015	SCGW433S0415	1/2	12,70	.500	12,70	3/16	4,76	3/64	1,2	.217	5,50	
SCMT09T30411	SCMT325111	3/8	9,53	.375	9,53	5/32	3,97	1/64	0,4	.173	4,40	SCMT-11
SCMT09T30811	SCMT325211	3/8	9,53	.375	9,53	5/32	3,97	1/32	0,8	.173	4,40	
SCMT12040411	SCMT43111	1/2	12,70	.500	12,70	3/16	4,76	1/64	0,4	.217	5,50	
SCMT12040811	SCMT43211	1/2	12,70	.500	12,70	3/16	4,76	1/32	0,8	.217	5,50	
SCMT09T304LF	SCMT3251LF	3/8	9,53	.375	9,53	5/32	3,97	1/64	0,4	.173	4,40	SCMT-LF
SCMT09T308LF	SCMT3252LF	3/8	9,53	.375	9,53	5/32	3,97	1/32	0,8	.173	4,40	
SCMT120404LF	SCMT431LF	1/2	12,70	.500	12,70	3/16	4,76	1/64	0,4	.217	5,50	
SCMT120408LF	SCMT432LF	1/2	12,70	.500	12,70	3/16	4,76	1/32	0,8	.217	5,50	
SCMT120412LF	SCMT433LF	1/2	12,70	.500	12,70	3/16	4,76	3/64	1,2	.217	5,50	
SCMT09T308MF	SCMT3252MF	3/8	9,53	.375	9,53	5/32	3,97	1/32	0,8	.173	4,40	SCMT-MF
SCMT120408MF	SCMT432MF	1/2	12,70	.500	12,70	3/16	4,76	1/32	0,8	.217	5,50	
SCMT120412MF	SCMT433MF	1/2	12,70	.500	12,70	3/16	4,76	3/64	1,2	.217	5,50	
SCMT09T308UF	SCMT3252UF	3/8	9,53	.375	9,53	5/32	3,97	1/32	0,8	.173	4,40	SCMT-UF
SPGH070208	SPGH25152	5/16	7,94	.276	7,00	3/32	2,38	1/32	0,8	.128	3,24	SPGH
SPGH090308	SPGH322	3/8	9,53	.375	9,53	1/8	3,18	1/32	0,8	.156	3,95	

Bestellbeispiel:
ISO-Katalognummer: RCGT0602M0RP
Schneidstoffsorte: KC9110

SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P					M					K					N				S						H			KENNA UNIVERSAL	
		KT315	KC5010	KC9110	KC9125	KC8050	KT315	KC5010	KC5025	KC9225	KC9240	KT315	KC5010	KC9315	KC9325	KD120	K313	KC5410	KD1405	KD100	K313	K68	KC5010	KC5025	KC9225	KC9240	KD120	KY1615	KB9610	KB5625	KU10T	KU30T
SPGT-LF	SPGT09T304LF		●					●	●				●					●					●	●								
	SPGT09T308LF		●					●	●				●					●					●	●								
SPMT-LF	SPMT09T304LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					
	SPMT09T308LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●
SPMT-MF	SPMT09T308MF			●	●	●				●	●			●	●										●	●					●
	SPMT120408MF			●	●	●				●	●			●	●										●	●					●
SPMT-UF	SPMT09T304UF		●	●	●			●					●										●								●	
TCGW	TCMW110204F																			●												
	TCGW16T304S01015															●											●					
	TCGW16T308S01015															●											●					
TCGW-M	TCGW110202EM																												●	●		
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	TCGW110208S01015M																												●			
	TCGW16T304S01015M																													●		
	TCGW16T308S01015M																													●		
TCGW-MT	TCGW16T304S01015MT																												●			
	TCGW16T308S01015MT																												●			
TDHB	TDHB07T12S0																			●										●		
	TDHB07T1202																			●										●		
	TDHB07T1204																			●										●		
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A191-A200


A220-A231


A237


A247-A252

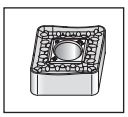


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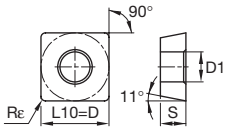


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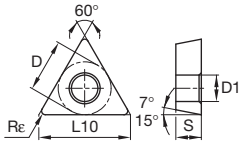

A28-A32


A33-A37

SP..



TC../TD..

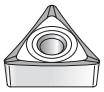
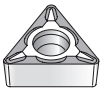


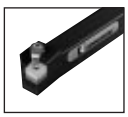
ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
SPGT09T304LF	SPGT3251LF	3/8	9,53	.375	9,53	5/32	3,97	1/64	0,4	.173	4,40	SPGT-LF
SPGT09T308LF	SPGT3252LF	3/8	9,53	.375	9,53	5/32	3,97	1/32	0,8	.173	4,40	
SPMT09T304LF	SPMT3251LF	3/8	9,53	.375	9,53	5/32	3,97	1/64	0,4	.173	4,40	SPMT-LF
SPMT09T308LF	SPMT3252LF	3/8	9,53	.375	9,53	5/32	3,97	1/32	0,8	.173	4,40	
SPMT09T308MF	SPMT3252MF	3/8	9,53	.375	9,53	5/32	3,97	1/32	0,8	.173	4,40	SPMT-MF
SPMT120408MF	SPMT432MF	1/2	12,70	.500	12,70	3/16	4,76	1/32	0,8	.217	5,50	
SPMT09T304UF	SPMT3251UF	3/8	9,53	.375	9,53	5/32	3,97	1/64	0,4	.173	4,40	SPMT-UF
TCMW110204F	TCMW2151F	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	TCGW
TCGW16T304S01015	TCGW3251S0415	3/8	9,53	.650	16,50	5/32	3,97	1/64	0,4	.173	4,40	
TCGW16T308S01015	TCGW3252S0415	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
TCGW110202EM	TCGW21505EM	1/4	6,35	.433	11,00	3/32	2,38	.008	0,2	.110	2,80	TCGW-M
TCGW110204S01015M	TCGW2151S0415M	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	
TCGW110208S01015M	TCGW2152S0415M	1/4	6,35	.433	11,00	3/32	2,38	1/32	0,8	.110	2,80	
TCGW16T304S01015M	TCGW3251S0415M	3/8	9,53	.650	16,50	5/32	3,97	1/64	0,4	.173	4,40	
TCGW16T308S01015M	TCGW3252S0415M	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
TCGW16T304S01015MT	TCGW3251S0415MT	3/8	9,53	.650	16,50	5/32	3,97	1/64	0,4	.173	4,40	TCGW-MT
TCGW16T308S01015MT	TCGW3252S0415MT	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
TDHB07T12S0	TDHB12807501	.160	4,06	.277	7,04	3/64	1,19	.002	0,05	.094	2,39	TDHB
TDHB07T1202	TDHB12807505	.160	4,06	.277	7,04	3/64	1,19	.007	0,2	.094	2,39	
TDHB07T1204	TDHB1280751	.160	4,06	.277	7,04	3/64	1,19	1/64	0,4	.094	2,39	
TDHB07T1208	TDHB1280752	.160	4,06	.277	7,04	3/64	1,19	1/32	0,8	.094	2,39	

Bestellbeispiel:
ISO-Katalognummer: SPGT09T304LF
Schneidstoffsorte: KC5010

SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P KT315	P KC5010	P KC9110	P KC9125	P KC8050	M KT315	M KC5010	M KC5025	M KC9225	M KC9240	K KT315	K KC5010	K KC9315	K KC9325	K KD120	N K313	N KC5410	N KD1405	N KD100	S K313	S K68	S KC5010	S KC5025	S KC9225	S KC9240	S KD120	H KY1615	H KB9610	H KB5625	KENNA UNIVERSAL KU10T	KU30T
TPGT 	TPGT110202F																			●											
	TPGT110204F																			●											
	TPGT110208F																			●											
TPGW 	TPGW110202E																		●												
	TPGW110202F																			●											
	TPGW110204															●											●				
	TPGW110204E																		●												
	TPGW110204F																			●											
	TPGW110208															●											●				
	TPGW110208E																		●												
	TPGW110208F																			●											
TPGW-M 	TPGW110202EM																												●	●	
	TPGW110204S01015M																												●	●	
	TPGW110208S01015M																												●	●	
	TPGW16T304S01015M																													●	
	TPGW16T308S01015M																													●	
TPGW-MT 	TPGW16T304S01015MT																												●		
	TPGW16T308S01015MT																												●		
TCGT-HP 	TCGT110202HP		●					●	●				●					●					●	●							
	TCGT110204HP		●					●	●				●				●	●			●		●	●							
	TCGT110208HP		●					●	●				●					●					●	●							
	TCGT16T302HP		●					●	●				●										●	●							
	TCGT16T304HP		●					●	●				●				●	●			●		●	●							
	TCGT16T308HP		●					●	●				●				●	●			●		●	●							
TCGT-LF 	TCGT1102X0LF								●															●							
	TCGT110201LF		●					●	●				●										●	●							
	TCGT110204LF		●					●	●				●										●	●							
	TCGT16T3X0LF								●															●							
	TCGT16T301LF		●					●	●				●										●	●							
	TCGT16T302LF		●					●					●										●								
	TCGT16T304LF		●					●	●				●					●					●	●							
	TCGT16T308LF		●					●					●										●								
TCMT-11 	TCMT11020411	●					●					●																			
	TCMT16T30411	●					●					●																			
	TCMT16T30811	●					●					●																			


A191-A200


A220-A231


A237


A247-A252

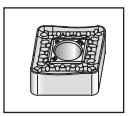


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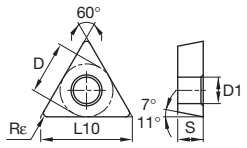


A26-A27


A28-A32


A33-A37

TP../TC..



ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
TPGT110202F	TPGM21505F	1/4	6,35	.433	11,00	3/32	2,38	.008	0,2	.110	2,80	TPGT
TPGT110204F	TPGM2151F	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	
TPGT110208F	TPGM2152F	1/4	6,35	.433	11,00	3/32	2,38	1/32	0,8	.110	2,80	
TPGW110202E	TPGW21505E	1/4	6,35	.433	11,00	3/32	2,38	.008	0,2	.110	2,80	TPGW
TPGW110202F	TPGW21505F	1/4	6,35	.433	11,00	3/32	2,38	.008	0,2	.110	2,80	
TPGW110204	TPGW2151	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	
TPGW110204E	TPGW2151E	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	
TPGW110204F	TPGW2151F	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	
TPGW110208	TPGW2152	1/4	6,35	.433	11,00	3/32	2,38	1/32	0,8	.110	2,80	
TPGW110208E	TPGW2152E	1/4	6,35	.433	11,00	3/32	2,38	1/32	0,8	.110	2,80	
TPGW110208F	TPGW2152F	1/4	6,35	.433	11,00	3/32	2,38	1/32	0,8	.110	2,80	
TPGW110202EM	TPGW21505EM	1/4	6,35	.433	11,00	3/32	2,38	.008	0,2	.110	2,80	TPGW-M
TPGW110204S01015M	TPGW2151S0415M	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	
TPGW110208S01015M	TPGW2152S0415M	1/4	6,35	.433	11,00	3/32	2,38	1/32	0,8	.110	2,80	
TPGW16T304S01015M	TPGW3251S0415M	3/8	9,53	.650	16,50	5/32	3,97	1/64	0,4	.173	4,40	
TPGW16T308S01015M	TPGW3252S0415M	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
TPGW16T304S01015MT	TPGW3251S0415MT	3/8	9,53	.650	16,50	5/32	3,97	1/64	0,4	.173	4,40	TPGW-MT
TPGW16T308S01015MT	TPGW3252S0415MT	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
TCGT110202HP	TCGT21505HP	1/4	6,35	.433	11,00	3/32	2,38	.008	0,2	.110	2,80	TCGT-HP
TCGT110204HP	TCGT2151HP	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	
TCGT110208HP	TCGT2152HP	1/4	6,35	.433	11,00	3/32	2,38	1/32	0,8	.110	2,80	
TCGT16T302HP	TCGT32505HP	3/8	9,53	.650	16,50	5/32	3,97	.008	0,2	.173	4,40	
TCGT16T304HP	TCGT3251HP	3/8	9,53	.650	16,50	5/32	3,97	1/64	0,4	.173	4,40	
TCGT16T308HP	TCGT3252HP	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
TCGT1102X0LF	TCGT215X0LF	1/4	6,35	.433	11,00	3/32	2,38	.0015	0,04	.110	2,80	TCGT-LF
TCGT110201LF	TCGT2150LF	1/4	6,35	.433	11,00	3/32	2,38	.004	0,1	.110	2,80	
TCGT110204LF	TCGT2151LF	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	
TCGT16T3X0LF	TCGT325X0LF	3/8	9,53	.650	16,50	5/32	3,97	.0015	0,04	.173	4,40	
TCGT16T301LF	TCGT3250LF	3/8	9,53	.650	16,50	5/32	3,97	.004	0,1	.173	4,40	
TCGT16T302LF	TCGT32505LF	3/8	9,53	.650	16,50	5/32	3,97	.008	0,2	.173	4,40	
TCGT16T304LF	TCGT3251LF	3/8	9,53	.650	16,50	5/32	3,97	1/64	0,4	.173	4,40	
TCGT16T308LF	TCGT3252LF	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
TCMT11020411	TCMT215111	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	TCMT-11
TCMT16T30411	TCMT325111	3/8	9,53	.650	16,50	5/32	3,97	1/64	0,4	.173	4,40	
TCMT16T30811	TCMT325211	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	

Bestellbeispiel:
ISO-Katalognummer: TPGT110202F
Schneidstoffsorte: KD100

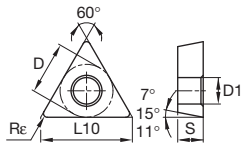
SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P KT315	P KC5010	P KC9110	P KC9125	P KC8050	M KT315	M KC5010	M KC5025	M KC9225	M KC9240	K KT315	K KC5010	K KC9315	K KC9325	K KD120	N K313	N KC5410	N KD1405	N KD100	S K313	S K68	S KC5010	S KC5025	S KC9225	S KC9240	S KD120	H KY1615	H KB9610	H KB5625	KENNA UNIVERSAL KU10T	KU30T
TCMT-LF	TCMT110202LF	●	●				●	●	●			●	●										●	●								
	TCMT110204LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	●
	TCMT110208LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	●
	TCMT16T302LF	●	●				●	●	●			●	●										●	●								
	TCMT16T304LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	●
	TCMT16T308LF	●	●	●	●	●	●	●	●	●	●	●	●	●							●		●	●	●	●					●	●
	TCMT16T312LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●						●
	TCMT220408LF		●	●	●	●		●	●	●	●		●	●									●	●	●	●						
TCMT-MF	TCMT110208MF			●	●	●				●	●			●	●										●	●						●
	TCMT16T308MF			●	●	●				●	●			●	●										●	●						●
	TCMT16T312MF			●	●	●				●	●			●	●										●	●						●
TCMT-UF	TCMT110204UF		●	●	●			●					●										●								●	
	TCMT110208UF		●	●	●			●					●										●								●	
	TCMT16T308UF		●	●	●			●					●										●								●	
TDHB	TDHB07T12S0	●	●				●	●	●			●	●										●	●								
	TDHB07T1202	●	●				●	●	●			●	●										●	●								
	TDHB07T1204	●	●				●	●	●			●	●										●	●								
	TDHB07T1208	●	●				●	●	●			●	●										●	●								
TDHH	TDHH07T1202L	●	●				●	●	●			●	●										●	●								
	TDHH07T1202R	●	●				●	●	●			●	●										●	●								
	TDHH07T1204L	●	●				●	●	●			●	●										●	●								
	TDHH07T1204R	●	●				●	●	●			●	●										●	●								
	TDHH07T1208L	●	●				●	●	●			●	●										●	●								
	TDHH07T1208R	●	●				●	●	●			●	●										●	●								
TPGH	TPGH16T304		●	●	●	●		●	●	●	●		●	●									●	●	●	●						
	TPGH16T308		●	●	●	●		●	●	●	●		●	●									●	●	●	●						
TPGT-HP	TPGT110202HP		●					●	●				●				●	●			●		●	●								
	TPGT110204HP		●					●	●				●				●	●			●		●	●								
	TPGT110208HP		●					●	●				●				●	●			●		●	●								
	TPGT16T302HP		●					●	●				●					●					●	●								
	TPGT16T304HP		●					●	●				●				●	●			●		●	●								
	TPGT16T308HP		●					●	●				●					●					●	●								

A191-A200 | A220-A231 | A237 | A247-A252 | A6-A19 | A26-A27 | A28-A32 | A33-A37

TC../TD../TP..

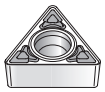
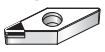
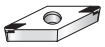
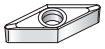


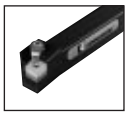
ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
TCMT110202LF	TCMT21505LF	1/4	6,35	.433	11,00	3/32	2,38	.008	0,2	.110	2,80	TCMT-LF
TCMT110204LF	TCMT2151LF	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	
TCMT110208LF	TCMT2152LF	1/4	6,35	.433	11,00	3/32	2,38	1/32	0,8	.110	2,80	
TCMT16T302LF	TCMT32505LF	3/8	9,53	.650	16,50	5/32	3,97	.008	0,2	.173	4,40	
TCMT16T304LF	TCMT3251LF	3/8	9,53	.650	16,50	5/32	3,97	1/64	0,4	.173	4,40	
TCMT16T308LF	TCMT3252LF	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
TCMT16T312LF	TCMT3253LF	3/8	9,53	.650	16,50	5/32	3,97	3/64	1,2	.173	4,40	
TCMT220408LF	TCMT432LF	1/2	12,70	.866	22,00	3/16	4,76	1/32	0,8	.217	5,50	
TCMT110208MF	TCMT2152MF	1/4	6,35	.433	11,00	3/32	2,38	1/32	0,8	.110	2,80	TCMT-MF
TCMT16T308MF	TCMT3252MF	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
TCMT16T312MF	TCMT3253MF	3/8	9,53	.650	16,50	5/32	3,97	3/64	1,2	.173	4,40	
TCMT110204UF	TCMT2151UF	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	TCMT-UF
TCMT110208UF	TCMT2152UF	1/4	6,35	.433	11,00	3/32	2,38	1/32	0,8	.110	2,80	
TCMT16T308UF	TCMT3252UF	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
TDHB07T12S0	TDHB12807501	.160	4,06	.277	7,04	3/64	1,19	.002	0,05	.094	2,39	TDHB
TDHB07T1202	TDHB12807505	.160	4,06	.277	7,04	3/64	1,19	.007	0,2	.094	2,39	
TDHB07T1204	TDHB1280751	.160	4,06	.277	7,04	3/64	1,19	1/64	0,4	.094	2,39	
TDHB07T1208	TDHB1280752	.160	4,06	.277	7,04	3/64	1,19	1/32	0,8	.094	2,39	
TDHH07T1202L	TDHH12807505L	.160	4,06	.277	7,04	3/64	1,19	.007	0,2	.094	2,39	TDHH
TDHH07T1202R	TDHH12807505R	.160	4,06	.277	7,04	3/64	1,19	.007	0,2	.094	2,39	
TDHH07T1204L	TDHH1280751L	.160	4,06	.277	7,04	3/64	1,19	1/64	0,4	.094	2,39	
TDHH07T1204R	TDHH1280751R	.160	4,06	.277	7,04	3/64	1,19	1/64	0,4	.094	2,39	
TDHH07T1208L	TDHH1280752L	.160	4,06	.277	7,04	3/64	1,19	1/32	0,8	.094	2,39	
TDHH07T1208R	TDHH1280752R	.160	4,06	.277	7,04	3/64	1,19	1/32	0,8	.094	2,39	
TPGH16T304	TPGM3251	3/8	9,53	.650	16,50	5/32	3,97	1/64	0,4	.173	4,40	TPGH
TPGH16T308	TPGM3252	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
TPGT110202HP	TPGT21505HP	1/4	6,35	.433	11,00	3/32	2,38	.008	0,2	.110	2,80	TPGT-HP
TPGT110204HP	TPGT2151HP	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	
TPGT110208HP	TPGT2152HP	1/4	6,35	.433	11,00	3/32	2,38	1/32	0,8	.110	2,80	
TPGT16T302HP	TPGT32505HP	3/8	9,53	.650	16,50	5/32	3,97	.008	0,2	.173	4,40	
TPGT16T304HP	TPGT3251HP	3/8	9,53	.650	16,50	5/32	3,97	1/64	0,4	.173	4,40	
TPGT16T308HP	TPGT3252HP	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	

Bestellbeispiel:
ISO-Katalognummer: TCMT110202LF
Schneidstoffsorte: KT315

SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC5010	KC9110	KC9125	KC8050	M: KT315	KC5010	KC5025	KC9225	KC9240	K: KT315	KC5010	KC9315	KC9325	KD120	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5010	KC5025	KC9225	KC9240	KD120	H: KY1615	KB9610	KB5625	KENNA UNIVERSAL: KU10T	KU30T
TPGT-LF 	TPGT090202LF		●					●	●				●					●					●	●								
	TPGT090204LF		●					●	●				●					●					●	●								
	TPGT110201LF		●					●	●				●					●					●	●								
	TPGT110202LF		●					●	●				●					●					●	●								
	TPGT110204LF		●					●	●				●					●					●	●								
	TPGT110208LF		●					●	●				●					●					●	●								
	TPGT16T304LF		●					●	●				●					●					●	●								
	TPGT16T308LF		●					●	●				●					●					●	●								
TPMT-LF 	TPMT090202LF	●	●				●	●	●			●	●								●		●	●								
	TPMT090204LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●						
	TPMT110202LF	●	●				●	●	●			●	●										●	●								
	TPMT110204LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●					●	●
	TPMT110208LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	●
	TPMT16T304LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●						●
	TPMT16T308LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●					●	
	TPMT16T312LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●						
	TPMT220408LF		●	●	●	●		●	●	●	●		●	●									●	●	●	●						
TPMT-MF 	TPMT110208MF			●	●	●				●	●			●	●										●	●						
	TPMT16T308MF			●	●	●				●	●			●	●										●	●						●
	TPMT16T312MF			●	●	●				●	●			●	●										●	●						
TPMT-UF 	TPMT110202UF		●	●	●			●					●										●									
	TPMT110204UF		●	●	●			●					●										●								●	
	TPMT16T304UF		●	●	●			●					●										●									
	TPMT16T308UF		●	●	●			●					●										●									
VBGW 	VBGW160404E																		●													
	VBGW160404F																		●	●												
	VBGW160408E																		●													
VBGW-MT 	VBGW160404S01015MT																												●			
	VBGW160408S01015MT																												●			
VBGT-HP 	VBGT110302HP		●					●	●				●					●					●	●								
	VBGT110304HP		●					●	●				●					●					●	●								
	VBGT160404HP		●					●	●				●				●	●			●		●	●								
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A191-A200


A220-A231


A237


A247-A252

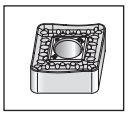


A6-A19

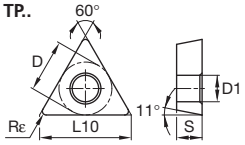


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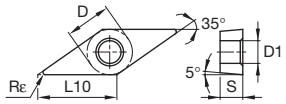

A28-A32


A33-A37

TP..



VB..

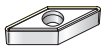
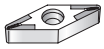
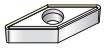
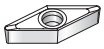
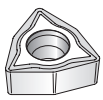
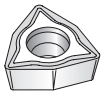


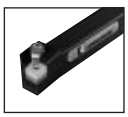
ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
TPGT090202LF	TPGT181505LF	7/32	5,56	.379	9,63	3/32	2,38	.008	0,2	.104	2,65	TPGT-LF
TPGT090204LF	TPGT18151LF	7/32	5,56	.379	9,63	3/32	2,38	1/64	0,4	.104	2,65	
TPGT110201LF	TPGT2150LF	1/4	6,35	.433	11,00	3/32	2,38	.004	0,1	.110	2,80	
TPGT110202LF	TPGT21505LF	1/4	6,35	.433	11,00	3/32	2,38	.008	0,2	.110	2,80	
TPGT110204LF	TPGT2151LF	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	
TPGT110208LF	TPGT2152LF	1/4	6,35	.433	11,00	3/32	2,38	1/32	0,8	.110	2,80	
TPGT16T304LF	TPGT3251LF	3/8	9,53	.650	16,50	5/32	3,97	1/64	0,4	.173	4,40	
TPGT16T308LF	TPGT3252LF	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
TPMT090202LF	TPMT181505LF	7/32	5,56	.379	9,63	3/32	2,38	.008	0,2	.104	2,65	TPMT-LF
TPMT090204LF	TPMT18151LF	7/32	5,56	.379	9,63	3/32	2,38	1/64	0,4	.104	2,65	
TPMT110202LF	TPMT21505LF	1/4	6,35	.433	11,00	3/32	2,38	.008	0,2	.110	2,80	
TPMT110204LF	TPMT2151LF	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	
TPMT110208LF	TPMT2152LF	1/4	6,35	.433	11,00	3/32	2,38	1/32	0,8	.110	2,80	
TPMT16T304LF	TPMT3251LF	3/8	9,53	.650	16,50	5/32	3,97	1/64	0,4	.173	4,40	
TPMT16T308LF	TPMT3252LF	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
TPMT16T312LF	TPMT3253LF	3/8	9,53	.650	16,50	5/32	3,97	3/64	1,2	.173	4,40	
TPMT220408LF	TPMT432LF	1/2	12,70	.866	22,00	3/16	4,76	1/32	0,8	.217	5,50	
TPMT110208MF	TPMT2152MF	1/4	6,35	.433	11,00	3/32	2,38	1/32	0,8	.110	2,80	TPMT-MF
TPMT16T308MF	TPMT3252MF	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
TPMT16T312MF	TPMT3253MF	3/8	9,53	.650	16,50	5/32	3,97	3/64	1,2	.173	4,40	
TPMT110202UF	TPMT21505UF	1/4	6,35	.433	11,00	3/32	2,38	.008	0,2	.110	2,80	TPMT-UF
TPMT110204UF	TPMT2151UF	1/4	6,35	.433	11,00	3/32	2,38	1/64	0,4	.110	2,80	
TPMT16T304UF	TPMT3251UF	3/8	9,53	.650	16,50	5/32	3,97	1/64	0,4	.173	4,40	
TPMT16T308UF	TPMT3252UF	3/8	9,53	.650	16,50	5/32	3,97	1/32	0,8	.173	4,40	
VBGW160404E	VBGW331E	3/8	9,53	.654	16,61	3/16	4,76	1/64	0,4	.173	4,40	VBGW
VBGW160404F	VBGW331F	3/8	9,53	.654	16,61	3/16	4,76	1/64	0,4	.173	4,40	
VBGW160408E	VBGW332E	3/8	9,53	.654	16,61	3/16	4,76	1/32	0,8	.173	4,40	
VBGW160404S01015MT	VBGW331S0415MT	3/8	9,53	.654	16,61	3/16	4,76	1/64	0,4	.173	4,40	VBGW-MT
VBGW160408S01015MT	VBGW332S0415MT	3/8	9,53	.654	16,61	3/16	4,76	1/32	0,8	.173	4,40	
VBGT110302HP	VBGT2205HP	1/4	6,35	.436	11,07	1/8	3,18	.008	0,2	.110	2,80	VBGT-HP
VBGT110304HP	VBGT221HP	1/4	6,35	.436	11,07	1/8	3,18	1/64	0,4	.110	2,80	
VBGT160404HP	VBGT331HP	3/8	9,53	.654	16,61	3/16	4,76	1/64	0,4	.173	4,40	
VBGT160408HP	VBGT332HP	3/8	9,53	.654	16,61	3/16	4,76	1/32	0,8	.173	4,40	

Bestellbeispiel:
ISO-Katalognummer: TPGT090202LF
Schneidstoffsorte: KC5010

SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P: KT315	KC5010	KC9110	KC9125	KC8050	M: KT315	KC5010	KC5025	KC9225	KC9240	K: KT315	KC5010	KC9315	KC9325	KD120	N: K313	KC5410	KD1405	KD100	S: K313	K68	KC5010	KC5025	KC9225	KC9240	KD120	H: KY1615	KB9610	KB5625	KENNA UNIVERSAL: KU10T	KU30T
VBGT-LF 	VBGT1103X0LF								●															●							
	VBGT110301LF		●					●	●				●					●					●	●								
	VBGT110302LF		●					●	●				●					●					●	●								
	VBGT110304LF		●					●	●				●					●					●	●								
	VBGT1604X0LF								●															●							
	VBGT160401LF		●					●	●				●					●					●	●								
	VBGT160402LF		●					●	●				●					●					●	●								
	VBGT160404LF		●					●	●				●					●				●	●	●								
VBMT-11 	VBMT11030211	●					●					●																			
	VBMT11030411	●					●					●																			
	VBMT16040411	●					●					●																			
	VBMT16040811	●					●					●																			
VBMT-LF 	VBMT110302LF	●	●				●	●				●	●				●				●		●									
	VBMT110304LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●					●	●
	VBMT110308LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●					●	
	VBMT160402LF	●	●				●	●	●			●	●				●				●	●	●	●								
	VBMT160404LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●					●	●
	VBMT160408LF	●	●	●	●	●	●	●	●	●	●	●	●	●			●				●		●	●	●	●					●	●
VCGT-HP 	VCGT160408HP																●				●											
WCMT-LF 	WCMT040204LF	●	●				●	●	●			●	●										●	●								
	WCMT06T308LF	●	●				●	●	●			●	●										●	●								
WPMT-LF 	WPMTS3T104LF		●					●	●				●										●	●								
	WPMT040204LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●						
	WPMT06T304LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●						
	WPMT06T308LF	●	●	●	●	●	●	●	●	●	●	●	●	●									●	●	●	●						


A191-A200


A220-A231


A237


A247-A252

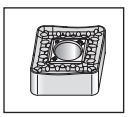


A6-A19

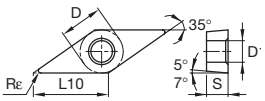


A26-A27

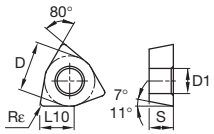

A28-A32


A33-A37

VB../VC..



WC../WP..

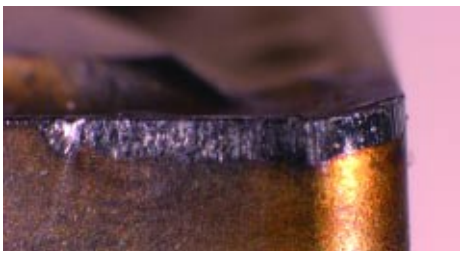


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	L10 Zoll	L10 mm	S Zoll	S mm	Rε Zoll	Rε mm	D1 Zoll	D1 mm	
VBGT1103X0LF	VBGT22X0LF	1/4	6,35	.436	11,07	1/8	3,18	.0015	0,04	.110	2,80	VBGT-LF
VBGT110301LF	VBGT220LF	1/4	6,35	.436	11,07	1/8	3,18	.004	0,1	.110	2,80	
VBGT110302LF	VBGT2205LF	1/4	6,35	.436	11,07	1/8	3,18	.008	0,2	.110	2,80	
VBGT110304LF	VBGT221LF	1/4	6,35	.436	11,07	1/8	3,18	1/64	0,4	.110	2,80	
VBGT1604X0LF	VBGT33X0LF	3/8	9,53	.654	16,61	3/16	4,76	.0015	0,04	.173	4,40	
VBGT160401LF	VBGT330LF	3/8	9,53	.654	16,61	3/16	4,76	.004	0,1	.173	4,40	
VBGT160402LF	VBGT3305LF	3/8	9,53	.654	16,61	3/16	4,76	.008	0,2	.173	4,40	
VBGT160404LF	VBGT331LF	3/8	9,53	.654	16,61	3/16	4,76	1/64	0,4	.173	4,40	
VBMT11030211	VBMT220511	1/4	6,35	.436	11,07	1/8	3,18	.008	0,2	.110	2,80	VBMT-11
VBMT11030411	VBMT22111	1/4	6,35	.436	11,07	1/8	3,18	1/64	0,4	.110	2,80	
VBMT16040411	VBMT33111	3/8	9,53	.654	16,61	3/16	4,76	1/64	0,4	.173	4,40	
VBMT16040811	VBMT33211	3/8	9,53	.654	16,61	3/16	4,76	1/32	0,8	.173	4,40	
VBMT110302LF	VBMT2205LF	1/4	6,35	.436	11,07	1/8	3,18	.008	0,2	.110	2,80	VBMT-LF
VBMT110304LF	VBMT221LF	1/4	6,35	.436	11,07	1/8	3,18	1/64	0,4	.110	2,80	
VBMT110308LF	VBMT222LF	1/4	6,35	.436	11,07	1/8	3,18	1/32	0,8	.110	2,80	
VBMT160402LF	VBMT3305LF	3/8	9,53	.654	16,61	3/16	4,76	.008	0,2	.173	4,40	
VBMT160404LF	VBMT331LF	3/8	9,53	.654	16,61	3/16	4,76	1/64	0,4	.173	4,40	
VBMT160408LF	VBMT332LF	3/8	9,53	.654	16,61	3/16	4,76	1/32	0,8	.173	4,40	
VCGT160408HP	VCGT332HP	3/8	9,53	.654	16,61	3/16	4,76	1/32	0,8	-	-	VCGT-HP
WCMT040204LF	WCMT2151LF	1/4	6,35	.171	4,34	3/32	2,38	1/64	0,4	.110	2,80	WCMT-LF
WCMT06T308LF	WCMT3252LF	3/8	9,53	.257	6,52	5/32	3,97	1/32	0,8	.173	4,40	
WPMTS3T104LF	WPMT15121LF	3/16	4,76	.128	3,25	5/64	1,98	1/64	0,4	.085	2,15	WPMT-LF
WPMT040204LF	WPMT2151LF	1/4	6,35	.171	4,34	3/32	2,38	1/64	0,4	.110	2,80	
WPMT06T304LF	WPMT3251LF	3/8	9,53	.257	6,52	5/32	3,97	1/64	0,4	.173	4,40	
WPMT06T308LF	WPMT3252LF	3/8	9,53	.257	6,52	5/32	3,97	1/32	0,8	.173	4,40	

Bestellbeispiel:
ISO-Katalognummer: VBGT1103X0LF
Schneidstoffsorte: KC5025

Verschleißmerkmale und Korrekturmaßnahmen

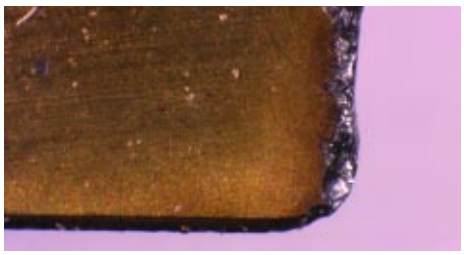
Freiflächenverschleiß*



Korrekturmaßnahme

- Vorschub erhöhen.
- Schnittgeschwindigkeit verringern.
- Verschleißfestere Schneidstoffsorte wählen.
- Beschichtete Schneidstoffsorte einsetzen.

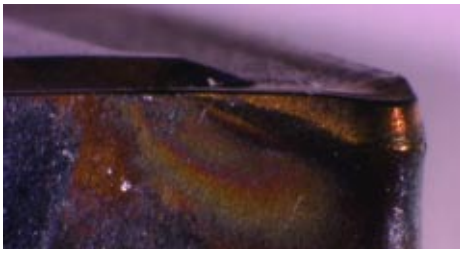
Ausbrüche



Korrekturmaßnahme

- Schneidstoffsorte mit höherer Zähigkeit wählen.
- Stabile Schneidkantenausführung wählen.
- Steifigkeit des Systems überprüfen (Vibration).
- Größeren Einstellwinkel wählen.

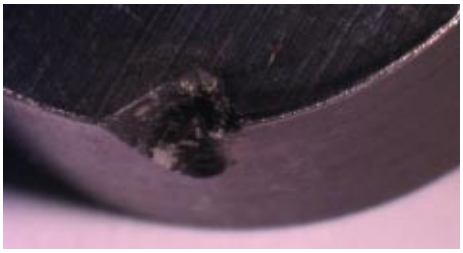
Plastische Deformation



Korrekturmaßnahme

- Schnittgeschwindigkeit verringern.
- Vorschub reduzieren.
- Schnitttiefe reduzieren.
- Schneidstoffsorte mit größerer Temperaturbeständigkeit wählen.

Einkerbungen an der Schnitttiefe



Korrekturmaßnahme

- Größeren Einstellwinkel wählen.
- Stabile Schneidkantenausführung wählen.
- Zähere Schneidstoffsorte einsetzen.
- Alternierende Schnitttiefen fahren.

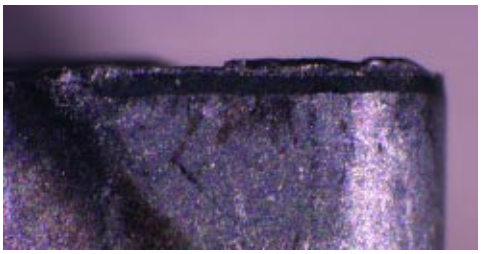
Kammrissbildung



Korrekturmaßnahme

- Für ausreichende Kühlschmierstoffzufuhr sorgen.
- Schnittgeschwindigkeit verringern.
- Vorschub reduzieren.
- Beschichtete Schneidstoffsorten einsetzen.

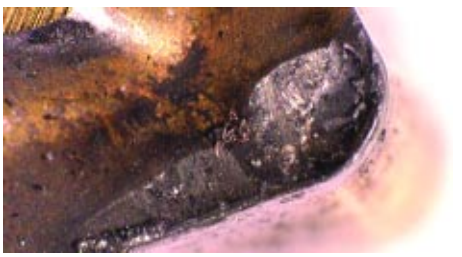
Aufbauschneidenbildung



Korrekturmaßnahme

- Schnittgeschwindigkeit erhöhen.
- Vorschub erhöhen.
- Beschichtete Schneidstoffsorten oder Cermets einsetzen.
- Kühlschmierstoff verwenden.
- Spanformstufen mit positivem Spanwinkel wählen

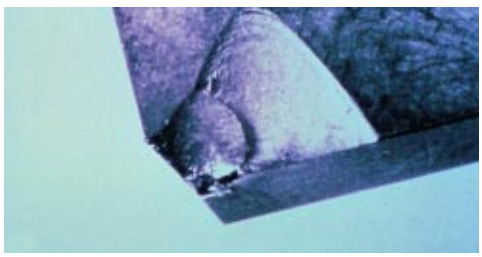
Kolk



Korrekturmaßnahme

- Vorschub reduzieren.
- Schnittgeschwindigkeit verringern.
- Beschichtete Schneidstoffsorten oder Cermets einsetzen.
- Kühlschmierstoff verwenden.

Bruch



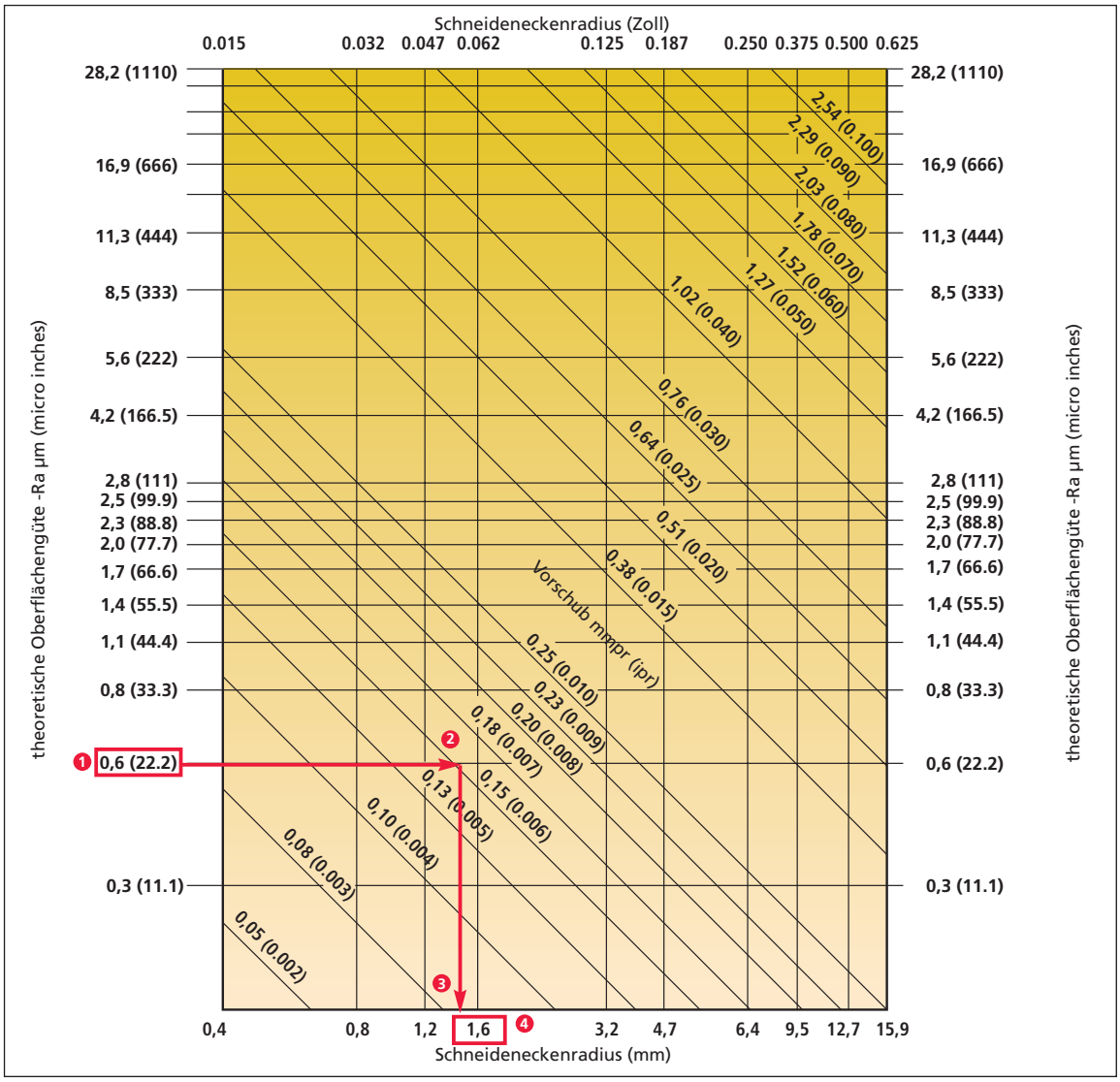
Korrekturmaßnahme

- Zähere Schneidstoffsorte wählen.
- Stabile Spanformstufe einsetzen.
- Vorschub reduzieren.
- Schnitttiefe reduzieren.
- Steifigkeit des Systems überprüfen.

*HINWEIS: In der Regel sollten Wendeschneidplatten gewendet werden, wenn ein Freiflächenverschleiß von 0,7 mm (0,030") erreicht ist. Für Schlichtbearbeitungen spätestens bei einem Freiflächenverschleiß von 0,4 mm (0,015") wenden.

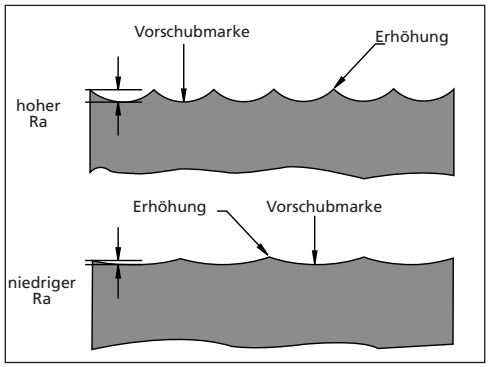
Schneideneckenradius-Auswahl und Oberflächengüte

Einsatzempfehlungen für herkömmliche Wendeschneidplatten*



Die Oberflächengüte wird vor allem durch den Schneideneckenradius und den Vorschub bestimmt. Um den für eine theoretische Oberflächengüte benötigten Schneideneckenradius zu bestimmen, folgen Sie der unten beschriebenen Vorgehensweise und beachten Sie das Diagramm oben.

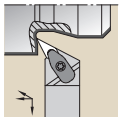
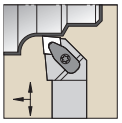
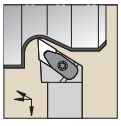
1. Ermitteln Sie die erforderliche Oberflächengüte (Ra oder AA) auf der senkrechten Achse.
2. Folgen Sie der waagerechten Linie für die gewünschte theoretische Güte bis zu deren Schnittpunkt mit der diagonalen Linie für den vorgesehenen Vorschub.
3. Führen Sie eine Linie abwärts zur Schneideneckenradiusskala und lesen Sie den erforderlichen Schneideneckenradius ab.
4. Fällt diese Linie zwischen zwei Werte, wählen Sie den größeren Wert.
   - Führt kein verfügbarer Schneideneckenradius zur gewünschten Oberflächengüte, muss der Vorschub reduziert werden.
   - Für die Bestimmung der Oberflächengüte anhand eines gegebenen Schneideneckenradius gilt der umgekehrte Vorgang.

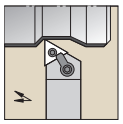
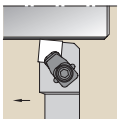
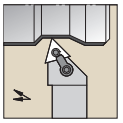


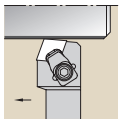
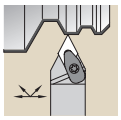
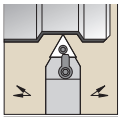
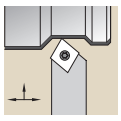
HINWEIS:
Spitzen, die von Wendeschneidplatten mit kleinem Radius erzeugt werden (oben), im Vergleich zu solchen, die von Wendeschneidplatten mit großem Radius erzeugt werden (unten).

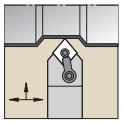
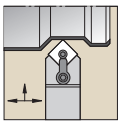
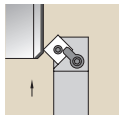
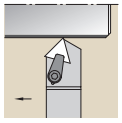
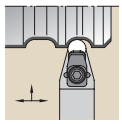
***HINWEIS: Siehe Seiten A20 und A22 für Angaben zu Radius und Oberflächengüte bei der Verwendung von Wiper-Wendeschneidplatten.**

Klemmhalter-Auswahlhilfe

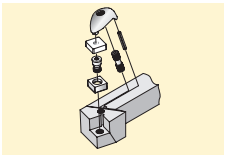
Werkzeugweg	Einstell-winkel	Spannsystem & Wendeschneid-plattenform	Drehen	Profildrehen	Plandrehen	Stechen	Fasen	Seite
Einstellwinkel 117,5°								
	117,5°	35° V						
		KENLOC	●	●				A168
		KENCLAMP	●		●			A156
Einstellwinkel 107,5°								
	107,5°	55° D						
		SCREW-ON	●	●				A194
		MTS	●			●		A173
		35° V						
		SCREW-ON		●	●			A199
Einstellwinkel 97,5°								
	97,5°	75° E						
		MTS	●		●			A175
Einstellwinkel 95°								
	95°	80° C						
		KENLOC	●	●	●			A163
		KENCLAMP	●	●	●			A152
		KENLEVER	●	●	●			A157
		SCREW-ON	●	●	●			A192
		MTS	●	●	●			A171
		80° W						
		KENLOC	●	●	●			A169
		KENCLAMP	●	●	●			A156
		KENLEVER	●	●	●			A161
		SCREW-ON	●	●	●			A200
		MTS	●	●	●			A186
		WEDGELOCK	●	●	●			A170
Einstellwinkel 93°								
	93°	55° D						
		KENLOC	●	●				A164
		KENCLAMP	●	●				A153
		KENLEVER	●	●				A158
		SCREW-ON	●	●				A194
		MTS	●	●				A174
		35° V						
		KENLOC	●	●				A168
		KENCLAMP	●	●				A156
		SCREW-ON	●	●				A199
		60° T						
		WEDGELOCK	●	●				A170

Werkzeugweg	Einstell-winkel	Spannsystem & Wendeschneid-plattenform	Drehen	Profildrehen	Plandrehen	Stechen	Fasen	Seite
Einstellwinkel 90°								
	90°	80° C						
		SCREW-ON	●		●			A191/A192
								A191
		55° D						
		SCREW-ON	●	●				A193
		35° V						
		SCREW-ON	●	●				A199
		60° T						
		KENLOC	●					A168
						●		A167
			●	●				A167
		KENCLAMP	●		●			A155
								A155
		KENLEVER	●					A160
					●			A160
		KENDEX	●					A190
					●			A188-A190
		SCREW-ON	●					A198
			●		●			A198
					●			A198
		MTS	●					A185
					●			A184
Einstellwinkel 85°								
	85°	90° S						
		MTS	●					A182
					●			A183
Einstellwinkel 75°								
	75°	80° C						
		KENLOC	●					A164
					●			A163
		KENCLAMP						
			●		●			A152
								A152
		KENLEVER	●					A158/A157
					●			A157
		KENDEX	●					A187
		SCREW-ON	●					A193
		MTS	●					A172
		90° S						
		KENLOC	●					A165
					●			A166
		KENCLAMP	●					A154
					●			A154
		KENLEVER	●					A157/A158
					●			A157/A159
		KENDEX			●			A187
			●					A187
		SCREW-ON	●					A193/A197
					●			A192/A197
		MTS	●					A180
					●			A179
		60° T						
		KENDEX	●					A188

Werkzeugweg	Einstell-winkel	Spannsystem & Wendeschneid-plattenform	Drehen	Profildrehen	Plandrehen	Stechen	Fasen	Seite
Einstellwinkel 72,5°								
	72,5°	55° D **KENLOC**	●	●				**A169**
		35° V **KENCLAMP**		●				**A156**
		SCREW-ON	●	●				**A200**
Einstellwinkel 70°								
	70°	75° E **MTS**	●					**A176**
Einstellwinkel 63°								
	63°	55° D **KENCLAMP**	●	●				**A153**
Einstellwinkel 62,5°								
	62,5°	55° D **KENLOC**	●	●				**A165**
		KENLEVER	●	●				**A158**
		SCREW-ON	●	●				**A195**
Einstellwinkel 60°								
	60°	60° T **KENLOC**	●	●				**A167**
		**KENDEX**	●					**A188/A189**
		SCREW-ON	●	●	●			**A191**

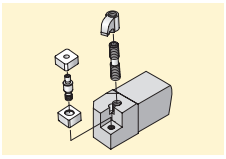
Werkzeugweg	Einstell-winkel	Spannsystem & Wendeschneid-plattenform	Drehen	Profildrehen	Plandrehen	Stechen	Fasen	Seite
Einstellwinkel 50°								
	50°	80° C **KENLOC**	●	●				**A164**
Einstellwinkel 45°								
	45°	80° C **KENCLAMP**	●		●			**A152**
		KENLEVER	●		●			**A157**
		SCREW-ON	●	●	●			**A191/A193**
		90° S **KENLOC**	●		● ●			**A166** **A167**
		KENCLAMP	● ●	 ●	● ●			**A154** **A155**
		**KENLEVER**	●		●			**A159**
		KENDEX	● ●	● 	 ●			**A187** **A188**
		**SCREW-ON**	●	●	●			**A197**
		MTS	●		●			**A181**
		60° T **KENDEX**	●					**A189**
		R **KENLOC**	●		●			**A165**
		KENCLAMP	●		●			**A153**
		**KENLEVER**	●		●			**A162**
		SCREW-ON	●		●			**A195/A196**
		MTS	● ●	●	● ●			**A177** **A178**

Spannsysteme



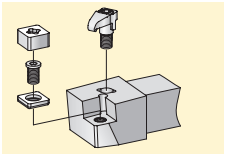
KENCLAMP

- Unser schnellstes Spannsystem
- Torx Plus System für optimale Kraftübertragung
- Form- und kraftschlüssiges Spannsystem mit optimaler Positioniergenauigkeit



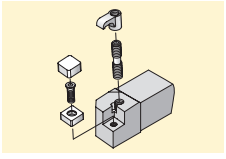
KENLOC

- Steife Befestigung durch KL-Pin und Spannfinger von oben.
- Werkzeuge können mit oder ohne Spannfinger verwendet werden



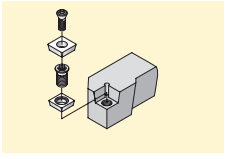
MTS-Modular Tooling System

- Bewährtes System zum Spannen von Keramik-Wendeschneidplatten beim Drehen und Profildrehen.
- Sehr vielseitig beim Spannen von KENDEX und KENLOC Wendeschneidplatten



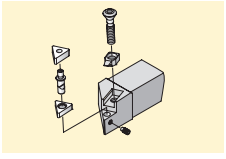
KENDEX

- Für KENDEX Wendeschneidplatten geeignet
- Spanstufenoption für Keramik-Wendeschneidplatten



SCREW-ON

- Befestigung von oben mit Schraube für aufschraubbare positive Wendeschneidplatten

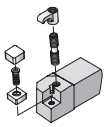
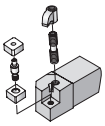
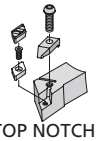
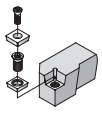
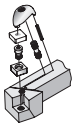


WEDGELOCK Style

- Pratzenklemmung von oben gegen einen Passstift über die Bohrung der Wendeplatte
- Spannsystem für wechselnde Schnittrichtung

Kennzeichnungssystem für Klemmhalter

1. Art der Klemmung

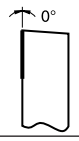
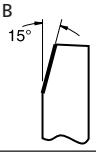
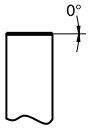
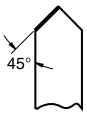
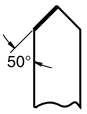
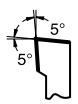
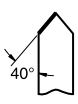
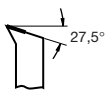
C  KENDEX	M  KENLOC
N*  TOP NOTCH Profiling	S  SCREW-ON
D*  KENCLAMP	P  KENLEVER

*Nur Kennametal

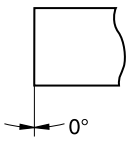
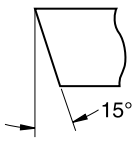
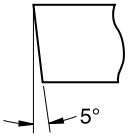
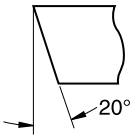
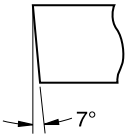
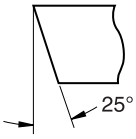
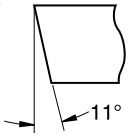
2. Form der Wendeschneidplatte

C 	D 	K/N 
L 	R 	S 
T 	V 	W 

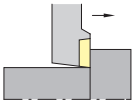
3. Halterform oder Einstellwinkel

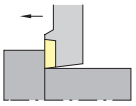
A 	B 	C 	D 	E 
F 	G 	H 	J 	K 
L 	M 	P 	Q 	R 
S 	U 	V 	Y 	

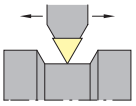
4. Normalfreiwinkel der Wendeschneidplatte

N 	D 
B 	E 
C 	F 
P 	

5. Richtung des Werkzeugs

R 

L 

N 

6. Zusätzliche Informationen

C
tiefe Tasche für Keramik-Wendeschneidplatte

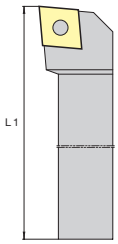
S
Einzeltaschen-Positionierwand

F
gerader Schaft, kein Versatz

Beispiel:

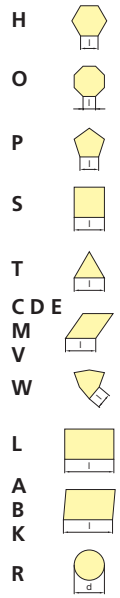
1.	2.		3.	4.	5.	6.
M	**C**	**L**	**N**		**R**	

L1	ISO
32	A
40	B
50	C
60	D
70	E
80	F
90	G
100	H
110	J
125	K
140	L
150	M
160	N
170	P
180	Q
200	R
250	S
300	T
350	U
400	V
450	W
500	Y
Spezial-Länge	X



Schneidkanten-länge L10

H
O
P
S
T
C D E M V
W
L
A B K
R



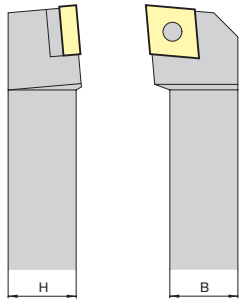
9. Länge des Klemmhalters

10. Größe der Wendeschneidplatte

25	25	M	09		

7./8. Schaftabmessungen

Die 7. und 8. Stelle (zweistellig) kennzeichnen den Halter-Querschnitt. Ergibt sich für die Schaftbreite „B" oder die Schafthöhe „H" eine einstellige Maßzahl, so wird immer eine 0 (Null) vorangestellt.
Beispiel: 8mm = 08



11. Zusätzliche Informationen

KC
Kenclamp
H4
Wedgelock-Spannsystem
M..
MTS-Spannsystem für Keramik- oder PCBN Wende-schneidplatten

12. Wendeschneidplatten-Dicke (optional)

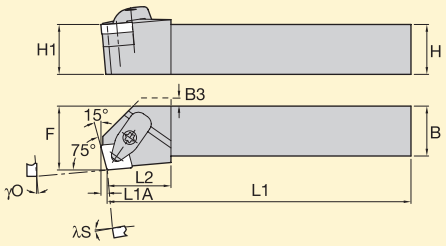
04 – 4,76 mm
06 – 6,35 mm

KENCLAMP Klemmhalter

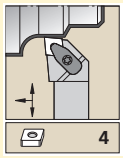
KENLOC Wendeschneidplatten

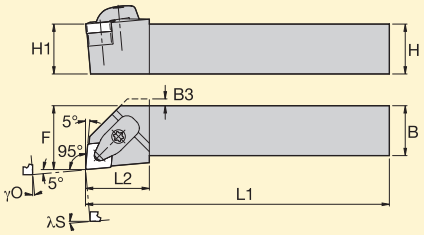
DCKN-KC 75°





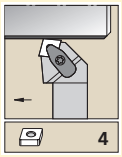
DCLN-KC 95°

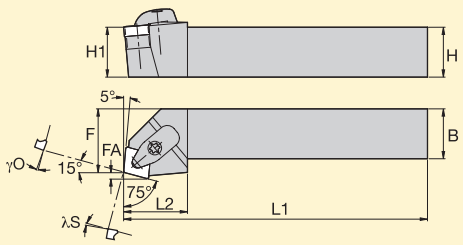




Katalognummer Rechts/Links	H= H1	B	F	L1	L2	FA	L1A	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Torx Plus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus	Spannstift (optional)
DCKN R/L 2020K12KC04	20	20	25,0	125	32,0	-	3,1	6,0	-5,0	-5,0	**CN..120408**	**ICSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM4615IP**
DCKN R/L 2525M12KC04	25	25	32,0	150	32,0	-	3,1	-	-5,0	-5,0	**CN..120408**	**ICSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DCKN R/L 3225P12KC04	32	25	32,0	170	32,0	-	3,1	-	-5,0	-5,0	**CN..120408**	**ICSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DCKN R/L 3232P16KC06	32	32	40,0	170	32,0	-	3,8	-	-5,0	-5,0	**CN..160612**	**ICSN543**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM58L15IP**
DCKN R/L 3232P19KC06	32	32	40,0	170	38,0	-	4,6	-	-5,0	-5,0	**CN..190612**	**ICSN643**	**KMSP625IP**	25 IP	**CM210**	**SSP025016M**	**STCM425IP**	25 IP	**KLM68L25IP**
									λS°	γO°									
DCLN R/L 1616H09KC03	16	16	20,0	100	30,0	-	-	6,0	-5,0	-5,0	**CN..090308**	**ICSN332**	**KMSP315IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM34L9IP**
DCLN R/L 2020K09KC03	20	20	25,0	125	30,0	-	-	2,0	-5,0	-5,0	**CN..090308**	**ICSN332**	**KMSP315IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM34L9IP**
DCLN R/L 2020K12KC04	20	20	25,0	125	32,0	-	-	4,0	-5,0	-5,0	**CN..120408**	**ICSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM4615IP**
DCLN R/L 2525M12KC04	25	25	32,0	150	32,0	-	-	-	-5,0	-5,0	**CN..120408**	**ICSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DCLN R/L 3225P12KC04	32	25	32,0	170	32,0	-	-	-	-5,0	-5,0	**CN..120408**	**ICSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DCLN R/L 2525M16KC06	25	25	32,0	150	33,0	-	-	-	-5,0	-5,0	**CN..160612**	**ICSN543**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM58L15IP**
DCLN R/L 3225P16KC06	32	25	32,0	170	33,0	-	-	-	-5,0	-5,0	**CN..160612**	**ICSN543**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM58L15IP**
DCLN R/L 3232P16KC06	32	32	40,0	170	33,0	-	-	-	-5,0	-5,0	**CN..160612**	**ICSN543**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM58L15IP**
DCLN R/L 3232P19KC06	32	32	40,0	170	40,0	-	-	-	-5,0	-5,0	**CN..190612**	**ICSN643**	**KMSP625IP**	25 IP	**CM210**	**SSP025016M**	**STCM425IP**	25 IP	**KLM68L25IP**
DCLN R/L 4040S19KC06	40	40	50,0	250	40,0	-	-	-	-5,0	-5,0	**CN..190612**	**ICSN643**	**KMSP625IP**	25 IP	**CM210**	**SSP025016M**	**STCM425IP**	25 IP	**KLM68L25IP**
DCLN R/L 4040S25KC09	40	40	50,0	250	51,0	-	-	-	-5,0	-5,0	**CN..250924**	**ICSN846**	**KMSP825IP**	25 IP	**CM236**	**SSP025018M**	**STCM425IP**	25 IP	**KLM81025IP**

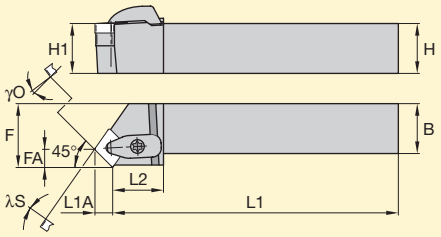
DCRN-KC 75°





DCSN-KC 45°



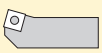


Katalognummer Rechts/Links	H= H1	B	F	L1	L2	FA	L1A	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Torx Plus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus	Spannstift (optional)
DCRN R/L 2020K12KC04	20	20	25,0	125	32,0	3,1	-	-	-5.0	-5.0	**CN..120406**	**ICSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM4615IP**
DCRN R/L 2525M12KC04	25	25	32,0	150	32,0	3,1	-	-	-5.0	-5.0	**CN..120406**	**ICSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DCRN R/L 3225P12KC04	32	25	32,0	170	32,0	3,1	-	-	-5.0	-5.0	**CN..120408**	**ICSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DCRN R/L 3232P16KC06	32	32	40,0	170	38,0	3,8	-	-	-5.0	-5.0	**CN..160612**	**ICSN543**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM58L15IP**
DCRN R/L 3232P19KC06	32	32	40,0	170	38,0	4,6	-	-	-5.0	-5.0	**CN..190612**	**ICSN643**	**KMSP625IP**	25 IP	**CM210**	**SSP025016M**	**STCM425IP**	25 IP	**KLM68L25IP**
									λS°	γO°									
DCSN R/L 2020K12KC04	20	20	25,0	125	35,0	8,5	8,5	-	0.0	-8.0	**CN..120408**	**ICSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM4615IP**
DCSN R/L 2525M12KC04	25	25	32,0	150	35,0	8,5	8,5	-	0.0	-8.0	**CN..120408**	**ICSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**

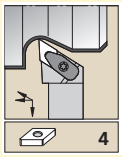
Bestellbeispiel:
Rechts: **DCKNR2020K12KC04**

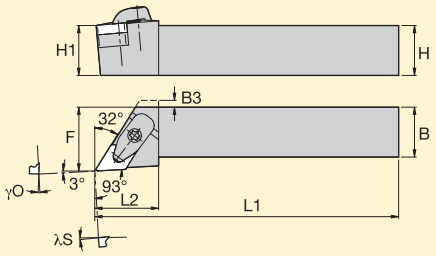


Links: **DCKNL2020K12KC04**

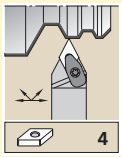


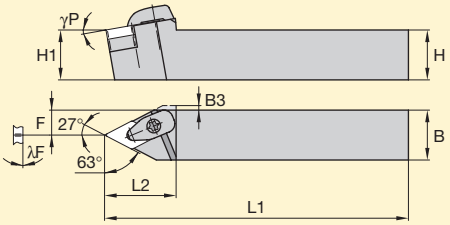
DDJN-KC 93°





DDNN-KC 63°

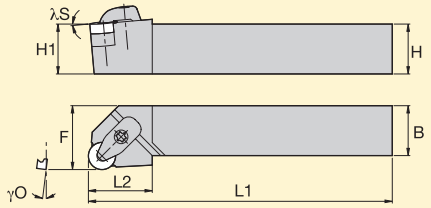




Katalognummer Rechts/Links	H= H1	B	F	L1	L2	FA	L1A	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Torx Plus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus	Spannstift (optional)
DDJN R/L 2020K11KC04	20	20	25,0	125	30,0	-	-	2,0	-5,0	-5,0	**DN..110408**	**IDSN322**	**KMSP315IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM34L9IP**
DDJN R/L 2525M11KC04	25	25	32,0	150	30,0	-	-	-	-5,0	-5,0	**DN..110408**	**IDSN322**	**KMSP315IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM34L9IP**
DDJN R/L 2020K15KC06	20	20	25,0	125	32,0	-	-	4,0	-5,0	-5,0	**DN..150608**	**IDSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DDJN R/L 2525M15KC06	25	25	32,0	150	32,0	-	-	-	-5,0	-5,0	**DN..150608**	**IDSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DDJN R/L 3225P15KC06	32	25	32,0	170	32,0	-	-	-	-5,0	-5,0	**DN..150608**	**IDSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DDJN R/L 3232P15KC06	32	32	40,0	170	32,0	-	-	-	-5,0	-5,0	**DN..150608**	**IDSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
									λF°	γP°									
DDNN R/L 2020K11KC04	20	20	10,0	125	35,0	-	-	2,5	0,0	-10,0	**DN..110408**	**IDSN322**	**KMSP39IP**	9 IP	**CM234**	**SSP025016M**	**STCM119IP**	9 IP	**KLM34L9IP**
DDNN R/L 2525M11KC04	25	25	12,5	150	35,0	-	-	-	0,0	-10,0	**DN..110408**	**IDSN322**	**KMSP39IP**	9 IP	**CM234**	**SSP025016M**	**STCM119IP**	9 IP	**KLM34L9IP**
DDNN R/L 2020K15KC06	20	20	10,0	125	40,0	-	-	2,5	0,0	-10,0	**DN..150608**	**IDSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DDNN R/L 2525M15KC06	25	25	12,5	150	40,0	-	-	-	0,0	-10,0	**DN..150608**	**IDSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DDNN R/L 3225P15KC06	32	25	12,5	170	40,0	-	-	-	0,0	-10,0	**DN..150608**	**IDSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**

DRGN-KC





Katalognummer Rechts/Links	H= H1	B	F	L1	L2	FA	L1A	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Torx Pus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus	Spannstift (optional)
DRGN R/L 2525M12KC04	25	25	32,0	150	32,0	-	-	-	-5,0	-5,0	**RN..120400**	**IRSN44**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DRGN R/L 3225P12KC04	32	25	32,0	170	32,0	-	-	-	-5,0	-5,0	**RN..120400**	**IRSN44**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DRGN R/L 3232P15KC06	32	32	40,0	170	32,0	-	-	-	-5,0	-5,0	**RN..150600**	**IRSN54**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM58L15IP**
DRGN R/L 3232P19KC06	32	32	40,0	170	38,0	-	-	-	-5,0	-5,0	**RN..190600**	**IRSN64**	**KMSP625IP**	25 IP	**CM210**	**SSP025016M**	**STCM425IP**	25 IP	**KLM68L25IP**
DRGN R/L 4040S25KC09	40	40	50,0	250	50,0	-	-	-	-5,0	-5,0	**RN..250900**	**IRSN84**	**KMSP825IP**	25 IP	**CM236**	**SSP025018M**	**STCM425IP**	25 IP	**KLM81025IP**

Bestellbeispiel:
Rechts: **DDJNR2020K11KC04**



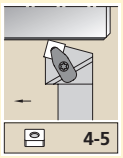
Links: **DDJNL2020K11KC04**

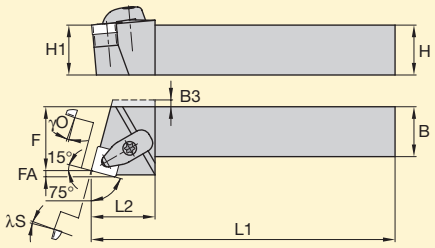


KENCLAMP Klemmhalter

KENLOC Wendeschneidplatten

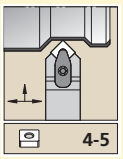
DSBN-KC 75°

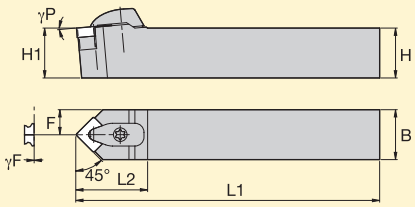




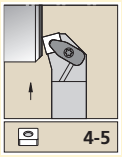
Katalognummer Rechts/Links	H= H1	B	F	L1	L2	FA	L1A	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Torx Plus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus	Spannstift (optional)
DSBN R/L 2020K12KC04	20	20	17,0	125	34,0	3,0	-	5,0	-5,0	-5,0	**SN..120408**	**ISSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM4615IP**
DSBN R/L 2525M12KC04	25	25	22,0	150	32,0	3,0	-	-	-5,0	-5,0	**SN..120408**	**ISSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DSBN R/L 3225P12KC04	32	25	22,0	170	32,0	3,0	-	-	-5,0	-5,0	**SN..120408**	**ISSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DSBN R/L 2525M15KC06	25	25	22,0	150	36,0	3,0	-	-	-5,0	-5,0	**SN..150612**	**ISSN543**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM58L15IP**
DSBN R/L 3232P15KC06	32	32	27,0	170	36,0	5,0	-	-	-5,0	-5,0	**SN..150612**	**ISSN543**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM58L15IP**
DSBN R/L 3232P19KC06	32	32	27,0	170	42,0	5,0	-	-	-5,0	-5,0	**SN..190612**	**ISSN643**	**KMSP625IP**	25 IP	**CM210**	**SSP025016M**	**STCM425IP**	25 IP	**KLM68L25IP**
DSBN R/L 4040S19KC06	40	40	35,0	250	42,0	5,0	-	-	-5,0	-5,0	**SN..190612**	**ISSN643**	**KMSP625IP**	25 IP	**CM210**	**SSP025016M**	**STCM425IP**	25 IP	**KLM68L25IP**
DSBN R/L 4040S25KC09	40	40	50,0	250	50,0	5,9	-	-	-5,0	-5,0	**SN..250924**	**ISSN846**	**KMSP825IP**	25 IP	**CM236**	**SSP025018M**	**STCM425IP**	25 IP	**KLM81025IP**

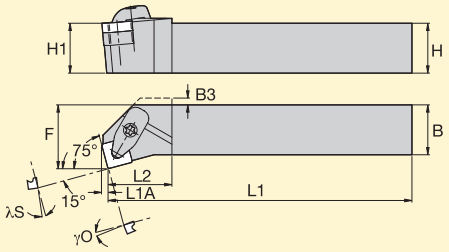
DSDN-KC 45°





DSKN-KC 75°



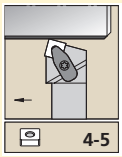


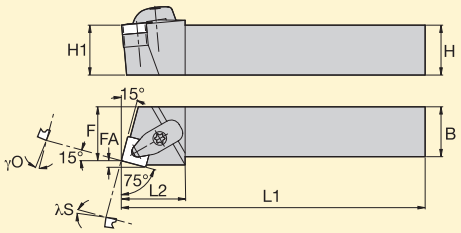
Katalognummer Rechts/Links	H= H1	B	F	L1	L2	FA	L1A	B3	λF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Torx Plus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus	Spannstift (optional)
DSDNN2020K12KC04	20	20	10,0	125	36,0	-	-	-	0,0	-7,0	**SN..120408**	**ISSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM4615IP**
DSDNN2525M12KC04	25	25	12,5	150	36,0	-	-	-	0,0	-7,0	**SN..120408**	**ISSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DSDNN3225P12KC04	32	25	12,0	170	36,0	-	-	-	0,0	-7,0	**SN..120408**	**ISSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DSDNN2525M15KC06	25	25	12,5	150	42,0	-	-	-	0,0	-7,0	**SN..150612**	**ISSN543**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM58L15IP**
DSDNN3232P15KC06	32	32	15,5	170	42,0	-	-	-	0,0	-7,0	**SN..150612**	**ISSN543**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM58L15IP**
DSDNN3232P19KC06	32	32	15,5	170	44,0	-	-	-	0,0	-7,0	**SN..190612**	**ISSN643**	**KMSP625IP**	25 IP	**CM210**	**SSP025016M**	**STCM425IP**	25 IP	**KLM68L25IP**
DSDNN4040S25KC09	40	40	19,5	250	50,0	-	-	-	0,0	-7,0	**SN..250924**	**ISSN846**	**KMSP825IP**	25 IP	**CM236**	**SSP025018M**	**STCM425IP**	25 IP	**KLM81025IP**

Katalognummer Rechts/Links	H= H1	B	F	L1	L2	FA	L1A	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Torx Plus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus	Spannstift (optional)
DSKN R/L 2020K12KC04	20	20	25,0	125	32,0	-	3,1	8,0	-5,0	-5,0	**SN..120408**	**ISSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM4615IP**
DSKN R/L 2525M12KC04	25	25	32,0	150	32,0	-	3,1	4,0	-5,0	-5,0	**SN..120408**	**ISSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DSKN R/L 3225P12KC04	32	25	32,0	170	32,0	-	3,1	-	-5,0	-5,0	**SN..120408**	**ISSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DSKN R/L 3232P15KC06	32	32	40,0	170	32,0	-	3,8	-	-5,0	-5,0	**SN..150612**	**ISSN543**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM58L15IP**
DSKN R/L 3232P19KC06	32	32	40,0	170	38,0	-	4,6	-	-5,0	-5,0	**SN..190612**	**ISSN643**	**KMSP625IP**	25 IP	**CM210**	**SSP025016M**	**STCM425IP**	25 IP	**KLM68L25IP**

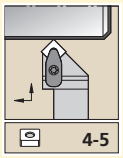
Bestellbeispiel:
Rechts: **DSBNR2020K12KC04** 
Links: **DSBNL2020K12KC04** 

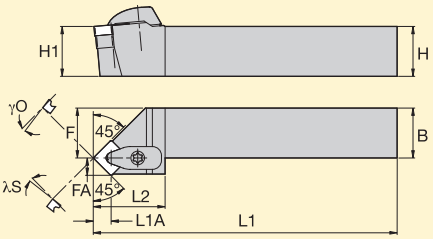
DSRN-KC 75°





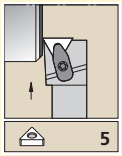
DSSN-KC 45°

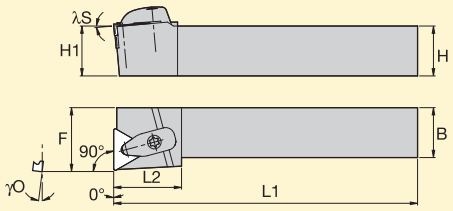




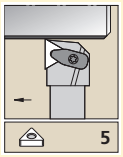
Katalognummer Rechts/Links	H= H1	B	F	L1	L2	FA	L1A	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Torx Plus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus	Spannstift (optional)
DSRN R/L 2020K12KC04	20	20	22,0	125	32,0	3,1	-	-	-5,0	-5,0	**SN..120408**	**ISSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM4615IP**
DSRN R/L 2525M12KC04	25	25	27,0	150	32,0	3,1	-	-	-5,0	-5,0	**SN..120408**	**ISSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DSRN R/L 3225P12KC04	25	32	27,0	170	32,0	3,1	-	-	-5,0	-5,0	**SN..120408**	**ISSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DSRN R/L 3232P15KC06	32	32	35,0	170	38,0	3,8	-	-	-5,0	-5,0	**SN..150612**	**ISSN543**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM58L15IP**
DSRN R/L 3232P19KC06	32	32	35,0	170	42,0	4,6	-	-	-5,0	-5,0	**SN..190612**	**ISSN643**	**KMSP625IP**	25 IP	**CM210**	**SSP025016M**	**STCM425IP**	25 IP	**KLM68L25IP**
DSRN R/L 4040S25KC09	40	40	43,0	250	50,0	5,9	-	-	-5,0	-5,0	**SN..250924**	**ISSN846**	**KMSP825IP**	25 IP	**CM236**	**SSP025018M**	**STCM425IP**	25 IP	**KLM81025IP**
									λS°	γO°									
DSSN R/L 2020K12KC04	20	20	25,0	125	36,0	8,7	8,7	-	0,0	-8,0	**SN..120408**	**ISSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM4615IP**
DSSN R/L 2525M12KC04	25	25	32,0	150	36,0	8,7	8,7	-	0,0	-8,0	**SN..120408**	**ISSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DSSN R/L 3225P12KC04	32	25	32,0	170	35,4	8,7	8,7	-	0,0	-8,0	**SN..120408**	**ISSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DSSN R/L 2525M15KC06	25	25	32,0	150	42,0	10,7	10,7	-	0,0	-8,0	**SN..150612**	**ISSN543**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM58L15IP**
DSSN R/L 3232P15KC06	32	32	40,0	170	40,3	10,7	10,7	-	0,0	-8,0	**SN..150612**	**ISSN543**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM58L15IP**
DSSN R/L 3232P19KC06	32	32	40,0	170	44,0	10,7	10,7	-	0,0	-8,0	**SN..190612**	**ISSN643**	**KMSP625IP**	25 IP	**CM210**	**SSP025016M**	**STCM425IP**	25 IP	**KLM68L25IP**

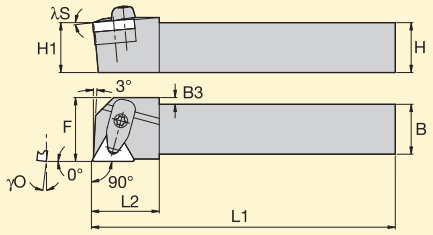
DTFN-KC 90°





DTGN-KC 90°





Katalognummer Rechts/Links	H= H1	B	F	L1	L2	FA	L1A	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Torx Plus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus	Spannstift (optional)
DTFN R/L 2020K16KC04	20	20	25,0	125	32,0	-	-	-	-5,0	-5,0	**TN..160408**	**ITSN323**	**KMSP315IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM34L9IP**
DTFN R/L 2525M16KC04	25	25	32,0	150	32,0	-	-	-	-5,0	-5,0	**TN..160408**	**ITSN323**	**KMSP315IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM34L9IP**
DTFN R/L 3225P16KC04	32	25	32,0	170	32,0	-	-	-	-5,0	-5,0	**TN..160408**	**ITSN323**	**KMSP315IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM34L9IP**
DTFN R/L 2525M22KC04	25	25	32,0	150	34,0	-	-	-	-5,0	-5,0	**TN..220408**	**ITSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DTFN R/L 3225P22KC04	32	25	32,0	170	34,0	-	-	-	-5,0	-5,0	**TN..220408**	**ITSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DTFN R/L 3232P27KC06	32	32	40,0	170	38,0	-	-	-	-5,0	-5,0	**TN..270612**	**ITSN534**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM5815IP**
									λS°	γO°									
DTGN R/L 2020K16KC04	20	20	25,0	125	25,0	-	-	6,5	-5,0	-5,0	**TN..160408**	**ITSN323**	**KMSP315IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM34L9IP**
DTGN R/L 2525M16KC04	25	25	32,0	150	25,0	-	-	-	-5,0	-5,0	**TN..160408**	**ITSN323**	**KMSP315IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM34L9IP**
DTGN R/L 3225P16KC04	32	25	32,0	170	25,0	-	-	-	-5,0	-5,0	**TN..160408**	**ITSN323**	**KMSP315IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM34L9IP**
DTGN R/L 2525M22KC04	25	25	32,0	150	32,0	-	-	3,0	-5,0	-5,0	**TN..220408**	**ITSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DTGN R/L 3225P22KC04	32	25	32,0	170	32,0	-	-	3,0	-5,0	-5,0	**TN..220408**	**ITSN443**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM46L15IP**
DTGN R/L 3232P27KC06	32	32	40,0	170	32,0	-	-	-	-5,0	-5,0	**TN..270612**	**ITSN534**	**KMSP515IP**	15 IP	**CM209**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM5815IP**

Bestellbeispiel:
Rechts: **DSRNR2020K12KC04**



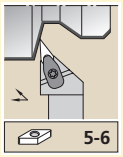
Links: **DSRNL2020K12KC04**

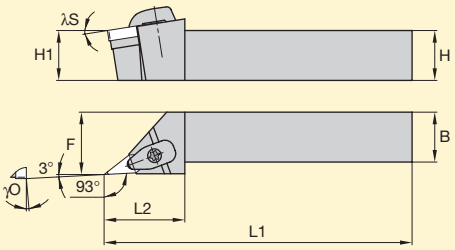


KENCLAMP Klemmhalter

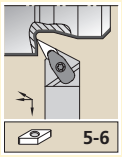
KENLOC Wendeschneidplatten

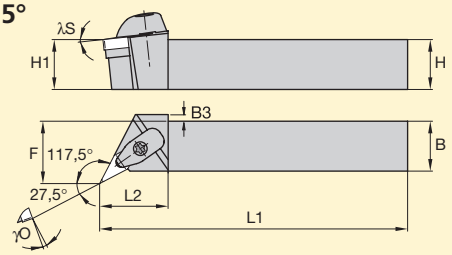
DVJN-KC 93°





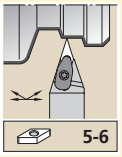
DVON-KC 117,5°

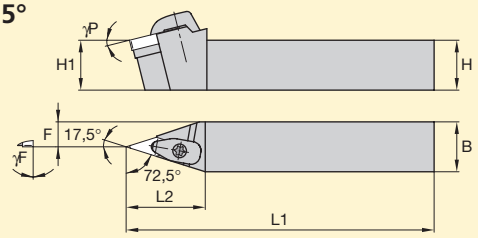




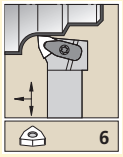
Katalognummer Rechts/Links	H= H1	B	F	L1	L2	FA	L1A	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Torx Plus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus	Spannstift (optional)
DVJN R/L 2020K16KC04	20	20	25,0	125	46,0	-	-	-	-5,0	-9,0	**VN..160408**	**IVSN322**	**KMSP315IP**	15IP	**CM215**	**SSP025016M**	**STCM1115IP**	15IP	**KLM34L9IP**
DVJN R/L 2525M16KC04	25	25	32,0	150	46,0	-	-	-	-5,0	-9,0	**VN..160408**	**IVSN322**	**KMSP315IP**	15IP	**CM215**	**SSP025016M**	**STCM1115IP**	15IP	**KLM34L9IP**
DVJN R/L 3225P16KC04	32	25	32,0	170	46,0	-	-	-	-5,0	-9,0	**VN..160408**	**IVSN322**	**KMSP315IP**	15IP	**CM215**	**SSP025016M**	**STCM1115IP**	15IP	**KLM34L9IP**
DVJN R/L 2525M22KC04	25	25	32,0	150	55,0	-	-	-	-5,0	-9,0	**VN..220408**	**IVSN432**	**KMSP415IP**	15IP	**CM235**	**SSP025016M**	**STCM1115IP**	15IP	**KLM4615IP**
DVJN R/L 3225P22KC04	32	25	32,0	170	55,0	-	-	-	-5,0	-9,0	**VN..220408**	**IVSN432**	**KMSP415IP**	15IP	**CM235**	**SSP025016M**	**STCM1115IP**	15IP	**KLM4615IP**
									λS°	γO°									
DVON R/L 2020K16KC04	20	20	27,0	125	38,0	-	-	5,0	-6,4	-6,4	**VN..160408**	**IVSN322**	**KMSP315IP**	15IP	**CM215**	**SSP025016M**	**STCM1115IP**	15IP	**KLM34L9IP**
DVON R/L 2525M16KC04	25	25	32,0	150	38,0	-	-	-	-6,4	-6,4	**VN..160408**	**IVSN322**	**KMSP315IP**	15IP	**CM215**	**SSP025016M**	**STCM1115IP**	15IP	**KLM34L9IP**
DVON R/L 3225P16KC04	32	25	32,0	170	38,0	-	-	-	-6,4	-6,4	**VN..160408**	**IVSN322**	**KMSP315IP**	15IP	**CM215**	**SSP025016M**	**STCM1115IP**	15IP	**KLM34L9IP**

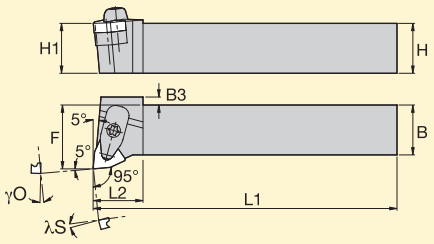
DVVN-KC 72,5°





DWLN-KC 95°





Katalognummer Rechts/Links	H= H1	B	F	L1	L2	FA	L1A	B3	λF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Torx Plus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus	Spannstift (optional)
DVVNN2020K16KC04	20	20	9,5	125	48,0	-	-	-	0,0	-14,0	**VN..160408**	**IVSN322**	**KMSP315IP**	15IP	**CM215**	**SSP025016M**	**STCM1115IP**	15IP	**KLM34L9IP**
DVVNN2525M16KC04	25	25	12,0	150	48,0	-	-	-	0,0	-14,0	**VN..160408**	**IVSN322**	**KMSP315IP**	15IP	**CM215**	**SSP025016M**	**STCM1115IP**	15IP	**KLM34L9IP**
DVVNN3225P16KC04	32	25	12,0	170	48,0	-	-	-	0,0	-14,0	**VN..160408**	**IVSN322**	**KMSP315IP**	15IP	**CM215**	**SSP025016M**	**STCM1115IP**	15IP	**KLM34L9IP**
DVVNN2525M22KC04	25	25	12,0	150	57,0	-	-	-	0,0	-14,0	**VN..220408**	**IVSN432**	**KMSP415IP**	15IP	**CM235**	**SSP025016M**	**STCM1115IP**	15IP	**KLM4615IP**
DVVNN3225P22KC04	32	25	12,0	170	57,0	-	-	-	0,0	-14,0	**VN..220408**	**IVSN432**	**KMSP415IP**	15IP	**CM235**	**SSP025016M**	**STCM1115IP**	15IP	**KLM4615IP**
									λS°	γO°									
DWLN R/L 2020K06KC04	20	20	25,0	125	25,0	-	-	7,5	-5,0	-5,0	**WN..060408**	**IWSN322**	**KMSP315IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM34L9IP**
DWLN R/L 2525M06KC04	25	25	32,0	150	25,0	-	-	-	-5,0	-5,0	**WN..060408**	**IWSN322**	**KMSP315IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM34L9IP**
DWLN R/L 3225P06KC04	32	25	32,0	170	25,0	-	-	-	-5,0	-5,0	**WN..060408**	**IWSN322**	**KMSP315IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM34L9IP**
DWLN R/L 2020K08KC04	20	20	25,0	125	25,0	-	-	9,5	-5,0	-5,0	**WN..080408**	**IWSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM4615IP**
DWLN R/L 2525M08KC04	25	25	32,0	150	25,0	-	-	4,0	-5,0	-5,0	**WN..080408**	**IWSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM4615IP**
DWLN R/L 3225P08KC04	32	25	32,0	170	25,0	-	-	4,0	-5,0	-5,0	**WN..080408**	**IWSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM4615IP**
DWLN R/L 3232P08KC04	32	32	40,0	170	25,0	-	-	-	-5,0	-5,0	**WN..080408**	**IWSN433**	**KMSP415IP**	15 IP	**CM234**	**SSP025016M**	**STCM1115IP**	15 IP	**KLM4615IP**

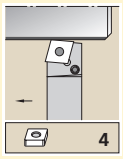
Bestellbeispiel:
Rechts: **DVJNR2020K16KC04**

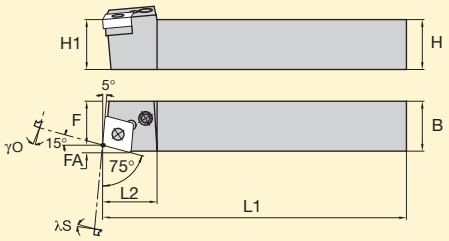


Links: **DVJNL2020K16KC04**

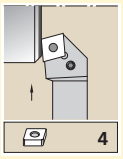


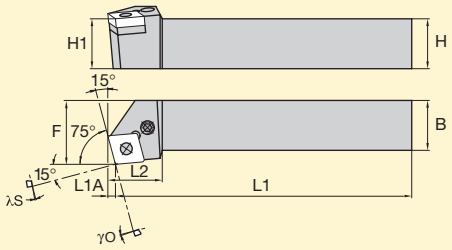
PCBN 75°





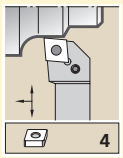
PCKN 75°

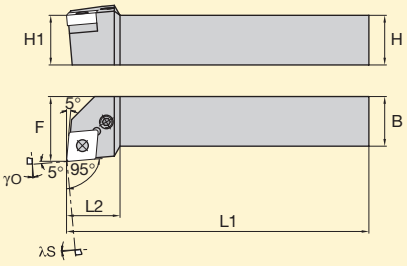




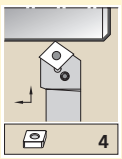
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus
PCBN R/L 2020K12	20	20	17,0	125	26,0	3,1	-	-6,0	-6,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PCBN R/L 2525M12	25	25	22,0	150	26,0	3,1	-	-6,0	-6,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PCBN R/L 3225P12	32	25	22,0	170	28,0	3,1	-	-6,0	-6,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PCBN R/L 2525M16	25	25	22,0	150	26,0	4,2	-	-6,0	-6,0	**CN..160612**	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
PCBN R/L 3225P16	32	25	22,0	170	28,0	4,2	-	-6,0	-6,0	**CN..160612**	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
PCBN R/L 3232P16	32	32	27,0	170	38,0	4,2	-	-6,0	-6,0	**CN..160612**	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
PCBN R/L 3232P19	32	32	27,0	170	40,0	4,6	-	-6,0	-6,0	**CN..190612**	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
PCBN R/L 4040S19	40	40	35,0	250	38,0	4,6	-	-6,0	-6,0	**CN..190612**	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
								λS°	γO°							
PCKN R/L 2020K12	20	20	25,0	125	23,0	-	3,1	-6,0	-6,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PCKN R/L 2525M12	25	25	32,0	150	23,0	-	3,1	-6,0	-6,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PCKN R/L 3225P12	32	25	32,0	170	26,0	-	3,1	-6,0	-6,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PCKN R/L 2525M16	25	25	32,0	150	30,0	-	3,8	-6,0	-6,0	**CN..160612**	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
PCKN R/L 3225P16	32	25	32,0	170	30,0	-	3,8	-6,0	-6,0	**CN..160612**	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
PCKN R/L 3232P19	32	32	40,0	170	40,0	-	4,6	-6,0	-6,0	**CN..190612**	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP

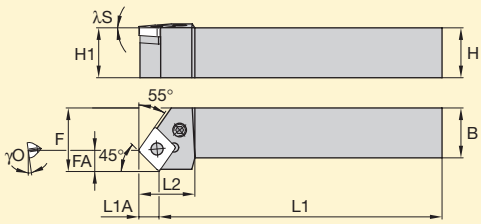
PCLN 95°





PCSN 45°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus
PCLN R/L 1616H12	16	16	20,0	100	26,0	-	-	-6,0	-6,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PCLN R/L 2020K12	20	20	25,0	125	26,0	-	-	-6,0	-6,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PCLN R/L 2525M12	25	25	32,0	150	26,0	-	-	-6,0	-6,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PCLN R/L 3225P12	32	25	32,0	170	26,0	-	-	-6,.0	-6,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PCLN R/L 2525M16	25	25	32,0	150	28,0	-	-	-6,0	-6,0	**CN..160612**	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
PCLN R/L 3225P16	32	25	32,0	170	38,0	-	-	-6,0	-6,0	**CN..160612**	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
PCLN R/L 3232P16	32	32	40,0	170	36,0	-	-	-6,0	-6,0	**CN..160612**	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
PCLN R/L 2525M19	25	25	32,0	150	36,0	-	-	-6,0	-6,0	**CN..190612**	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
PCLN R/L 3225P19	32	25	32,0	170	38,0	-	-	-6,0	-6,0	**CN..190612**	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
PCLN R/L 3232P19	32	32	40,0	170	36,0	-	-	-6,0	-6,0	**CN..190612**	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
PCLN R/L 4040S19	40	40	50,0	250	36,0	-	-	-6,0	-6,0	**CN..190612**	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
								λS°	γO°							
PCSN R/L 2020K12	20	20	25,0	125	26,0	8,5	8,5	0,0	-8,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PCSN R/L 2525M12	25	25	32,0	150	28,0	8,5	8,5	0,0	-8,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PCSN R/L 3225P12	32	25	32,0	170	32,0	8,5	8,5	0,0	-8,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PCSN R/L 3232P19	32	32	40,0	170	40,0	12,7	12,7	0,0	-8,0	**CN..190612**	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP

Bestellbeispiel:
Rechts: **PCBNR2020K12**



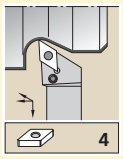
Links: **PCBNL2020K12**

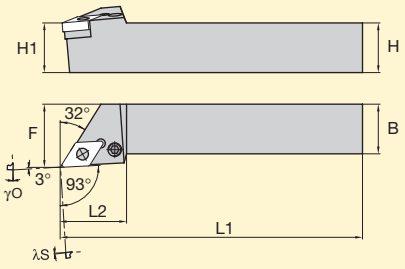


KENLEVER Klemmhalter

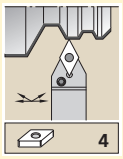
KENLOC Wendeschneidplatten

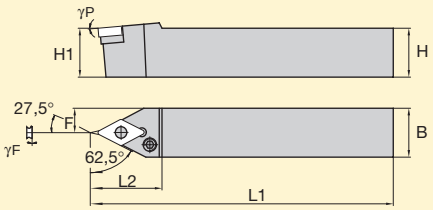
PDJN 93°





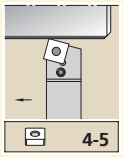
PDNN 62,5°

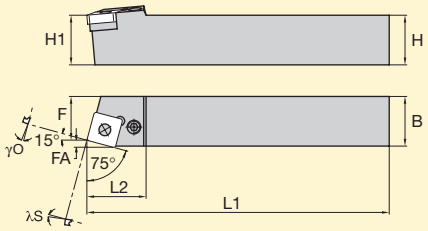




Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus
PDJN R/L 1616H11	16	16	20,0	100	22,0	-	-	-6,0	-6,0	**DN..110408**	**512.060**	**513.060**	**515.018**	**511.060**	**514.118**	10 IP
PDJN R/L 2020K11	20	20	25,0	125	30,0	-	-	-7,0	-6,0	**DN..110408**	**512.060**	**513.060**	**515.018**	**511.060**	**514.118**	10 IP
PDJN R/L 2525M11	25	25	32,0	150	30,0	-	-	-7,0	-6,0	**DN..110408**	**512.060**	**513.060**	**515.018**	**511.060**	**514.118**	10 IP
PDJN R/L 2020K15	20	20	25,0	125	36,0	-	-	-7,0	-6,0	**DN..150608**	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP
PDJN R/L 2525M15	25	25	32,0	150	36,0	-	-	-7,0	-6,0	**DN..150608**	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP
PDJN R/L 3225P15	32	25	32,0	170	38,0	-	-	-7,0	-6,0	**DN..150608**	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP
PDJN R/L 3232P15	32	32	40,0	170	38,0	-	-	-7,0	-6,0	**DN..150608**	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP
PDJN R/L 4025R15	40	25	32,0	200	38,0	-	-	-7,0	-6,0	**DN..150608**	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP
								γF°	γP°							
PDNN R/L 1616H11	16	16	8,0	100	24,0	-	-	-6,0	-6,0	**DN..110408**	**512.060**	**513.060**	**515.018**	**511.060**	**514.118**	10 IP
PDNN R/L 2020K11	20	20	10,0	125	24,0	-	-	-6,0	-6,0	**DN..110408**	**512.060**	**513.060**	**515.018**	**511.060**	**514.118**	10 IP
PDNN R/L 2525M11	25	25	12,5	150	30,0	-	-	-6,0	-6,0	**DN..110408**	**512.060**	**513.060**	**515.018**	**511.060**	**514.118**	10 IP
PDNN R/L 2020K15	20	20	10,0	125	36,0	-	-	-6,0	-6,0	**DN..150608**	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP
PDNN R/L 2525M15	25	25	12,5	150	36,0	-	-	-6,0	-6,0	**DN..150608**	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP
PDNN R/L 4025M15	40	25	12,5	150	36,0	-	-	-6,0	-6,0	**DN..150608**	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP

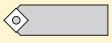
PSBN 75°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus
PSBN R/L 1616H09	16	16	13,0	100	20,0	2,2	-	-6,0	-6,0	**SN..090308**	**512.053**	**513.019**	**515.018**	**511.018**	**514.118**	10 IP
PSBN R/L 2020K12	20	20	17,0	125	26,0	3,1	-	-6,0	-6,0	**SN..120408**	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PSBN R/L 2525M12	25	25	22,0	150	26,0	3,1	-	-6,0	-6,0	**SN..120408**	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PSBN R/L 3225P12	32	25	22,0	170	26,0	3,1	-	-6,0	-6,0	**SN..120408**	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PSBN R/L 2525M15	25	25	22,0	150	36,0	3,8	-	-6,0	-6,0	**SN..150608**	**512.025**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
PSBN R/L 3225P15	32	25	22,0	170	33,0	3,8	-	-6,0	-6,0	**SN..150608**	**512.025**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
PSBN R/L 3232P15	32	32	27,0	170	33,0	3,8	-	-6,0	-6,0	**SN..150608**	**512.025**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
PSBN R/L 3232P19	32	32	27,0	170	40,0	4,6	-	-6,0	-6,0	**SN..190612**	**512.083**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
PSBN R/L 4040S19	40	40	35,0	250	38,0	4,6	-	-6,0	-6,0	**SN..190612**	**512.083**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
PSBN R/L 4040S25	40	40	35,0	250	47,0	5,9	-	-6,0	-6,0	**SN..250724**	**512.092**	**513.038**	**515.028**	**511.038**	**514.138**	30 IP

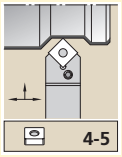
Bestellbeispiel:
Rechts: **PDJNR1616H11**

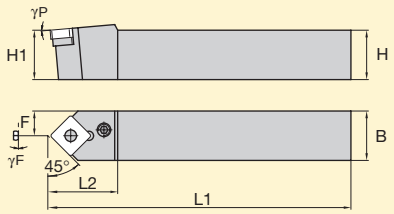


Links: **PDJNL1616H11**

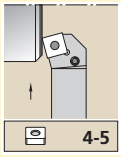


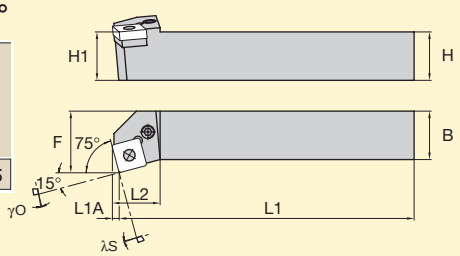
PSDN 45°





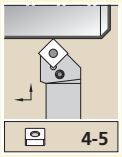
PSKN 75°

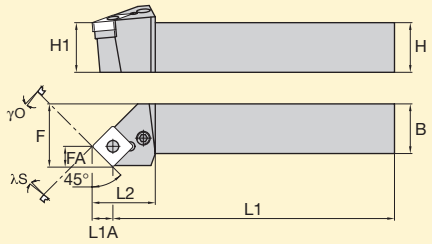




Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	γF°	γP°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus
PSDNN1010E09	10	10	5,0	70	20,0	-	-	0,0	-7,0	**SN..090308**	-	-	-	**511.013**	**514.111**	8IP
PSDNN1212F09	12	12	6,0	80	20,0	-	-	0,0	-7,0	**SN..090308**	-	-	-	**511.013**	**514.111**	8IP
PSDNN1616H09	16	16	8,0	100	20,0	-	-	0,0	-7,0	**SN..090308**	**512.053**	**513.019**	**515.018**	**511.018**	**514.118**	10IP
PSDNN2020K12	20	20	10,0	125	26,0	-	-	0,0	-7,0	**SN..120408**	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15IP
PSDNN2525M12	25	25	12,5	150	26,0	-	-	0,0	-7,0	**SN..120408**	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15IP
PSDNN3225P12	32	25	12,5	170	28,0	-	-	0,0	-7,0	**SN..120408**	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15IP
PSDNN3225P19	32	25	12,5	170	40,0	-	-	0,0	-7,0	**SN..190612**	**512.083**	**513.033**	**515.022**	**511.033**	**514.133**	25IP
PSDNN3232P19	32	32	16,0	170	40,0	-	-	0,0	-7,0	**SN..190612**	**512.083**	**513.033**	**515.022**	**511.033**	**514.133**	25IP
PSDNN4040S25	40	40	20,0	250	47,0	-	-	0,0	-7,0	**SN..250724**	**512.092**	**513.038**	**515.028**	**511.038**	**514.138**	30IP
								λS°	γO°							
PSKN R/L 1616H09	16	16	20,0	100	20,0	-	2,2	-6,0	-6,0	**SN..090308**	**512.053**	**513.019**	**515.018**	**511.018**	**514.118**	10 IP
PSKN R/L 2020K12	20	20	25,0	125	23,0	-	3,1	-6,.0	-6,0	**SN..120408**	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PSKN R/L 2525M12	25	25	32,0	150	23,0	-	3,1	-6,0	-6,0	**SN..120408**	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
PSKN R/L 3232P15	32	32	40,0	170	33,0	-	3,8	-6,0	-6,0	**SN..150608**	**512.025**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
PSKN R/L 3232P19	32	32	40,0	170	37,5	-	4,6	-6,0	-6,0	**SN..190612**	**512.083**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
PSKN R/L 4040S19	40	40	50,0	250	37,5	-	4,6	-6,0	-6,0	**SN..190612**	**512.083**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP

PSSN 45°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus
PSSN R/L 1616H09	16	16	20,0	100	23,0	6,1	6,1	0,0	-8,0	**SN..090308**	**512.053**	**513.019**	**515.018**	**511.018**	**514.118**	10IP
PSSN R/L 2020K09	20	20	25,0	125	26,0	6,1	6,1	0,0	-8,0	**SN..090308**	**512.053**	**513.019**	**515.018**	**511.018**	**514.118**	10IP
PSSN R/L 2020K12	20	20	25,0	125	28,0	8,3	8,3	0,0	-8,0	**SN..120408**	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15IP
PSSN R/L 2525M12	25	25	32,0	150	28,0	8,3	8,3	0,0	-8,0	**SN..120408**	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15IP
PSSN R/L 3225P12	32	25	32,0	170	29,0	8,3	8,3	0,0	-8,0	**SN..120408**	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15IP
PSSN R/L 2525M15	25	25	32,0	150	32,0	10,2	10,2	0,0	-8,0	**SN..150608**	**512.025**	**513.025**	**515.022**	**511.025**	**514.125**	15IP
PSSN R/L 3225P15	32	25	32,0	170	32,0	10,2	10,2	0,0	-8,0	**SN..150608**	**512.025**	**513.025**	**515.022**	**511.025**	**514.125**	15IP
PSSN R/L 3232P15	32	32	40,0	170	32,0	10,2	10,2	0,0	-8,0	**SN..150608**	**512.025**	**513.025**	**515.022**	**511.025**	**514.125**	15IP
PSSN R/L 3232P19	32	32	40,0	170	37,5	12,5	12,5	0,0	-8,0	**SN..190612**	**512.083**	**513.033**	**515.022**	**511.033**	**514.133**	25IP
PSSN R/L 4040S19	40	40	50,0	250	37,5	12,5	12,5	0,0	-8,0	**SN..190612**	**512.083**	**513.033**	**515.022**	**511.033**	**514.133**	25IP

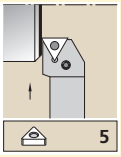
Bestellbeispiel:
PSDNN1010E09

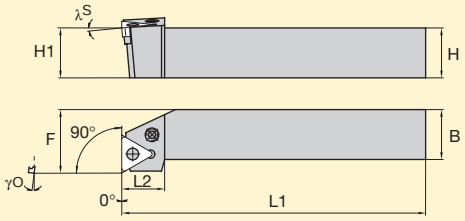


KENLEVER Klemmhalter

KENLOC Wendeschneidplatten

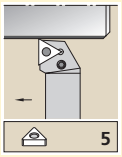
PTFN 90°

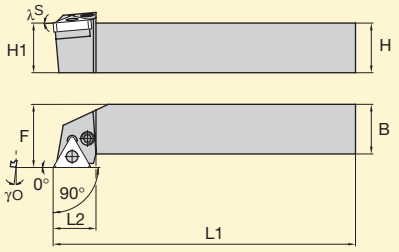




Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus
PTFN R/L 1212F11	12	12	16,0	80	15,0	-	-	-6,0	-6,0	**TN..110308**	-	-	-	**511.011**	**514.111**	8IP
PTFN R/L 1616H16	16	16	20,0	100	20,0	-	-	-6,0	-6,0	**TN..160408**	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10IP
PTFN R/L 2020K16	20	20	25,0	125	20,0	-	-	-6,0	-6,0	**TN..160408**	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10IP
PTFN R/L 2525M16	25	25	32,0	150	20,0	-	-	-6,0	-6,0	**TN..160408**	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10IP
PTFNR3225P16	32	25	32,0	170	20,0	-	-	-6,0	-6,0	**TN..160408**	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10IP
PTFN R/L 2525M22	25	25	32,0	150	26,0	-	-	-6,0	-6,0	**TN..220408**	**512.023**	**513.023**	**515.018**	**511.023**	**514.123**	15IP
PTFN R/L 3225P22	32	25	32,0	170	26,0	-	-	-6,0	-6,0	**TN..220408**	**512.023**	**513.023**	**515.018**	**511.023**	**514.123**	15IP

PTGN 90°

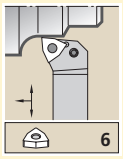


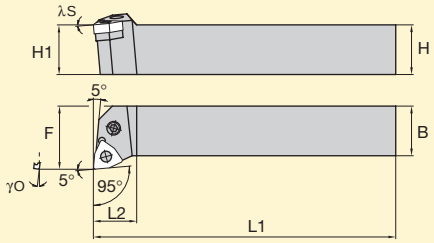


Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus
PTGNR1010E11	10	10	12,0	70	15,0	-	-	-6,0	-6,0	**TN..110308**	-	-	-	**511.011**	**514.111**	8IP
PTGNR1212F11	12	12	16,0	80	15,0	-	-	-6,0	-6,0	**TN..110308**	-	-	-	**511.011**	**514.111**	8IP
PTGNR1616H16	16	16	20,0	100	20,0	-	-	-6,0	-6,0	**TN..160408**	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10IP
PTGNR2020K16	20	20	25,0	125	20,0	-	-	-6,0	-6,0	**TN..160408**	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10IP
PTGNR2525M16	25	25	32,0	150	20,0	-	-	-6,0	-6,0	**TN..160408**	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10IP
PTGNR3225P16	32	25	32,0	170	20,0	-	-	-6,0	-6,0	**TN..160408**	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10IP
PTGNR2525M22	25	25	32,0	150	26,0	-	-	-6,0	-6,0	**TN..220408**	**512.023**	**513.023**	**515.018**	**511.023**	**514.123**	15IP
PTGNR3225P22	32	25	32,0	170	28,0	-	-	-6,0	-6,0	**TN..220408**	**512.023**	**513.023**	**515.018**	**511.023**	**514.123**	15IP
PTGNR3232P22	32	32	40,0	170	26,0	-	-	-6,0	-6,0	**TN..220408**	**512.023**	**513.023**	**515.018**	**511.023**	**514.123**	15IP

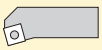
Bestellbeispiel:
Rechts: **PTFNR1212F11** 
Links: **PTFNL1212F11** 

PWLN 95°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus
PWLN R/L 1616H06	16	16	20,0	100	14,0	-	-	-6,0	-6,0	**WN..060404**	**512.134**	**513.018**	**515.018**	**511.018**	**514.118**	10IP
PWLN R/L 2020K06	20	20	25,0	125	14,0	-	-	-6,0	-6,0	**WN..060404**	**512.134**	**513.018**	**515.018**	**511.018**	**514.118**	10IP
PWLN R/L 2020K08	20	20	25,0	125	20,0	-	-	-6,0	-6,0	**WN..080408**	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	15IP
PWLN R/L 2525M08	25	25	32,0	150	26,0	-	-	-6,0	-6,0	**WN..080408**	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	15IP
PWLN R/L 3225P08	32	25	32,0	170	26,0	-	-	-6,0	-6,0	**WN..080408**	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	15IP

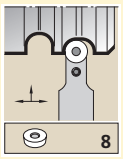
Bestellbeispiel:
Rechts: **PWLNR1616H06** 

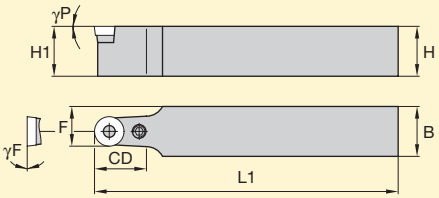
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FIX-PERFECT Klemmhalter

SCREW-ON Wendeschneidplatten

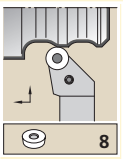
PRCC

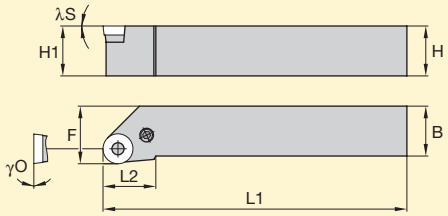




Katalognummer	H = H1	B	F	L1	L2	CD	λF°	γP°	Wende-schneid-platte	Unter-lage	Spann-bolzen	Spann-schraube	Hex (mm)
PRCCN2020K08H1	20	20	14,0	125	-	16,0	0,0	0,0	**RC..0803M0**	**-**	**119.069**	**121.408**	2,0
PRCCN2525M08H1	25	25	17,0	150	-	16,0	0,0	0,0	**RC..0803M0**	**-**	**119.069**	**121.408**	2,0
PRCCN2020K10H1	20	20	15,0	125	-	24,0	0,0	0,0	**RC..1003M0**	**169.325**	**119.069**	**121.408**	2,0
PRCCN2525M10H1	25	25	18,0	150	-	24,0	0,0	0,0	**RC..1003M0**	**169.325**	**119.069**	**121.408**	2,0
PRCCN2525M12H1	25	25	19,0	150	-	24,0	0,0	0,0	**RC..1204M0**	**169.322**	**119.071**	**121.512**	2,5
PRCCN3225P16H1	32	25	21,0	170	-	33,0	0,0	0,0	**RC..1606M0**	**169.327**	**410.081**	**121.616**	3,0
PRCCN3232P20H1	32	32	26,0	170	-	32,0	0,0	0,0	**RC..2006M0**	**169.333**	**119.073**	**121.820**	4,0
PRCCN4040S25H1	40	40	33,0	250	-	78,0	0,0	0,0	**RC..2507M0**	**169.337**	**118.404**	**121.820**	4,0

PRGC

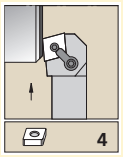


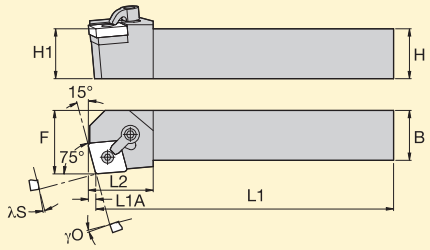


Katalognummer Rechts/Links	H = H1	B	F	L1	L2	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-bolzen	Spann-schraube	Hex (mm)
PRGC R/L 2525M08H1	25	25	29,0	150	26,0	-	0,0	0,0	**RC..0803M0**	**-**	**119.069**	**121.408**	2,0
PRGC R/L 2020K10H1	20	20	25,0	125	26,0	-	0,0	0,0	**RC..1003M0**	**169.325**	**119.069**	**121.408**	2,0
PRGC R/L 2525M10H1	25	25	30,0	150	26,0	-	0,0	0,0	**RC..1003M0**	**169.325**	**119.069**	**121.408**	2,0
PRGC R/L 2525M12H1	25	25	32,0	150	26,0	-	0,0	0,0	**RC..1204M0**	**169.322**	**119.071**	**121.512**	2,5
PRGC R/L 3225P16H1	32	25	32,0	170	36,0	-	0,0	0,0	**RC..1606M0**	**169.327**	**118.205**	**121.616**	3,0
PRGC R/L 3232P20H1	32	32	40,0	170	40,0	-	0,0	0,0	**RC..2006M0**	**169.333**	**119.073**	**121.820**	4,0
PRGC R/L 4040S25H1	40	40	50,0	250	47,0	-	0,0	0,0	**RC..2507M0**	**169.337**	**118.404**	**121.820**	4,0

Bestellbeispiel:
PRCCN2020K08H1

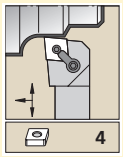
MCKN 75°

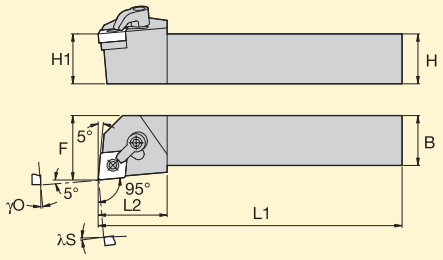




Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
MCKN R/L 2525M12	25	25	32,0	150	32,0	-	3,1	-5,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MCKNR3225P12	32	25	32,0	170	32,0	-	3,1	-5,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MCKN R/L 3225P16	32	25	32,0	170	33,0	-	3,6	-5,0	-5,0	**CN..160612**	**ICSN533**	**KLM58**	3	**CKM21**	**STCM20**	3
MCKN R/L 3232P19	32	32	40,0	170	38,0	-	4,4	-5,0	-5,0	**CN..190612**	**ICSN633**	**KLM68**	4	**CKM12**	**STCM4**	4

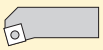
MCLN 95°



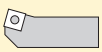


Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
MCLN R/L 1616H09	16	16	20,0	100	25,0	-	-	-5,0	-5,0	**CN..090308**	**-**	**KLM33**	2	**CKM6**	**STCM5**	2,5
MCLN R/L 2020K09	20	20	25,0	125	25,0	-	-	-5,0	-5,0	**CN..090308**	**ICSN332**	**KLM34L**	2	**CKM6**	**STCM5**	2,5
MCLN R/L 2525M09	25	25	32,0	150	25,0	-	-	-5,0	-5,0	**CN..090308**	**ICSN332**	**KLM34L**	2	**CKM6**	**STCM5**	2,5
MCLN R/L 1616H12	16	16	20,0	100	32,0	-	-	-5,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MCLN R/L 2020K12	20	20	25,0	125	32,0	-	-	-5,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MCLN R/L 2525M12	25	25	32,0	150	32,0	-	-	-5,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MCLN R/L 3225P12	32	25	32,0	170	32,0	-	-	-5,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MCLN R/L 2525M16	25	25	32,0	150	33,0	-	-	-5,0	-5,0	**CN..160612**	**ICSN533**	**KLM58**	3	**CKM21**	**STCM20**	3
MCLN R/L 3225P16	32	25	32,0	170	33,0	-	-	-5,0	-5,0	**CN..160612**	**ICSN533**	**KLM58**	3	**CKM21**	**STCM20**	3
MCLN R/L 2525M19	25	25	32,0	150	38,0	-	-	-5,0	-5,0	**CN..190612**	**ICSN633**	**KLM68**	4	**CKM12**	**STCM4**	4
MCLN R/L 3225P19	32	25	32,0	170	38,0	-	-	-5,0	-5,0	**CN..190612**	**ICSN633**	**KLM68**	4	**CKM12**	**STCM4**	4
MCLN R/L 3232P19	32	32	40,0	170	38,0	-	-	-5,0	-5,0	**CN..190612**	**ICSN633**	**KLM68**	4	**CKM12**	**STCM4**	4
MCLN R/L 4040R19	40	40	50,0	200	38,0	-	-	-5,0	-5,0	**CN..190612**	**ICSN633**	**KLM68**	4	**CKM12**	**STCM4**	4

Bestellbeispiel:
Rechts: **MCKNR2525M12**



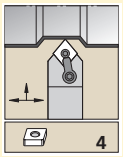
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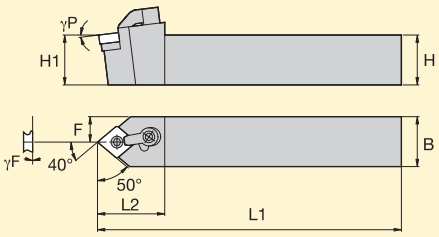


KENLOC Klemmhalter

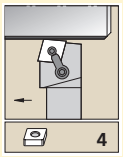
KENLOC Wendeschneidplatten

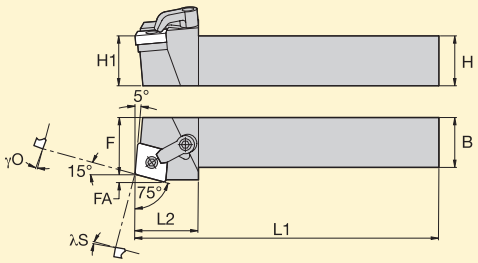
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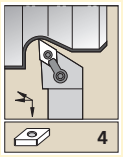


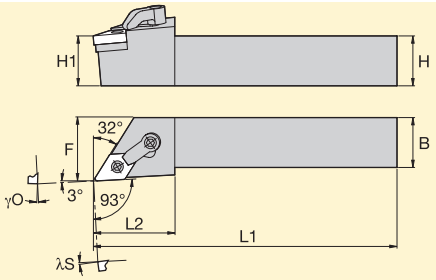


Katalognummer	H = H1	B	F	L1	L2	FA	L1A	γF°	γP°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
MCMNN2020K12	20	20	10,0	125	32,0	-	-	0,0	-7,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MCMNN2525M12	25	25	12,0	150	32,0	-	-	0,0	-7,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MCMNN3225P16	32	25	12,0	170	40,0	-	-	0,0	-7,0	**CN..160612**	**ICSN533**	**KLM58**	3	**CKM21**	**STCM20**	3
MCMNN4040R19	40	40	20,0	200	42,0	-	-	0,0	-7,0	**CN..190612**	**ICSN633**	**KLM68**	4	**CKM12**	**STCM4**	4

Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
MCRN R/L 2020K12	20	20	25,0	125	32,0	3,3	-	-5,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MCRN R/L 2525M12	25	25	32,0	150	32,0	3,3	-	-5,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MCRN R/L 3225P12	32	25	32,0	170	32,0	3,3	-	-5,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MCRN R/L 3232P16	32	32	32,0	170	33,0	4,2	-	-5,0	-5,0	**CN..160612**	**ICSN533**	**KLM58**	3	**CKM21**	**STCM20**	3
MCRN R/L 3232P19	32	32	40,0	170	38,0	4,6	-	-5,0	-5,0	**CN..190612**	**ICSN633**	**KLM68**	4	**CKM12**	**STCM4**	4

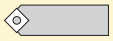
MDJN 93°



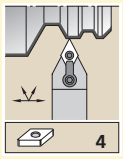


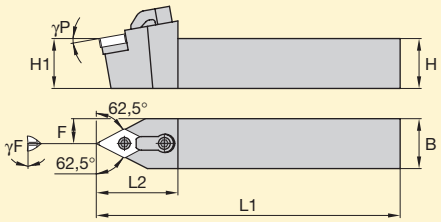
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
MDJN R/L 1616H11	16	16	20,0	100	32,0	-	-	-5,0	-5,0	**DN..110408**	**IDSN322**	**KLM34L**	2	**CKM7**	**STCM5**	2,5
MDJN R/L 2020K11	20	20	25,0	125	32,0	-	-	-5,0	-5,0	**DN..110408**	**IDSN322**	**KLM34L**	2	**CKM7**	**STCM5**	2,5
MDJN R/L 2525M11	25	25	32,0	150	32,0	-	-	-5,0	-5,0	**DN..110408**	**IDSN322**	**KLM34L**	2	**CKM7**	**STCM5**	2,5
MDJN R/L 2020K15	20	20	25,0	125	36,0	-	-	-5,0	-5,0	**DN..150612**	**IDSN432**	**KLM46L**	2,5	**CKM22**	**STCM20**	3
MDJN R/L 2525M15	25	25	32,0	150	36,0	-	-	-5,0	-5,0	**DN..150612**	**IDSN432**	**KLM46L**	2,5	**CKM22**	**STCM20**	3
MDJN R/L 3225P15	32	25	32,0	170	36,0	-	-	-5,0	-5,0	**DN..150612**	**IDSN432**	**KLM46L**	2,5	**CKM22**	**STCM20**	3

Bestellbeispiel:
MCMNN2020K12

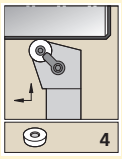


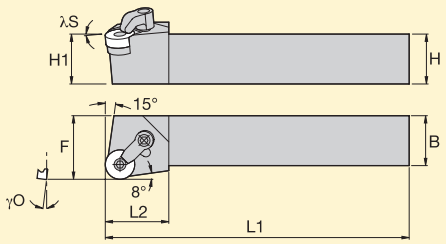
MDNN 62,5°





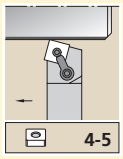
MRGN

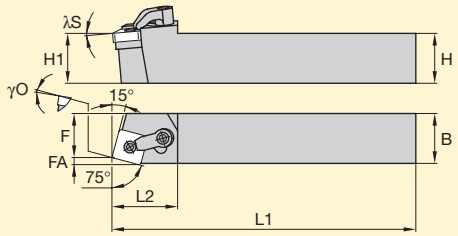




Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	γF°	γP°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
MDNN R/L 2525M15	25	25	12,5	150	41,0	-	-	0,0	-10,0	**DN..150612**	**IDSN432**	**KLM46L**	2,5	**CKM22**	**STCM20**	3
MDNN R/L 3225P15	32	25	12,5	170	41,0	-	-	0,0	-10,0	**DN..150612**	**IDSN432**	**KLM46L**	2,5	**CKM22**	**STCM20**	3
								λS°	γO°							
MRGN R/L 2525M12	25	25	32,0	150	32,0	-	-	-5,0	-5,0	**RN..120400**	**IRSN43**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MRGN R/L 3225P12	32	25	32,0	170	32,0	-	-	-5,0	-5,0	**RN..120400**	**IRSN43**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MRGN R/L 3232P19	32	32	40,0	170	38,0	-	-	-5,0	-5,0	**RN..190600**	**IRSN63**	**KLM68**	4	**CKM12**	**STCM4**	4

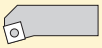
MSBN 75°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-ele-ment	Schraube für Spann-element	Hex (mm)
MSBN R/L 2020K12	20	20	17,0	125	32,0	3,1	-	-5,0	-5,0	**SN..120408**	**ISSN433**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MSBN R/L 2525M12	25	25	22,0	150	32,0	3,1	-	-5,0	-5,0	**SN..120408**	**ISSN433**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MSBN R/L 3225P12	32	25	22,0	170	32,0	3,1	-	-5,0	-5,0	**SN..120408**	**ISSN433**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MSBN R/L 2525M15	25	25	22,0	150	35,0	3,8	-	-5,0	-5,0	**SN..150612**	**ISSN533**	**KLM58**	3	**CKM21**	**STCM20**	3
MSBN R/L 3232P15	32	32	27,0	170	35,0	3,8	-	-5,0	-5,0	**SN..150612**	**ISSN533**	**KLM58**	3	**CKM21**	**STCM20**	3
MSBN R/L 3232P19	32	32	27,0	170	40,0	4,6	-	-5,0	-5,0	**SN..190612**	**ISSN633**	**KLM68**	4	**CKM12**	**STCM4**	4
MSBN R/L 4040R19	40	40	35,0	200	40,0	4,6	-	-5,0	-5,0	**SN..190612**	**ISSN633**	**KLM68**	4	**CKM12**	**STCM4**	4

Bestellbeispiel:
Rechts: **MDNNR2525M15**



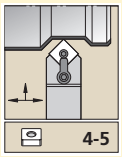
Links: **MDNNL2525M15**

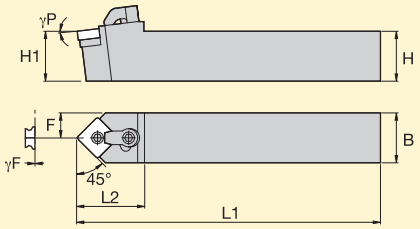


KENLOC Klemmhalter

KENLOC Wendeschneidplatten

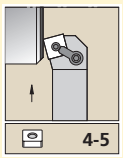
MSDN 45°

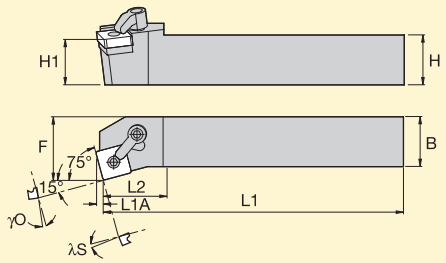




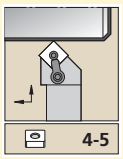
Katalognummer	H = H1	B	F	L1	L2	FA	L1A	λF°	γP°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
MSDNN1616H09	16	16	8,0	100	28,0	-	-	0,0	-7,0	**SN..090308**	**ISSN332**	**KLM34L**	2	**CKM19**	**STCM9**	2,5
MSDNN2020K12	20	20	10,0	125	32,0	-	-	0,0	-7,0	**SN..120408**	**ISSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MSDNN2525M12	25	25	12,5	150	32,0	-	-	0,0	-7,0	**SN..120408**	**ISSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MSDNN3225P12	32	25	12,5	170	32,0	-	-	0,0	-7,0	**SN..120408**	**ISSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MSDNN2525M15	25	25	12,5	150	35,0	-	-	0,0	-7,0	**SN..150612**	**ISSN533**	**KLM58**	3	**CKM21**	**STCM20**	3
MSDNN3232P19	32	32	16,0	170	42,0	-	-	0,0	-7,0	**SN..190612**	**ISSN633**	**KLM68**	4	**CKM12**	**STCM4**	4

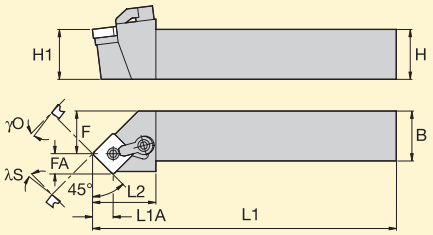
MSKN 75°





MSSN 45°



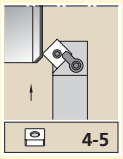


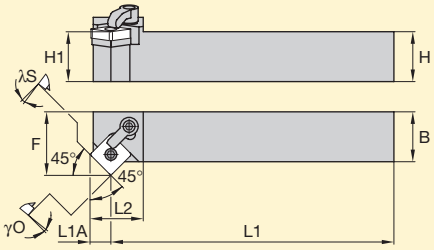
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
MSKN R/L 2020K12	20	20	25,0	125	32,0	-	3,1	-5,0	-5,0	**SN..120408**	**ISSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MSKN R/L 2525M12	25	25	32,0	150	32,0	-	3,1	-5,0	-5,0	**SN..120408**	**ISSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MSKN R/L 3225P12	32	25	32,0	170	32,0	-	3,1	-5,0	-5,0	**SN..120408**	**ISSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MSKN R/L 2525M15	25	25	32,0	150	35,0	-	3,7	-5,0	-5,0	**SN..150612**	**ISSN433**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MSKN R/L 3232P15	32	32	40,0	170	35,0	-	3,7	-5,0	-5,0	**SN..150612**	**SKSN566K**	**KLM58**	3	**CKM21**	**STCM20**	3
MSKN R/L 3232P19	32	32	40,0	170	40,0	-	4,6	-5,0	-5,0	**SN..190612**	**ISSN633**	**KLM68**	4	**CKM12**	**STCM4**	4

								λS°	γO°							
MSSN R/L 2020K12	20	20	25,0	125	32,0	8,3	8,3	0,0	-8,0	**SN..120408**	**ISSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MSSN R/L 2525M12	25	25	32,0	150	32,0	8,3	8,3	0,0	-8,0	**SN..120408**	**ISSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
MSSN R/L 3232P19	32	32	40,0	170	40,0	12,5	12,5	0,0	-8,0	**SN..190612**	**ISSN633**	**KLM68**	4	**CKM12**	**STCM4**	4
MSSN R/L 4040R19	40	40	50,0	200	40,0	12,5	12,5	0,0	-8,0	**SN..190612**	**ISSN633**	**KLM68**	4	**CKM12**	**STCM4**	4

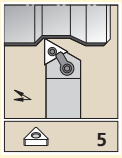
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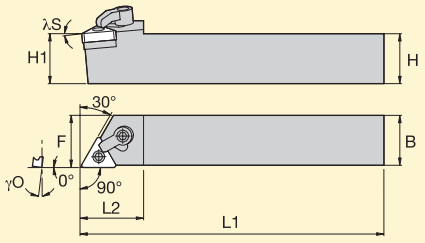
MSZN 45°





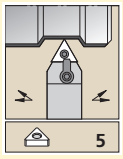
MTAN-S 90°

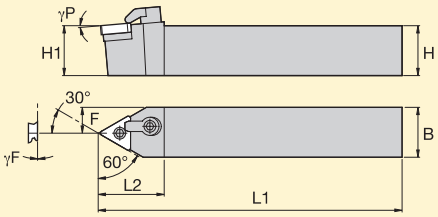




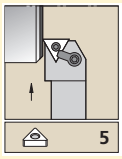
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
MSZN R/L 2525M12	25	25	32,0	150	25,0	-	8,5	-5,5	-8,4	**SN..120408**	**ISSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3
								λS°	γO°							
MTAN R/L S2020K16	20	20	20,5	125	32,0	-	-	-5,0	-5,0	**TN..160408**	**ITSN322**	**KLM34L**	2	**CKM21**	**STCM20**	3
MTAN R/L S2525M16	25	25	25,5	150	32,0	-	-	-5,0	-5,0	**TN..160408**	**ITSN322**	**KLM34L**	2	**CKM21**	**STCM20**	3
MTAN R/L S2525M22	25	25	25,5	150	32,0	-	-	-5,0	-5,0	**TN..220408**	**ITSN433**	**KLM46**	2,5	**CKM9**	**STCM4**	4

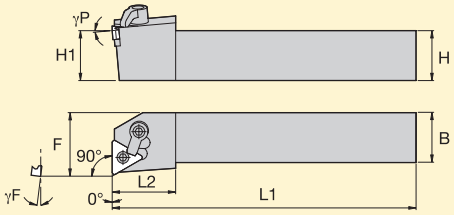
MTEN-S 60°





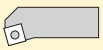
MTFN 90°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	γF°	γP°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
MTENNS2020K16	20	20	10,0	125	32,0	-	-	0,0	-10,0	**TN..160408**	**ITSN322**	**KLM34L**	2	**CKM21**	**STCM20**	3
MTENNS2525M16	25	25	12,0	150	32,0	-	-	0,0	-10,0	**TN..160408**	**ITSN322**	**KLM34L**	2	**CKM21**	**STCM20**	3
MTENNS2525M22	25	25	12,5	150	35,0	-	-	0,0	-10,0	**TN..220408**	**ITSN433**	**KLM46**	2,5	**CKM9**	**STCM4**	4
MTENNS3225P22	32	25	12,5	170	35,0	-	-	0,0	-10,0	**TN..220408**	**ITSN433**	**KLM46**	2,5	**CKM9**	**STCM4**	4
								γF°	γP°							
MTFN R/L 2020K16	20	20	25,0	125	32,0	-	-	-5,0	-5,0	**TN..160408**	**ITSN322**	**KLM34L**	2	**CKM20**	**STCM11**	3
MTFN R/L 2525M16	25	25	32,0	150	32,0	-	-	-5,0	-5,0	**TN..160408**	**ITSN322**	**KLM34L**	2	**CKM20**	**STCM11**	3
MTFN R/L 2525M22	25	25	32,0	150	32,0	-	-	-5,0	-5,0	**TN..220408**	**ITSN433**	**KLM46**	2,5	**CKM9**	**STCM4**	4

Bestellbeispiel:
Rechts: **MSZNR2525M12**



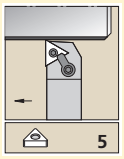
Links: **MSZNL2525M12**

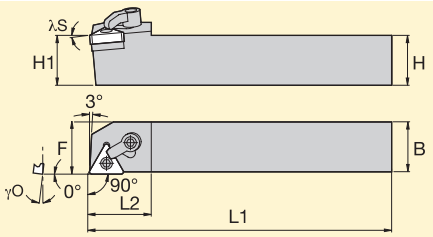


KENLOC Klemmhalter

KENLOC Wendeschneidplatten

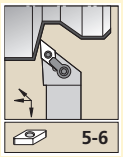
MTGN 90°

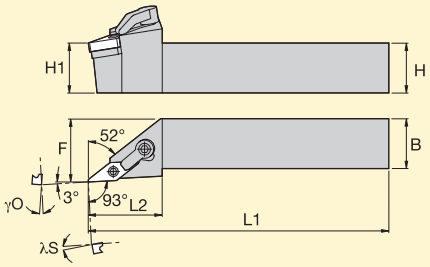




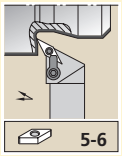
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
MTGN R/L 1616H16	16	16	20,0	100	32,0	-	-	-5,0	-5,0	**TN..160408**	**ITSN322**	**KLM34L**	2	**CKM20**	**STCM11**	3
MTGN R/L 2020K16	20	20	25,0	125	32,0	-	-	-5,0	-5,0	**TN..160408**	**ITSN322**	**KLM34L**	2	**CKM21**	**STCM20**	3
MTGN R/L 2525M16	25	25	32,0	150	32,0	-	-	-5,0	-5,0	**TN..160408**	**ITSN322**	**KLM34L**	2	**CKM21**	**STCM20**	3
MTGN R/L 2525M22	25	25	32,0	150	32,0	-	-	-5,0	-5,0	**TN..220408**	**ITSN433**	**KLM46**	2,5	**CKM9**	**STCM4**	4
MTGN R/L 3225P22	32	25	32,0	170	32,0	-	-	-5,0	-5,0	**TN..220408**	**ITSN433**	**KLM46**	2,5	**CKM9**	**STCM4**	4
MTGN R/L 3232P22	32	32	40,0	170	32,0	-	-	-5,0	-5,0	**TN..220408**	**ITSN433**	**KLM46**	2,5	**CKM9**	**STCM4**	4

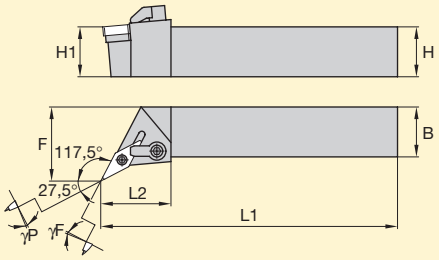
MVJN 93°





MVON 117,5°

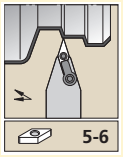


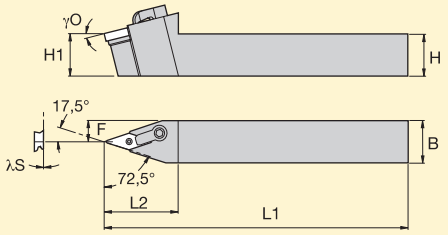


Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
MVJN R/L 2020K16	20	20	25,0	125	37,0	-	-	-9,0	-5,0	**VN..160408**	**IVSN322**	**KLM34L**	2	**CKM31**	**STCM20**	3
MVJN R/L 2525M16	25	25	32,0	150	37,0	-	-	-9,0	-5,0	**VN..160408**	**IVSN322**	**KLM34L**	2	**CKM31**	**STCM20**	3
MVJN R/L 3225P16	32	25	32,0	170	37,0	-	-	-9,0	-5,0	**VN..160408**	**IVSN322**	**KLM34L**	2	**CKM31**	**STCM20**	3
MVJN R/L 3225P22	32	25	32,0	170	50,0	-	-	-9,0	-5,0	**VN..220408**	**IVSN432**	**KLM46**	2,5	**CKM26**	**STCM4**	4
								γF°	γP°							
MVON R/L 2525M16	25	25	32,0	150	30,0	-	-	6,4	-6,4	**VN..160408**	**IVSN322**	**KLM34L**	2	**CKM6**	**STCM5**	2,5

Bestellbeispiel:
Rechts: **MTGNR1616H16** 
Links: **MTGNL1616H16** 

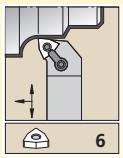
MVVN 72,5°

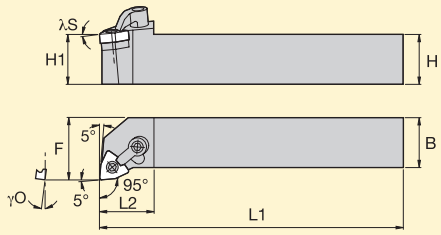




Katalognummer	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
MVVNN2020K16	20	20	10,0	125	42,0	-	-	0,0	-14,0	**VN..160408**	**IVSN322**	**KLM34L**	2	**CKM31**	**STCM20**	3
MVVNN2525M16	25	25	12,5	150	42,0	-	-	0,0	-14,0	**VN..160408**	**IVSN322**	**KLM34L**	2	**CKM31**	**STCM20**	3
MVVNN3225P16	32	25	12,5	170	42,0	-	-	0,0	-14,0	**VN..160408**	**IVSN322**	**KLM34L**	2	**CKM31**	**STCM20**	3
MVVNN2525M22	25	25	12,5	150	55,0	-	-	0,0	-14,0	**VN..220408**	**IVSN432**	**KLM46**	2,5	**CKM26**	**STCM4**	4

MWLN 95°





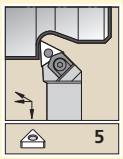
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
MWLN R/L 1616H06	16	16	20,0	100	25,0	-	-	-5,0	-5,0	**WN..060308**	**IWSN322**	**KLM34L**	2	**CKM6**	**STCM5**	2,5
MWLN R/L 2020K06	20	20	25,0	125	25,0	-	-	-5,0	-5,0	**WN..060308**	**IWSN322**	**KLM34L**	2	**CKM6**	**STCM5**	2,5
MWLN R/L 2525M06	25	25	32,0	150	25,0	-	-	-5,0	-5,0	**WN..060308**	**IWSN322**	**KLM34L**	2	**CKM6**	**STCM5**	2,5

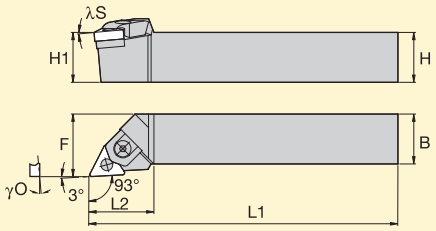
Bestellbeispiel:
MVVNN2020K16

WEDGELOCK Klemmhalter

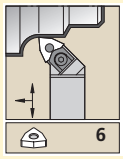
KENLOC Wendeschneidplatten

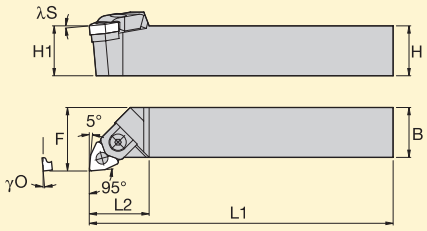
MTJN 93°





MWLN 95°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Gewinde-stift	Hex (mm) or Torx	Spann-finger-satz	Hex (mm)
MTJN R/L 2020K16H4	20	20	25,0	125	32,0	-6,0	-6,0	**TN..160408**	**512.125**	**513.125**	**192.159**	3	**551.125**	3
MTJN R/L 2525M16H4	25	25	32,0	150	32,0	-6,0	-6,0	**TN..160408**	**512.125**	**513.125**	**192.159**	3	**551.125**	3
MTJN R/L 3225P16H4	32	25	32,0	170	32,0	-6,0	-6,0	**TN..160408**	**512.125**	**513.125**	**192.159**	3	**551.125**	3
MTJN R/L 2525M22H4	25	25	32,0	150	36,0	-6,0	-6,0	**TN..220408**	**512.126**	**513.126**	**192.159**	3	**551.126**	3
MTJNR3225P22H4	32	25	32,0	170	36,0	-6,0	-6,0	**TN..220408**	**512.126**	**513.126**	**192.159**	3	**551.126**	3
						λS°	γO°							
MWLN R/L 2020K08H4	20	20	25,0	125	30,0	-6,0	-6,0	**WN..080408**	**512.131**	**513.132**	**192.636**	T15	**551.131**	3
MWLN R/L 2525M08H4	25	25	32,0	150	30,0	-6,0	-6,0	**WN..080408**	**512.131**	**513.132**	**192.636**	T15	**551.131**	3
MWLN R/L 3225P08H4	32	25	32,0	170	30,0	-6,0	-6,0	**WN..080408**	**512.131**	**513.132**	**192.636**	T15	**551.131**	3

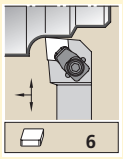
Bestellbeispiel:
Rechts: **MTJNR2020K16H4**



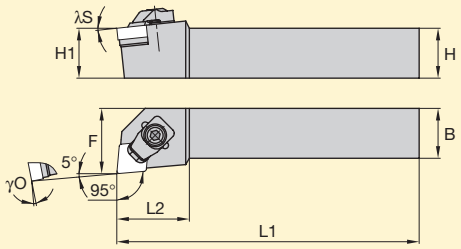
Links: **MTJNL2020K16H4**



CCLN 95°



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

V.CLN R/L 2525M12
V.CLN R/L 3225P12
V.CLN R/L 3225P16

MX

Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-finger - satz	Hex (mm)
CCLN R/L 2525M12-MX7	25	25	32,0	150	32,0	-	-	-6,0	-6,0	**CN.X120708**	**552.221**	**554.252**	2,5	**551.316**	4
CCLN R/L 3225P12-MX7	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**CN.X120708**	**552.221**	**554.252**	2,5	**551.316**	4
CCLN R/L 3225P16-MX7	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**CN.X160708**	**552.223**	**554.253**	3,0	**551.332**	3

MN

										Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
								λS°	γO°							
CCLN R/L 2525M12-MN4	25	25	32,0	150	32,0	-	-	-6,0	-6,0	**CN.N120408**	**552.220**	**554.252**	2,5	**557.111**	**551.255**	4
CCLN R/L 3225P12-MN4	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**CN.N120408**	**552.220**	**554.252**	2,5	**557.111**	**551.255**	4
CCLN R/L 2525M12-MN7	25	25	32,0	150	32,0	-	-	-6,0	-6,0	**CN.N120708**	**552.221**	**554.252**	2,5	**557.111**	**551.255**	4
CCLN R/L 3225P12-MN7	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**CN.N120708**	**552.221**	**554.252**	2,5	**557.111**	**551.255**	4
CCLN R/L 3225P16-MN4	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**CN.N160408**	**552.222**	**554.253**	3,0	**557.111**	**551.255**	3
CCLN R/L 3225P16-MN7	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**CN.N160708**	**552.223**	**554.253**	3,0	**557.111**	**551.255**	3

MF

										Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Span-former	Spann-finger - satz	Hex (mm)
								λS°	γO°							
CCLN R/L 2525M12-MF4	25	25	32,0	150	32,0	-	-	-6,0	-6,0	**CN.N120408**	**552.220**	**554.252**	2,5	**557.125**	**551.252**	4
CCLN R/L 3225P12-MF4	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**CN.N120408**	**552.220**	**554.252**	2,5	**557.125**	**551.252**	4
CCLN R/L 2525M12-MF7	25	25	32,0	150	32,0	-	-	-6,0	-6,0	**CN.N120708**	**552.221**	**554.252**	2,5	**557.125**	**551.252**	4
CCLN R/L 3225P12-MF7	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**CN.N120708**	**552.221**	**554.252**	2,5	**557.125**	**551.252**	4
CCLN R 3225P16-MF4	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**CN.N160408**	**552.222**	**554.253**	3,0	**557.120**	**551.256**	3
CCLN R/L 3225P16-MF7	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**CN.N160708**	**552.223**	**554.253**	3,0	**557.120**	**551.256**	3

MA

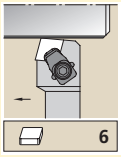
										Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
								λS°	γO°				
PCLN R/L 2525M12-MA4	25	25	32,0	150	32,0	-	-	-6,0	-6,0	**CN.A120408**	**552.220**	**554.016**	2,5
PCLN R/L 3225P12-MA4	32	25	32,0	170	32,0	-	-	-6,.0	-6,0	**CN.A120408**	**552.220**	**554.016**	2,5
PCLN R/L 3225P16-MA6	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**CN.A160608**	**552.242**	**554.017**	3,0

Bestellbeispiel:
Rechts: **CCLNR2525M12-MX7** 
Links: **CCLNL2525M12-MX7** 

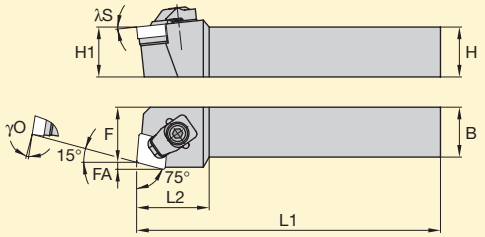
MTS Klemmhalter

-MX, -MN & -MF für KENDEX negative Wendeschneidplatten und -MA für KENLOC Wendeschneidplatten

CCRN 75°



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

V.CRN R/L 2525M12
V.CRN R/L 3225P12
V.CRN R/L 3225P16

MX

Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)		Spann-finger - satz	Hex (mm)
CCRN R/L 3225P16-MX7	32	25	27,0	170	35,0	4,2	-	-6,0	-6,0	**CN.X160708**	**552.223**	**554.253**	3,0		**551.316**	3

MN

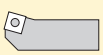
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
CCRN R/L 2525M12-MN4	25	25	27,0	150	35,0	3,1	-	-6,0	-6,0	**CN.N120408**	**552.220**	**554.252**	2,5	**557.111**	**551.255**	4
CCRN R/L 3225P12-MN4	32	25	27,0	170	35,0	3,1	-	-6,0	-6,0	**CN.N120408**	**552.220**	**554.252**	2,5	**557.111**	**551.255**	4
CCRN R/L 2525M12-MN7	25	25	27,0	150	35,0	3,1	-	-6,0	-6,0	**CN.N120708**	**552.221**	**554.252**	2,5	**557.111**	**551.255**	4
CCRN R/L 3225P12-MN7	32	25	27,0	170	35,0	3,1	-	-6,0	-6,0	**CN.N120708**	**552.221**	**554.252**	2,5	**557.111**	**551.255**	4
CCRN R/L 3225P16-MN4	32	25	27,0	170	35,0	4,2	-	-6,0	-6,0	**CN.N160408**	**552.222**	**554.253**	3,0	**557.111**	**551.255**	3
CCRN R/L 3225P16-MN7	32	25	27,0	170	35,0	4,2	-	-6,0	-6,0	**CN.N160708**	**552.223**	**554.253**	3,0	**557.111**	**551.255**	3

MF

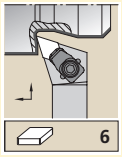
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Span-former	Spann-finger - satz	Hex (mm)
CCRN R/L 2525M12-MF4	25	25	27,0	150	35,0	3,1	-	-6,0	-6,0	**CN.N120408**	**552.220**	**554.252**	2,5	**557.125**	**551.252**	4
CCRN R/L 3225P12-MF4	32	25	27,0	170	35,0	3,1	-	-6,0	-6,0	**CN.N120408**	**552.220**	**554.252**	2,5	**557.125**	**551.252**	4
CCRN R/L 2525M12-MF7	25	25	27,0	150	35,0	3,1	-	-6,0	-6,0	**CN.N120708**	**552.221**	**554.252**	2,5	**557.125**	**551.252**	4
CCRN R/L 3225P12-MF7	32	25	27,0	170	35,0	3,1	-	-6,0	-6,0	**CN.N120708**	**552.221**	**554.252**	2,5	**557.125**	**551.252**	4
CCRN R/L 3225P16-MF4	32	25	27,0	170	35,0	4,2	-	-6,0	-6,0	**CN.N160408**	**552.222**	**554.253**	3,0	**557.120**	**551.256**	3
CCRN R/L 3225P16-MF7	32	25	27,0	170	35,0	4,2	-	-6,0	-6,0	**CN.N160708**	**552.223**	**554.253**	3,0	**557.120**	**551.256**	3

MA

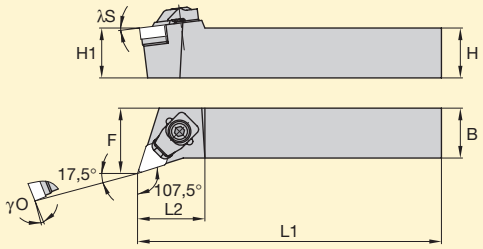
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
PCRN R/L 2525M12-MA4	25	25	27,0	150	35,0	3,1	-	-6,0	-6,0	**CN.A120408**	**552.220**	**554.016**	2,5
PCRN R/L 3225P12-MA4	32	25	27,0	170	35,0	3,1	-	-6,0	-6,0	**CN.A120408**	**552.220**	**554.016**	2,5
PCRN R/L 3225P16-MA6	32	25	27,0	170	35,0	4,2	-	-6,0	-6,0	**CN.A160608**	**552.242**	**554.017**	3,0

Bestellbeispiel:
Rechts: **CCRNR3225P16-MX7** 
Links: **CCRNL3225P16-MX7** 

CDHN 107,5°



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

V.DHN R/L 2525M12
V.DHN R/L 2525M15
V.DHN R/L 3225P15

MX

Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-finger - satz	Hex (mm)
CDHN R/L 2525M12-MX7	25	25	32,0	150	30,0	-	-	-7,0	-7,0	**DN.X120708**	**552.225**	**554.254**	2,5	**551.316**	4
CDHN R/L 2525M15-MX7	25	25	32,0	150	33,0	-	-	-7,0	-7,0	**DN.X150708**	**552.228**	**554.252**	2,5	**551.332**	4
CDHN R/L 3225P15-MX7	32	25	32,0	170	33,0	-	-	-7,0	-7,0	**DN.X150708**	**552.228**	**554.252**	2,5	**551.332**	4

MN

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
CDHN R/L 2525M15-MN7	25	25	32,0	150	33,0	-	-	-7,0	-7,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.111**	**551.255**	4
CDHN R/L 3225P15-MN7	32	25	32,0	170	33,0	-	-	-7,0	-7,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.111**	**551.255**	4

MF

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Span-former	Spann-finger - satz	Hex (mm)
Rechts																
CDHNR2525M15-MF7	25	25	32,0	150	33,0	-	-	-7,0	-7,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.123**	**551.260**	4
CDHNR3225P15-MF7	32	25	32,0	170	33,0	-	-	-7,0	-7,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.123**	**551.260**	4
Links																
CDHNL2525M15-MF7	25	25	32,0	150	33,0	-	-	-7,0	-7,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.124**	**551.261**	4
CDHNL3225P15-MF7	32	25	32,0	170	33,0	-	-	-7,0	-7,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.124**	**551.261**	4

MA

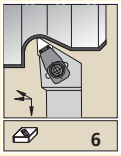
								λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
PDHN R/L 2525M15-MA6	25	25	32,0	150	33,0	-	-	-7,0	-7,0	**DN.A150608**	**552.247**	**554.016**	2,5
PDHN R/L 3225P15-MA6	32	25	32,0	170	33,0	-	-	-7,0	-7,0	**DN.A150608**	**552.247**	**554.016**	2,5

Bestellbeispiel:
Rechts: **CDHNR2525M12-MX7** 
Links: **CDHNL2525M12-MX7** 

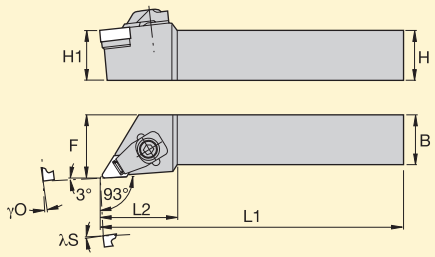
MTS Klemmhalter

-MX, -MN & -MF für KENDEX negative Wendeschneidplatten und -MA für KENLOC Wendeschneidplatten

CDJN 93°



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

V.DJN R/L 2525M12
V.DJN R/L 2525M15
V.DJN R/L 3225P15

MX

Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-finger - satz	Hex (mm)
CDJN R/L 2525M12-MX7	25	25	32,0	150	38,0	-	-	-6,0	-6,0	**DN.X120708**	**552.225**	**554.254**	2,5	**551.316**	4
CDJN R/L 2525M15-MX7	25	25	32,0	150	38,0	-	-	-6,0	-6,0	**DN.X150708**	**552.228**	**554.252**	2,5	**551.332**	4
CDJN R/L 3225P15-MX7	32	25	32,0	170	38,0	-	-	-6,0	-6,0	**DN.X150708**	**552.228**	**554.252**	2,5	**551.332**	4

MN

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
CDJN R/L 2525M15-MN7	25	25	32,0	150	38,0	-	-	-6,0	-6,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.111**	**551.255**	4
CDJN R/L 3225P15-MN7	32	25	32,0	170	38,0	-	-	-6,0	-6,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.111**	**551.255**	4

MF

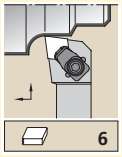
								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Span-former	Spann-finger - satz	Hex (mm)
Rechts																
CDJNR2525M15-MF7	25	25	32,0	150	38,0	-	-	-6,0	-6,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.123**	**551.260**	4
CDJNR3225P15-MF7	32	25	32,0	170	38,0	-	-	-6,0	-6,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.123**	**551.260**	4
Links																
CDJNL2525M15-MF7	25	25	32,0	150	38,0	-	-	-6,0	-6,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.124**	**551.261**	4
CDJNL3225P15-MF7	32	25	32,0	170	38,0	-	-	-6,0	-6,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.124**	**551.261**	4

MA

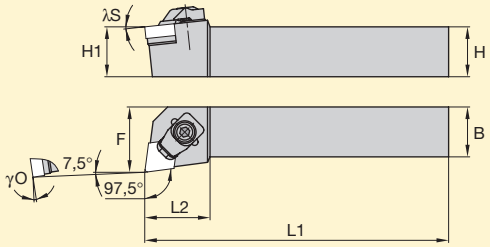
								λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
PDJN R/L 2525M15-MA6	25	25	32,0	150	38,0	-	-	-6,0	-6,0	**DN.A150608**	**552.247**	**554.016**	2,5
PDJN R/L 3225P15-MA6	32	25	32,0	170	38,0	-	-	-6,0	-6,0	**DN.A150608**	**552.247**	**554.016**	2,5

Bestellbeispiel:
Rechts: **CDJNR2525M12-MX7** 
Links: **CDJNL2525M12-MX7** 

CELN 97,5°



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

V.ELN R/L 2525M13
V.ELN R/L 3225P13

MX

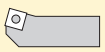
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-finger - satz	Hex (mm)
CELN R/L 2525M13-MX7	25	25	32,0	150	32,0	-	-	-6,0	-6,0	**EN.X130708**	**552.240**	**554.252**	2,5	**551.316**	4
CELN R/L 3225P13-MX7	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**EN.X130708**	**552.240**	**554.252**	2,5	**551.316**	4

MN

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
CELN R/L 2525M13-MN4	25	25	32,0	150	32,0	-	-	-6,0	-6,0	**EN.N130408**	**552.239**	**554.252**	2,5	**557.111**	**551.255**	4
CELN R/L 3225P13-MN4	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**EN.N130408**	**552.239**	**554.252**	2,5	**557.111**	**551.255**	4
CELN R/L 2525M13-MN7	25	25	32,0	150	32,0	-	-	-6,0	-6,0	**EN.N130708**	**552.240**	**554.252**	2,5	**557.111**	**551.255**	4
CELN R/L 3225P13-MN7	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**EN.N130708**	**552.240**	**554.252**	2,5	**557.111**	**551.255**	4

MF

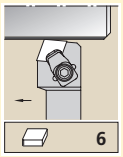
								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Span-former	Spann-finger - satz	Hex (mm)
CELN R/L 2525M13-MF4	25	25	32,0	150	32,0	-	-	-6,0	-6,0	**EN.N130408**	**552.239**	**554.252**	2,5	**557.125**	**551.252**	4
CELN R/L 3225P13-MF4	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**EN.N130408**	**552.239**	**554.252**	2,5	**557.125**	**551.252**	4
CELN R/L 2525M13-MF7	25	25	32,0	150	32,0	-	-	-6,0	-6,0	**EN.N130708**	**552.240**	**554.252**	2,5	**557.125**	**551.252**	4
CELN R/L 3225P13-MF7	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**EN.N130708**	**552.240**	**554.252**	2,5	**557.125**	**551.252**	4

Bestellbeispiel:
Rechts: **CELNR2525M13-MX7** 
Links: **CELNL2525M13-MX7** 

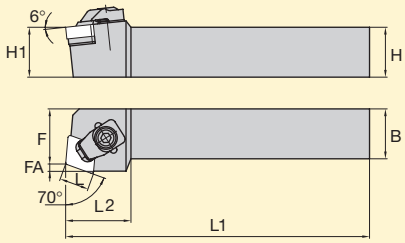
MTS Klemmhalter

-MN & -MF für KENDEX negative Wendeschneidplatten

CEXN 70°



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

V.EXN R/L 2525M13
V.EXN R/L 3225M13

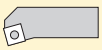
MN

Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
CEXN R/L 2525M13-MN4	25	25	32,0	150	32,0	4,5	-	-6,0	-6,0	**EN.N130408**	**552.239**	**554.252**	2,5	**557.111**	**551.255**	4
CEXN R/L 3225P13-MN4	32	25	32,0	170	32,0	4,5	-	-6,0	-6,0	**EN.N130408**	**552.239**	**554.252**	2,5	**557.111**	**551.255**	4
CEXN R/L 2525M13-MN7	25	25	32,0	150	32,0	4,5	-	-6,0	-6,0	**EN.N130708**	**552.240**	**554.252**	2,5	**557.111**	**551.255**	4
CEXN R/L 3225P13-MN7	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**EN.N130708**	**552.240**	**554.252**	2,5	**557.111**	**551.255**	4

MF

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Span-former	Spann-finger - satz	Hex (mm)
CEXN R/L 2525M13-MF4	25	25	32,0	150	32,0	-	-	-6,0	-6,0	**EN.N130408**	**552.239**	**554.252**	2,5	**557.125**	**551.252**	4
CEXN R/L 3225P13-MF4	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**EN.N130408**	**552.239**	**554.252**	2,5	**557.125**	**551.252**	4
CEXN R/L 2525M13-MF7	25	25	32,0	150	32,0	-	-	-6,0	-6,0	**EN.N130708**	**552.240**	**554.252**	2,5	**557.125**	**551.252**	4
CEXN R/L 3225P13-MF7	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**EN.N130708**	**552.240**	**554.252**	2,5	**557.125**	**551.252**	4

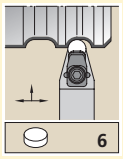
Bestellbeispiel:
Rechts: **CEXNR2525M13-MN4**



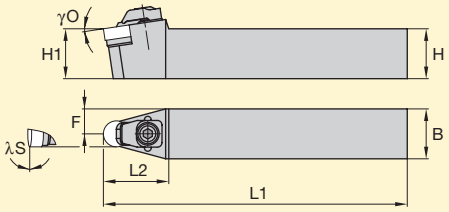
Links: **CEXNL2525M13-MN4**



CRDN



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

V.RDN N 2525M12
V.RDN N 3225M12

MN

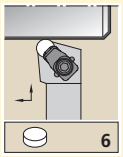
Katalognummer	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
CRDNN2525M12-MN4	25	25	12,5	150	30,0	-	-	0,0	-8,5	**RN.N120400**	**552.229**	**554.252**	2,5	**557.111**	**551.251**	4
CRDNN3225P12-MN4	32	25	12,5	170	30,0	-	-	0,0	-8,5	**RN.N120400**	**552.229**	**554.252**	2,5	**557.111**	**551.251**	4
CRDNN2525M12-MN7	25	25	12,5	150	30,0	-	-	0,0	-8,5	**RN.N120700**	**552.230**	**554.252**	2,5	**557.111**	**551.251**	4
CRDNN3225P12-MN7	32	25	12,5	170	30,0	-	-	0,0	-8,5	**RN.N120700**	**552.230**	**554.252**	2,5	**557.111**	**551.251**	4

Bestellbeispiel:
CRDNN2525M12-MN4

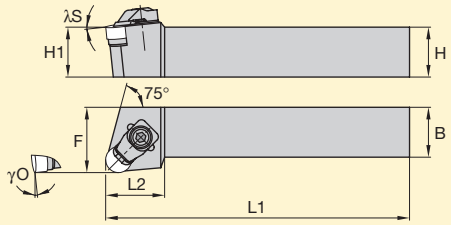
MTS Klemmhalter

-MN für KENDEX negative Wendeschneidplatten

CRSN



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

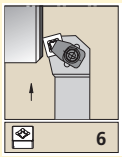
V.RSN R/L 2525M12
V.RSN R/L 3225P12
V.RSN R/L 3225P15
V.RSN R/L 3225P19
V.RSN R/L 3232P25

MN

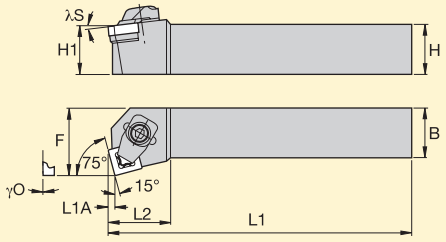
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
CRSN R/L 2525M12-MN4	25	25	32,0	150	26,0	-	-	-6,0	-6,0	**RN.N120400**	**552.229**	**554.252**	2,5	**557.111**	**551.251**	4
CRSN R/L 3225P12-MN4	32	25	32,0	170	26,0	-	-	-6,0	-6,0	**RN.N120400**	**552.229**	**554.252**	2,5	**557.111**	**551.251**	4
CRSN R/L 2525M12-MN7	25	25	32,0	150	26,0	-	-	-6,0	-6,0	**RN.N120700**	**552.230**	**554.252**	2,5	**557.111**	**551.251**	4
CRSN R/L 3225P12-MN7	32	25	32,0	170	26,0	-	-	-6,0	-6,0	**RN.N120700**	**552.230**	**554.252**	2,5	**557.111**	**551.251**	4
CRSN R/L 3225P15-MN7	32	25	32,0	170	26,0	-	-	-6,0	-6,0	**RN.N150700**	**552.248**	**554.252**	2,5	**557.111**	**551.251**	4
CRSN R/L 3225P19-MN7	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**RN.N190700**	**552.244**	**554.253**	3,0	**557.111**	**551.255**	3
CRSN R/L 3232P25-MN7	32	32	40,0	170	36,0	-	-	-6,0	-6,0	**RN.N250700**	**552.246**	**554.253**	3,0	**557.111**	**551.255**	3

Bestellbeispiel:
Rechts: **CRSNR2525M12-MN4** 
Links: **CRSNL2525M12-MN4** 

CSKN 75°



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

V.SKN R/L 2525M12
V.SKN R/L 3225P12
V.SKN R/L 3225P15

MX

Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-finger - satz	Hex (mm)
CSKN R/L 2525M12-MX7	25	25	32,0	150	27,0	-	3,0	-4,0	-6,0	**SN.X120708**	**552.232**	**554.252**	2,5	**551.316**	4
CSKN R/L 3225P12-MX7	32	25	32,0	170	27,0	-	3,0	-4,0	-6,0	**SN.X120708**	**552.232**	**554.252**	2,5	**551.316**	4
CSKN R/L 3225P15-MX7	32	25	32,0	170	28,0	-	3,9	-4,0	-6,0	**SN.X150708**	**552.234**	**554.253**	3,0	**551.316**	3

MN

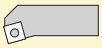
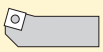
								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
CSKN R/L 2525M12-MN4	25	25	32,0	150	27,0	-	3,1	-4,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.111**	**551.255**	4
CSKN R/L 3225P12-MN4	32	25	32,0	170	27,0	-	3,1	-4,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.111**	**551.255**	4
CSKN R/L 2525M12-MN7	25	25	32,0	150	27,0	-	3,1	-4,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.111**	**551.255**	4
CSKN R/L 3225P12-MN7	32	25	32,0	170	27,0	-	3,1	-4,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.111**	**551.255**	4
CSKN R/L 3225P15-MN4	32	25	32,0	170	28,0	-	4,1	-4,0	-6,0	**SN.N150408**	**552.233**	**554.253**	3,0	**557.111**	**551.255**	3
CSKN R/L 3225P15-MN7	32	25	32,0	170	28,0	-	4,1	-4,0	-6,0	**SN.N150708**	**552.234**	**554.253**	3,0	**557.111**	**551.255**	3

MF

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Span-former	Spann-finger - satz	Hex (mm)
Rechts																
CSKNR2525M12-MF4	25	25	32,0	150	27,0	-	3,1	-4,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.127**	**551.254**	4
CSKNR3225P12-MF4	32	25	32,0	170	27,0	-	3,1	-4,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.127**	**551.254**	4
CSKNR2525M12-MF7	25	25	32,0	150	27,0	-	3,1	-4,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.127**	**551.254**	4
CSKNR3225P12-MF7	32	25	32,0	170	27,0	-	3,1	-4,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.127**	**551.254**	4
CSKNR3225P15-MF4	32	25	32,0	170	28,0	-	4,1	-4,0	-6,0	**SN.N150408**	**552.233**	**554.253**	3,0	**557.122**	**551.258**	3
CSKNR3225P15-MF7	32	25	32,0	170	28,0	-	4,1	-4,0	-6,0	**SN.N150708**	**552.234**	**554.253**	3,0	**557.122**	**551.258**	3
Links																
CSKNL2525M12-MF4	25	25	32,0	150	27,0	-	3,1	-4,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.126**	**551.253**	4
CSKNL3225P12-MF4	32	25	32,0	170	27,0	-	3,1	-4,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.126**	**551.253**	4
CSKNL2525M12-MF7	25	25	32,0	150	27,0	-	3,1	-4,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.126**	**551.253**	4
CSKNL3225P12-MF7	32	25	32,0	170	27,0	-	3,1	-4,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.126**	**551.253**	4
CSKNL3225P15-MF4	32	25	32,0	170	28,0	-	4,1	-4,0	-6,0	**SN.N150408**	**552.233**	**554.253**	3,0	**557.121**	**551.257**	3
CSKNL3225P15-MF7	32	25	32,0	170	28,0	-	4,1	-4,0	-6,0	**SN.N150708**	**552.234**	**554.253**	3,0	**557.121**	**551.257**	3

MA

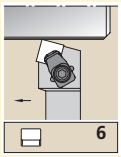
								λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
PSKN R/L 2525M12-MA4	25	25	32,0	150	27,0	-	3,1	-4,0	-6,0	**SN.A120408**	**552.231**	**554.016**	2,5
PSKN R/L 3225P12-MA4	32	25	32,0	170	27,0	-	3,1	-4,0	-6,0	**SN.A120408**	**552.231**	**554.016**	2,5
PSKN R/L 3225P15-MA6	32	25	32,0	170	28,0	-	4,1	-4,0	-6,0	**SN.A150608**	**552.253**	**554.017**	3,0

Bestellbeispiel:
Rechts: **CSKNR2525M12-MX7** 
Links: **CSKNL2525M12-MX7** 

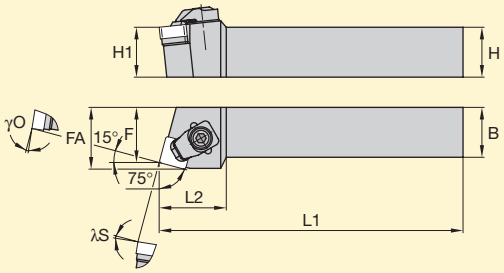
MTS Klemmhalter

-MX, -MN & -MF für KENDEX negative Wendeschneidplatten und -MA für KENLOC Wendeschneidplatten

CSRN 75°



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

V.SRN R/L 2525M12
V.SRN R/L 3225P12
V.SRN R/L 3225P15

MX

Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-finger - satz	Hex (mm)
CSRN R/L 2525M12-MX7	25	25	27,0	150	32,0	3,1	-	-6,0	-6,0	**SN.X120708**	**552.232**	**554.252**	2,5	**551.316**	4
CSRN R/L 3225P12-MX7	32	25	27,0	170	32,0	3,1	-	-6,0	-6,0	**SN.X120708**	**552.232**	**554.252**	2,5	**551.316**	4
CSRN R/L 3225P15-MX7	32	25	27,0	170	34,0	4,1	-	-6,0	-6,0	**SN.X150708**	**552.234**	**554.253**	3,0	**551.316**	3

MN

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
CSRN R/L 2525M12-MN4	25	25	27,0	150	32,0	3,1	-	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.111**	**551.255**	4
CSRN R/L 3225P12-MN4	32	25	27,0	170	32,0	3,1	-	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.111**	**551.255**	4
CSRN R/L 2525M12-MN7	25	25	27,0	150	32,0	3,1	-	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.111**	**551.255**	4
CSRN R/L 3225P12-MN7	32	25	27,0	170	32,0	3,1	-	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.111**	**551.255**	4
CSRN R/L 3225P15-MN4	32	25	27,0	170	34,0	4,1	-	-6,0	-6,0	**SN.N150408**	**552.233**	**554.253**	3,0	**557.111**	**551.255**	3
CSRN R/L 3225P15-MN7	32	25	27,0	170	34,0	4,1	-	-6,0	-6,0	**SN.N150708**	**552.234**	**554.253**	3,0	**557.111**	**551.255**	3

MF

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Span-former	Spann-finger - satz	Hex (mm)
Rechts																
CSRNR2525M12-MF4	25	25	27,0	150	32,0	3,1	-	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.126**	**551.253**	4
CSRNR3225P12-MF4	32	25	27,0	170	32,0	3,1	-	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.126**	**551.253**	4
CSRNR2525M12-MF7	25	25	27,0	150	32,0	3,1	-	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.126**	**551.253**	4
CSRNR3225P12-MF7	32	25	27,0	170	32,0	3,1	-	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.126**	**551.253**	4
CSRNR3225P15-MF4	32	25	27,0	170	34,0	4,1	-	-6,0	-6,0	**SN.N150408**	**552.233**	**554.253**	3,0	**557.121**	**551.257**	3
CSRNR3225P15-MF7	32	25	27,0	170	34,0	4,1	-	-6,0	-6,0	**SN.N150708**	**552.234**	**554.253**	3,0	**557.121**	**551.257**	3
Links																
CSRNL2525M12-MF4	25	25	27,0	150	32,0	3,1	-	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.127**	**551.254**	4
CSRNL3225P12-MF4	32	25	27,0	170	32,0	3,1	-	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.127**	**551.254**	4
CSRNL2525M12-MF7	25	25	27,0	150	32,0	3,1	-	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.127**	**551.254**	4
CSRNL3225P12-MF7	32	25	27,0	170	32,0	3,1	-	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.127**	**551.254**	4
CSRNL3225P15-MF4	32	25	27,0	170	34,0	4,1	-	-6,0	-6,0	**SN.N150408**	**552.233**	**554.253**	3,0	**557.122**	**551.258**	3
CSRNL3225P15-MF7	32	25	27,0	170	34,0	4,1	-	-6,0	-6,0	**SN.N150708**	**552.234**	**554.253**	3,0	**557.122**	**551.258**	3

MA

								λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
PSRN R/L 2525M12-MA4	25	25	27,0	150	32,0	3,1	-	-6,0	-6,0	**SN.A120408**	**552.231**	**554.016**	2,5
PSRN R/L 3225P12-MA4	32	25	27,0	170	32,0	3,1	-	-6,0	-6,0	**SN.A120408**	**552.231**	**554.016**	2,5
PSRN R/L 3225P15-MA6	32	25	27,0	170	34,0	4,1	-	-6,0	-6,0	**SN.A150608**	**552.253**	**554.017**	3,0

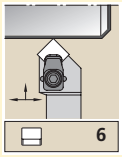
Bestellbeispiel:
Rechts: **CSRNR2525M12-MX7**



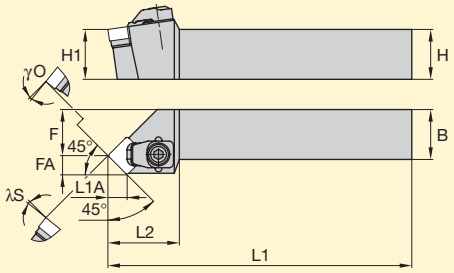
Links: **CSRNL2525M12-MX7**



CSSN 45°



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

V.SSN R/L 2525M12
V.SSN R/L 3225P12
V.SSN R/L 3225P15

MX

Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-finger - satz	Hex (mm)
CSSN R/L 2525M12-MX7	25	25	32,0	150	35,0	8,3	8,3	0,0	-8,0	**SN.X120708**	**552.232**	**554.252**	2,5	**551.316**	4
CSSN R/L 3225P12-MX7	32	25	32,0	170	35,0	8,3	8,3	0,0	-8,0	**SN.X120708**	**552.232**	**554.252**	2,5	**551.316**	4
CSSN R/L 3225P15-MX7	32	25	32,0	170	37,0	10,2	10,2	0,0	-8,0	**SN.X120708**	**552.234**	**554.253**	3,0	**551.316**	3

MN

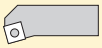
								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
CSSN R/L 2525M12-MN4	25	25	32,0	150	35,0	8,3	8,3	0,0	-8,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.111**	**551.255**	4
CSSN R/L 3225P12-MN4	32	25	32,0	170	35,0	8,3	8,3	0,0	-8,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.111**	**551.255**	4
CSSN R/L 2525M12-MN7	25	25	32,0	150	35,0	8,3	8,3	0,0	-8,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.111**	**551.255**	4
CSSN R/L 3225P12-MN7	32	25	32,0	170	35,0	8,3	8,3	0,0	-8,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.111**	**551.255**	4
CSSN R/L 3225P15-MN4	32	25	32,0	170	37,0	10,2	10,2	0,0	-8,0	**SN.N150408**	**552.233**	**554.253**	3,0	**557.111**	**551.255**	3
CSSN R/L 3225P15-MN7	32	25	32,0	170	37,0	10,2	10,2	0,0	-8,0	**SN.N150708**	**552.234**	**554.253**	3,0	**557.111**	**551.255**	3

MF

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Span-former	Spann-finger - satz	Hex (mm)
CSSN R/L 2525M12-MF4	25	25	32,0	150	35,0	8,3	8,3	0,0	-8,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.125**	**551.252**	4
CSSN R/L 3225P12-MF4	32	25	32,0	170	35,0	8,3	8,3	0,0	-8,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.125**	**551.252**	4
CSSN R/L 2525M12-MF7	25	25	32,0	150	35,0	8,3	8,3	0,0	-8,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.125**	**551.252**	4
CSSN R/L 3225P12-MF7	32	25	32,0	170	35,0	8,3	8,3	0,0	-8,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.125**	**551.252**	4
CSSN R/L 3225P15-MF4	32	25	32,0	170	37,0	10,2	10,2	0,0	-8,0	**SN.N150408**	**552.233**	**554.253**	3,0	**557.120**	**551.256**	3
CSSN R/L 3225P15-MF7	32	25	32,0	170	37,0	10,2	10,2	0,0	-8,0	**SN.N150708**	**552.234**	**554.253**	3,0	**557.120**	**551.256**	3

MA

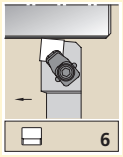
								λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
PSSN R/L 2525M12-MA4	25	25	32,0	150	35,0	8,3	8,3	0,0	-8,0	**SN.A120408**	**552.231**	**554.016**	2,5
PSSN R/L 3225P12-MA4	32	25	32,0	170	35,0	8,3	8,3	0,0	-8,0	**SN.A120408**	**552.231**	**554.016**	2,5
PSSN R/L 3225P15-MA6	32	25	32,0	170	37,0	10,2	10,2	0,0	-8,0	**SN.A150608**	**552.253**	**554.017**	3,0

Bestellbeispiel:
Rechts: **CSSNR2525M12-MX7** 
Links: **CSSNL2525M12-MX7** 

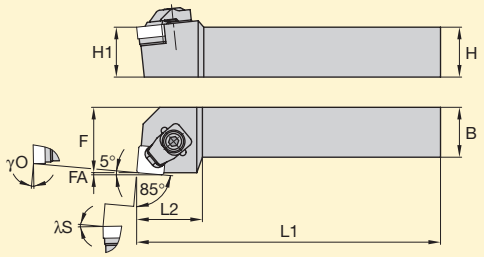
MTS Klemmhalter

-MX, -MN & -MF für KENDEX negative Wendeschneidplatten und -MA für KENLOC Wendeschneidplatten

CSXN 85°



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

V.SXN R/L 2525M12
V.SXN R/L 3225P12
V.SXN R/L 3225P15

MX

Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-finger - satz	Hex (mm)
CSXN R/L 2525M12-MX7	25	25	32,0	150	30,0	1.1	-	-6,0	-6,0	**SN.X120708**	**552.232**	**554.252**	2,5	**551.316**	4
CSXN R/L 3225P12-MX7	32	25	32,0	170	30,0	1.1	-	-6,0	-6,0	**SN.X120708**	**552.232**	**554.252**	2,5	**551.316**	4
CSXN R/L 3225P15-MX7	32	25	32,0	170	30,0	1.4	-	-6,0	-6,0	**SN.X150708**	**552.234**	**554.253**	3,0	**551.316**	3

MN

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
CSXN R/L 2525M12-MN4	25	25	32,0	150	30,0	1,1	-	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.111**	**551.255**	4
CSXN R/L 3225P12-MN4	32	25	32,0	170	30,0	1,1	-	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.111**	**551.255**	4
CSXN R/L 2525M12-MN7	25	25	32,0	150	30,0	1,1	-	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.111**	**551.255**	4
CSXN R/L 3225P12-MN7	32	25	32,0	170	30,0	1,1	1,0	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.111**	**551.255**	4
CSXN R/L 3225P15-MN4	32	25	32,0	170	30,0	1,4	1,0	-6,0	-6,0	**SN.N150408**	**552.233**	**554.253**	3,0	**557.111**	**551.255**	3
CSXN R/L 3225P15-MN7	32	25	32,0	170	30,0	1,4	1,0	-6,0	-6,0	**SN.N150708**	**552.234**	**554.253**	3,0	**557.111**	**551.255**	3

MF

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Span-former	Spann-finger - satz	Hex (mm)
Rechts																
CSXNR2525M12-MF4	25	25	32,0	150	30,0	1,1	-	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.126**	**551.253**	4
CSXNR3225P12-MF4	32	25	32,0	170	30,0	1,1	-	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.126**	**551.253**	4
CSXNR2525M12-MF7	25	25	32,0	150	30,0	1,1	-	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.126**	**551.253**	4
CSXNR3225P12-MF7	32	25	32,0	170	30,0	1,1	-	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.126**	**551.253**	4
CSXNR3225P15-MF4	32	25	32,0	170	30,0	1,4	-	-6,0	-6,0	**SN.N150408**	**552.233**	**554.253**	3,0	**557.121**	**551.257**	3
CSXNR3225P15-MF7	32	25	32,0	170	30,0	1,4	-	-6,0	-6,0	**SN.N150708**	**552.234**	**554.253**	3,0	**557.121**	**551.257**	3
Links																
CSXNL2525M12-MF4	25	25	32,0	150	30,0	1,1	-	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.127**	**551.254**	4
CSXNL3225P12-MF4	32	25	32,0	170	30,0	1,1	-	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.127**	**551.254**	4
CSXNL2525M12-MF7	25	25	32,0	150	30,0	1,1	-	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.127**	**551.254**	4
CSXNL3225P12-MF7	32	25	32,0	170	30,0	1,1	-	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.127**	**551.254**	4
CSXNL3225P15-MF4	32	25	32,0	170	30,0	1,4	-	-6,0	-6,0	**SN.N150408**	**552.233**	**554.253**	3,0	**557.122**	**551.258**	3
CSXNL3225P15-MF7	32	25	32,0	170	30,0	1,4	-	-6,0	-6,0	**SN.N150708**	**552.234**	**554.253**	3,0	**557.122**	**551.258**	3

MA

								λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
PSXN R/L 2525M12-MA4	25	25	32,0	150	30,0	1,1	-	-6,0	-6,0	**SN.A120408**	**552.231**	**554.016**	2,5
PSXN R/L 3225P12-MA4	32	25	32,0	170	30,0	1,1	-	-6,0	-6,0	**SN.A120408**	**552.231**	**554.016**	2,5
PSXN R/L 3225P15-MA6	32	25	32,0	170	30,0	1,4	-	-6,0	-6,0	**SN.A150608**	**552.253**	**554.017**	3,0

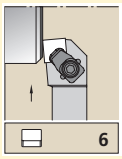
Bestellbeispiel:
Rechts: **CSXNR2525M12-MX7**



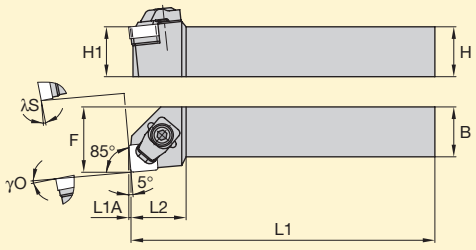
Links: **CSXNL2525M12-MX7**



CSYN 85°



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

V.SYN R/L 2525M12
V.SYN R/L 3225P12
V.SYN R/L 3225P15

MX

Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-finger - satz	Hex (mm)
CSYN R/L 2525M12-MX7	25	25	32,0	150	27,0	-	1,0	-6,0	-6,0	**SN.X120708**	**552.232**	**554.252**	2,5	**551.316**	4
CSYN R/L 3225P12-MX7	32	25	32,0	170	27,0	-	1,0	-6,0	-6,0	**SN.X120708**	**552.232**	**554.252**	2,5	**551.316**	4
CSYN R/L 3225P15-MX7	32	25	32,0	170	27,0	-	1,3	-6,0	-6,0	**SN.X150708**	**552.234**	**554.253**	3,0	**551.316**	3

MN

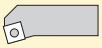
								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
CSYN R/L 2525M12-MN4	25	25	32,0	150	27,0	-	1,1	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.111**	**551.255**	4
CSYN R/L 3225P12-MN4	32	25	32,0	170	27,0	-	1,1	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.111**	**551.255**	4
CSYN R/L 2525M12-MN7	25	25	32,0	150	27,0	-	1,1	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.111**	**551.255**	4
CSYN R/L 3225P12-MN7	32	25	32,0	170	27,0	-	1,1	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.111**	**551.255**	4
CSYN R/L 3225P15-MN4	32	25	32,0	170	27,0	-	1,4	-6,0	-6,0	**SN.N150408**	**552.233**	**554.253**	3,0	**557.111**	**551.255**	3
CSYN R/L 3225P15-MN7	32	25	32,0	170	27,0	-	1,4	-6,0	-6,0	**SN.N150708**	**552.234**	**554.253**	3,0	**557.111**	**551.255**	3

MF

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Span-former	Spann-finger - satz	Hex (mm)
Rechts																
CSYNR2525M12-MF4	25	25	32,0	150	27,0	-	1,1	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.127**	**551.254**	4
CSYNR3225P12-MF4	32	25	32,0	170	27,0	-	1,1	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.127**	**551.254**	4
CSYNR2525M12-MF7	25	25	32,0	150	27,0	-	1,1	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.127**	**551.254**	4
CSYNR3225P12-MF7	32	25	32,0	170	27,0	-	1,1	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.127**	**551.254**	4
CSYNR3225P15-MF4	32	25	32,0	170	27,0	-	1,4	-6,0	-6,0	**SN.N150408**	**552.233**	**554.253**	3,0	**557.122**	**551.258**	3
CSYNR3225P15-MF7	32	25	32,0	170	27,0	-	1,4	-6,0	-6,0	**SN.N150708**	**552.234**	**554.253**	3,0	**557.122**	**551.258**	3
Links																
CSYNL2525M12-MF4	25	25	32,0	150	27,0	-	1,1	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.126**	**551.253**	4
CSYNL3225P12-MF4	32	25	32,0	170	27,0	-	1,1	-6,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.126**	**551.253**	4
CSYNL2525M12-MF7	25	25	32,0	150	27,0	-	1,1	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.126**	**551.253**	4
CSYNL3225P12-MF7	32	25	32,0	170	27,0	-	1,1	-6,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.126**	**551.253**	4
CSYNL3225P15-MF4	32	25	32,0	170	27,0	-	1,4	-6,0	-6,0	**SN.N150408**	**552.233**	**554.253**	3,0	**557.121**	**551.257**	3
CSYNL3225P15-MF7	32	25	32,0	170	27,0	-	1,4	-6,0	-6,0	**SN.N150708**	**552.234**	**554.253**	3,0	**557.121**	**551.257**	3

MA

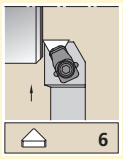
								λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
PSYN R/L 2525M12-MA4	25	25	32,0	150	27,0	1,1	-	-6,0	-6,0	**SN.A120408**	**552.231**	**554.016**	2,5
PSYN R/L 3225P12-MA4	32	25	32,0	170	27,0	1,1	-	-6,0	-6,0	**SN.A120408**	**552.231**	**554.016**	2,5
PSYN R/L 3225P15-MA6	32	25	32,0	170	27,0	1,4	-	-6,0	-6,0	**SN.A150608**	**552.253**	**554.017**	3,0

Bestellbeispiel:
Rechts: **CSYNR2525M12-MX7** 
Links: **CSYNL2525M12-MX7** 

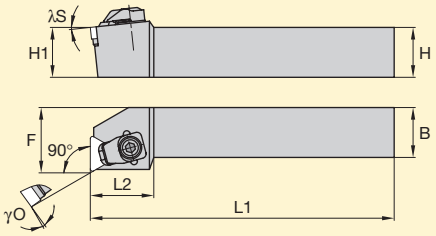
MTS Klemmhalter

-MN für KENDEX negative Wendeschneidplatten und -MA für KENLOC Wendeschneidplatten

CTFN 90°



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

V.TFN R/L 2525M16
V.TFN R/L 3225P16

MN

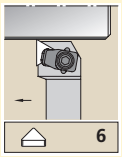
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
CTFN R/L 2525M16-MN4	25	25	32,0	150	29,0	-	-	-6,0	-6,0	**TN.N160408**	**552.235**	**554.254**	2,5	**557.111**	**551.251**	4
CTFN R/L 3225P16-MN4	32	25	32,0	170	29,0	-	-	-6,0	-6,0	**TN.N160408**	**552.235**	**554.254**	2,5	**557.111**	**551.251**	4
CTFN R/L 2525M16-MN7	25	25	32,0	150	29,0	-	-	-6,0	-6,0	**TN.N160708**	**552.236**	**554.254**	2,5	**557.111**	**551.251**	4
CTFN R/L 3225P16-MN7	32	25	32,0	170	29,0	-	-	-6,0	-6,0	**TN.N160708**	**552.236**	**554.254**	2,5	**557.111**	**551.251**	4

MA

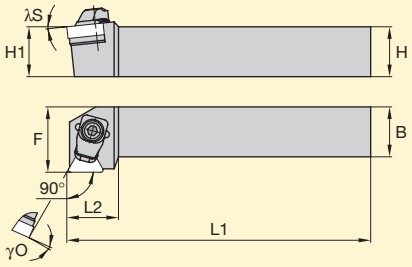
								γF°	γP°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
PTFN R/L 2525M16-MA4	25	25	32,0	150	29,0	-	-	-6,0	-6,0	**TN.A160408**	**552.235**	**554.018**	2,0
PTFN R/L 3225P16-MA4	32	25	32,0	170	29,0	-	-	-6,0	-6,0	**TN.A160408**	**552.235**	**554.018**	2,0

Bestellbeispiel:
Rechts: **CTFNR2525M16-MN4** 
Links: **CTFNL2525M16-MN4** 

CTGN 90°



Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

V.TGN R/L 2525M16
V.TGN R/L 3225P16

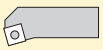
MN

Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Druck-platte	Spann-finger - satz	Hex (mm)
CTGN R/L 2525M16-MN4	25	25	32,0	150	20,0	-	-	-6,0	-6,0	**TN.N160408**	**552.235**	**554.254**	2,5	**557.111**	**551.251**	4
CTGN R/L 3225P16-MN4	32	25	32,0	170	20,0	-	-	-6,0	-6,0	**TN.N160408**	**552.235**	**554.254**	2,5	**557.111**	**551.251**	4
CTGN R/L 2525M16-MN7	25	25	32,0	150	20,0	-	-	-6,0	-6,0	**TN.N160708**	**552.236**	**554.254**	2,5	**557.111**	**551.251**	4
CTGN R/L 3225P16-MN7	32	25	32,0	170	20,0	-	-	-6,0	-6,0	**TN.N160708**	**552.236**	**554.254**	2,5	**557.111**	**551.251**	4

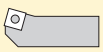
MA

								λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
PTGN R/L 2525M16-MA4	25	25	32,0	150	20,0	-	-	-6,0	-6,0	**TN.A160408**	**552.235**	**554.018**	2,0
PTGN R/L 3225P16-MA4	32	25	32,0	170	20,0	-	-	-6,0	-6,0	**TN.A160408**	**552.235**	**554.018**	2,0

Bestellbeispiel::
Rechts: **CTGNR2525M16-MN4**



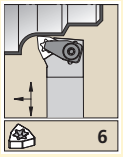
Links: **CTGNL2525M16-MN4**

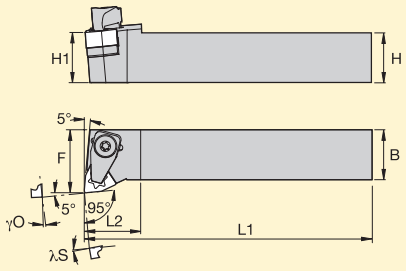


MTS Klemmhalter

-MX für KENDEX negative Wendeschneidplatten

CWLN 95°





Grundhalter separat bestellbar:

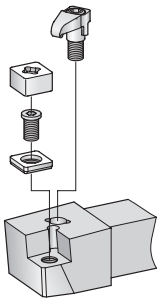
V.WLN R/L 2525M08
V.WLN R/L 3225P08

MX

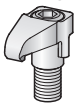
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-finger - satz	Hex (mm)
CWLN R/L 2525M08-MX7	25	25	32,0	150	32,0	-	-	-6,0	-6,0	**WN.X080708**	**552.210**	**554.252**	2,5	**551.316**	4
CWLN R/L 3225P08-MX7	32	25	32,0	170	32,0	-	-	-6,0	-6,0	**WN.X080708**	**552.210**	**554.252**	2,5	**551.316**	4

Einbauteile für -MX, -MN, -MF &-MA Klemmvariante

Klemmvariante MX

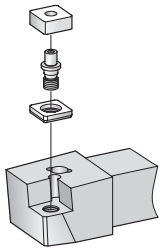


Spannfingersatz



551.316
551.332

Klemmvariante MA

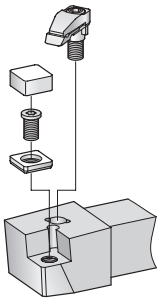


Spannstift

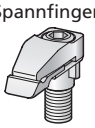


554.016
554.017
554.018

Klemmvariante MN

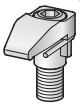


Spannfingersatz

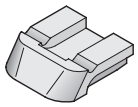


551.251
551.255

Spannelemente einzeln

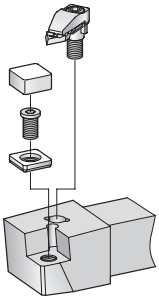


Spannelement
551.333
551.317

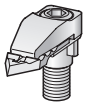


Druckplatte
557.111
557.111

Klemmvariante MF

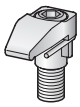


Spannfingersatz

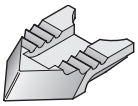


551.252
551.253
551.254
551.256
551.257
551.258
551.260
551.261

Spannelemente einzeln



Spannelement
551.317
551.317
551.317
551.317
551.317
551.317
551.317
551.317



Spanformer
557.125
557.126
557.127
557.120
557.121
557.122
557.123
557.124

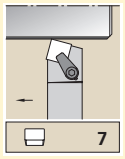
Bestellbeispiel:
Rechts: **CWLNR2525M08-MX7**

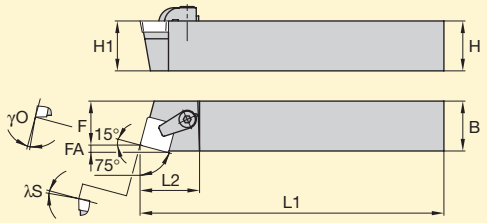


Links: **CWLNL2525M08-MX7**

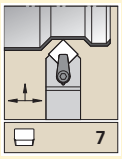


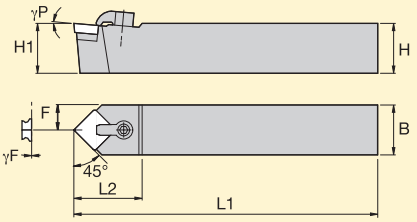
CSBP 75°





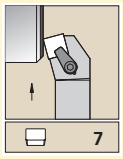
CSDP 45°

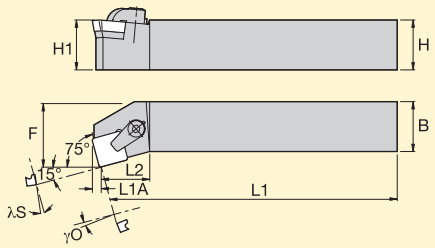




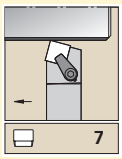
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
CSBP R/L 1616H09	16	16	13,0	100	22,0	2,2	-	-	0,0	5,0	**SP..090308**	**SM820**	**MS959**	-	**CKM7**	**STCM9**	2,5
CSBP R/L 2020K09	20	20	17,0	125	22,0	2,2	-	-	0,0	5,0	**SP..090308**	**SM820**	**MS959**	-	**CKM7**	**STCM9**	2,5
CSBP R/L 2020K12	20	20	17,0	125	30,0	3,1	-	-	0,0	5,0	**SP..120308**	**SM840**	**MS111**	2,0	**CKM10**	**STCM8**	4,0
CSBP R/L 2525M12	25	25	22,0	150	30,0	3,1	-	-	0,0	5,0	**SP..120308**	**SM840**	**MS111**	2,0	**CKM10**	**STCM8**	4,0
									γF°	γP°							
CSDPN1212F09	12	12	6,0	80	25,0	-	-	-	0,0	5,0	**SP..090308**	**SM820**	**MS959**	-	**CKM7**	**STCM9**	2,5
CSDPN1616H09	16	16	8,0	100	25,0	-	-	-	0,0	5,0	**SP..090308**	**SM820**	**MS959**	-	**CKM7**	**STCM9**	2,5
CSDPN2020K12	20	20	10,0	125	32,0	-	-	-	0,0	5,0	**SP..120308**	**SM840**	**MS111**	2,0	**CKM10**	**STCM8**	4,0
CSDPN2525M12	25	25	12,5	150	32,0	-	-	-	0,0	5,0	**SP..120308**	**SM840**	**MS111**	2,0	**CKM9**	**STCM4**	4,0

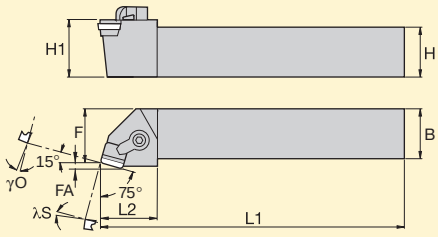
CSKP 75°





CSRP 75°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
CSKP R/L 1212F09	12	12	16,0	80	22,0	-	2,2	-	0,0	5,0	**SP..090308**	**SM820**	**MS959**	-	**CKM7**	**STCM9**	2,5
CSKP R/L 1616H09	16	16	20,0	100	22,0	-	2,2	-	0,0	5,0	**SP..090308**	**SM820**	**MS959**	-	**CKM7**	**STCM9**	2,5
CSKP R/L 2525M12	25	25	32,0	150	28,0	-	3,1	-	0,0	5,0	**SP..120308**	**SM840**	**MS111**	2,0	**CKM9**	**STCM4**	4,0
									λS°	γO°							
CSRP R/L 1212F09	12	12	13,0	80	22,0	2,2	-	-	0,0	5,0	**SP..090308**	**SM820**	**MS959**	-	**CKM7**	**STCM9**	2,5

Bestellbeispiel:
Rechts: **CSBPR1616H09**



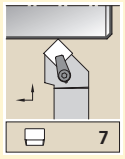
Links: **CSBPL1616H09**

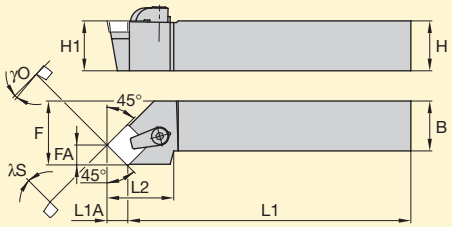


KENDEX Klemmhalter

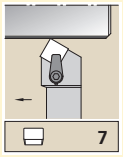
KENDEX positive Wendeschneidplatten

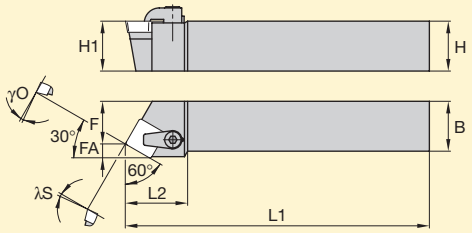
CSSP 45°





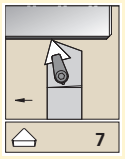
CSTP 60°

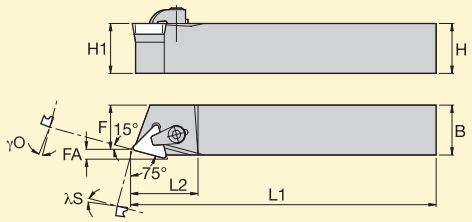




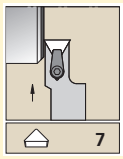
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
CSSP R/L 2020K12	20	20	25,0	125	32,0	8,7	8,3	-	0,0	5,0	**SP.120308**	**SM840**	**MS111**	2,0	**CKM10**	**STCM8**	4,0
CSSP R/L 2525M12	25	25	32,0	150	32,0	8,7	8,3	-	0,0	5,0	**SP.120308**	**SM840**	**MS111**	2,0	**CKM9**	**STCM4**	4,0
									λS°	γO°							
CSTP R/L 2020K09	20	20	17,0	125	20,0	4,3	-	-	0,0	5,0	**SP.090308**	**SM820**	**MS959**	-	**CKM7**	**STCM5**	2,5
CSTP R/L 2020K12	20	20	17,0	125	30,0	5,9	-	-	0,0	5,0	**SP.120308**	**SM840**	**MS111**	2,0	**CKM10**	**STCM8**	4,0
CSTP R/L 2525M12	25	25	22,0	150	28,0	5,9	-	-	0,0	5,0	**SP.120308**	**SM840**	**MS111**	2,0	**CKM12**	**STCM4**	4,0

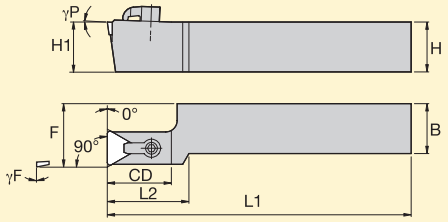
CTBP 75°





CTCP 90°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	CD	λS°	γO°	Wende-schneid-platte	Unter lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
CTBP R/L 1212F11	12	12	10,0	80	22,0	2,6	-	-	0,0	5,0	**TP.110304**	**SM819**	**MS960**	-	**CKM19**	**STCM9**	2,5
CTBP R/L 1616H11	16	16	13,0	100	20,0	2,6	-	-	0,0	5,0	**TP.110304**	**SM819**	**MS960**	-	**CKM19**	**STCM9**	2,5
									γF°	γP°							
CTCP R/L 2020K16	20	20	25,0	125	38,0	-	-	32,0	0,0	3,0	**TP.160308**	**SM841**	**MS111**	2,0	**CKM13**	**STCM8**	4,0

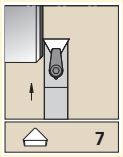
Bestellbeispiel:
Rechts: **CSSPR2020K12**

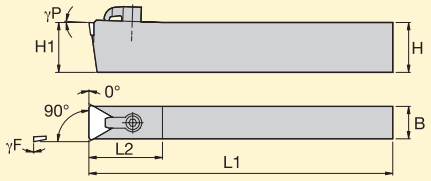


Links: **CSSPL2020K12**



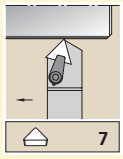
CTCP 90°

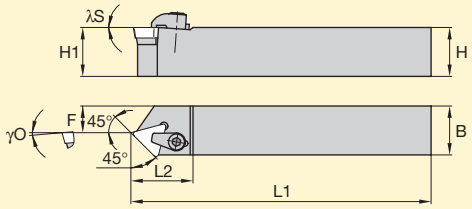




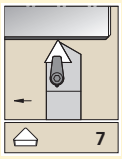
Katalognummer	H = H1	B	F	L1	L2	FA	L1A	CD	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
CTCPN1010E11	10	10	-	70	26,0	-	-	-	0,0	3,0	**TP..110304**	**SM815**	**MS961**	-	**CKM7**	**STCM9**	2,5
CTCPN2510M11	25	10	-	150	26,0	-	-	-	0,0	3,0	**TP..110304**	**SM819**	**MS960**	-	**CKM7**	**STCM5**	2,5
CTCPN1212F16	12	12	-	80	28,0	-	-	-	0,0	3,0	**TP..160308**	**SM841**	**MS109**	2,0	**CKM23**	**STCM11**	3,0
CTCPN2514M16	25	14	-	150	28,0	-	-	-	0,0	3,0	**TP..160308**	**SM841**	**MS111**	2,0	**CKM13**	**STCM4**	4,0
CTCPN2518M22	25	18	-	150	41,0	-	-	-	0,0	3,0	**TP..220408**	**SM837**	**MS125**	2,5	**CKM13**	**STCM4**	4,0
CTCPN2520M22	25	20	-	150	41,0	-	-	-	0,0	3,0	**TP..220408**	**SM837**	**MS125**	2,5	**CKM13**	**STCM4**	4,0
CTCPN4018R22	40	18	-	200	41,0	-	-	-	0,0	3,0	**TP..220408**	**SM837**	**MS125**	2,5	**CKM13**	**STCM4**	4,0
CTCPN4020R22	40	20	-	200	41,0	-	-	-	0,0	3,0	**TP..220408**	**SM837**	**MS125**	2,5	**CKM13**	**STCM4**	4,0

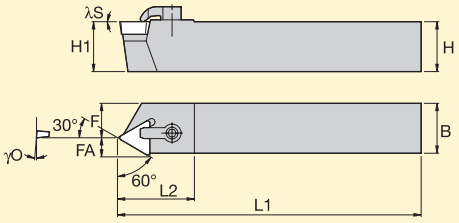
CTDP 45°





CTEP 60°





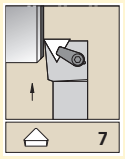
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
CTDP R/L 1212F11	12	12	6,0	80	22,0	-	-	-	0,0	5,0	**TP..110304**	**SM819**	**MS960**	-	**CKM19**	**STCM9**	2,5
CTDP R/L 1616H11	16	16	10,0	100	22,0	-	-	-	0,0	5,0	**TP..110304**	**SM819**	**MS960**	-	**CKM19**	**STCM9**	2,5
CTDP R/L 2020K16	20	20	11,0	125	30,0	-	-	-	0,0	5,0	**TP..160308**	**SM841**	**MS111**	2,0	**CKM10**	**STCM8**	4,0
CTDP R/L 2525M16	25	25	16,0	150	30,0	-	-	-	0,0	5,0	**TP..160308**	**SM841**	**MS111**	2,0	**CKM9**	**STCM4**	4,0
									λS°	γO°							
CTEP R/L 2020K16	20	20	13,0	125	32,0	7,7	-	-	0,0	5,0	**TP..160308**	**SM841**	**MS111**	2,0	**CKM10**	**STCM8**	4,0

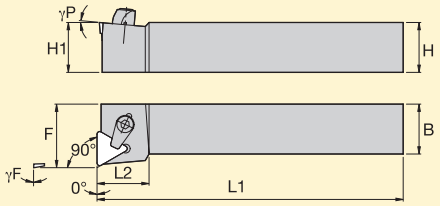
Bestellbeispiel:
CTCPN1010E11

KENDEX Klemmhalter

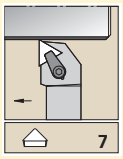
KENDEX positive Wendeschneidplatten

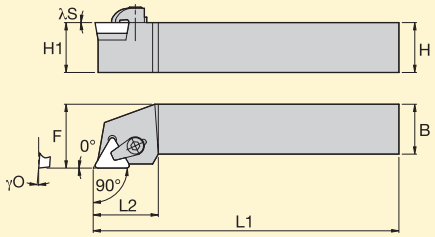
CTFP 90°





CTGP 90°

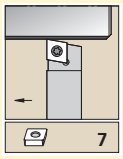


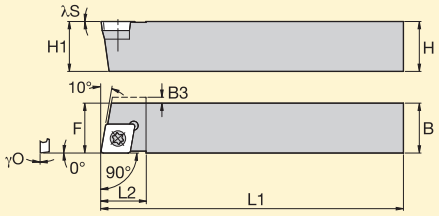


Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	CD	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
CTFP R/L 1616H11	16	16	20,0	100	20,0	-	-	-	0,0	5,0	**TP..110304**	**SM819**	**MS960**	-	**CKM19**	**STCM9**	2,5
CTFP R/L 2020K11	20	20	25,0	125	20,0	-	-	-	0,0	5,0	**TP..110304**	**SM819**	**MS960**	-	**CKM19**	**STCM9**	2,5
CTFP R/L 2020K16	20	20	25,0	125	29,0	-	-	-	0,0	5,0	**TP..160308**	**SM841**	**MS111**	2,0	**CKM10**	**STCM8**	4,0
CTFP R/L 2525M16	25	25	32,0	150	29,0	-	-	-	0,0	5,0	**TP..160308**	**SM841**	**MS111**	2,0	**CKM9**	**STCM4**	4,0
									λS°	γO°							
CTGP R/L 1212F11	12	12	16,0	80	20,0	-	-	-	0,0	5,0	**TP..110304**	**SM819**	**MS960**	-	**CKM19**	**STCM9**	2,5
CTGP R/L 1616H11	16	16	20,0	100	20,0	-	-	-	0,0	5,0	**TP..110304**	**SM819**	**MS960**	-	**CKM19**	**STCM9**	2,5
CTGP R/L 2020K11	20	20	25,0	125	20,0	-	-	-	0,0	5,0	**TP..110304**	**SM819**	**MS960**	-	**CKM19**	**STCM9**	2,5
CTGP R/L 2020K16	20	20	25,0	125	26,0	-	-	-	0,0	5,0	**TP..160308**	**SM841**	**MS111**	2,0	**CKM10**	**STCM8**	4,0
CTGP R/L 2525M16	25	25	32,0	150	26,0	-	-	-	0,0	5,0	**TP..160308**	**SM841**	**MS111**	2,0	**CKM9**	**STCM4**	4,0
CTGP R/L 2525M22	25	25	32,0	150	30,0	-	-	-	0,0	5,0	**TP..220408**	**SM837**	**MS125**	2,5	**CKM9**	**STCM4**	4,0

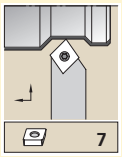
Bestellbeispiel:
Rechts: **CTFPR1616H11** 
Links: **CTFPR1616H11** 

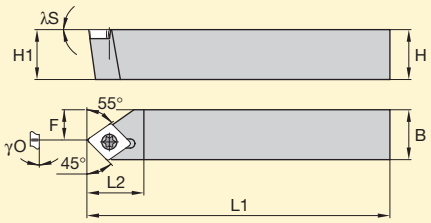
SCAC 90°





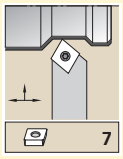
SCDP 45°

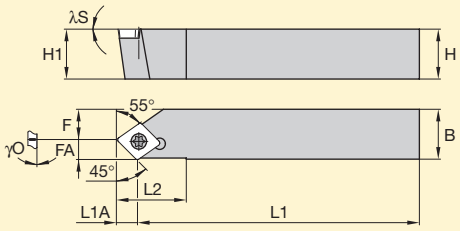




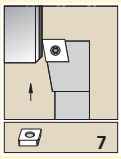
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SCAC R/L 0808M06Q	8	8	8,0	150	12,0	-	-	1,5	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCAC R/L 1010M06Q	10	10	10,0	150	11,0	-	-	-	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCAC R/L 1212M06Q	12	12	12,0	150	11,0	-	-	-	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCAC R/L 1216F09Q	12	16	16,0	82	16,0	-	-	-	-	0,0	0,0	**CC..09T308**	-	-	-	**MS1155**	T15
SCAC R/L 1616K09Q	16	16	16,0	125	16,0	-	-	-	-	0,0	0,0	**CC..09T308**	**SKCP343**	**SRS3**	3,5	**MS1156**	T15
										λS°	γO°						
SCDP R/L 1212H06	12	12	7,0	100	14,0	-	-	-	-	0,0	0,0	**CP..060203**	-	-	-	**MS1153**	T7

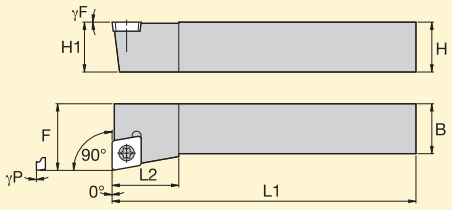
SCEP 60°





SCFC 90°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SCEP R/L 1010H06	10	10	6,5	100	12,0	-	-	-	-	0,0	0,0	**CP..060203**	-	-	-	**MS1153**	T7
SCEP R/L 1212H06	12	12	8,5	100	12,0	-	-	-	-	0,0	0,0	**CP..060203**	-	-	-	**MS1153**	T7
										γP°	γF°						
SCFC R/L 1010M06	10	10	12,0	150	11,0	-	-	-	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCFC R/L 1212N09	12	12	16,0	160	16,0	-	-	-	-	0,0	0,0	**CC..09T308**	-	-	-	**MS1155**	T15

Bestellbeispiel:
Rechts: **SCACR0808M06Q**



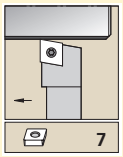
Links: **SCACL0808M06Q**

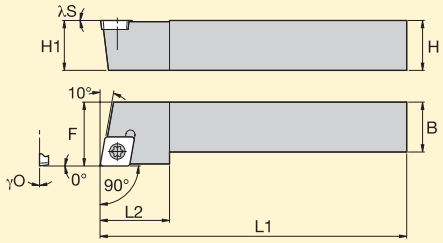


SCREW-ON Klemmhalter

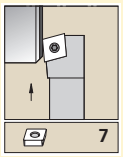
SCREW-ON Wendeschneidplatten

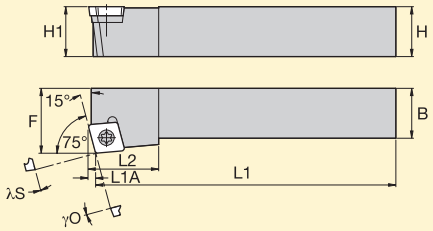
SCGC 90°





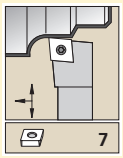
SCKC 75°

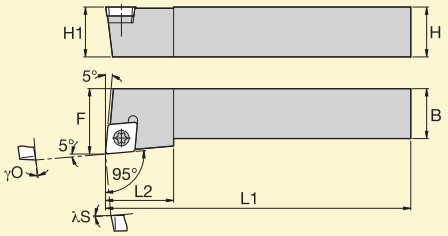




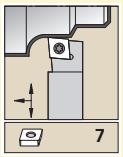
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SCGC R/L 0808L06	8	8	10,0	140	11,0	-	-	-	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCGC R/L 1010M06	10	10	12,0	150	11,0	-	-	-	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCGC R/L 1212N09	12	12	16,0	160	16,0	-	-	-	-	0,0	0,0	**CC..09T308**	-	-	-	**MS1155**	T15
										λS°	γO°						
SCKC R/L 0808L06	8	8	10,0	140	11,0	-	1,6	-	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCKC R/L 1010M06	10	10	12,0	150	11,0	-	1,6	-	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCKC R/L 1212N09	12	12	16,0	160	16,0	-	2,3	-	-	0,0	0,0	**CC..09T308**	-	-	-	**MS1155**	T15
SCKC R/L 1616H09	16	16	20,0	100	16,0	-	2,3	-	-	0,0	0,0	**CC..09T308**	**SKCP343**	**SRS3**	3,5	**MS1156**	T15
SCKC R/L 2020K09	20	20	25,0	125	16,0	-	2,3	-	-	0,0	0,0	**CC..09T308**	**SKCP343**	**SRS3**	3,5	**MS1156**	T15

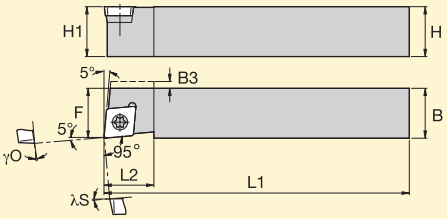
SCLC 95°





SCLC-F 95°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SCLC R/L 0808L06	8	8	10,0	140	11,0	-	-	-	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCLC R/L 1010M06	10	10	12,0	150	12,0	-	-	-	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCLC R/L 1212N09	12	12	16,0	160	16,0	-	-	-	-	0,0	0,0	**CC..09T308**	-	-	-	**MS1155**	T15
SCLC R/L 1616H09	16	16	20,0	100	16,0	-	-	-	-	0,0	0,0	**CC..09T308**	**SKCP343**	**SRS3**	3,5	**MS1156**	T15
SCLC R/L 2020K09	20	20	25,0	125	16,0	-	-	-	-	0,0	0,0	**CC..09T308**	**SKCP343**	**SRS3**	3,5	**MS1156**	T15
SCLC R/L 2525M09	25	25	32,0	150	16,0	-	-	-	-	0,0	0,0	**CC..09T308**	**SKCP343**	**SRS3**	3,5	**MS1156**	T15
SCLC R/L 2020K12	20	20	25,0	125	20,0	-	-	-	-	0,0	0,0	**CC..120408**	**SKCP453**	**SRS4**	4,0	**MS1158**	T15
SCLC R/L 2525M12	25	25	32,0	150	19,8	-	-	-	-	0,0	0,0	**CC..120408**	**SKCP453**	**SRS4**	4,0	**MS1158**	T15
										λS°	γO°						
SCLC R/L F0808M06Q	8	8	8,0	150	12,0	-	-	1,5	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCLC R/L F1010M06Q	10	10	10,0	150	11,0	-	-	-	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCLC R/L F1212M06Q	12	12	12,0	150	11,0	-	-	-	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCLC R/L F1616K09Q	16	16	16,0	125	16,0	-	-	-	-	0,0	0,0	**CC..09T308**	**SKCP343**	**SRS3**	3,5	**MS1156**	T15

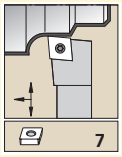
Bestellbeispiel:
Rechts: **SCLCR0808L06**

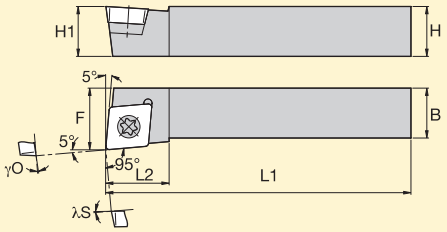


Links: **SCLCL0808L06**

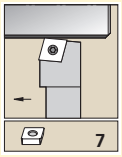


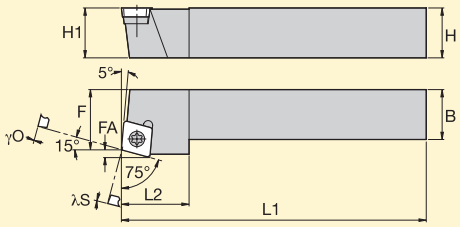
SCLP 95°





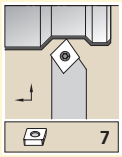
SCRC 75°

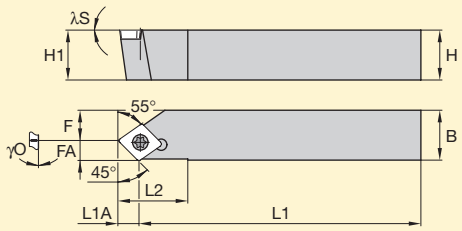




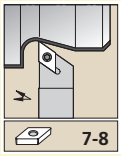
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SCLP R/L 0808M06	8	8	9,0	150	11,4	-	-	-	-	0,0	0,0	**CP..060203**	-	-	-	**MS1153**	T7
SCLP R/L 1010M06	10	10	11,0	150	11,4	-	-	-	-	0,0	0,0	**CP..060203**	-	-	-	**MS1153**	T7
SCLP R/L 1212M06	12	12	13,0	150	11,4	-	-	-	-	0,0	0,0	**CP..060203**	-	-	-	**MS1153**	T7
										λS°	γO°						
SCRC R/L 0808L06	8	8	9,0	140	12,0	1,6	-	-	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCRC R/L 1010M06	10	10	11,0	150	12,0	1,6	-	-	-	0,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
SCRC R/L 1212N09	12	12	13,0	160	14,0	2,3	-	-	-	0,0	0,0	**CC..09T308**	-	-	-	**MS1155**	T15
SCRC R/L 1616H09	16	16	17,0	100	14,0	2,3	-	-	-	0,0	0,0	**CC..09T308**	**SKCP343**	**SRS3**	3,5	**MS1156**	T15
SCRC R/L 2525M12	25	25	27,0	150	18,0	3,1	-	-	-	0,0	0,0	**CC..120408**	**SKCP453**	**SRS4**	4,0	**MS1158**	T15

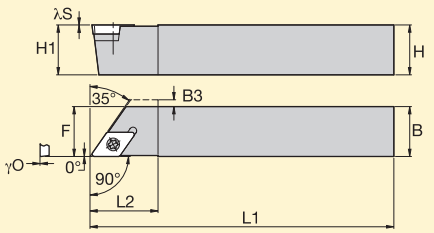
SCSP 45°





SDAC 90°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SCSP R/L 1010H06	10	10	6,0	100	14,0	4,2	4,2	-	-	0,0	0, 0	**CP..060203**	-	-	-	**MS1153**	T7
										λS°	γO°						
SDAC R/L 0808M07Q	8	8	8,0	150	16,0	-	-	1,5	-	0,0	0,0	**DC..070204**	-	-	-	**MS1153**	T7
SDAC R/L 1010M07Q	10	10	10,0	150	16,0	-	-	-	-	0,0	0,0	**DC..070204**	-	-	-	**MS1153**	T7
SDAC R/L 1212M07Q	12	12	12,0	150	16,0	-	-	-	-	0,0	0,0	**DC..070204**	-	-	-	**MS1153**	T7
SDAC R/L 1212M11Q	12	12	12,0	150	22,0	-	-	1,5	-	0,0	0,0	**DC..11T308**	-	-	-	**MS1155**	T15
SDAC R/L 1616K11Q	16	16	16,0	125	22,0	-	-	-	-	0,0	0,0	**DC..11T308**	**SKDP343**	**SRS3**	3,5	**MS1156**	T15

Bestellbeispiel:
Rechts: **SCLPR0808M06**



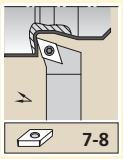
Links: **SCLPL0808M06**

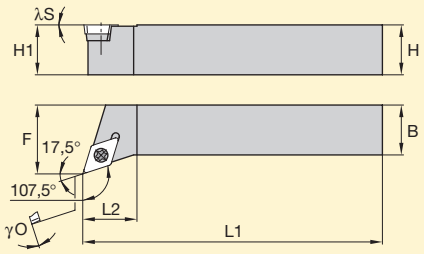


SCREW-ON Klemmhalter

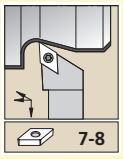
SCREW-ON Wendeschneidplatten

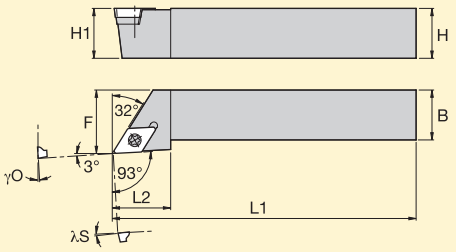
SDHC 107,5°





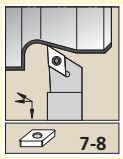
SDJC 93°

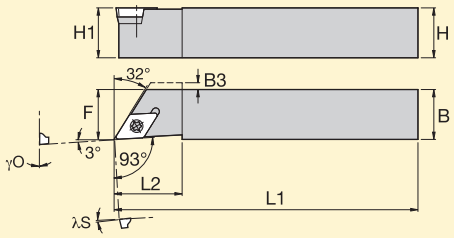




Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SDHC R/L 1616H11	16	16	20,0	100	20,0	-	-	-	-	0,0	0,0	**DC..11T308**	**SKDP343**	**SRS3**	3,5	**MS1156**	T15
SDHC R/L 2020K11	20	20	25,0	125	20,0	-	-	-	-	0,0	0,0	**DC..11T308**	**SKDP343**	**SRS3**	3,5	**MS1156**	T15
SDHC R/L 2525M11	25	25	32,0	150	20,0	-	-	-	-	0,0	0,0	**DC..11T308**	**SKDP343**	**SRS3**	3,5	**MS1156**	T15
SDHC R/L 2020K15	20	20	25,0	125	25,0	-	-	-	-	0,0	0,0	**DC..150408**	**SKDP453**	**SRS4**	4,0	**MS1158**	T15
SDHC R/L 2525M15	25	25	32,0	150	25,0	-	-	-	-	0,0	0,0	**DC..150408**	**SKDP453**	**SRS4**	4,0	**MS1158**	T15
										λS°	γO°						
SDJC R/L 0808L07	8	8	10,0	140	16,0	-	-	-	-	0,0	0,0	**DC..070204**	-	-	-	**MS1153**	T7
SDJC R/L 1010M07	10	10	12,0	150	16,0	-	-	-	-	0,0	0,0	**DC..070204**	-	-	-	**MS1153**	T7
SDJC R/L 1212N07	12	12	16,0	160	16,0	-	-	-	-	0,0	0,0	**DC..070204**	-	-	-	**MS1153**	T7
SDJC R/L 1616H07	16	16	20,0	100	16,0	-	-	-	-	0,0	0,0	**DC..070204**	-	-	-	**MS1153**	T7
SDJC R/L 2020K07	20	20	25,0	125	16,0	-	-	-	-	0,0	0,0	**DC..070204**	-	-	-	**MS1153**	T7
SDJC R/L 1212N11	12	12	16,0	160	22,0	-	-	-	-	0,0	0,0	**DC..11T308**	-	-	-	**MS1155**	T15
SDJC R/L 1616H11	16	16	20,0	100	22,0	-	-	-	-	0,0	0,0	**DC..11T308**	**SKDP343**	**SRS3**	3,5	**MS1156**	T15
SDJC R/L 2020K11	20	20	25,0	125	22,0	-	-	-	-	0,0	0,0	**DC..11T308**	**SKDP343**	**SRS3**	3,5	**MS1156**	T15
SDJC R/L 2525M11	25	25	32,0	150	22,0	-	-	-	-	0,0	0,0	**DC..11T308**	**SKDP343**	**SRS3**	3,5	**MS1156**	T15
SDJC R/L 2020K15	20	20	25,0	125	32,0	-	-	-	-	0,0	0,0	**DC..150408**	**SKDP453**	**SRS4**	4,0	**MS1158**	T15
SDJC R/L 2525M15	25	25	32,0	150	32,0	-	-	-	-	0,0	0,0	**DC..150408**	**SKDP453**	**SRS4**	4,0	**MS1158**	T15

SDJC-F 93°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SDJC R/L F0808M07Q	8	8	8,0	150	16,0	-	-	1,5	-	0,0	0,0	**DC..070204**	-	-	-	**MS1153**	T7
SDJC R/L F1010M07Q	10	10	10,0	150	16,0	-	-	-	-	0,0	0,0	**DC..070204**	-	-	-	**MS1153**	T7
SDJC R/L F1212M07Q	12	12	12,0	150	16,0	-	-	-	-	0,0	0,0	**DC..070204**	-	-	-	**MS1153**	T7
SDJC R/L F1616K11Q	16	16	16,0	125	22,0	-	-	-	-	0,0	0,0	**DC..11T308**	**SKDP343**	**SRS3**	3,5	**MS1156**	T15

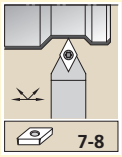
Bestellbeispiel:
Rechts: **SDHCR1616H11**

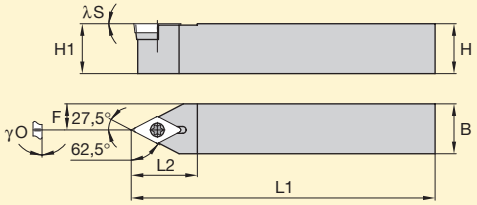


Links: **SDHCL1616H11**

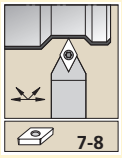


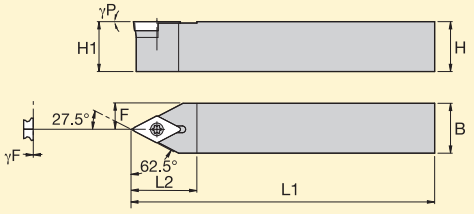
SDNC 62,5°





SDPC 62,5°

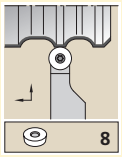


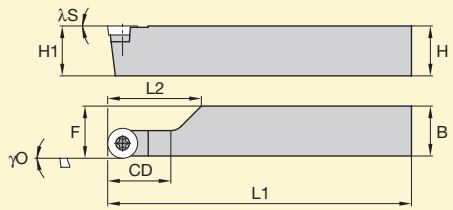


Katalognummer	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SDNCN0808L07	8	8	4,0	140	16,0	-	-	-	-	0,0	0,0	**DC..070204**	**-**	**-**	-	**MS1153**	T7
SDNCN1010M07	10	10	5,0	150	16,0	-	-	-	-	0,0	0,0	**DC..070204**	**-**	**-**	-	**MS1153**	T7
SDNCN1212N07	12	12	6,0	160	16,0	-	-	-	-	0,0	0,0	**DC..070204**	**-**	**-**	-	**MS1153**	T7
SDNCN1616H11	16	16	8,0	100	22,0	-	-	-	-	0,0	0,0	**DC..11T308**	**SKDP343**	**SRS3**	3,5	**MS1156**	T15
SDNCN2020K11	20	20	10,0	125	22,0	-	-	-	-	0,0	0,0	**DC..11T308**	**SKDP343**	**SRS3**	3,5	**MS1156**	T15
SDNCN2020K15	20	20	10,0	125	28,0	-	-	-	-	0,0	0,0	**DC..150408**	**SKDP453**	**SRS4**	4,0	**MS1158**	T15
SDNCN2525M15	25	25	12,5	150	28,0	-	-	-	-	0,0	0,0	**DC..150408**	**SKDP453**	**SRS4**	4,0	**MS1158**	T15

Katalognummer	H = H1	B	F	L1	L2	FA	L1A	B3	CD	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SDPCN1010M07Q	10	10	5,0	150	16,0	-	-	-	-	0,0	0,0	**DC..070204**	**-**	**-**	-	**MS1153**	T7
SDPCN1212M07Q	12	12	6,0	150	16,0	-	-	-	-	0,0	0,0	**DC..070204**	**-**	**-**	-	**MS1153**	T7
SDPCN1212M11Q	12	12	6,0	150	22,0	-	-	-	-	0,0	0,0	**DC..11T308**	**-**	**-**	-	**MS1155**	T15
SDPCN1616K11Q	16	16	8,0	125	22,0	-	-	-	-	0,0	0,0	**DC..11T308**	**SKDP343**	**SRS3**	3,5	**MS1156**	T15

SRAC





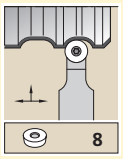
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SRAC R/L 0808L06	8	8	9,0	140	27,0	-	-	-	8,0	0,0	0,0	**RC..0602M0**	**-**	**-**	-	**MS1153**	T7
SRAC R/L 1010M06	10	10	11,0	150	29,0	-	-	-	10,0	0,0	0,0	**RC..0602M0**	**-**	**-**	-	**MS1153**	T7
SRAC R/L 1212N08	12	12	13,0	160	31,0	-	-	-	12,0	0,0	0,0	**RC..0803M0**	**-**	**-**	-	**MS1154**	T9
SRAC R/L 1616Q08	16	16	17,0	180	35,0	-	-	-	16,0	0,0	0,0	**RC..0803M0**	**-**	**-**	-	**MS1154**	T9

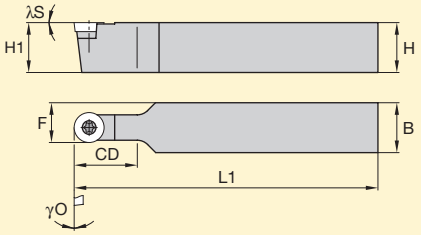
Bestellbeispiel:
SDNCN0808L07

SCREW-ON Klemmhalter

SCREW-ON Wendeschneidplatten

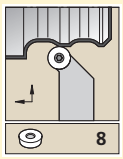
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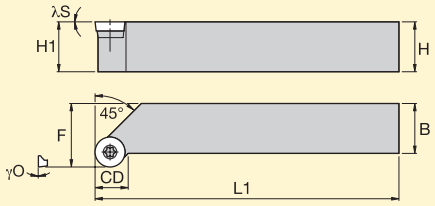




Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SRDCN0808L06	8	8	7,0	140	-	-	-	-	8,0	0,0	0,0	**RC..0602M0**	-	-	-	**MS1153**	T7
SRDCN1010M06	10	10	8,0	150	-	-	-	-	10,0	0,0	0,0	**RC..0602M0**	-	-	-	**MS1153**	T7
SRDCN1212N06	12	12	9,0	160	-	-	-	-	12,0	0,0	0,0	**RC..0602M0**	-	-	-	**MS1153**	T7
SRDCN1616H06	16	16	11,0	100	-	-	-	-	16,0	0,0	0,0	**RC..0602M0**	-	-	-	**MS1153**	T7
SRDCN1212N08	12	12	10,0	160	-	-	-	-	12,0	0,0	0,0	**RC..0803M0**	-	-	-	**MS1154**	T9
SRDCN1616H08	16	16	12,0	100	-	-	-	-	16,0	0,0	0,0	**RC..0803M0**	-	-	-	**MS1154**	T9
SRDCN1616Q08	16	16	12,0	180	-	-	-	-	16,0	0,0	0,0	**RC..0803M0**	-	-	-	**MS1154**	T9
SRDCN2020K08	20	20	14,0	125	-	-	-	-	20,0	0,0	0,0	**RC..0803M0**	-	-	-	**MS1154**	T9
SRDCN2525M08	25	25	16,5	150	-	-	-	-	25,0	0,0	0,0	**RC..0803M0**	-	-	-	**MS1154**	T9
SRDCN1616H10	16	16	13,0	100	-	-	-	-	16,0	0,0	0,0	**RC..10T3M0**	**SKRN100300**	**SRS3**	3,5	**MS1156**	T15
SRDCN2020K10	20	20	15,0	125	-	-	-	-	20,0	0,0	0,0	**RC..10T3M0**	**SKRN100300**	**SRS3**	3,5	**MS1156**	T15
SRDCN2525M10	25	25	17,5	150	-	-	-	-	25,0	0,0	0,0	**RC..10T3M0**	**SKRN100300**	**SRS3**	3,5	**MS1156**	T15
SRDCN2020K12	20	20	16,0	125	-	-	-	-	20,0	0,0	0,0	**RC..1204M0**	**SKRN120300**	**SRS3**	3,5	**MS1156**	T15
SRDCN2525M12	25	25	18,5	150	-	-	-	-	25,0	0,0	0,0	**RC..1204M0**	**SKRN120300**	**SRS3**	3,5	**MS1156**	T15
SRDCN2525M16	25	25	20,5	150	-	-	-	-	25,0	0,0	0,0	**RC..1606M0**	**SKRN160400**	**SRS5**	5,0	**MS1160**	T20

SRGC

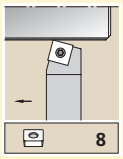


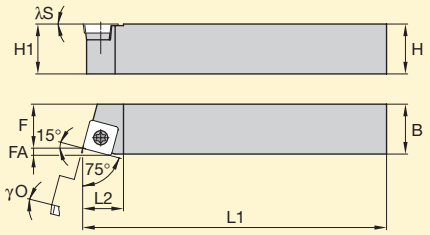


Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SRGC R/L 1212N06	12	12	16,0	160	-	-	-	-	7,0	0,0	0,0	**RC..0602M0**	-	-	-	**MS1153**	T7
SRGC R/L 1616H06	16	16	20,0	100	-	-	-	-	7,0	0,0	0,0	**RC..0602M0**	-	-	-	**MS1153**	T7
SRGC R/L 2020K08	20	20	25,0	125	-	-	-	-	9,0	0,0	0,0	**RC..0803M0**	-	-	-	**MS1154**	T9
SRGC R/L 2525M08	25	25	32,0	150	-	-	-	-	11,8	0,0	0,0	**RC..0803M0**	-	-	-	**MS1154**	T9
SRGC R/L 1616H10	16	16	20,0	100	-	-	-	-	7,9	0,0	0,0	**RC..10T3M0**	**SKRN100300**	**SRS3**	3,5	**MS1156**	T15
SRGC R/L 2020K10	20	20	25,0	125	-	-	-	-	9,3	0,0	0,0	**RC..10T3M0**	**SKRN100300**	**SRS3**	3,5	**MS1156**	T15
SRGC R/L 2525M10	25	25	32,0	150	-	-	-	-	12,1	0,0	0,0	**RC..10T3M0**	**SKRN100300**	**SRS3**	3,5	**MS1156**	T15
SRGC R/L 2525M12	25	25	32,0	150	-	-	-	-	12,7	0,0	0,0	**RC..1204M0**	**SKRN120300**	**SRS3**	3,5	**MS1156**	T15

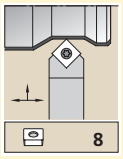
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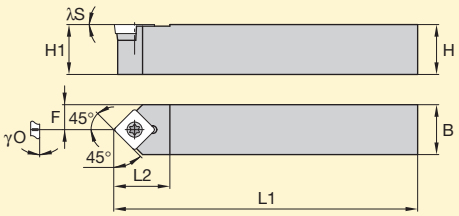
SSBC 75°





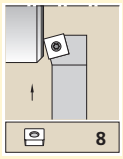
SSDC 45°

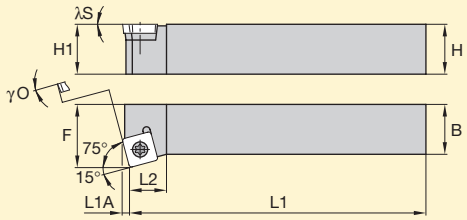




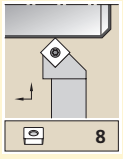
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SSBC R/L 1212N09	12	12	11,0	160	16,0	2,2	-	-	-	0,0	0,0	**SC..09T308**	**-**	**-**	-	**MS1155**	T15
SSBC R/L 1616H09	16	16	13,0	100	16,0	2,2	-	-	-	0,0	0,0	**SC..09T308**	**SKSP343**	**SRS3**	3,5	**MS1156**	T15
SSBC R/L 2020K09	20	20	17,0	125	17,0	2,2	-	-	-	0,0	0,0	**SC..09T308**	**SKSP343**	**SRS3**	3,5	**MS1156**	T15
SSBC R/L 2020K12	20	20	17,0	125	21,0	3,1	-	-	-	0,0	0,0	**SC..120408**	**SKSP453**	**SRS4**	4,0	**MS1158**	T15
SSBC R/L 2525M12	25	25	22,0	150	21,0	3,1	-	-	-	0,0	0,0	**SC..120408**	**SKSP453**	**SRS4**	4,0	**MS1158**	T15
										λS°	γO°						
SSDCN1212N09	12	12	6,0	160	18,0	-	-	-	-	0,0	0,0	**SC..09T308**	**-**	**-**	-	**MS1155**	T15
SSDCN1616H09	16	16	8,0	100	18,0	-	-	-	-	0,0	0,0	**SC..09T308**	**SKSP343**	**SRS3**	3,5	**MS1156**	T15
SSDCN2020K09	20	20	10,0	125	18,0	-	-	-	-	0,0	0,0	**SC..09T308**	**SKSP343**	**SRS3**	3,5	**MS1156**	T15

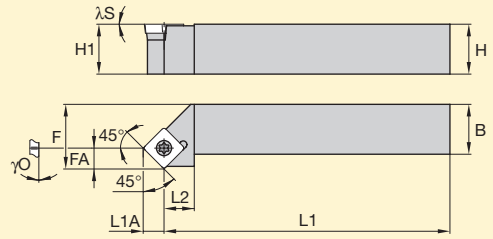
SSKC 75°





SSSC 45°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SSKC R/L 1212N09	12	12	16,0	160	16,0	-	2,2	-	-	0,0	0,0	**SC..09T308**	**-**	**-**	-	**MS1155**	T15
SSKCR1616H09	16	16	20,0	100	16,0	-	2,2	-	-	0,0	0,0	**SC..09T308**	**SKSP343**	**SRS3**	3,5	**MS1156**	T15
SSKC R/L 2020K12	20	20	25,0	125	22,0	-	3,1	-	-	0,0	0,0	**SC..120408**	**SKSP453**	**SRS4**	4,0	**MS1158**	T15
SSKC R/L 2525M12	25	25	32,0	150	22,0	-	3,1	-	-	0,0	0,0	**SC..120408**	**SKSP453**	**SRS4**	4,0	**MS1158**	T15
										λS°	γO°						
SSSC R/L 1212N09	12	12	16,0	160	18,0	6,1	6,1	-	-	0,0	0,0	**SC..09T308**	**-**	**-**	-	**MS1155**	T15
SSSC R/L 1616H09	16	16	20,0	100	18,0	6,1	6,1	-	-	0,0	0,0	**SC..09T308**	**SKSP343**	**SRS3**	3,5	**MS1156**	T15
SSSC R/L 1616H12	16	16	20,0	100	25,0	8,3	8,3	-	-	0,0	0,0	**SC..120408**	**SKSP453**	**SRS4**	4,0	**MS1158**	T15
SSSC R/L 2020K12	20	20	25,0	125	25,0	8,3	8,3	-	-	0,0	0,0	**SC..120408**	**SKSP453**	**SRS4**	4,0	**MS1158**	T15
SSSC R/L 2525M12	25	25	32,0	150	25,0	8,3	8,3	-	-	0,0	0,0	**SC..120408**	**SKSP453**	**SRS4**	4,0	**MS1158**	T15

Bestellbeispiel:
Rechts: **SSBCR1212N09**



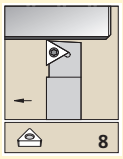
Links: **SSBCL1212N09**

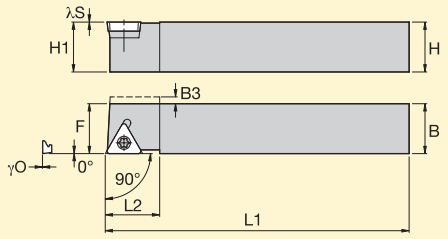


SCREW-ON Klemmhalter

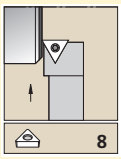
SCREW-ON Wendeschneidplatten

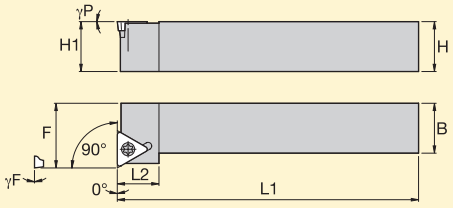
STAC 90°





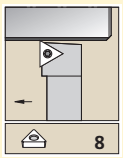
STFC 90°

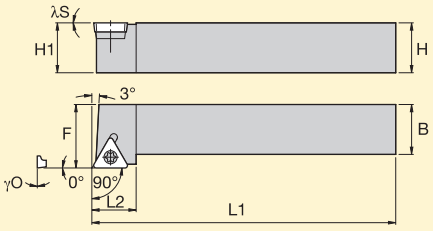




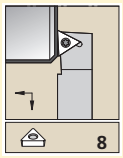
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
STAC R/L 1010M11Q	10	10	10,0	150	16,0	-	-	2,5	-	0,0	0,0	**TC..110204**	-	-	-	**MS1153**	T7
STAC R/L 1212M11Q	12	12	12,0	150	16,0	-	-	-	-	0,0	0,0	**TC..110204**	-	-	-	**MS1153**	T7
STAC R/L 1616K11Q	16	16	16,0	125	16,0	-	-	-	-	0,0	0,0	**TC..110204**	-	-	-	**MS1153**	T7
STAC R/L 1616K16Q	16	16	16,0	125	20,0	-	-	-	-	0,0	0,0	**TC..16T308**	**SKTP343**	**SRS3**	3,5	**MS1156**	T15
										γF°	γP°						
STFC R/L 1010M11	10	10	12,0	150	13,0	-	-	-	-	0,0	0,0	**TC..110204**	-	-	-	**MS1153**	T7
STFC R/L 1212N11	12	12	16,0	160	13,0	-	-	-	-	0,0	0,0	**TC..110204**	-	-	-	**MS1153**	T7
STFC R/L 1616H11	16	16	20,0	100	16,0	-	-	-	-	0,0	0,0	**TC..110204**	-	-	-	**MS1153**	T7
STFC R/L 1616H16	16	16	20,0	100	20,0	-	-	-	-	0,0	0,0	**TC..16T308**	**SKTP343**	**SRS3**	3,5	**MS1156**	T15
STFC R/L 2020K16	20	20	25,0	125	20,0	-	-	-	-	0,0	0,0	**TC..16T308**	**SKTP343**	**SRS3**	3,5	**MS1156**	T15
STFC R/L 2525M16	25	25	32,0	150	20,0	-	-	-	-	0,0	0,0	**TC..16T308**	**SKTP343**	**SRS3**	3,5	**MS1156**	T15

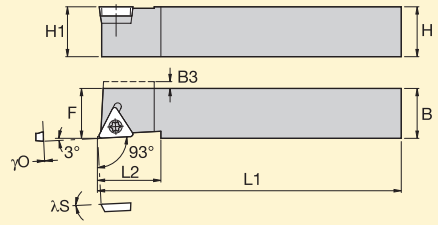
STGC 90°





STJC-F 90°

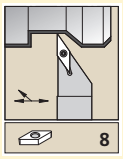


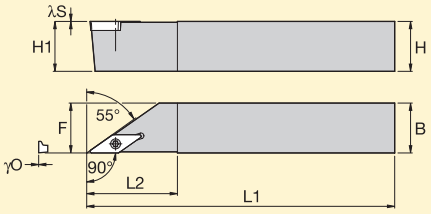


Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	γS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
STGC R/L 1010M11	10	10	12,0	150	16,0	-	-	-	-	0,0	0,0	**TC..110204**	-	-	-	**MS1153**	T7
STGC R/L 1212N11	12	12	16,0	160	16,0	-	-	-	-	0,0	0,0	**TC..110204**	-	-	-	**MS1153**	T7
STGC R/L 1616H11	16	16	20,0	100	20,0	-	-	-	-	0,0	0,0	**TC..110204**	-	-	-	**MS1153**	T7
STGC R/L 1616H16	16	16	20,0	100	20,0	-	-	-	-	0,0	0,0	**TC..16T308**	**SKTP343**	**SRS3**	3,5	**MS1156**	T15
STGC R/L 2020K16	20	20	25,0	125	20,0	-	-	-	-	0,0	0,0	**TC..16T308**	**SKTP343**	**SRS3**	3,5	**MS1156**	T15
STGC R/L 2525M16	25	25	32,0	150	20,0	-	-	-	-	0,0	0,0	**TC..16T308**	**SKTP343**	**SRS3**	3,5	**MS1156**	T15
										λS°	γO°						
STJC R/L F1010M11Q	10	10	10,0	150	16,0	-	-	2,5	-	0,0	0,0	**TC..110204**	-	-	-	**MS1153**	T7
STJC R/L F1212M11Q	12	12	12,0	150	16,0	-	-	-	-	0,0	0,0	**TC..110204**	-	-	-	**MS1153**	T7
STJC R/L F1616K11Q	16	16	16,0	125	16,0	-	-	-	-	0,0	0,0	**TC..110204**	-	-	-	**MS1153**	T7
STJC R/L F1616K16Q	16	16	16,0	125	20,0	-	-	-	-	0,0	0,0	**TC..16T308**	**SKTP343**	**SRS3**	3,5	**MS1156**	T15

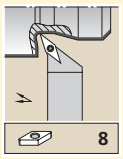
Bestellbeispiel:
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Links: **STACL1010M11Q** 

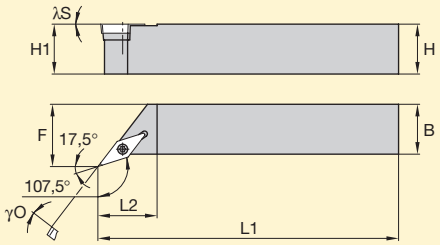
SVAB 90°





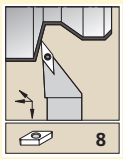
SVHB 107,5

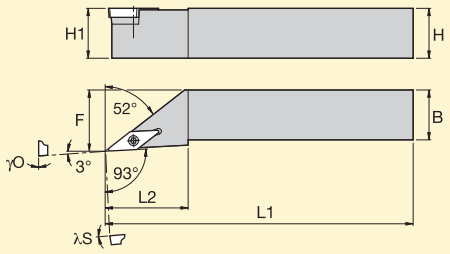




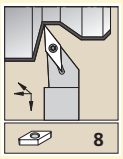
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SVAB R/L 1010M11Q	10	10	10,0	150	22,0	-	-	-	-	0,0	0,0	**VB..110304**	-	-	-	**MS1153**	T7
SVAB R/L 1212M11Q	12	12	12,0	150	22,0	-	-	-	-	0,0	0,0	**VB..110304**	-	-	-	**MS1153**	T7
SVAB R/L 1616K16Q	16	16	16,0	125	30,0	-	-	-	-	0,0	0,0	**VB..160408**	-	-	-	**MS1155**	T15
SVHB R/L 1212N11	12	12	16,0	160	19,0	-	-	-	-	0,0	0,0	**VB..110304**	-	-	-	**MS1153**	T7
SVHB R/L1616H11	16	16	20,0	100	19,0	-	-	-	-	0,0	0,0	**VB..110304**	-	-	-	**MS1153**	T7
SVHB R/L 2020K11	20	20	25,0	125	26,0	-	-	-	-	0,0	0,0	**VB..110304**	-	-	-	**MS1153**	T7
SVHB R/L 2020K16	20	20	25,0	125	28,0	-	-	-	-	0,0	0,0	**VB..160408**	**SKVN343**	**SRS3**	3,5	**MS1156**	T15
SVHB R/L 2525M16	25	25	32,0	150	28,0	-	-	-	-	0,0	0,0	**VB..160408**	**SKVN343**	**SRS3**	3,5	**MS1156**	T15

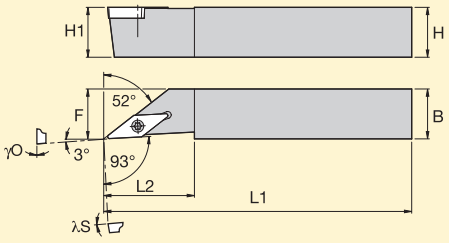
SVJB 93°





SVJB-F 93°





Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SVJB R/L 1212N11	12	12	16,0	160	22,0	-	-	-	-	0,0	0,0	**VB..110304**	-	-	-	**MS1153**	T7
SVJB R/L 1616H11	16	16	20,0	100	22,0	-	-	-	-	0,0	0,0	**VB..110304**	-	-	-	**MS1153**	T7
SVJB R/L 2020K11	20	20	25,0	125	26,0	-	-	-	-	0,0	0,0	**VB..110304**	-	-	-	**MS1153**	T7
SVJB R/L 1616H16	16	16	20,0	100	35,0	-	-	-	-	0,0	0,0	**VB..160408**	**SKVN343**	**SRS3**	3,5	**MS1156**	T15
SVJB R/L 2020K16	20	20	25,0	125	35,0	-	-	-	-	0,0	0,0	**VB..160408**	**SKVN343**	**SRS3**	3,5	**MS1156**	T15
SVJB R/L 2525M16	25	25	32,0	150	35,0	-	-	-	-	0,0	0,0	**VB..160408**	**SKVN343**	**SRS3**	3,5	**MS1156**	T15
SVJB R/L 3225P16	32	25	32,0	170	35,0	-	-	-	-	0,0	0,0	**VB..160408**	**SKVN343**	**SRS3**	3,5	**MS1156**	T15
SVJB R/L F1010M11Q	10	10	10,0	150	23,0	-	-	-	-	0,0	0,0	**VB..110304**	-	-	-	**MS1153**	T7
SVJB R/L F1212M11Q	12	12	12,0	150	23,0	-	-	-	-	0,0	0,0	**VB..110304**	-	-	-	**MS1153**	T7
SVJB R/L F1616K16Q	16	16	16,0	125	31,0	-	-	-	-	0,0	0,0	**VB..160408**	-	-	-	**MS1155**	T15

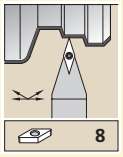
Bestellbeispiel:
Rechts: **SVABR1010M11Q** 

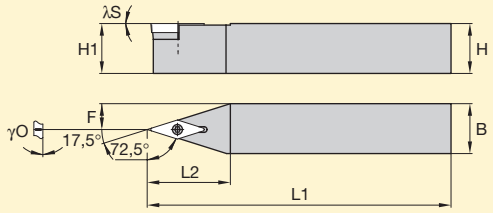
Links: **SVABL1010M11Q** 

SCREW-ON Klemmhalter

SCREW-ON Wendeschneidplatten

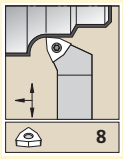
SVVB 72,5°

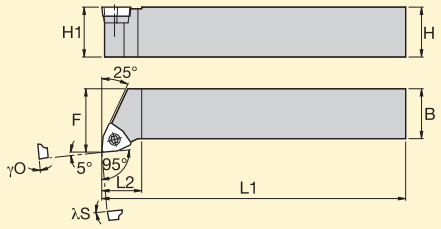




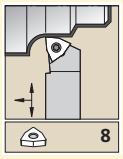
Katalognummer	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SVVBN1212N11	12	12	6,0	160	26,0	-	-	-	-	0,0	0,0	**VB..110304**	**-**	**-**	-	**MS1153**	T7
SVVBN1616H11	16	16	8,0	100	26,0	-	-	-	-	0,0	0,0	**VB..110304**	**-**	**-**	-	**MS1153**	T7
SVVBN2020K11	20	20	10,0	125	26,0	-	-	-	-	0,0	0,0	**VB..110304**	**-**	**-**	-	**MS1153**	T7
SVVBN1616H16	16	16	8,0	100	33,0	-	-	-	-	0,0	0,0	**VB..160408**	**SKVN343**	**SRS3**	3,5	**MS1156**	T15
SVVBN2020K16	20	20	10,0	125	33,0	-	-	-	-	0,0	0,0	**VB..160408**	**SKVN343**	**SRS3**	3,5	**MS1156**	T15
SVVBN2525M16	25	25	12,5	150	33,0	-	-	-	-	0,0	0,0	**VB..160408**	**SKVN343**	**SRS3**	3,5	**MS1156**	T15
SVVBN3225P16	32	25	12,5	170	33,0	-	-	-	-	0,0	0,0	**VB..160408**	**SKVN343**	**SRS3**	3,5	**MS1156**	T15

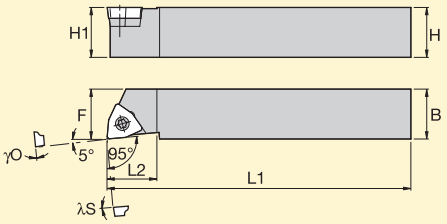
SWLC 95°





SWLC-F 95°





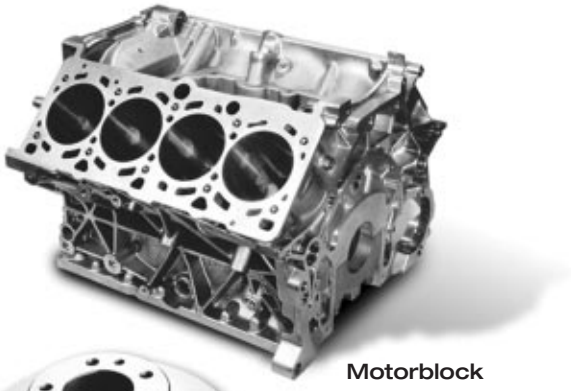
Katalognummer Rechts/Links	H = H1	B	F	L1	L2	FA	L1A	B3	CD	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Schraube für Wende-schneidplatte	Torx
SWLC R/L 0808L04	8	8	10,0	140	12,0	-	-	-	-	0,0	0,0	**WC..040204**	**-**	**-**	-	**MS1153**	T7
SWLC R/L 1010M04	10	10	12,0	150	12,0	-	-	-	-	0,0	0,0	**WC..040204**	**-**	**-**	-	**MS1153**	T7
SWLC R/L 1212N06	12	12	16,0	160	16,0	-	-	-	-	0,0	0,0	**WC..06T308**	**SKWP343**	**SRS3**	3,5	**MS1156**	T15
SWLC R/L 1616H06	16	16	20,0	100	16,0	-	-	-	-	0,0	0,0	**WC..06T308**	**SKWP343**	**SRS3**	3,5	**MS1156**	T15
SWLC R/L 2020K06	20	20	25,0	125	16,0	-	-	-	-	0,0	0,0	**WC..06T308**	**SKWP343**	**SRS3**	3,5	**MS1156**	T15
										λS°	γO°						
SWLC R/L F1010M04Q	10	10	10,0	150	12,0	-	-	-	-	0,0	0,0	**WC..040204**	**-**	**-**	-	**MS1153**	T7
SWLC R/L F1212M04Q	12	12	12,0	150	12,0	-	-	-	-	0,0	0,0	**WC..040204**	**-**	**-**	-	**MS1153**	T7
SWLC R/L F1616K04Q	16	16	16,0	125	12,0	-	-	-	-	0,0	0,0	**WC..040204**	**-**	**-**	-	**MS1153**	T7
SWLC R/L F1616K06Q	16	16	16,0	125	16,0	-	-	-	-	0,0	0,0	**WC..06T308**	**SKWP343**	**SRS3**	3,5	**MS1156**	T15

Bestellbeispiel:
SVVBN1212N11

Engineering Your Competitive Edge

FÜR DIE AUTOMOBIL-INDUSTRIE

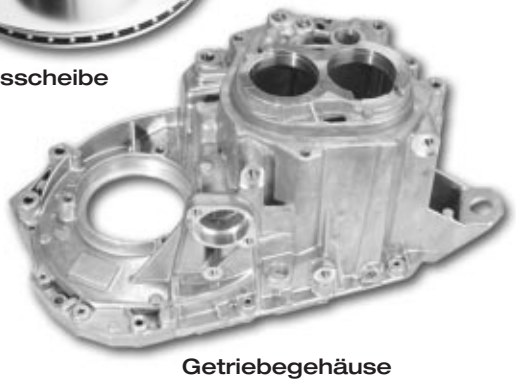




Motorblock



Bremsscheibe



Getriebegehäuse

Kennametal ermöglicht führenden Fahrzeugherstellern, die **Stückkosten** zu reduzieren.
Wir bieten **kundenspezifische Werkzeuginnovationen** und Prozessoptimierungslösungen für die Verwirklichung hoch gesteckter Produktivitätsziele – täglich, in weltweit 60 Ländern.

Kennametal Complete
Unser Komplettangebot an globalen Metallzerspanungsdienstleistungen, kundenangepassten Lösungen und Verbundpartnerschaften bietet Ihnen komplette Fertiglösungen – einschließlich Wertschöpfungsketten- und Prozessoptimierung zur Maximierung der Leistungsfähigkeit und Wirtschaftlichkeit Ihrer Systeme!



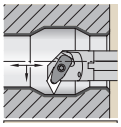
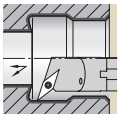
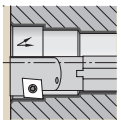
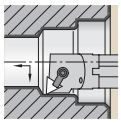
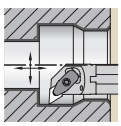
Die neue „Aerospace Solutions" CD: Fragen Sie Ihren Außendienstmitarbeiter!

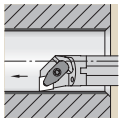
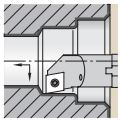
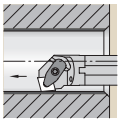
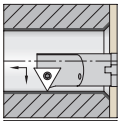
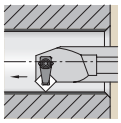
(Bestell-Nr.: A04-43)

Weitere Informationen:
Besuchen Sie uns online unter www.kennametal.com
oder fragen Sie Ihren zuständigen Außendienstmitarbeiter!

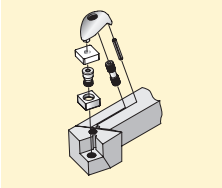
KENNAMETAL®
ENGINEERING YOUR COMPETITIVE EDGE

Bohrstangen-Auswahlhilfe

Werkzeugweg	Einstell-winkel	Spannsystem & Wendeschneid-plattenform	Bohren	Aufbohren	Profildrehen	Seite
Einstellwinkel 117,5°						
	117,5°	55° D				
		KENCLAMP	●		●	**A206**
Einstellwinkel 107,5°						
	107,5°	55° D				
		KENCLAMP	●	●	●	**A206**
		SCREW-ON	●	●		**A224, A225**
		35° V				
		SCREW-ON	●	●	●	**A230**
Einstellwinkel 95°						
	95°	80° C				
		KENLOC	●		●	**A209**
		KENCLAMP	●		●	**A206**
		**SCREW-ON**	●		●	**A222, A223**
			●	●	●	**A224**
		KENLEVER	●		●	**A208**
		MTS	●		●	**A211**
		75° E				
		MTS	●		●	**A213**
		60° T				
		SCREW-ON	●		●	**A229, A230**
		80° W				
		KENLOC	●			**A210**
		KENCLAMP	●		●	**A207**
		KENLEVER	●		●	**A208**
		SCREW-ON	●		●	**A231**
		MTS	●		●	**A216**
Einstellwinkel 93°						
	93°	55° D				
		KENLOC	●	●	●	**A209**
		KENCLAMP	●	●	●	**A206**
		**SCREW-ON**	●		●	**A225, A226**
		MTS	●		●	**A212**
		35° V				
		KENLOC	●		●	**A210**
		KENCLAMP	●	●		**A207**
		SCREW-ON	●	●	●	**A231**

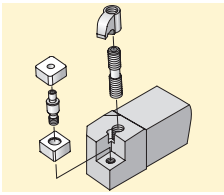
Werkzeugweg	Einstell-winkel	Spannsystem & Wendeschneid-plattenform	Bohren	Aufbohren	Profildrehen	Seite
		60° T				
		KENDEX	●		●	**A219**
		80° W				
		SCREW-ON	●		●	**A231**
Einstellwinkel 90°						
	90°	80° C				
		SCREW-ON	●		●	**A220, A221**
		60° T				
		KENLOC	●			**A210**
		KENCLAMP	●		●	**A207**
		KENLEVER	●		●	**A208**
		KENDEX	●		●	**A218**
		SCREW-ON	●			**A 226, A228**
			●			**A 227, A228**
Einstellwinkel 75°						
	75°	80° C				
		SCREW-ON	●			**A222**
		90° S				
		KENLOC	●			**A209**
		KENCLAMP	●			**A207**
		KENLEVER	●			**A208**
		KENDEX	●			**A218**
		SCREW-ON	●			**A226**
		MTS	●			**A214**
		60° T				
		KENDEX	●			**A218**
Einstellwinkel 60°						
	60°	60° T				
		SCREW-ON	●		●	**A230**
Einstellwinkel 45°						
	45°	90° S				
		MTS	●			**A215**

Spannsysteme



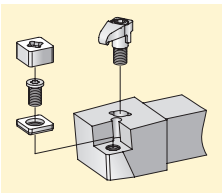
KENCLAMP

- äußerst schnelles Spannsystem
- Gewährleistet Schneidplatten-Wiederholgenauigkeit und -sitz
- Geringes Rattern und verbesserte Werkzeuglebensdauer



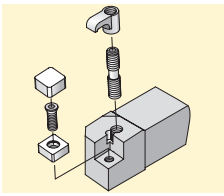
KENLOC

- Für KENLOC-Wendeschneidplatten geeignet
- Steife Befestigung durch Spannstift und oberes Spannelement
- Viele verschiedene Schneidplattenausführungen verwendbar
- Werkzeuge können mit oder ohne Spannelement verwendet werden



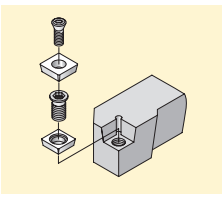
MTS

- Bewährtes System zum Spannen von Keramik-Wendeschneidplatten beim Drehen und Profildrehen
- Verwendet Standardgrößen -80°, 55°, quadratisch und dreieckig
- Dieses System bietet eine große Vielseitigkeit beim Einsatz von optionalen Teilen zum Spannen von KENDEX- und KENLOC-Wendeschneidplatten



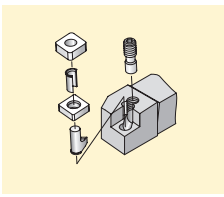
KENDEX

- Für KENDEX-Wendeschneidplatten geeignet
- Spanstufenoption für Keramik-Wendeschneidplatten
- Viele verschiedene Schneidplattenausführungen verwendbar



SCREW-ON

- Befestigung von oben mit Schraube an SCREW-ON-Wendeschneidplatten

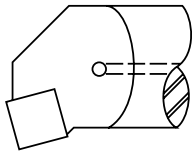
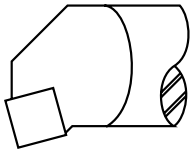
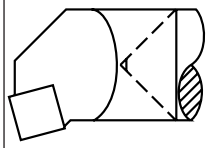
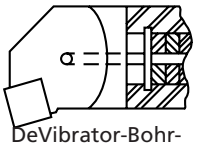
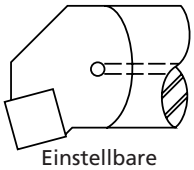
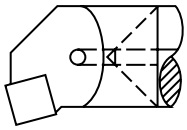
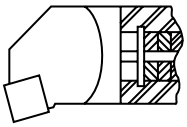
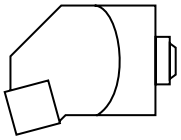
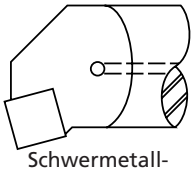


KENLEVER

- Für KENLOC Wendeschneidplatten geeignet
- Keine Befestigung von oben nötig

Kennzeichnungssystem für Bohrstangen und -köpfe

1. Bohrstangentyp

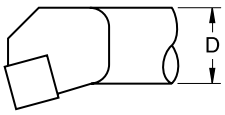
A  Stahlbohrstange mit Kühlschmierstoff	S  Stahlbohrstange ohne Kühlschmierstoff	C  Hartmetallbohrstange	D  DeVibrator-Bohr-Stange mit Kühlschmierstoff	D  Einstellbare Bohrstange mit Kühlschmierstoff
E  Hartmetallbohrstange mit Kühlschmierstoff	B  DeVibrator	H  Auswechselbarer Bohrkopf	J  Schwermetall-Bohrstange mit Kühlschmierstoff	

Beispiel:

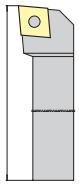
A	32	S

2. Bohrstangendurchmesser

Zweistellige Zahl, die den Bohrstangendurchmesser angibt. Ergibt sich für den Durchmesser eine einstellige Maßzahl, wird immer eine 0 (Null) vorangestellt. Beispiel: 8 mm = 08

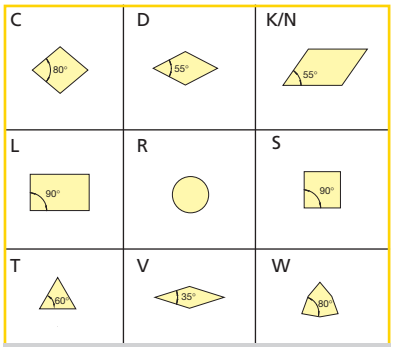


3. Bohrstangenlänge

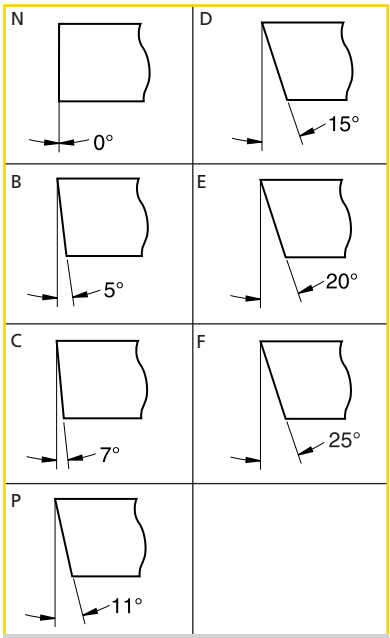


L1	ISO
32	A
40	B
50	C
60	D
70	E
80	F
90	G
100	H
110	J
125	K
140	L
150	M
160	N
170	P
180	Q
200	R
250	S
300	T
350	U
400	V
450	W
500	Y
Spezial-Länge	X

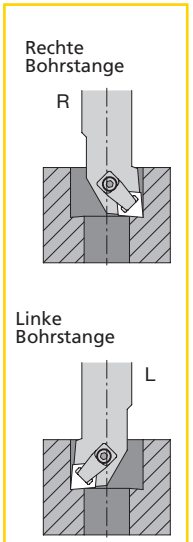
5. Form der Wendeschneidplatte



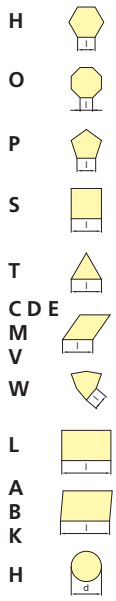
7. Normalfreiwinkel der Wendeschneidplatte



8. Richtung des Werkzeugs

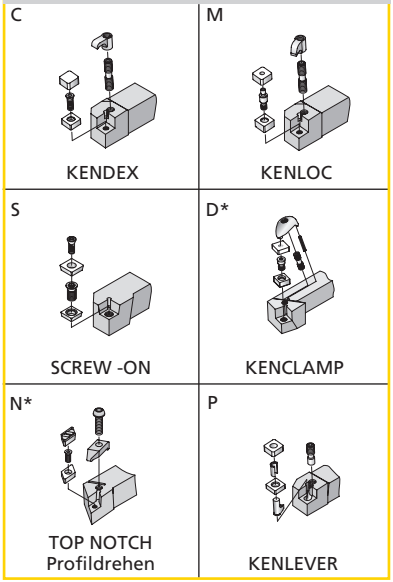


9. Wende-schneidplatten-Größe



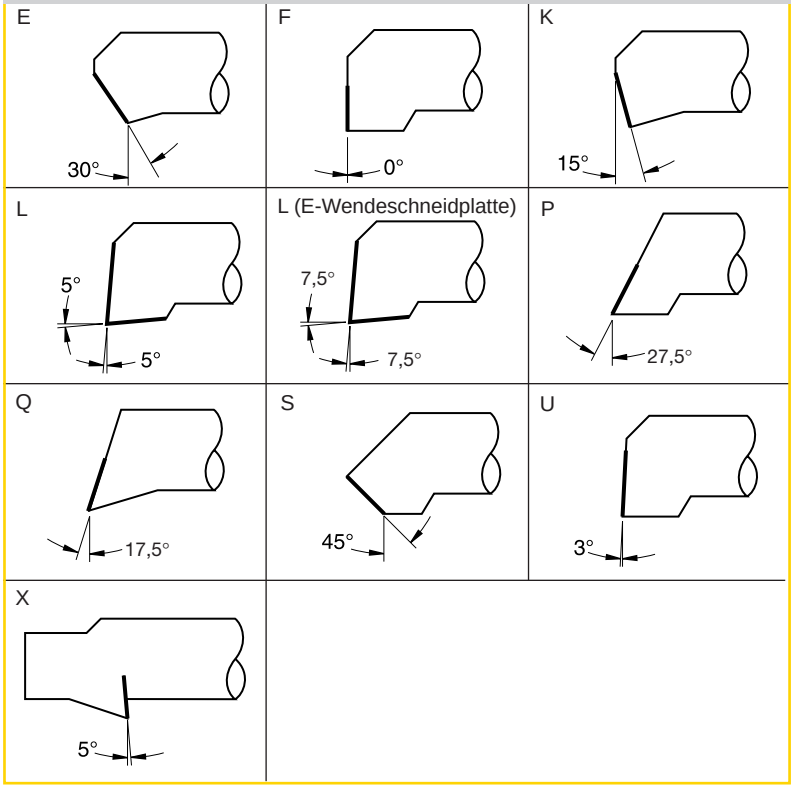
M	S	K	N	R	12

4. Art der Klemmung



*Nur Kennametal-Standard

6. Bohrstangenform oder Einstellwinkel



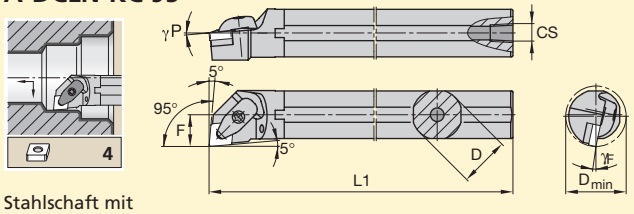
10. Zusätzliche Informationen

M..
MTS Spannsystem für Keramik- und PCBN-Wendeschneid-platten
KC
KENCLAMP
+
Wendeschneid-platten-Dicke

KENCLAMP Bohrstangen

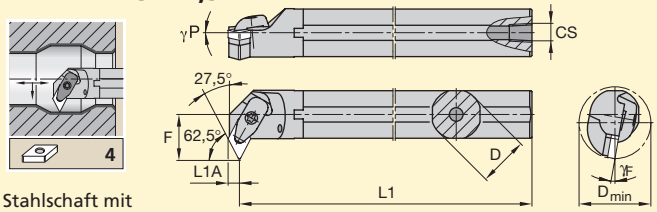
KENLOC Wendeschneidplatten

A-DCLN-KC 95°



Stahlschaft mit Innenkühlung

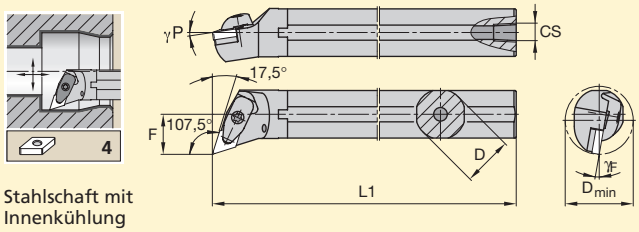
A-DDPN-KC 117,5°



Stahlschaft mit Innenkühlung

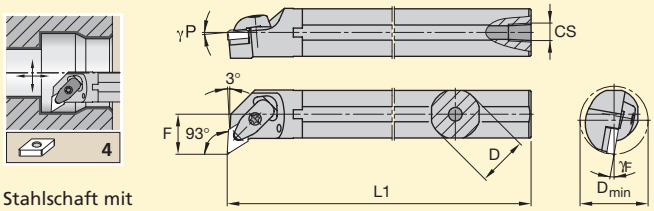
Katalognummer Rechts/Links	D	Dmin	F	L1	L1A	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Torx Plus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus
A25RDCLN R/L 12KC04	25	32	17,0	200	-	1/4-18 NPT	-12,0	-5,0	**CN..120408**	-	-	-	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A32SDCLN R/L 12KC04	32	40	22,0	250	-	1/4-18 NPT	-12,0	-5,0	**CN..120408**	**ICSN433**	**KMSP415IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A40TDCLN R/L 12KC04	40	50	27,0	300	-	1/4-18 NPT	-9,0	-5,0	**CN..120408**	**ICSN433**	**KMSP415IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A40TDCLN R/L 16KC06	40	50	27,0	300	-	1/4-18 NPT	-12,0	-5,0	**CN..160612**	**ICSN533**	**KMSP515IP**	15IP	**CM209**	**SSP025016M**	**STCM1115IP**	15IP
							γF°	γP°								
A25RDDPN R/L 11KC04	25	37	22,0	200	4,8	1/4-18 NPT	-10,0	0,0	**DN..110408**	**IDSN322**	**KMSP315IP**	15IP	**CM234**	**SSP025016M**	**STCM119IP**	15IP
A32SDDPN R/L 15KC06	32	45	27,0	250	6,5	1/4-18 NPT	-12,0	0,0	**DN..150608**	**IDSN433**	**KMSP415IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A40TDDPN R/L 15KC06	40	52	30,0	300	6,5	1/4-18 NPT	-10,0	0,0	**DN..150608**	**IDSN433**	**KMSP415IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP

A-DDNQ-KC 107,5°



Stahlschaft mit Innenkühlung

A-DDUN-KC 93°



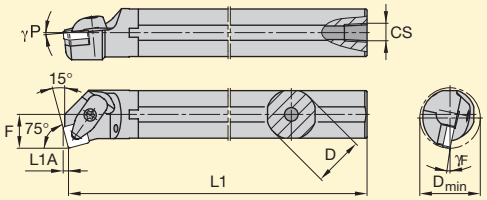
Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	F	L1	L1A	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Torx Plus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus
A25RDDQN R/L 11KC04	25	32	17,0	200	-	1/4-18 NPT	-11,0	-7,0	**DN..110408**	-	-	-	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A32SDDQN R/L 15KC06	32	40	22,0	250	-	1/4-18 NPT	-12,0	-10,0	**DN..150608**	**IDSN433**	**KMSP415IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A40TDDQN R/L 15KC06	40	50	27,0	300	-	1/4-18 NPT	-10,0	-10,0	**DN..150608**	**IDSN433**	**KMSP415IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
							γF°	γP°								
A25RDDUN R/L 11KC04	25	32	17,0	200	-	1/4-18 NPT	-12,0	-5,0	**DN..110408**	-	-	-	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A32SDDUN R/L 11KC04	32	40	22,0	250	-	1/4-18 NPT	-12,0	-5,0	**DN..110408**	**IDSN322**	**KMSP315IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A32SDDUN R/L 15KC06	32	40	22,0	250	-	1/4-18 NPT	-12,0	-6,0	**DN..150608**	**IDSN433**	**KMSP415IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A40TDDUN R/L 15KC06	40	50	27,0	300	-	1/4-18 NPT	-9,0	-5,0	**DN..150608**	**IDSN433**	**KMSP415IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A50UDDUN R/L 15KC06	50	63	35,0	350	-	1/4-18 NPT	-7,0	-5,0	**DN..150608**	**IDSN433**	**KMSP415IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP

Bestellbeispiel:
Rechts: **A25RDCLNR12KC04** 
Links: **A25RDCLNL12KC04** 

A-DSKN-KC 75°

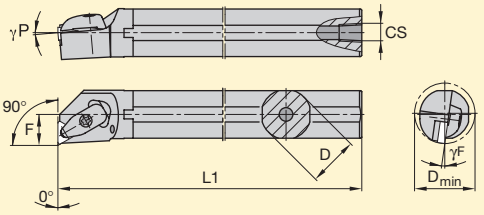




Stahlschaft mit Innenkühlung

A-DTFN-KC 90°

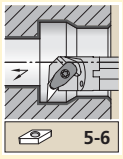


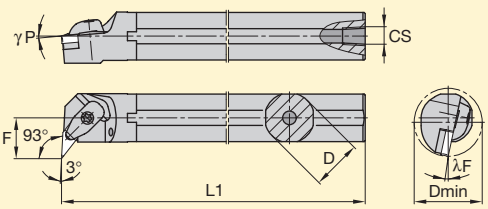


Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	F	L1	L1A	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Torx Plus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus
A25RDSKN R/L 12KC04	25	32	17,0	200	3,0	1/4-18 NPT	-13,0	-15,0	**SN..120408**	-	-	-	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A32SDSKN R/L 12KC04	32	40	22,0	250	3,0	1/4-18 NPT	-14,0	-5,0	**SN..120408**	**ISSN433**	**KMSP415IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A40TDSKN R/L 12KC04	40	50	27,0	300	3,0	1/4-18 NPT	-9,0	-5,0	**SN..120408**	**ISSN433**	**KMSP415IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A40TDSKN R/L 15KC06	40	50	27,0	300	3,7	1/4-18 NPT	-12,0	-5,0	**SN..150612**	**ISSN533**	**KMSP515IP**	15IP	**CM209**	**SSP025018M**	**STCM1115IP**	15IP
A50UDSKN R/L 19KC06	50	63	35,0	350	4,5	1/4-18 NPT	-8,0	-5,0	**SN..190612**	**ISSN633**	**KMSP625IP**	25IP	**CM210**	**SSP025018M**	**STCM425IP**	25IP
							γF°	γP°								
A25RDTFN R/L 16KC04	25	32	17,0	200	-	1/4-18 NPT	-14,0	-5,0	**TN..160408**	**ITSN323**	**KMSP315IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A32SDTFN R/L 16KC04	32	40	22,0	250	-	1/4-18 NPT	-12,0	-5,0	**TN..160408**	**ITSN323**	**KMSP315IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A40TDTFN R/L 22KC04	40	50	27,0	300	-	1/4-18 NPT	-10,0	-5,0	**TN..220408**	**ITSN433**	**KMSP415IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP

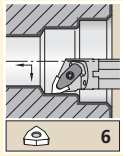
A-DVUN-KC 93°

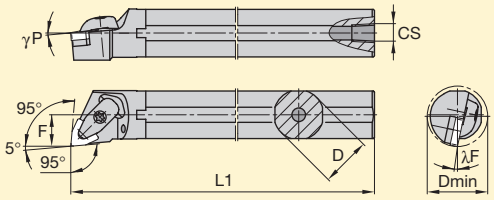




Stahlschaft mit Innenkühlung

A-DWLN-KC 95°





Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	F	L1	L1A	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Torx Plus	Spann-element	Geschlitzter Stift	Schraube für Spann-element	Torx Plus
A32SDVUN R/L 16KC04	32	42	22,0	250	-	1/4-18 NPT	-9,0	-5,0	**VN..160408**	**IVSN322**	**KMSP39IP**	9IP	**CM215**	**SSP025016M**	**STCM1115IP**	15IP
A40TDVUN R/L 16KC04	40	50	27,0	300	-	1/4-18 NPT	-8,0	-5,0	**VN..160408**	**IVSN322**	**KMSP39IP**	9IP	**CM215**	**SSP025016M**	**STCM1115IP**	15IP
							γF°	γP°								
A25RDWLN R/L 06KC04	25	32	17,0	200	-	1/4-18 NPT	-12,0	-5,0	**WN..060408**	-	-	-	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A25RDWLN R/L 08KC04	25	32	17,0	200	-	1/4-18 NPT	-12,0	-5,0	**WN..080408**	-	-	-	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A32SDWLN R/L 08KC04	32	40	22,0	250	-	1/4-18 NPT	-12,0	-5,0	**WN..080408**	**IWSN433**	**KMSP415IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP
A40TDWLN R/L 08KC04	40	50	27,0	300	-	1/4-18 NPT	-12,0	-5,0	**WN..080408**	**IWSN433**	**KMSP415IP**	15IP	**CM234**	**SSP025016M**	**STCM1115IP**	15IP

Bestellbeispiel:
Rechts: **A25RDSKNR12KC04**



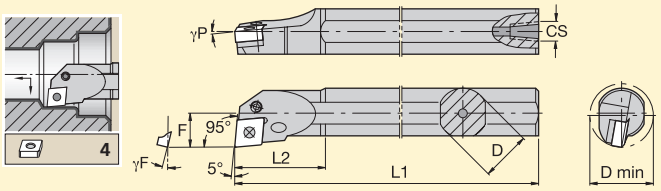
Links: **A25RDSKNL12KC04**



KENLEVER Bohrstangen

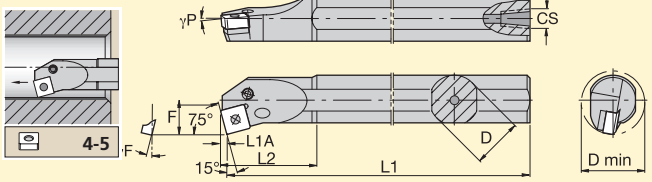
KENLOC Wendeschneidplatten

A-PCLN 95°



Stahlschaft mit Innenkühlung

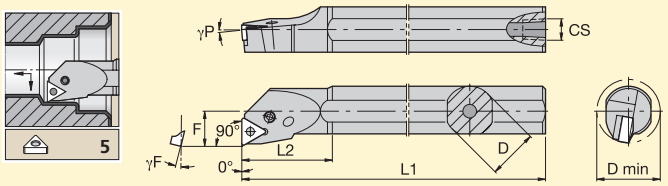
A-PSKN 75°



Stahlschaft mit Innenkühlung

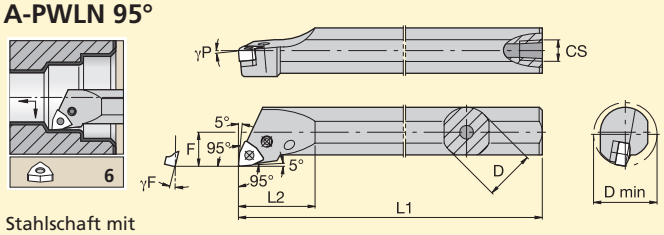
Katalognummer Rechts/Links	D	Dmin	F	L1	L2	L1A	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus
A25TPCLN R/L 12	25	32	17,0	300	40	-	1/4-18 NPT	-12,0	-5,0	**CN..120408**	-	-	-	511.022	514.122	10IP
A32UPCLN R/L 12	32	40	22,0	350	50	-	1/4-18 NPT	-10,0	-5,0	**CN..120408**	512.112	513.023	515.018	511.023	514.123	15IP
A40VPCLN R/L 12	40	50	27,0	400	55	-	1/4-18 NPT	-10,0	-5,0	**CN..120408**	512.112	513.023	515.018	511.023	514.123	15IP
A32UPCLN R/L 16	32	50	22,0	350	50	-	1/4-18 NPT	-10,0	-5,0	**CN..160612**	512.117	513.025	515.022	511.025	514.125	15IP
A40VPCLN R/L 16	40	50	27,0	400	55	-	1/4-18 NPT	-11,0	-5,0	**CN..160612**	512.117	513.025	515.022	511.025	514.125	15IP
								γF°	γP°							
A25TPSKN R/L 12	25	30	17,0	300	43	3,03	1/4-18 NPT	-10,0	-5,0	**SN..120408**	-	-	-	511.022	514.122	10IP
A32UPSKN R/L 12	32	40	22,0	350	52	3,03	1/4-18 NPT	-10,0	-5,0	**SN..120408**	512.063	513.023	515.018	511.023	514.124	15IP
A40VPSKN R/L 12	40	48	27,0	400	57	3,03	1/4-18 NPT	-10,0	-5,0	**SN..120408**	512.063	513.023	515.018	511.023	514.124	15IP

A-PTFN 90°



Stahlschaft mit Innenkühlung

A-PWLN 95°



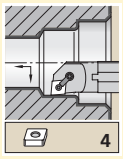
Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	F	L1	L2	L1A	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus
A16RPTFN R/L 11	16	20	11,0	200	28	-	1/8-27 NPT	-14,0	-5,0	**TN..110304**	-	-	-	511.011	514.111	8IP
A20SPTFN R/L 11	20	25	13,0	250	30	-	1/8-27 NPT	-12,0	-5,0	**TN..110304**	-	-	-	511.011	514.111	8IP
A25TPTFN R/L 16	25	32	17,0	300	40	-	1/4-18 NPT	-12,0	-5,0	**TN..160408**	512.013	513.018	515.018	511.018	514.118	10IP
A32UPTFN R/L 16	32	40	22,0	350	50	-	1/4-18 NPT	-10,0	-5,0	**TN..160408**	512.013	513.018	515.018	511.018	514.118	10IP
A40VPTFN R/L 22	40	48	27,0	400	55	-	1/4-18 NPT	-10,0	-5,0	**TN..220408**	512.023	513.023	515.018	511.023	514.123	15IP
								γF°	γP°							
A16RPWLN R/L 06	16	27	11,0	200	32	-	1/8-27 NPT	-12,0	-5,0	**WN..060404**	-	-	-	511.030	514.112	8IP
A20SPWLN R/L 06	20	25	13,0	250	32	-	1/8-27 NPT	-14,0	-5,0	**WN..060408**	-	-	-	511.030	514.112	8IP
A25RPWLN R/L 08	25	32	17,0	200	40	-	1/4-18 NPT	-12,0	-5,0	**WN..080408**	512.135	513.023	515.018	511.023	514.123	15IP
A32SPWLN R/L 08	32	40	22,0	250	50	-	1/4-18 NPT	-10,0	-5,0	**WN..080408**	512.135	513.023	515.018	511.023	514.123	15IP
A40TPWLN R/L 08	40	50	27,0	300	55	-	1/4-18 NPT	-8,0	-5,0	**WN..080408**	512.135	513.023	515.018	511.023	514.123	15IP

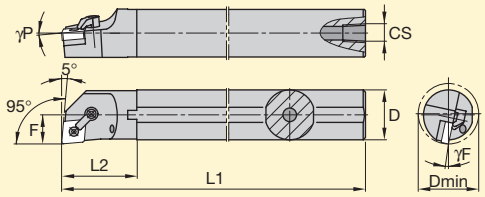
Bestellbeispiel:
Rechts: **A25TPCLNR12**

Links: **A25TPCLNL12**

A-MCLN 95°

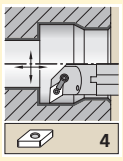


Stahlschaft mit Innenkühlung

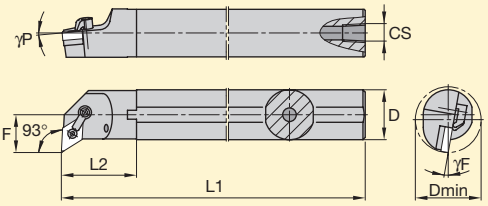


Katalognummer Rechts/Links	D	Dmin	F	L1	L2	L1A	CS	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann stift	Hex (mm)	Spannele-ment	Spann-schraube	Hex (mm)
A25RMCLN R/L 09	25	32,0	17,0	200	40	-	1/4-18 NPT	-12,0	-5,0	**CN..090308**	**-**	**KLM33**	2,0	**CKM6**	**STCM5**	2,5
A32SMCLN R/L 09	32	40,0	22,0	250	50	-	1/4-18 NPT	-12,0	-6,0	**CN..090308**	**ICSN332**	**KLM34L**	2,0	**CKM6**	**STCM5**	2,5
A25RMCLN R/L 12	25	32,0	17,0	200	33	-	1/4-18 NPT	-12,0	-5,0	**CN..120408**	**-**	**KLM43**	2,0	**CKM21**	**STCM11**	3,0
A32SMCLN R/L 12	32	40,0	22,0	250	-	-	1/4-18 NPT	-14,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM21**	**STCM11**	3,0
A40TMCLN R/L 12	40	50,0	27,0	300	-	-	1/4-18 NPT	-12,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM21**	**STCM11**	3,0
A50UMCLN R/L 12	50	63,0	35,0	350	-	-	1/4-18 NPT	-12,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM21**	**STCM11**	3,0
A40TMCLN R/L 16	40	50,0	27,0	300		-	1/4-18 NPT	-11,0	-5,0	**CN..160608**	**ICSN533**	**KLM58**	3,0	**CKM21**	**STCM20**	3,0
A50UMCLN R/L 16	50	63,0	35,0	350	-	-	1/4-18 NPT	-12,0	-5,0	**CN..160608**	**ICSN533**	**KLM58**	3,0	**CKM21**	**STCM20**	3,0
A50UMCLN R/L 19	50	63,0	35,0	350	-	-	1/4-18 NPT	-12,0	-5,0	**CN..190608**	**ICSN633**	**KLM68**	4,0	**CKM12**	**STCM4**	4,0

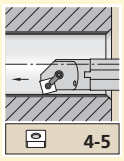
A-MDUN 93°



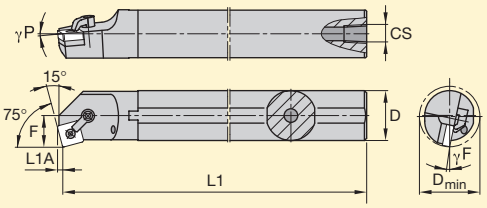
Stahlschaft mit Innenkühlung



A-MSKN 75°



Stahlschaft mit Innenkühlung



Katalognummer Rechts/Links	D	D min	F	L1	L2	L1A	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spannele-ment	Spann-schraube	Hex (mm)
A25RMDUN R/L 11	25	32,0	17,0	200	40	-	1/4-18 NPT	-14,0	-5,0	**DN..110408**	**-**	**KLM33L**	2,0	**CKM7**	**STCM5**	2,5
A32SMDUN R/L 11	32	40,0	22,0	250	50	-	1/4-18 NPT	-12,0	-5,0	**DN..110408**	**IDSN322**	**KLM34L**	2,0	**CKM7**	**STCM5**	2,5
A25RMDUN R/L 15	25	32,0	17,0	200	-	-	1/4-18 NPT	-14,0	-5,0	**DN..150608**	**IDSN322**	**KLM46**	2,5	**CKM22**	**STCM11**	3,0
A32SMDUN R/L 15	32	40,0	22,0	250	-	-	1/4-18 NPT	-12,0	-6,0	**DN..150608**	**IDSN432**	**KLM46**	2,5	**CKM22**	**STCM20**	3,0
A40TMDUN R/L 15	40	50,0	27,0	300	-	-	1/4-18 NPT	-9,0	-5,0	**DN..150608**	**IDSN432**	**KLM46**	2,5	**CKM22**	**STCM20**	3,0
A50UMDUN R/L 15	50	63,0	35,0	350	-	-	1/4-18 NPT	-7,0	-5,0	**DN..150608**	**IDSN432**	**KLM46**	2,5	**CKM22**	**STCM20**	3,0
								λS°	γO°							
A25RMSKN R/L 12	25	32,0	17,0	200	-	3,1	1/4-18 NPT	-14,0	-5,0	**SN..120408**	**-**	**KLM43**	2,0	**CKM21**	**STCM11**	3,0
A32SMSKN R/L 12	32	40,0	22,0	250	-	3,1	1/4-18 NPT	-14,0	-5,0	**SN..120408**	**ISSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3,0
A40TMSKN R/L 12	40	50,0	27,0	300	-	3,1	1/4-18 NPT	-10,0	-5,0	**SN..120408**	**ISSN432**	**KLM46**	2,5	**CKM21**	**STCM20**	3,0
A40TMSKN R/L 15	40	50,0	27,0	300	-	4,1	1/4-18 NPT	-14,0	-5,0	**SN..150608**	**ISSN432**	**KLM58**	3,0	**CKM21**	**STCM20**	3,0
A50UMSKN R/L 19	50	63,0	35,0	350	-	5,1	1/4-18 NPT	-12,0	-5,0	**SN..190608**	**ISSN633**	**KLM68**	4,0	**CKM12**	**STCM4**	4,0

Bestellbeispiel:
Rechts: **A25RMCLNR09**



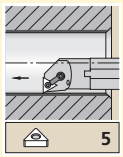
Links: **A25RMCLNL09**

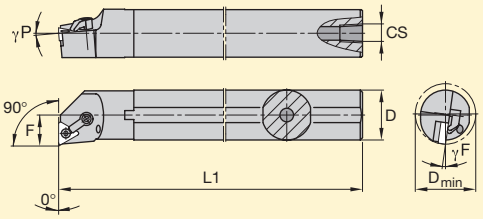


KENLOC Bohrstangen

KENLOC Wendeschneidplatten

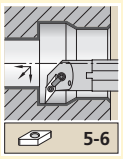
A-MTFN 90°

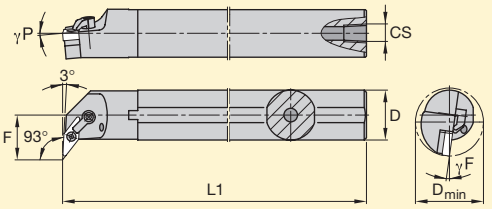




Stahlschaft mit Innenkühlung

A-MVUN 93°





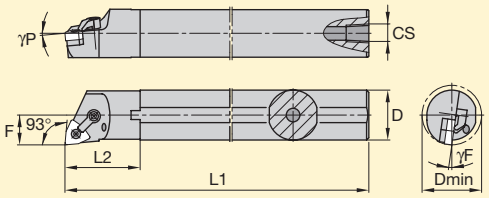
Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	F	L1	L2	L1A	CS	λF°	γP°	Wende-schneid-platte	Unter-lage	Spann stift	Hex (mm)	Spannele-ment	Spann-schraube	Hex (mm)
A25RMTFN R/L 16	25	32,0	17,0	200	-	-	1/4-18 NPT	-14,0	-5,0	**TN..160408**	**ITSN322**	**KLM34L**	**2,0**	**CKM21**	**STCM20**	3,0
A32SMTFN R/L 16	32	40,0	22,0	250	-	-	1/4-18 NPT	-12,0	-5,0	**TN..160408**	**ITSN322**	**KLM34L**	**2,0**	**CKM21**	**STCM20**	3,0
A40TMTFN R/L 16	40	50,0	27,0	300	-	-	1/4-18 NPT	-9,0	-5,0	**TN..160408**	**ITSN322**	**KLM34L**	**2,0**	**CKM21**	**STCM20**	3,0
A50UMTFN R/L 22	50	63,0	35,0	350	-	-	1/4-18 NPT	-7,0	-5,0	**TN..220408**	**ITSN433**	**KLM46**	**2,5**	**CKM9**	**STCM4**	4,0

Katalognummer Rechts/Links	D	Dmin	F	L1	L2	L1A	CS	λF°	γP°	Wende-schneid-platte	Unter-lage	Spann stift	Hex (mm)	Spannele-ment	Spann-schraube	Hex (mm)
A25RMVUN R/L 16	25	37,0	22,0	200	-	-	1/4-18 NPT	-12,0	-5,0	**VN..160408**	**IVSN322**	**KLM34L**	2,0	**CKM31**	**STCM20**	3,0
A32SMVUN R/L 16	32	40,0	22,0	250	-	-	1/4-18 NPT	-12,0	-5,0	**VN..160408**	**IVSN322**	**KLM34L**	2,0	**CKM31**	**STCM20**	3,0

A-MWLN 95°





Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	F	L1	L2	L1A	CS	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann stift	Hex (mm)	Spann-element	Spann-schraube	Hex (mm)
A25RMWLN R/L 06	25	32,0	17,0	200	-	-	1/4-18 NPT	-10,0	-5,0	**WN..060308**	**-**	**KLM33**	2,0	**CKM6**	**STCM5**	2,5
A32SMWLN R/L 06	32	40,0	22,0	250	-	-	1/4-18 NPT	-10,0	-5,0	**WN..060308**	**IWSN322**	**KLM34L**	2,0	**CKM6**	**STCM5**	2,5
A25RMWLN R/L 08	25	32,0	17,0	200	40	-	1/4-18 NPT	-12,0	-5,0	**WN..080408**	**-**	**KLM43**	2,0	**CKM20**	**STCM11**	3,0
A32SMWLN R/L 08	32	40,0	22,0	250	50	-	1/4-18 NPT	-14,0	-5,0	**WN..080408**	**IWSN433**	**KLM46**	2,5	**CKM20**	**STCM20**	3,0
A40TMWLN R/L 08	40	50,0	27,0	300	55	-	1/4-18 NPT	-12,0	-5,0	**WN..080408**	**IWSN433**	**KLM46**	2,5	**CKM20**	**STCM20**	3,0

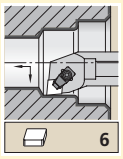
Bestellbeispiel:
Rechts: **A25RMTFNR16**



Links: **A25RMTFNL16**

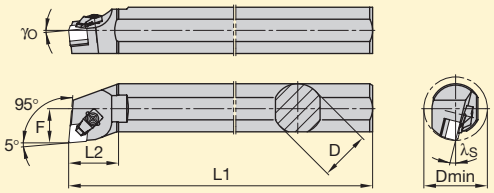


S-CCLN 95°



Stahlschaft ohne Innenkühlung

Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

S40T-V.CLN R/L 12

MX

Katalognummer Rechts/Links	D	Dmin	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter lage	Schraube für Unter-lage	Hex (mm)	Spann-element komplett	Hex (mm)
S40T-CCLN R/L 12-MX7	40	55	27,0	300	40,0	-	-	-14,0	-6,0	**CN.X120708**	**552.221**	**554.252**	2,5	**551.316**	4

MN

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Druck-platte	Spann-element komplett	Hex (mm)
S40T-CCLN R/L 12-MN4	40	55	27,0	300	40,0	-	-	-14,0	-6,0	**CN.N120408**	**552.220**	**554.252**	2,5	**557.111**	**551.255**	4
S40T-CCLN R/L 12-MN7	40	55	27,0	300	40,0	-	-	-14,0	-6,0	**CN.N120708**	**552.221**	**554.252**	2,5	**557.111**	**551.255**	4

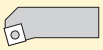
MF

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Span-former	Spann-element komplett	Hex (mm)
S40T-CCLN R/L 12-MF4	40	55	27,0	300	40,0	-	-	-14,0	-6,0	**CN.N120408**	**552.220**	**554.252**	2,5	**557.125**	**551.252**	4
S40T-CCLN R/L 12-MF7	40	55	27,0	300	40,0	-	-	-14,0	-6,0	**CN.N120708**	**552.221**	**554.252**	2,5	**557.125**	**551.252**	4

MA

								λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
S40T-PCLN R/L 12-MA4	40	55	27,0	300	40,0	-	-	-14,0	-6,0	**CN.A120408**	**552.220**	**554.016**	2,5

Bestellbeispiel:
Rechts: **S40T-CCLNR12-MX7**



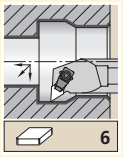
Links: **S40T-CCLNL12-MX7**



MTS Bohrstangen

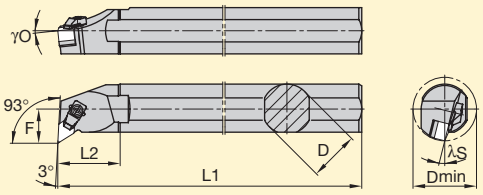
-MX, -MN & -MF für KENDEX negative Wendeschneidplatten und -MA für KENLOC Wendeschneidplatten

S-CDUN 93°



Stahlschaft ohne Innenkühlung

Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

S40T-V.DUN R/L 12
S40T-V.DUN R/L 15

MX

Katalognummer Rechts/Links	D	Dmin	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element komplett	Hex (mm)
S40T-CDUN R/L 12-MX7	40	55	27,0	300	50,0	-	-	-14,0	-6,0	**DN.X120708**	**552.225**	**554.254**	2,5	**551.316**	4
S40T-CDUN R/L 15MX7	40	55	27,0	300	50,0	-	-	-14,0	-6,0	**DN.X150708**	**552.228**	**554.252**	2,5	**551.332**	4

MN

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Druck-platte	Spann-element komplett	Hex (mm)
S40T-CDUN R/L 15-MN7	40	55	27,0	300	50,0	-	-	-14,0	-6,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.111**	**551.255**	4

MF

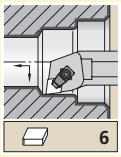
								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Span-former	Spann-element komplett	Hex (mm)
Rechts:																
S40T-CDUNR15-MF7	40	55	27,0	300	50,0	-	-	-14,0	-6,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.123**	**551.260**	4
Links:																
S40T-CDUNL15-MF7	40	55	27,0	300	50,0	-	-	-14,0	-6,0	**DN.N150708**	**552.228**	**554.252**	2,5	**557.124**	**551.261**	4

MA

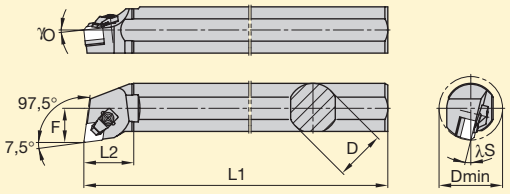
								λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
S40T-PDUN R/L 15-MA6	40	55	27,0	300	50,0	-	-	-14,0	-6,0	**DN.A150608**	**552.247**	**554.016**	2,5

Bestellbeispiel:
Rechts: **S40T-CDUNR12-MX7** 
Links: **S40T-CDUNL12-MX7** 

S-CELN 95°



Hinweis:
Abbildung zeigt MN-Klemmvariante



Stahlschaft ohne Innenkühlung

Grundhalter separat bestellbar:

S40T-V.ELN R/L 13

MX

Katalognummer Rechts/Links	D	Dmin	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element komplett	Hex (mm)
S40T-CELN R/L 13-MX7	40	55	27,0	300	40,0	-	-	-14,0	-6,0	**EN.X130708**	**552.240**	**554.252**	2,5	**551.316**	4

MN

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Druck-platte	Spann-element komplett	Hex (mm)
S40T-CELN R/L 13-MN4	40	55	27,0	300	40,0	-	-	-14,0	-6,0	**EN.N130408**	**552.239**	**554.252**	2,5	**557.111**	**551.255**	4
S40T-CELN R/L 13-MN7	40	55	27,0	300	40,0	-	-	-14,0	-6,0	**EN.N130708**	**552.240**	**554.252**	2,5	**557.111**	**551.255**	4

MF

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Span-former	Spann-element komplett	Hex (mm)
S40T-CELN R/L 13-MF4	40	55	27,0	300	40,0	-	-	-14,0	-6,0	**EN.N130408**	**552.240**	**554.252**	2,5	**557.125**	**551.252**	4
S40T-CELN R/L 13-MF7	40	55	27,0	300	40,0	-	-	-14,0	-6,0	**EN.N130708**	**552.240**	**554.252**	2,5	**557.125**	**551.252**	4

Bestellbeispiel:
Rechts: **S40T-CELNR13-MX7**



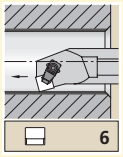
Links: **S40T-CELNL13-MX7**



MTS Bohrstangen

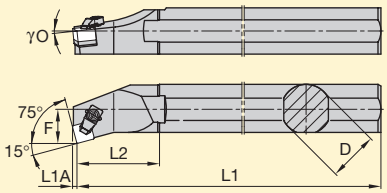
-MX, -MN & -MF für KENDEX negative Wendeschneidplatten und -MA für KENLOC Wendeschneidplatten

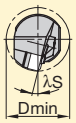
S-CSKN 75°



Stahlschaft ohne Innenkühlung

Hinweis:
Abbildung zeigt MN-Klemmvariante





Grundhalter separat bestellbar:

S40T-V.SKN R/L 12

MX

Katalognummer Rechts/Links	D	Dmin	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element komplett	Hex (mm)
S40T-CSKN R/L 12-MX7	40	55	27,0	300	67,0	-	3,0	-14,0	-6,0	**SN.X120708**	**552.232**	**554.252**	2,5	**551.316**	4

MN

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Druck-platte	Spann-element komplett	Hex (mm)
S40T-CSKN R/L 12-MN4	40	55	27,0	300	67,0	-	3,1	-14,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.111**	**551.255**	4
S40T-CSKN R/L 12-MN7	40	55	27,0	300	67,0	-	3,1	-14,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.111**	**551.255**	4

MF

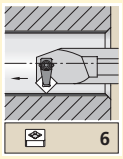
								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Span-former	Spann-element komplett	Hex (mm)
Rechts:																
S40T-CSKNR12-MF4	40	55	27,0	300	67,0	-	3,1	-14,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.127**	**551.254**	4
S40T-CSKNR12-MF7	40	55	27,0	300	67,0	-	3,1	-14,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.127**	**551.254**	4
Links:																
S40T-CSKNL12-MF4	40	55	27,0	300	67,0	-	3,1	-14,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.126**	**551.253**	4
S40T-CSKNL12-MF7	40	55	27,0	300	67,0	-	3,1	-14,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.126**	**551.253**	4

MA

								λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
S40T-PSKN R/L 12-MA4	40	55	27,0	300	67,0	-	-	-14,0	-6,0	**SN.A120408**	**552.231**	**554.016**	2,5

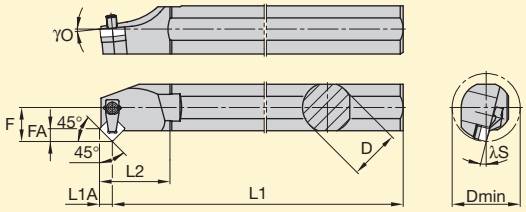
Bestellbeispiel:
Rechts: **S40T-CSKNR12-MX7** 
Links: **S40T-CSKNL12-MX7** 

S-CSSN 45°



Stahlschaft ohne Innenkühlung

Hinweis:
Abbildung zeigt MN-Klemmvariante

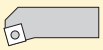


Grundhalter separat bestellbar:

S40T-V.SSN R/L 12

MX

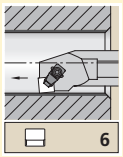
Katalognummer Rechts/Links	D	Dmin	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element komplett	Hex (mm)
S40T-CSSN R/L 12-MX7	40	55	27,0	300	67,0	8,23	8,55	-14,0	-6,0	**SN.X120708**	**552.232**	**554.252**	2,5	**551.316**	4

Bestellbeispiel:
Rechts: **S40T-CSSNR12-MX7** 
Links: **S40T-CSSNL12-MX7** 

MTS Bohrstangen

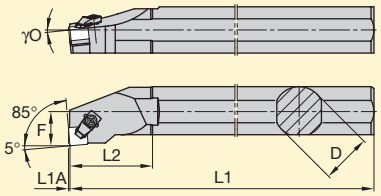
-MX, -MN & -MF für KENDEX negative Wendeschneidplatten und -MA für KENLOC Wendeschneidplatten

S-CSYN 85°



Stahlschaft ohne Innenkühlung

Hinweis:
Abbildung zeigt MN-Klemmvariante



Grundhalter separat bestellbar:

S40T-V.SYN R/L 08

MX

Katalognummer Rechts/Links	D	Dmin	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element komplett	Hex (mm)
S40T-CSYN R/L 12-MX7	40	55	27,0	300	67,0	-	0,97	-14,0	-6,0	**SN.X120708**	**552.232**	**554.252**	2,5	**551.316**	4

MN

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Druck-platte	Spann-element komplett	Hex (mm)
S40T-CSYN R/L 12-MN4	40	55	27,0	300	67,0	-	0,97	-14,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.111**	**551.255**	4
S40T-CSYN R/L 12-MN7	40	55	27,0	300	67,0	-	0,97	-14,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.111**	**551.255**	4

MF

								λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Span-former	Spann-element komplett	Hex (mm)
Rects:																
S40T-CSYNR12-MF4	40	55	27,0	300	67,0	-	0,97	-14,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.127**	**551.254**	4
S40T-CSYNR12-MF7	40	55	27,0	300	67,0	-	0,97	-14,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.127**	**551.254**	4
Links:																
S40T-CSYNL12-MF4	40	55	27,0	300	67,0	-	0,97	-14,0	-6,0	**SN.N120408**	**552.231**	**554.252**	2,5	**557.126**	**551.253**	4
S40T-CSYNL12-MF7	40	55	27,0	300	67,0	-	0,97	-14,0	-6,0	**SN.N120708**	**552.232**	**554.252**	2,5	**557.126**	**551.253**	4

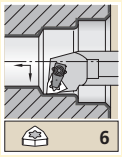
MA

								λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)
S40T-PSYN R/L 12-MA4	40	55	27,0	300	67,0	-	0,97	-14,0	-6,0	**SN.A120408**	**552.231**	**554.016**	2,5

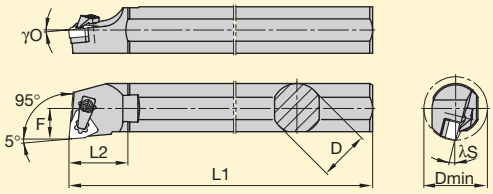
Bestellbeispiel::
Rechts: **S40T-CSYNR12-MX7** 

Links: **S40T-CSYNL12-MX7** 

S-CWLN 95°



Stahlschaft ohne Innenkühlung



Grundhalter separat bestellbar:

S40T-V.WLN R/L 12

MX

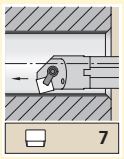
Katalognummer Rechts/Links	D	Dmin	F	L1	L2	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element komplett	Hex (mm)
S40T-CWLN R/L 08-MX7	40	80	27,0	300	55,0	-	-	-10,0	-5,0	**WN.X080708**	**552.210**	**554.252**	2,5	**551.316**	4

Bestellbeispiel:
Rechts: **S40T-CWLNR08-MX7** 
Links: **S40T-CWLNL08-MX7** 

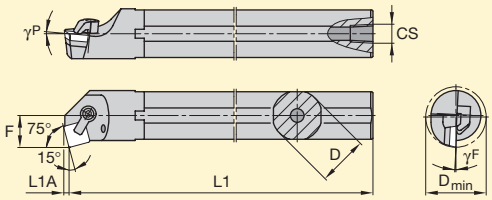
KENDEX Bohrstangen

KENDEX positive Wendeschneidplatten

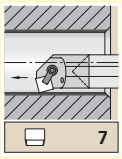
A-CSKP 75°



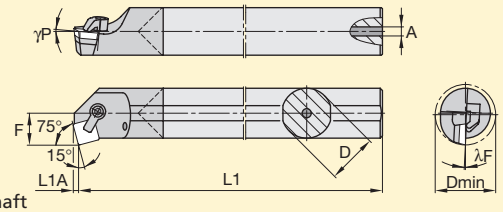
Stahlschaft mit Innenkühlung



E-CSKP 75°

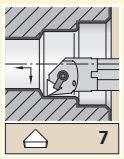


Vollhartmetallschaft mit Innenkühlung

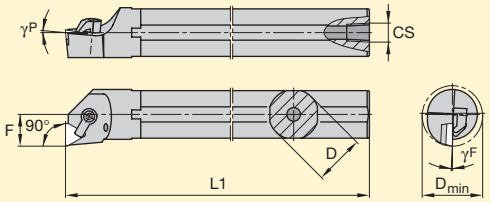


Katalognummer Rechts/Links	D	Dmin	F	L1	L1A	A	CS	λF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
A16MCSKP R/L 09	16	20	11,0	150	2,2	-	1/8-27 NPT	0,0	5,0	**SP..090308**	**SM821**	**MS963**	-	**CKM19**	**STCM9**	2,5
A20QCSKP R/L 09	20	25	13,0	180	2,2	-	1/8-27 NPT	0,0	5,0	**SP..090308**	**SM821**	**MS963**	-	**CKM19**	**STCM9**	2,5
A25RCSKP R/L 12	25	32	17,0	200	3,1	-	1/4-18 NPT	-2,0	5,0	**SP..120308**	**SM840**	**MS110**	2	**CKM20**	**STCM11**	3,0
A32SCSKP R/L 12	32	40	22,0	250	3,1	-	1/4-18 NPT	0,0	5,0	**SP..120308**	**SM840**	**MS110**	2	**CKM10**	**STCM8**	4,0
A40TCSKP R/L 12	40	50	27,0	300	3,1	-	1/4-18 NPT	0,0	5,0	**SP..120308**	**SM840**	**MS110**	2	**CKM10**	**STCM8**	4,0
								λF°	γP°							
E16RCSKP R/L 09	16	20	11	200	2,2	5,5	-	0,0	5,0	**SP..090308**	**SM821**	**MS963**	-	**CKM19**	**STCM9**	2,5
E20SCSKP R/L 09	20	25	13	250	2,2	7,1	-	0,0	5,0	**SP..090308**	**SM821**	**MS963**	-	**CKM19**	**STCM9**	2,5

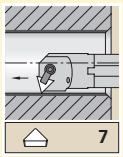
A-CTFP 90°



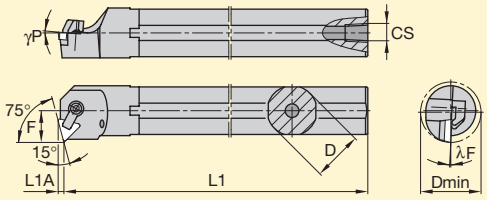
Stahlschaft mit Innenkühlung



A-CTKP 75°



Stahlschaft mit Innenkühlung



Katalognummer Rechts/Links	D	Dmin	F	L1	L1A	A	CS	λF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
A16RCTFP R/L 11	16	20	11,0	200	-	-	1/8-27 NPT	-4,0	5,0	**TP..110304**	-	-	-	**CKM19**	**STCM9**	2,5
A20QCTFP R/L 11	20	25	13,0	180	-	-	1/8-27 NPT	0,0	5,0	**TP..110304**	**SM815**	**MS961**	-	**CKM19**	**STCM9**	2,5
A25RCTFP R/L 16	25	32	17,0	200	-	-	1/4-18 NPT	-3,0	5,0	**TP..160308**	**SM841**	**MS110**	2	**CKM10**	**STCM8**	4
A32SCTFP R/L 16	32	40	22,0	250	-	-	1/4-18 NPT	-3,0	5,0	**TP..160308**	**SM841**	**MS110**	2	**CKM10**	**STCM8**	4
A40VCTFP R/L 16	40	48	27,0	400	-	-	1/4-18 NPT	-3,0	5,0	**TP..160308**	**SM841**	**MS110**	2	**CKM10**	**STCM8**	4
								λF°	γP°							
A12QCTKP R/L 09	12	16	9,0	180	2,2	-	1/16-27 NPT	-4,0	5,0	**TP..090204**	-	-	-	**CKM27**	**STCM27**	2

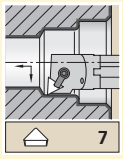
Bestellbeispiel:
Rechts: **A16MCSKPR09**

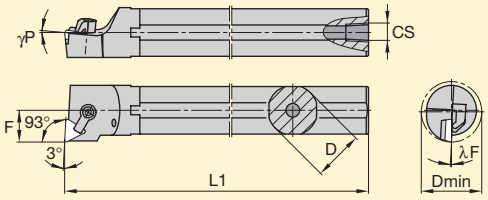


Links: **A16MCSKPL09**



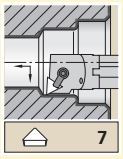
A-CTUP 93°

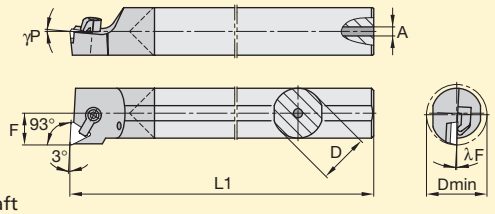




Stahlschaft mit Innenkühlung

E-CTUP 93°





Vollhartmetallschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	F	L1	L1A	A	CS	λF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
A16MCTUP R/L 11	16	20	11,0	150	-	-	1/8-27 NPT	-3,0	5,0	**TP..110304**	**SM815**	**MS961**	-	**CKM19**	**STCM9**	2,5
A20QCTUP R/L 11	20	25	13,0	180	-	-	1/8-27 NPT	-3,0	5,0	**TP..110304**	**SM815**	**MS961**	-	**CKM19**	**STCM9**	2,5
								λF°	γP°							
E16RCTUP R/L 11	16	20	11	200	-	5,5	-	0,0	5,0	**TP..110304**	**SM815**	**MS961**	-	**CKM19**	**STCM9**	2,5

Bestellbeispiel:
Rechts: **A16MCTUPR11**



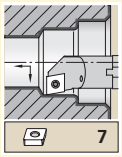
Links: **A16MCTUPL11**

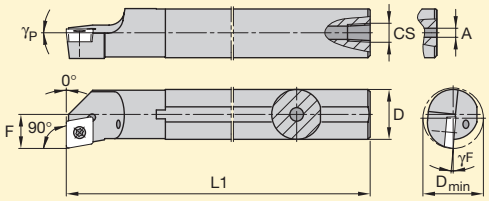


SCREW-ON Bohrstangen

SCREW-ON Wendeschneidplatten

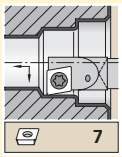
A-SCFC 90°

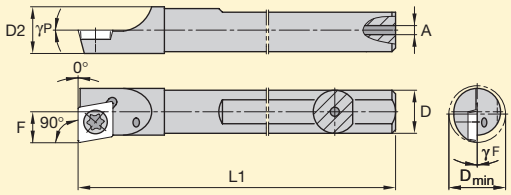




Stahlschaft mit Innenkühlung

A-SCFD 90°

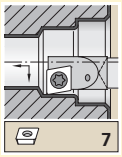


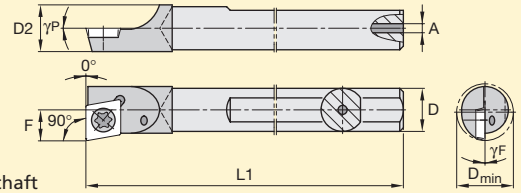


Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A25TSCFC R/L 12	25	32,0	-	17,0	300	-	-	-	-	-	-	-	1/4-18 NPT	-7,0	0,0	**CC..120408**	-	-	-	**MS1157**	T15
														γF°	γP°						
A05XSCFD R/L S4	5	5,8	5,2	3,0	65	-	-	-	-	-	1,0	-	-	-0,0	0,0	**CD..S4T002**	-	-	-	**CC11**	T6
A08XSCFD R/L S4	8	9,1	8,2	4,7	76	-	-	-	-	-	2,0	-	-	-0,0	0,0	**CD..S4T002**	-	-	-	**CC11**	T6

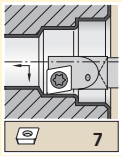
E-SCFD 90°

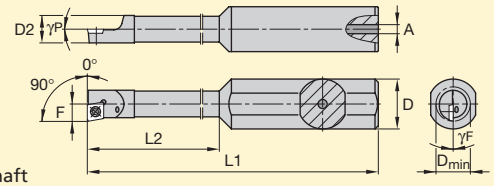




Vollhartmetallschaft mit Innenkühlung

A-SCFD 90°





abgesetzter Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für WPL	Hex (mm)	Schraube für WPL	Torx
E05HSCFD R/L S4	5	5,9	5,2	3,0	100	-	-	-	-	-	1,0	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC09**	T6
E06HSCFD R/L S4	6	6,9	6,2	3,7	100	-	-	-	-	-	1,2	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC11**	T6
E06MSCFD R/L S4	6	6,9	6,2	3,7	150	-	-	-	-	-	1,2	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC11**	T6
E08MSCFD R/L S4	8	9,1	8,2	4,7	150	-	-	-	-	-	2,4	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC11**	T6
														γF°	γP°						
A0510ESCFD R/L S412	10	5,94	5,16	3,10	70	-	12,7	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
A0510ESCFD R/L S425	10	5,94	5,16	3,10	70	-	25,4	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
A0610ESCFD R/L S419	10	7,42	6,60	3,86	70	-	19,1	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
A0610ESCFD R/L S431	10	7,42	6,60	3,86	70	-	31,7	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
A0512ESCFD R/L S412	12	5,94	5,16	3,10	70	-	12,7	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
A0512ESCFD R/L S425	12	5,94	5,16	3,10	70	-	25,4	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
A0612ESCFD R/L S419	12	7,42	6,60	3,86	70	-	19,1	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
A0612ESCFD R/L S431	12	7,42	6,60	3,86	70	-	31,7	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6

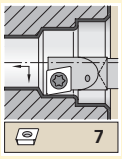
Bestellbeispiel:
Rechts: **A25TSCFCR12**



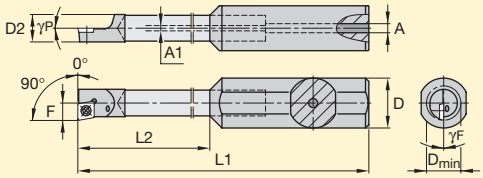
Links: **A25TSCFCL12**



E-SCFD 90°

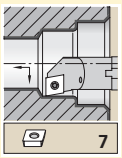


abgesetzter Hartmetall-
schaft mit Innenkühlung

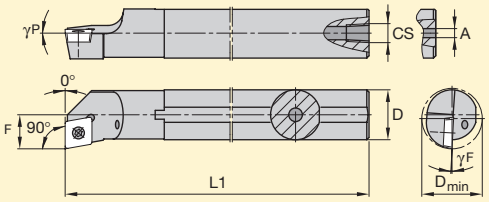


Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Schraube Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
E0512XSCFD R/L S425	12	6,10	5,26	3,18	64	-	25,4	-	-	-	3,18	1,0	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
E0512XSCFD R/L S450	12	6,10	5,26	3,18	89	-	50,8	-	-	-	3,18	1,0	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
E0612HSCFD R/L S463	12	7,42	6,56	3,86	102	-	63,5	-	-	-	3,18	1,2	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
E0612ESCFD R/L S431	12	7,42	6,56	3,86	70	-	31,8	-	-	-	3,18	1,2	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
E0516HSCFD R/L S425	16	6,10	5,26	3,18	89	-	25,4	-	-	-	3,18	1,0	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
E0516KSCFD R/L S450	16	6,10	5,26	3,18	114	-	50,8	-	-	-	3,18	1,0	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
E0616HSCFD R/L S431	16	7,42	6,56	3,86	95	-	31,8	-	-	-	3,18	1,2	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
E0616XSCFD R/L S463	16	7,42	6,56	3,86	127	-	63,5	-	-	-	3,18	1,2	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6

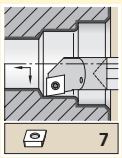
A-SCFP 90°



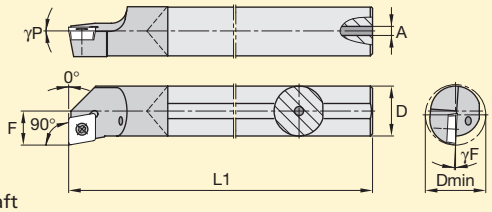
Stahlschaft mit
Innenkühlung



E-SCFP 90°



Vollhartmetallschaft
mit Innenkühlung



Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Schraube Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A08JSCFP R/L 06	8	11,0	-	6,0	110	-	-	-	-	-	2,4	-	-	-8,0	0,0	**CP..060204**	-	-	-	**MS1153**	T7
A10KSCFP R/L 06	10	13,0	-	7,0	125	-	-	-	-	-	3,2	-	-	-6,0	0,0	**CP..060204**	-	-	-	**MS1153**	T7
A12MSCFP R/L 06	12	16,0	-	9,0	150	-	-	-	-	-	-	-	1/16-27 NPT	-4,0	0,0	**CP..060204**	-	-	-	**MS1153**	T7
A16RSCFP R/L 06	16	20,0	-	11,0	200		-	-	-	-	-	-	1/8-27 NPT	-5,0	0,0	**CP..060203**	-	-	-	**MS1153**	T7
A20SSCFP R/L 06	20	25,0	-	13,0	250		-	-	-	-	-	-	1/8-27 NPT	-3,0	0,0	**CP..060203**	-	-	-	**MS1153**	T7
A16RSCFP R/L 09	16	20,0	-	11,0	200	-	-	-	-	-	-	-	1/8-27 NPT	-4,0	0,0	**CP..09T308**	-	-	-	**MS1155**	T15
A20SSCFP R/L 09	20	25,0	-	13,0	250	-	-	-	-	-	-	-	1/8-27 NPT	-2,0	0,0	**CP..09T308**	-	-	-	**MS1155**	T15

														γF°	γP°						
E08KSCFP R/L 06A	8	11,0	-	6,0	125	-	-	-	-	-	2,4	-	-	-8,0	0,0	**CP..060204**	-	-	-	**MS1939**	T7
E10MSCFP R/L 06A	10	13,0	-	7,0	150	-	-	-	-	-	3,2	-	-	-4,0	0,0	**CP..060204**	-	-	-	**MS1939**	T7
E12QSCFP R/L 06	12	16,0	-	9,0	180	-	-	-	-	-	4,8	-	-	-3,0	0,0	**CP..060204**	-	-	-	**MS1153**	T7
E16RSCFP R/L 09	16	20,0	-	11,0	200	-	-	-	-	-	5,5	-	-	-4,0	0,0	**CP..09T308**	-	-	-	**MS1155**	T15

Bestellbeispiel:
Rechts: **E0512XSCFDRS425**



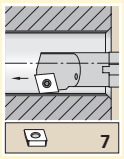
Links: **E0512XSCFDLS425**

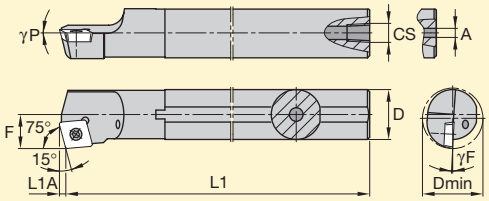


SCREW-ON Bohrstangen

SCREW-ON Wendeschneidplatten

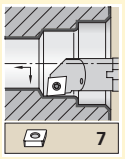
A-SCKP 75°

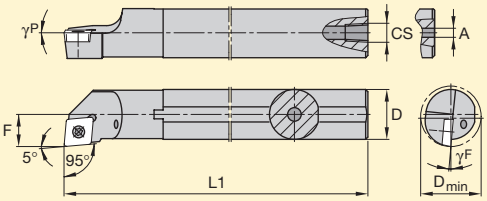




Stahlschaft mit Innenkühlung

A-SCLC 95°

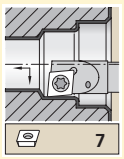


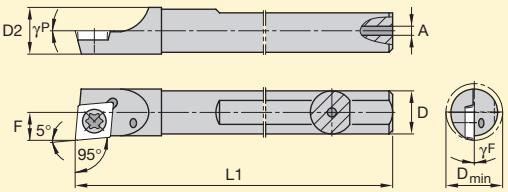


Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A10KSCKP R/L 06	10	13,0	-	7,0	125	-	-	-	-	1,6	3,2	-	-	-6,0	0,0	**CP..060204**	-	-	-	**MS1153**	T7
A12MSCKP R/L 06	12	16,0	-	9,0	150	-	-	-	-	1,6	-	-	1/16-27 NPT	-4,0	0,0	**CP..060204**	-	-	-	**MS1153**	T7
A16RSCKP R/L 09	16	20,0	-	11,0	200	-	-	-	-	2,3	-	-	1/8-27 NPT	-4,0	0,0	**CP..09T308**	-	-	-	**MS1155**	T15
A20SSCKP R/L 09	20	25,0	-	13,0	250	-	-	-	-	2,3	-	-	1/8-27 NPT	-3,0	0,0	**CP..09T308**	-	-	-	**MS1155**	T15
														γF°	γP°						
A08JSCLC R/L 06	8	11,0	-	6,0	110	-	-	-	-	-	2,4	-	-	-8,0	0,0	**CC..060204**	-	-	-	**MS1939**	T7
A10KSCLC R/L 06	10	13,0	-	7,0	125	-	-	-	-	-	3,2	-	-	-7,0	0,0	**CC..060204**	-	-	-	**MS1153**	T7
A12MSCLC R/L 06	12	16,0	-	9,0	150	-	-	-	-	-	-	-	1/16-27 NPT	-6,0	0,0	**CC..060 204**	-	-	-	**MS1153**	T7
A16RSCLC R/L 09	16	20,0	-	11,0	200	-	-	-	-	-	-	-	1/8-27 NPT	-7,0	0,0	**CC..09T308**	-	-	-	**MS1155**	T15
A20SSCLC R/L 09	20	25,0	-	13,0	250	-	-	-	-	-	-	-	1/8-27 NPT	-5,0	0,0	**CC..09T308**	-	-	-	**MS1155**	T15
A25TSCLC R/L 12	25	32,0	-	17,0	300	-	-	-	-	-	-	-	1/4-18 NPT	-7,0	0,0	**CC..120408**	-	-	-	**MS1157**	T15
A32TSCLC R/L 12	32	40,0	-	22,0	300	-	-	-	-	-	-	-	1/4-18 NPT	-7,0	0,0	**CC..120408**	**SKCP453**	**SRS4**	4	**MS1158**	T15

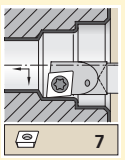
A-SCLD 95°

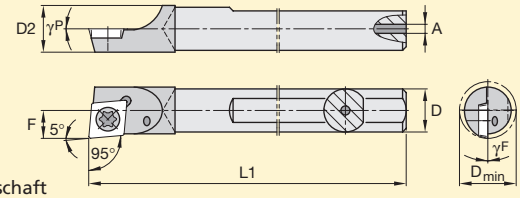




Stahlschaft mit Innenkühlung

E-SCLD 95°





Vollhartmetallschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A04XSCLD R/L S4	4	4,6	4,2	2,4	65	-	-	-	-	-	1,0	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC09**	T6
A05XSCLD R/L S4	5	5,8	5,2	3,0	65	-	-	-	-	-	1,0	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC09**	T6
A06XSCLD R/L S4	6	6,9	6,2	3,7	65	-	-	-	-	-	1,0	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC11**	T6
A08XSCLD R/L S4	8	9,1	8,2	4,7	76	-	-	-	-	-	2,0	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC11**	T6
														γF°	γP°						
E04HSCLD R/L S4	4	4,6	4,2	2,4	100	-	-	-	-	-	1,0	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC09**	T6
E04MSCLD R/L S4	4	4,6	4,2	2,4	150	-	-	-	-	-	1,0	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC09**	T6
E05HSCLD R/L S4	5	5,9	5,2	3,0	100	-	-	-	-	-	1,0	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC09**	T6
E05MSCLD R/L S4	5	5,9	5,2	3,0	150	-	-	-	-	-	1,0	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC09**	T6
E06HSCLD R/L S4	6	6,9	6,2	3,7	100	-	-	-	-	-	1,2	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC11**	T6
E06MSCLD R/L S4	6	6,9	6,2	3,7	150	-	-	-	-	-	1,2	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC11**	T6
E08MSCLD R/L S4	8	9,1	8,2	4,7	150	-	-	-	-	-	2,4	-	-	0,0	0,0	**CD..S4T002**	-	-	-	**CC11**	T6

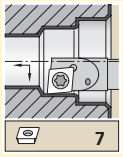
Bestellbeispiel:
Rechts: **A10KSCKPR06**

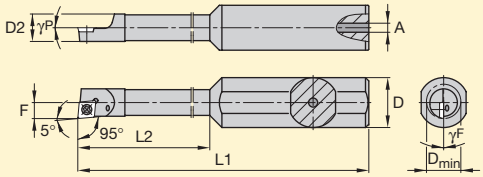


Links: **A10KSCKPL06**



A-SCLD 95°

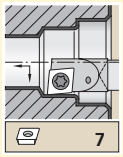


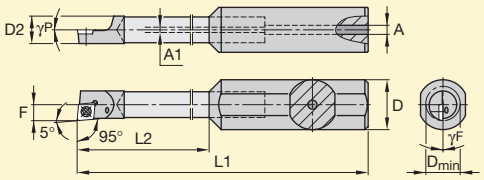


abgesetzter Stahlschaft
mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Schraube Unter-lage	f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A0410ESCLD R/L S412	10	5,18	4,57	2,64	70	-	12,7	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC09**	T6
A0410ESCLD R/L S425	10	5,18	4,57	2,64	70	-	25,4	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC09**	T6
A0510ESCLD R/L S412	10	5,78	5,16	2,95	70	-	12,7	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
A0510ESCLD R/L S425	10	5,78	5,16	2,95	70	-	25,4	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
A0610ESCLD R/L S419	10	7,24	6,60	3,68	70	-	19,1	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
A0610ESCLD R/L S431	10	7,24	6,60	3,68	70	-	31,7	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
A0412ESCLD R/L S412	12	5,18	4,57	2,64	70	-	12,7	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC09**	T6
A0412ESCLD R/L S425	12	5,18	4,57	2,64	70	-	25,4	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC09**	T6
A0512ESCLD R/L S412	12	5,78	5,16	2,95	70	-	12,7	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
A0612ESCLD R/L S419	12	7,24	6,60	3,68	70	-	19,1	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
A0612ESCLD R/L S431	12	7,24	6,60	3,68	70	-	31,7	-	-	-	1,0	-	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6

E-SCLD 95°





abgesetzter Hartmetall-
schaft mit Innenkühlung

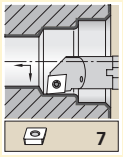
Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Schraube Unter-lage	f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
E0412DSCLD R/L S422	12	5,28	4,80	2,64	60	-	22,2	-	-	-	3,18	1,0	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC09**	T6
E0412XSCLD R/L S447	12	5,28	4,80	2,64	86	-	47,6	-	-	-	3,18	1,0	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC09**	T6
E0512XSCLD R/L S425	12	5,94	5,26	3,02	64	-	25,4	-	-	-	3,18	1,0	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
E0512GSCLD R/L S450	12	5,94	5,26	3,02	90	-	50,8	-	-	-	3,18	1,0	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
E0612HSCLD R/L S463	12	7,24	6,56	3,68	100	-	63,5	-	-	-	3,18	1,2	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
E0612ESCLD R/L S431	12	7,24	6,56	3,68	70	-	31,7	-	-	-	3,18	1,2	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
E0416HSCLD R/L S422	16	5,28	4,80	2,64	86	-	22,2	-	-	-	3,18	1,0	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC09**	T6
E0416KSCLD R/L S447	16	5,28	4,80	2,64	111	-	47,6	-	-	-	3,18	1,0	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC09**	T6
E0516HSCLD R/L S425	16	5,94	5,26	3,02	89	-	25,4	-	-	-	3,18	1,0	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
E0516KSCLD R/L S450	16	5,94	5,26	3,02	114	-	50,8	-	-	-	3,18	1,0	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
E0616HSCLD R/L S431	16	7,24	6,56	3,68	95	-	31,7	-	-	-	3,18	1,2	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6
E0616XSCLD R/L S463	16	7,24	6,56	3,68	127	-	63,5	-	-	-	3,18	1,2	-	0,0	5,0	**CD..S4T002**	-	-	-	**CC11**	T6

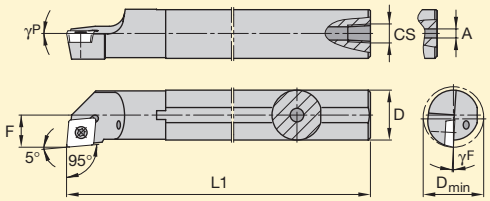
Bestellbeispiel:
Rechts: **A0410ESCLDRS412** 
Links: **A0410ESCLDLS412** 

SCREW-ON Bohrstangen

SCREW-ON Wendeschneidplatten

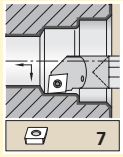
A-SCLP 95°

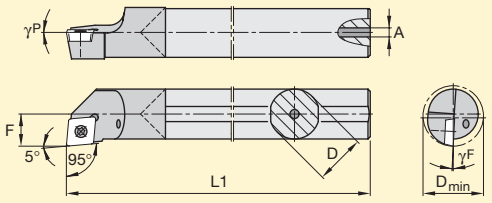




Stahlschaft mit Innenkühlung

E-SCLP 95°

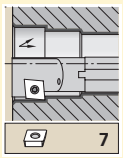


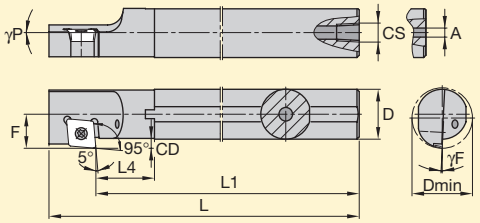


Vollhartmetallschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Schraube Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A08JSCLP R/L 06	8	11,0	-	6,0	110	-	-	-		-	2,4	-	-	-6,0	0,0	**CP..060204**	-	-	-	**MS1939**	**T7**
A10KSCLP R/L 06	10	13,0	-	7,0	125	-	-	-		-	3,2	-	-	-4,0	0,0	**CP..060204**	-	-	-	**MS1153**	**T7**
A12MSCLP R/L 06	12	16,0	-	9,0	150	-	-	-		-	-	-	1/16-27 NPT	-3,0	0,0	**CP..060204**	-	-	-	**MS1153**	**T7**
A16RSCLP R/L 06	16	20,0	-	11,0	200	-	-	-		-	-	-	1/8-27 NPT	-5,0	0,0	**CP..060203**	-	-	-	**MS1153**	**T7**
A20SSCLP R/L 06	20	25,0	-	13,0	250	-	-	-		-	-	-	1/8-27 NPT	-3,0	0,0	**CP..060203**	-	-	-	**MS1153**	**T7**
A16RSCLP R/L 09	16	20,0	-	11,0	200	-	-	-		-	-	-	1/8-27 NPT	-4,0	0,0	**CP..09T308**	-	-	-	**MS1155**	**T15**
A20SSCLP R/L 09	20	25,0	-	13,0	250	-	-	-		-	-	-	1/8-27 NPT	-2,0	0,0	**CP..09T308**	-	-	-	**MS1155**	**T15**
														γF°	γP°						
E08KSCLP R/L 06A	8	11,0	-	6,0	122	-	-	-	-	-	2,4	-	-	-6,0	0,0	**CP..060204**	-	-	-	**MS1939**	**T7**
E10MSCLP R/L 06A	10	13,0	-	7,0	150	-	-	-	-	-	3,2	-	-	-4,0	0,0	**CP..060204**	-	-	-	**MS1939**	**T7**
E12QSCLP R/L 06	12	16,0	-	9,0	180	-	-	-	-	-	4,8	-	-	-3,0	0,0	**CP..060204**	-	-	-	**MS1155**	**T7**
E16RSCLP R/L 09	16	20,0	-	11,0	200	-	-	-	-	-	5,5	-	-	-4,0	0,0	**CP..09T308**	-	-	-	**MS1155**	**T15**
E20SSCLP R/L 09	20	25,0	-	13,0	250	-	-	-	-	-	7,1	-	-	-2,0	0,0	**CP..09T308**	-	-	-	**MS1155**	**T15**

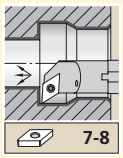
A-SCXP 95°

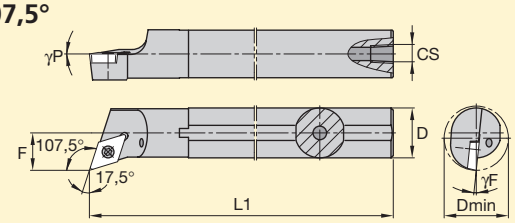




Stahlschaft mit Innenkühlung

A-SDQC 107,5°





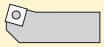
Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Schraube Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A10KSCXP R/L 06	10	13,0	-	7,0	125	136,0	-	15,9	2,0	-	3,2	-	-	-4,0	0,0	**CP..060204**	-	-	-	**MS1153**	**T7**
A12MSCXP R/L 06	12	16,0	-	9,0	150	161,0	-	16,4	3,0	-	-	-	1/16-27 NPT	-3,0	0,0	**CP..060204**	-	-	-	**MS1153**	**T7**
A16RSCXP R/L 09	16	20,0	-	11,0	200	218,0	-	17,8	3,2	-	-	-	1/8-27 NPT	-4,0	0,0	**CP..09T308**	-	-	-	**MS1155**	**T15**
														γF°	γP°						
A12MSDQC R/L 07	12	16,0	-	9,0	150	-	-	-	-	-	-	-	1/16-27 NPT	-6,0	0,0	**DC..070204**	-	-	-	**MS1153**	**T7**
A16RSDQC R/L 07	16	20,0	-	11,0	200	-	-	-	-	-	-	-	1/8-27 NPT	-5,0	0,0	**DC..070204**	-	-	-	**MS1153**	**T7**
A20SSDQC R/L 11	20	25,0	-	13,0	250	-	-	-	-	-	-	-	1/8-27 NPT	-5,0	0,0	**DC..11T308**	-	-	-	**MS1155**	**T15**
A25TSDQC R/L 11	25	32,0	-	17,0	300	-	-	-	-	-	-	-	1/4-18 NPT	-4,0	0,0	**DC..11T308**	-	-	-	**MS1155**	**T15**

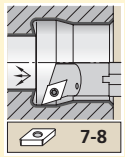
Bestellbeispiel:
Rechts: **A08JSCLPR06**

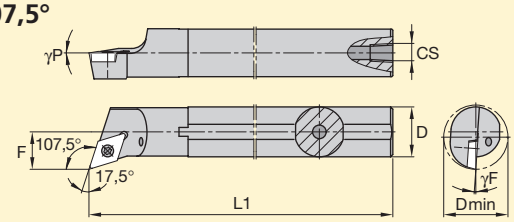


Links: **A08JSCLPL06**



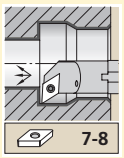
A-SDQP 107,5°

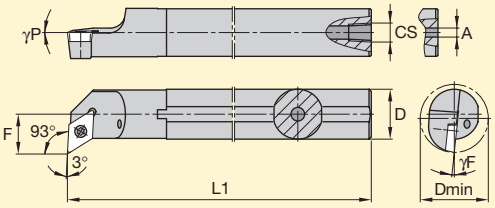




Stahlschaft mit Innenkühlung

A-SDUC 93°

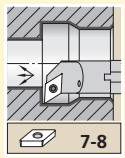


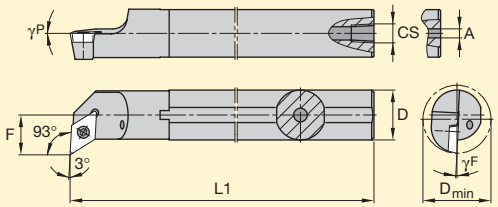


Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A12MSDQP R/L 07	12	16,0	-	9,0	150	-	-	-	-	-	-	-	1/16-27 NPT	-2,0	0,0	**DP..070204**	-	-	-	**MS1153**	T7
A16RSDQP R/L 07	16	20,0	-	11,0	200	-	-	-	-	-	-	-	1/8-27 NPT	0,0	0,0	**DP..070204**	-	-	-	**MS1153**	T7
A20SSDQP R/L 11	20	25,0	-	13,0	250	-	-	-	-	-	-	-	1/8-27 NPT	-2,0	0,0	**DP..11T308**	-	-	-	**MS1155**	T15
A25TSDQP R/L 11	25	32,0	-	17,0	300	-	-	-	-	-	-	-	1/4-18 NPT	0,0	0,0	**DP..11T308**	-	-	-	**MS1155**	T15
														γF°	γP°						
A10KSDUC R/L 07	10	13,0	-	7,0	125	-	-	-	-	-	3,2	-	-	-7,0	0,0	**DC..070204**	-	-	-	**MS1153**	T7
A12MSDUC R/L 07	12	16,0	-	9,0	150	-	-	-	-	-	-	-	1/16-27 NPT	-4,0	0,0	**DC..070204**	-	-	-	**MS1153**	T7
A16RSDUC R/L 07	16	20,0	-	11,0	200	-	-	-	-	-	-	-	1/8-27 NPT	-4,0	0,0	**DC..070204**	-	-	-	**MS1153**	T7
A16RSDUC R/L 11	16	20,0	-	11,0	200		-	-	-	-	-	-	1/8-27 NPT	-6,0	0,0	**DC..11T308**	-	-	-	**MS1155**	T15
A20SSDUC R/L 11	20	25,0	-	13,0	250	-	-	-	-	-	-	-	1/8-27 NPT	-5,0	0,0	**DC..11T308**	-	-	-	**MS1155**	T15
A25TSDUC R/L 11	25	32,0	-	17,0	300	-	-	-	-	-	-	-	1/4-18 NPT	-4,0	0,0	**DC..11T308**	-	-	-	**MS1155**	T15
A32TSDUC R/L 15	32	40,0	-	22,0	300	-	-	-	-	-	-	-	1/4-18 NPT	-7,0	0,0	**DC..150408**	**SKDP453**	**SRS4**	4	**MS1158**	T15

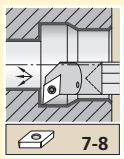
A-SDUP 93°

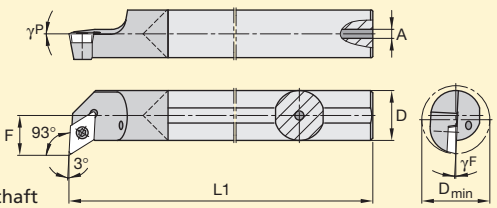




Stahlschaft mit Innenkühlung

E-SDUP 93°





Vollhartmetallschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A12MSDUP R/L 07	12	16,0	-	9,0	150	-	-	-	-	-	-	-	1/16-27 NPT	-2,0	0,0	DP..070204	-	-	-	MS1153	T7
A16RSDUP R/L 07	16	20,0	-	11,0	200	-	-	-	-	-	-	-	1/8-27 NPT	0,0	0,0	DP..070204	-	-	-	MS1153	T7
A20SSDUP R/L 11	20	25,0	-	13,0	250	-	-	-	-	-	-	-	1/8-27 NPT	-2,0	0,0	DP..11T308	-	-	-	MS1155	T15
A25TSDUP R/L 11	25	32,0	-	17,0	300	-	-	-	-	-	-	-	1/4-18 NPT	0,0	0,0	DP..11T308	-	-	-	MS1155	T15
														γF°	γP°						
E12QSDUP R/L 07	12	16,0	-	9,0	180	-	-	-	-	-	4,8	-	-	-2,0	0,0	DP..070204	-	-	-	MS1153	T7
E16RSDUP R/L 07	16	20,0	-	11,0	200	-	-	-	-	-	5,5	-	-	0,0	0,0	DP..070204	-	-	-	MS1153	T7
E20SSDUP R/L 11	20	25,0	-	13,0	250	-	-	-	-	-	7,1	-	-	-2,0	0,0	DP..11T308	-	-	-	MS1155	T15

Bestellbeispiel:
Rechts: **A12MSDQPR07**



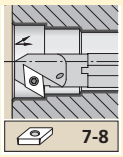
Links: **A12MSDQPL07**

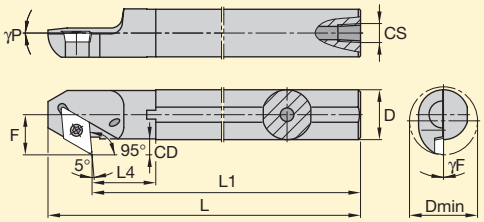


SCREW-ON Bohrstangen

SCREW-ON Wendeschneidplatten

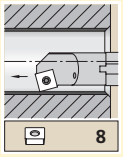
A-SDXP 95°

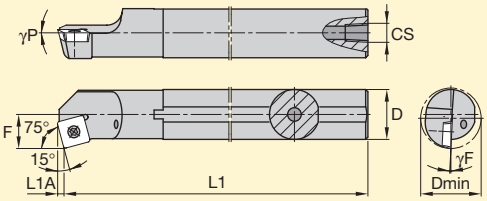




Stahlschaft mit Innenkühlung

A-SSKC 75°

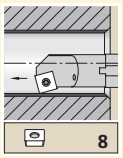


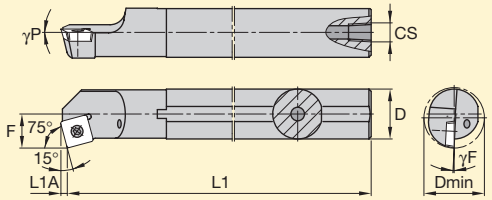


Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A12MSDXP R/L 07	12	16,0	-	9,0	150	162,0	-	17,07	3,09	-	-	-	1/16-27 NPT	0,0	0,0	**DP..070204**	-	-	-	**MS1153**	T7
A16RSDXP R/L 07	16	20,0	-	11,0	200	212,0	-	18,15	3,2	-	-	-	1/8-27 NPT	0,0	0,0	**DP..070204**	-	-	-	**MS1153**	T7
A20SSDXP R/L 11	20	25,0	-	13,0	250	270,0	-	50,8	4,31	-	-	-	1/8-27 NPT	0,0	0,0	**DP..11T308**	-	-	-	**MS1155**	T15
														γF°	γP°						
A16RSSKC R/L 09	16	20,0	-	11,0	200		-	-	-	2,2	-	-	1/8-27 NPT	-7,0	0,0	**SC..09T308**	-	-	-	**MS1157**	T15
A25TSSKC R/L 12	25	32,0	-	17,0	300	-	-	-	-	3,2	-	-	1/4-18 NPT	-7,0	0,0	**SC..120408**	-	-	-	**MS1157**	T15
A32TSSKC R/L 12	32	40,0	-	22,0	300	-	-	-	-	3,2	-	-	1/4-18 NPT	-7,0	0,0	**SC..120408**	**SKSP453**	**SRS4**	4	**MS1158**	T15

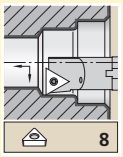
A-SSKP 75°

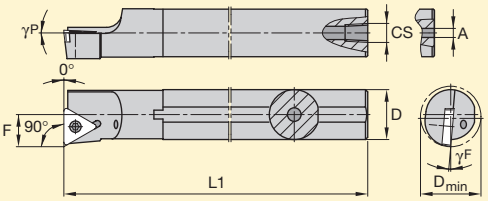




Stahlschaft mit Innenkühlung

A-STFC 90°



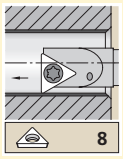


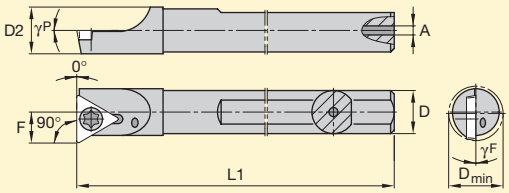
Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A16RSSKP R/L 09	16	20,0	-	11,0	200	-	-	-	-	2,2	-	-	1/8-27 NPT	-4,0	0,0	**SP..09T308**	-	-	-	**MS1155**	T15
A20SSSKP R/L 09	20	25,0	-	13,0	250	-	-	-	-	2,2	-	-	1/8-27 NPT	-4,0	0,0	**SP..09T308**	-	-	-	**MS1155**	T15
														γF°	γP°						
A10KSTFC R/L 11	10	13,0	-	7,0	125	-	-	-	-	-	3,2	-	-	-7,0	0,0	**TC..110204**	-	-	-	**MS1153**	T7
A12MSTFC R/L 11	12	16,0	-	9,0	150	-	-	-	-	-	-	-	1/16-27 NPT	-6,0	0,0	**TC..110204**	-	-	-	**MS1153**	T7
A32TSTFC R/L 16	32	40,0	-	22,0	300	-	-	-	-	-	-	-	1/4-18 NPT	-2,0	0,0	**TC..16T308**	**SKTP343**	**SRS3**	3,5	**MS1156**	T15

Bestellbeispiel:
Rechts: A12MSDXPR07 
Links: A12MSDXPL07 

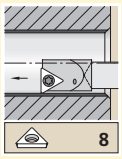
A-STFD 90°

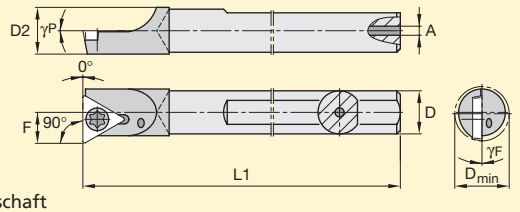




Stahlschaft mit Innenkühlung

E-STFD 90°

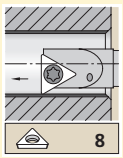


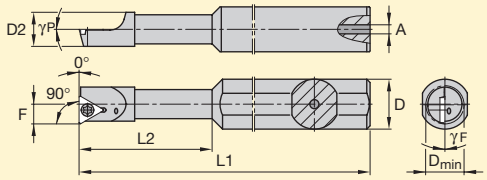


Vollhartmetallschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Schraube Unter-lage	f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A06HSTFD R/L 07	6	7,1	6,2	3,7	100	-	-	-	-	-	1,0	-	-	0,0	0,0	**TD..07T1202**	-	-	-	**FC11**	T7
A08HSTFD R/L 07	8	9,2	8,2	4,8	100	-	-	-	-	-	2,0	-	-	0,0	0,0	**TD..07T1202**	-	-	-	**FC14**	T7
														γF°	γP°						
E06MSTFD R/L 07	6	7,1	6,2	3,7	150	-	-	-	-	-	1,2	-	-	0,0	0,0	**TD..07T1202**	-	-	-	**FC11**	T7
E08MSTFD R/L 07	8	9,2	8,2	4,8	150	-	-	-	-	-	2,4	-	-	0,0	0,0	**TD..07T1202**	-	-	-	**FC14**	T7

A-STFD 90°





abgesetzter Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Schraube Unter-lage	f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A0512XSTFD R/L 0712	12	6,99	5,16	3,40	76	-	12,7	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC11**	T7
A0512XSTFD R/L 0725	12	6,99	5,16	3,40	76	-	25,4	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC11**	T7
A0612XSTFD R/L 0719	12	7,51	6,58	3,96	76	-	19,1	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
A0612XSTFD R/L 0731	12	7,51	6,58	3,96	76	-	31,7	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
A0812XSTFD R/L 0725	12	9,08	8,15	4,75	76	-	25,4	-	-	-	1,5	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
A0812XSTFD R/L 0738	12	9,08	8,15	4,75	76	-	38,1	-	-	-	1,5	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
A0516HSTFD R/L 0712	16	6,99	5,16	3,40	100	-	12,7	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC11**	T7
A0516HSTFD R/L 0725	16	6,99	5,16	3,40	100	-	25,4	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC11**	T7
A0616HSTFD R/L 0719	16	7,51	6,58	3,96	100	-	19,1	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
A0616HSTFD R/L 0731	16	7,51	6,58	3,96	100	-	31,7	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
A0816HSTFD R/L 0725	16	9,08	8,15	4,75	100	-	25,4	-	-	-	1,5	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
A0816HSTFD R/L 0738	16	9,08	8,15	4,75	100	-	38,1	-	-	-	1,5	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7

Bestellbeispiel:
Rechts: **A06HSTFDR07**



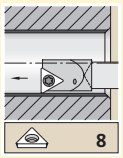
Links: **A06HSTFDL07**



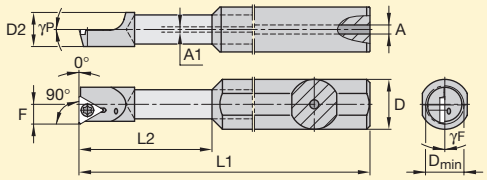
SCREW-ON Bohrstangen

SCREW-ON Wendeschneidplatten

E-STFD 90°

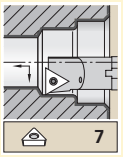


abgesetzter Hartmetall-
schaft mit Innenkühlung

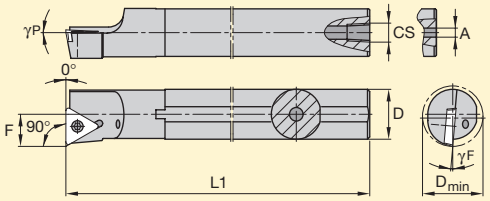


Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Schraube Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
E0512XSTFD R/L 0725	12	7,00	5,26	3,40	64	-	25,4	-	-	-	3,18	1,0	-	0,0	5,0	TD..07T1202	-	-	-	FC11	T7
E0512GSTFD R/L 0750	12	7,00	5,26	3,40	90	-	50,8	-	-	-	3,18	1,0	-	0,0	5,0	TD..07T1202	-	-	-	FC11	T7
E0612HSTFD R/L 0763	12	7,52	6,35	3,96	100	-	63,5	-	-	-	3,18	1,2	-	0,0	5,0	TD..07T1202	-	-	-	FC14	T7
E0612ESTFD R/L 0731	12	7,52	6,35	3,96	70	-	31,7	-	-	-	3,18	1,2	-	0,0	5,0	TD..07T1202	-	-	-	FC14	T7
E0812XSTFD R/L 0779	12	9,11	7,92	4,75	117	-	79,3	-	-	-	3,18	2,4	-	0,0	5,0	TD..07T1202	-	-	-	FC14	T7
E0812XSTFD R/L 0738	12	9,11	7,92	4,75	76	-	38,1	-	-	-	3,18	2,4	-	0,0	5,0	TD..07T1202	-	-	-	FC14	T7
E0516XSTFD R/L 0750	16	7,00	5,16	3,40	127	-	50,8	-	-	-	3,18	1,0	-	0,0	5,0	TD..07T1202	-	-	-	FC11	T7
E0516XSTFD R/L 0725	16	7,00	5,16	3,40	89	-	25,4	-	-	-	3,18	1,0	-	0,0	5,0	TD..07T1202	-	-	-	FC11	T7
E0616XSTFD R/L 0764	16	7,52	6,35	3,96	127	-	63,5	-	-	-	3,18	1,2	-	0,0	5,0	TD..07T1202	-	-	-	FC14	T7
E0616XSTFD R/L 0731	16	7,52	6,35	3,96	95	-	31,7	-	-	-	3,18	1,2	-	0,0	5,0	TD..07T1202	-	-	-	FC14	T7
E0816HSTFD R/L 0738	16	9,11	7,92	4,75	100	-	38,1	-	-	-	3,18	2,4	-	0,0	5,0	TD..07T1202	-	-	-	FC14	T7
E0816LSTFD R/L 0779	16	9,11	7,92	4,75	140	-	79,3	-	-	-	3,18	2,4	-	0,0	5,0	TD..07T1202	-	-	-	FC14	T7

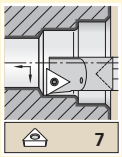
A-STFP 90°



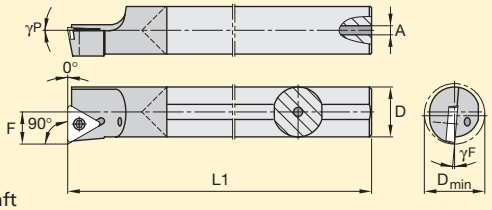
Stahlschaft mit
Innenkühlung



E-STFP 90°



Vollhartmetallschaft
mit Innenkühlung



Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Schraube Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A08JSTFP R/L 09	8	11,0	-	6,0	110	-	-	-	-	-	2,4	-	-	-8,0	0,0	TP..090204	-	-	-	MS1152	T7
A10KSTFP R/L 11	10	13,0	-	7,0	125	-	-	-	-	-	3,2	-	-	-4,0	0,0	TP..110204	-	-	-	MS1153	T7
A12MSTFP R/L 11	12	16,0	-	9,0	150	-	-	-	-	-	-	-	1/16-27 NPT	-2,0	0,0	TP..110204	-	-	-	MS1153	T7
A16RSTFP R/L 11	16	20,0	-	11,0	200	-	-	-	-	-	-	-	1/16-27 NPT	0,0	0,0	TP..110204	-	-	-	MS1153	T7
A20SSTFP R/L 16	20	25,0	-	13,0	250	-	-	-	-	-	-	-	1/8-27 NPT	-2,0	0,0	TP..16T308	-	-	-	MS1155	T15
A25TSTFP R/L 16	25	32,0	-	17,0	300	-	-	-	-	-	-	-	1/4-18 NPT	0,0	0,0	TP..16T308	-	-	-	MS1155	T15
A32TSTFP R/L 16	32	40,0	-	22,0	300	-	-	-	-	-	-	-	1/4-18 NPT	-2,0	0,0	TP..16T308	SKTP343	SRS3	3,5	MS1156	T15

														γF°	γP°						
E08KSTFP R/L 09A	8	11,0	-	6,0	125	-	-	-	-	-	2,4	-	-	-6,0	0,0	TP..090204	-	-	-	MS1152	T7
E10MSTFP R/L 11A	10	13,0	-	7,0	150	-	-	-	-	-	3,2	-	-	-4,0	0,0	TP..110202	-	-	-	MS1153	T7
E12QSTFP R/L 11	12	16,0	-	9,0	180	-	-	-	-	-	4,8	-	-	-2,0	0,0	TP..110202	-	-	-	MS1153	T7
E16RSTFP R/L 11	16	20,0	-	11,0	200	-	-	-	-	-	5,5	-	-	0,0	0,0	TP..110202	-	-	-	MS1153	T7
E20SSTFP R/L 16	20	25,0	-	13,0	250	-	-	-	-	-	7,1	-	-	-2,0	0,0	TP..16T308	-	-	-	MS1155	T15

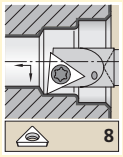
Bestellbeispiel:
Rechts: **E0512XSTFDR0725**

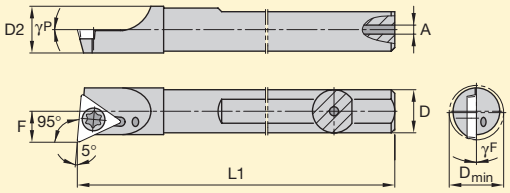


Links: **E0512XSTFDL0725**



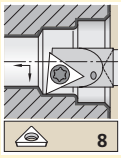
A-STLD 95°

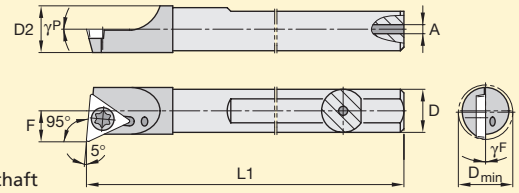




Stahlschaft mit Innenkühlung

E-STLD 95°

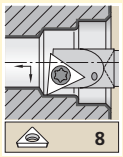


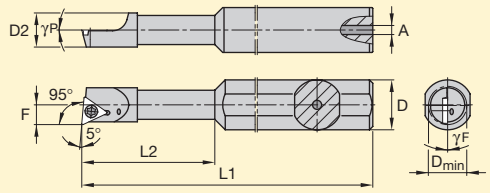


Vollhartmetallschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Schraube Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A06HSTLD R/L 07	6	7,1	6,2	3,7	100	-	-	-	-	-	1,0	-	-	0,0	0,0	**TD..07T1202**	-	-	-	**FC11**	T7
A08HSTLD R/L 07	8	9,2	8,2	4,8	100	-	-	-	-	-	2,0	-	-	0,0	0,0	**TD..07T1202**	-	-	-	**FC14**	T7
														γF°	γP°						
E06MSTLD R/L 07	6	7,1	6,2	3,7	150	-	-	-	-	-	1,2	-	-	0,0	0,0	**TD..07T1202**	-	-	-	**FC11**	T7
E08MSTLD R/L 07	8	9,2	8,2	4,8	150	-	-	-	-	-	2,4	-	-	0,0	0,0	**TD..07T1202**	-	-	-	**FC14**	T7

A-STLD 95°





abgesetzter Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Schraube Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A0512XSTLD R/L 0712	12	6,99	5,16	3,20	76	-	12,7	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC11**	T7
A0512XSTLD R/L 0725	12	6,99	5,16	3,20	76	-	25,4	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC11**	T7
A0612XSTLD R/L 0719	12	7,51	6,58	3,96	76	-	19,1	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
A0612XSTLD R/L 0731	12	7,51	6,58	3,96	76	-	31,7	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
A0812XSTLD R/L 0725	12	9,08	8,15	4,75	76	-	25,4	-	-	-	1,5	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
A0812XSTLD R/L 0738	12	9,08	8,15	4,75	76	-	38,1	-	-	-	1,5	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
A0516HSTLD R/L 0712	16	6,99	5,16	3,20	100	-	12,7	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC11**	T7
A0516HSTLD R/L 0725	16	6,99	5,16	3,20	100	-	25,4	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC11**	T7
A0616HSTLD R/L 0719	16	7,51	6,58	3,96	100	-	19,1	-	-	-	1,0	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
A0816HSTLD R/L 0725	16	9,08	8,15	4,75	100	-	25,4	-	-	-	1,5	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
A0816HSTLD R/L 0738	16	9,08	8,15	4,75	100	-	38,1	-	-	-	1,5	-	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7

Bestellbeispiel:
Rechts: **A06HSTLDR07**



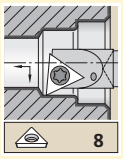
Links: **A06HSTLDL07**

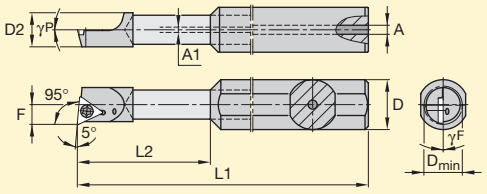


SCREW-ON Bohrstangen

SCREW-ON Wendeschneidplatten

E-STLD 95°

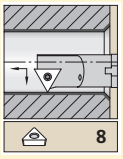


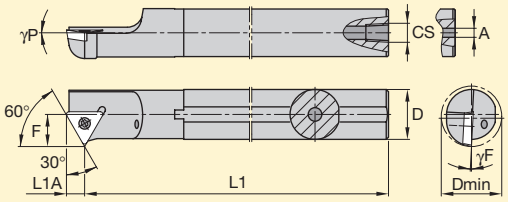


abgesetzter Hartmetall-schaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Schraube Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
E0512XSTLD R/L 0725	12	7,00	5,26	3,20	64	-	25,4	-	-	-	3,18	1,0	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC11**	T7
E0512GSTLD R/L 0750	12	7,00	5,26	3,20	90	-	50,8	-	-	-	3,18	1,0	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC11**	T7
E0612HSTLD R/L 0763	12	7,52	6,35	3,96	100	-	63,5	-	-	-	3,18	1,2	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
E0612ESTLD R/L 0731	12	7,52	6,35	3,96	70	-	31,7	-	-	-	3,18	1,2	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
E0812XSTLD R/L 0779	12	9,11	7,92	4,75	117	-	79,3	-	-	-	3,18	2,4	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
E0812XSTLD R/L 0738	12	9,11	7,92	4,75	76	-	38,1	-	-	-	3,18	2,4	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
E0516XSTLD R/L 0750	16	7,00	5,26	3,20	114	-	50,8	-	-	-	3,18	1,0	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC11**	T7
E0516XSTLD R/L 0725	16	7,00	5,26	3,20	90	-	25,4	-	-	-	3,18	1,0	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC11**	T7
E0616XSTLD R/L 0763	16	7,52	6,35	3,96	127	-	63,5	-	-	-	3,18	1,2	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
E0616XSTLD R/L 0731	16	7,52	6,35	3,96	95	-	31,7	-	-	-	3,18	1,2	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
E0816HSTLD R/L 0738	16	9,11	7,92	4,75	100	-	38,1	-	-	-	3,18	2,4	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7
E0816LSTLD R/L 0779	16	9,11	7,92	4,75	140	-	79,3	-	-	-	3,18	2,4	-	0,0	5,0	**TD..07T1202**	-	-	-	**FC14**	T7

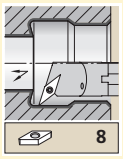
A-STWP 60°

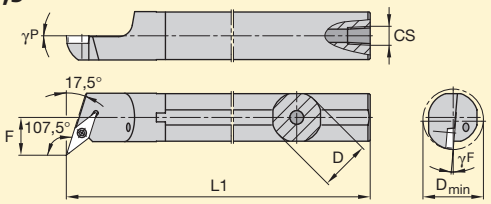




Stahlschaft mit Innenkühlung

A-SVQB 107,5°





Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Schraube Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A10KSTWP R/L 11	10	13,0	-	7,0	125	-	-	-	-	5,0	3,2	-	-	-4,0	0,0	**TP..110204**	-	-	-	**MS1153**	T7
A12MSTWP R/L 11	12	16,0	-	9,0	150	-	-	-	-	5,0	-	-	1/16-27 NPT	-2,0	0,0	**TP..110204**	-	-	-	**MS1153**	T7
A16RSTWP R/L 11	16	20,0	-	11,0	200	-	-	-	-	5,0	-	-	1/8-27 NPT	-2,0	0,0	**TP..110204**	-	-	-	**MS1153**	T7
														γF°	γP°						
A16RSVQB R/L 11	16	20,0	-	11,0	200	-	-	-	-	-	-	-	1/8-27 NPT	-7,0	0,0	**VB..110304**	-	-	-	**MS1153**	T7
A20SSVQB R/L 11	20	25,0	-	13,0	250	-	-	-	-	-	-	-	1/8-27 NPT	-6,0	0,0	**VB..110304**	-	-	-	**MS1153**	T7
A25TSVQB R/L 16	25	32,0	-	17,0	300	-	-	-	-	-	-	-	1/4-18 NPT	-6,0	0,0	**VB..160408**	-	-	-	**MS1155**	T15

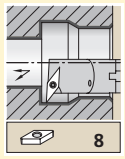
Order example:
Rechts: **E0512XSTLDR0725**

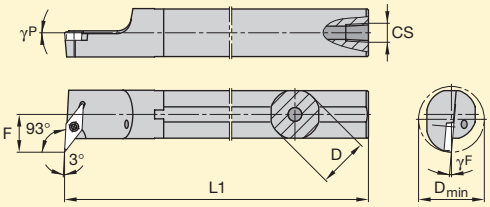


Links: **E0512XSTLDL0725**



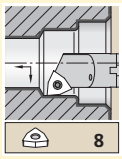
A-SVUB 93°

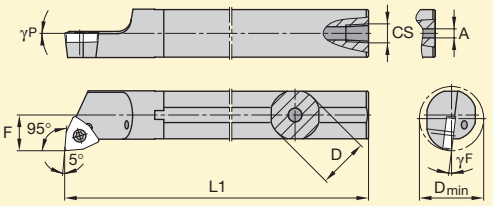




Stahlschaft mit Innenkühlung

A-SWLC 95°

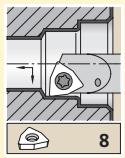


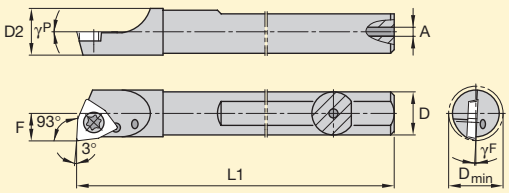


Stahlschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A20SSVUB R/L 11	20	25,0	-	13,0	250	-	-	-	-	-	-	-	1/8-27 NPT	-6,0	0,0	**VB..110304**	-	-	-	**MS1153**	T7
A25TSVUB R/L 16	25	32,0	-	17,0	300	-	-	-	-	-	-	-	1/4-18 NPT	-6,0	0,0	**VB..160408**	-	-	-	**MS1155**	T15
														γF°	γP°						
A10KSWLC R/L 04	10	13,0	-	7,0	125	-	-	-	-	-	3,0	-	-	-7,0	0,0	**WC..040204**	-	-	-	**MS1153**	T7
A12MSWLC R/L 04	12	16,0	-	9,0	150	-	-	-	-	-	-	-	1/16-27 NPT	-6,0	0,0	**WC..040204**	-	-	-	**MS1153**	T7
A16RSWLC R/L 06	16	20,0	-	11,0	200	-	-	-	-	-	-	-	1/8-27 NPT	-7,0	0,0	**WC..06T308**	-	-	-	**MS1155**	T15
A20SSWLC R/L 06	20	25,0	-	13,0	250	-	-	-	-	-	-	-	1/8-27 NPT	-5,0	0,0	**WC..06T308**	-	-	-	**MS1155**	T15

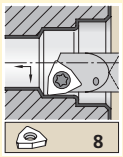
A-SWUD 93°

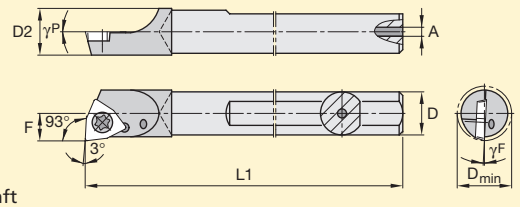




Stahlschaft mit Innenkühlung

E-SWUD 93°





Vollhartmetallschaft mit Innenkühlung

Katalognummer Rechts/Links	D	Dmin	D2	F	L1	L	L2	L4	CD	L1A	A	A1	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube f. Unter-lage	Hex (mm)	Schraube für WPL	Torx
A05HSWUD R/L S3	5	6,6	5,2	3,2	100	-	-	-	-	-	1,0	-	-	0,0	0,0	**WP..S30102**	-	-	-	**GTM11**	T6
A06HSWUD R/L S3	6	6,8	6,2	3,4	100	-	-	-	-	-	1,0	-	-	0,0	0,0	**WP..S30102**	-	-	-	**GTM11**	T6
A08HSWUD R/L S3	8	8,8	8,2	4,4	100	-	-	-	-	-	2,0	-	-	0,0	0,0	**WP..S30102**	-	-	-	**GTM11**	T6
A10KSWUD R/L 04	10	10,8	10,2	5,6	125	-	-	-	-	-	3,0	-	-	0,0	0,0	**WP..040202**	-	-	-	**GTM11**	T6
A12MSWUD R/L 04	12	12,8	12,2	6,6	150	-	-	-	-	-	3,0	-	-	0,0	0,0	**WP..040202**	-	-	-	**GTM11**	T6
														γF°	γP°						
E05MSWUD R/L S3	5	6,6	5,2	3,2	150	-	-	-	-	-	1,0	-	-	0,0	0,0	**WP..S30102**	-	-	-	**MS1438**	T5
E06MSWUD R/L S3	6	6,8	6,2	3,4	150	-	-	-	-	-	1,2	-	-	0,0	0,0	**WP..S30102**	-	-	-	**MS1438**	T5
E08MSWUD R/L S3	8	8,8	8,2	4,4	150	-	-	-	-	-	2,4	-	-	0,0	0,0	**WP..S30102**	-	-	-	**MS1438**	T5
E10SSWUD R/L 04	10	10,8	10,2	5,6	250	-	-	-	-	-	3,2	-	-	0,0	0,0	**WP..040202**	-	-	-	**MS1153**	T7
E12SSWUD R/L 04	12	12,8	12,2	6,6	250	-	-	-	-	-	4,7	-	-	0,0	0,0	**WP..040202**	-	-	-	**MS1153**	T7

Bestellbeispiel:
Rechts: **A20SSVUBR11**



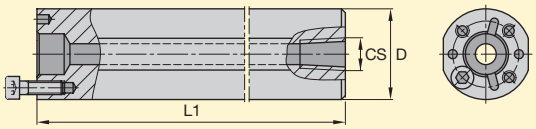
Links: **A20SSVUBL11**



Auswechselbare Bohrköpfe

Bohrkopfaufnahmen

BS

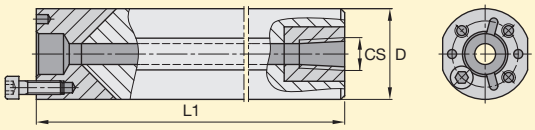


Stahlschaft mit Innenkühlung

Länge-Durchmesser-Verhältnis: max. 4:1

Katalognummer	D	L1	CS	L12	L1min	Schraube (3 Stk)	Schraube	Hex (mm)
BS25R	25	160	RP 1/4	-	-	**MS319**	**MS322**	3
BS32S	32	210	RP 3/8	-	-	**MS412**	**MS330**	4
BS40T	40	260	RP 3/8	-	-	**MS412**	**MS330**	4
BS50U	50	310	RP 3/8	-	-	**MS337**	**MS339**	5
BS60V	60	360	RP 3/8	-	-	**MS337**	**MS339**	5

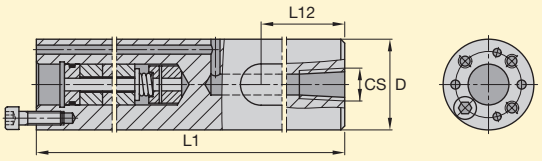
BC



Vollhartmetallschaft mit Innenkühlung

Länge-Durchmesser-Verhältnis: max. 6:1

BSD



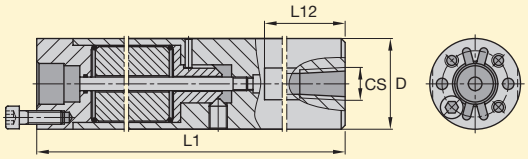
Stahlschaft DeVibrator mit Innenkühlung

Länge-Durchmesser-Verhältnis: max. 6:1

Katalognummer	D	L1	CS	L12	L1min	Schraube (3 Stk)	Schraube	Hex (mm)
BC25T	25	260	RP 1/4	-	-	**MS319**	**MS322**	3
BC32U	32	310	RP 3/8	-	-	**MS412**	**MS330**	4
BC40V	40	360	RP 3/8	-	-	**MS412**	**MS330**	4
BC50W	50	410	RP 3/8	-	-	**MS337**	**MS339**	5
BC60Y	60	460	RP 3/8	-	-	**MS337**	**MS339**	5
BSD32U	32	310	RP 3/8	200	200	**MS412**	**MS330**	4
BSD40V	40	360	RP 3/8	248	228	**MS412**	**MS330**	4
BSD50W	50	410	RP 3/8	280	276	**MS337**	**MS339**	5
BSD60Y	60	460	RP 3/8	318	305	**MS337**	**MS339**	5

Bestellbeispiel:
BS25R

D...TTB



Einstellbarer Stahlschaft
mit Innenkühlung

Katalognummer	D	L1	CS	L12	L1min	Schraube (3 Stk.)	Schraube	Hex (mm)
D25MTTB400	25	381	Rp1/4	203	227	**MS1499**	**MS1322**	3
D32MTTB447	32	422	Rp3/8	267	332	**MS325**	**MS1130**	4
D40MTTB530	40	492	Rp3/8	305	300	**MS326**	**MS330**	4
D50MTTB700	50	670	Rp3/8	470	309	**MS337**	**MS339**	5



Einstellbarer Stahlschaft mit Innenkühlung

Die einstellbaren Bohrstangen von Kennametal sind mit einem inneren Dämpfungssystem ausgestattet, das der Vermeidung von Rattern beim Tieflochbohren dient. Wir fertigen nicht nur die aufgeführten einstellbaren Standardbohrstangen - Kennametal ist in der Lage, einstellbare Produkte in allen möglichen Ausführungen und Größen zu konstruieren und herzustellen. Bohrstangen, Verlängerungen, Klemmhalter, drehbare Aufnahmen und modulare Profile sind nur einige Beispiele für Produkte mit Einstellmechanismen.
Die Eigenschaften und Vorteile unseres patentierten Systems für einstellbare Bohrstangen ermöglichen entscheidende Produktivitätssteigerungen bei der Metallzerspanung.

Eigenschaften und Vorteile

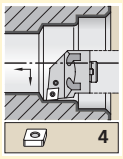
- Fertigen tiefer Bohrungen ohne Rattern oder Vibrationen.
- Verlängerung der Schnitttiefe und Steigerung der Spanabnahme bei großer Auskragung.
- Engere Toleranzeinhaltung und Verringerung der Ausschussrate.
- Ermöglicht einen Einsatzbereich von Länge-zu-Durchmesser-Verhältnissen von 6:1 bis 10:1.
- Sorgt für eine verlängerte Lebensdauer.
- Bohrstangen werden werkseitig voreingestellt für einen Einsatzbereich von 10:1 geliefert.
- Bohrstangen können von Hand nachjustiert werden, um optimale Schnittbedingungen zu erzielen.

Bestellbeispiel:
D25MTTB400

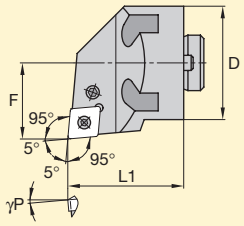
KENLEVER Bohrköpfe

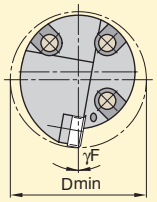
KENLOC Wendeschneidplatten

H-PCLN 95°

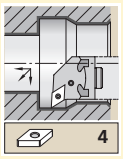


Mit Innenkühlung

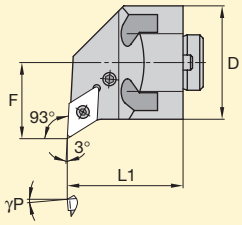


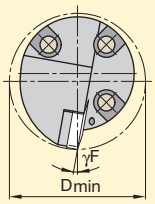


H-PDUN 93°



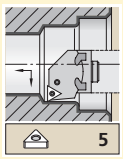
Mit Innenkühlung



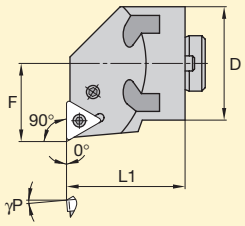


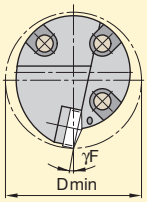
Katalognummer Rechts/Links	D	F	L1	Dmin	γF°	γP°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus
H32PCLN R/L 12	32	22	41	40	-10,0	-5,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15IP
H40PCLN R/L 12	40	27	41	50	-10,0	-5,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15IP
H50PCLN R/L 12	50	35	41	63	-10,0	-5,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15IP
					γF°	γP°							
H32PDUN R/L 15	32	25	41	43	-12,0	-5,0	**DN..150608**	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15IP
H40PDUN R/L 15	40	27	41	50	-10,0	-5,0	**DN..150608**	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15IP
H50PDUN R/L 15	50	35	41	63	-10,0	-5,0	**DN..150608**	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15IP

H-PTFN 90°



Mit Innenkühlung





Katalognummer Rechts/Links	D	F	L1	Dmin	γF°	γP°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus
H32PTFN R/L 16	32	22	41	40	-10,0	-5,0	**TN..160408**	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10IP
H40PTFN R/L 16	40	27	41	50	-10,0	-5,0	**TN..160408**	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10IP
H50PTFN R/L 16	50	35	41	63	-8,0	-5,0	**TN..160408**	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10IP

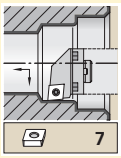
Bestellbeispiel:
Rechts: **H32PCLNR12**



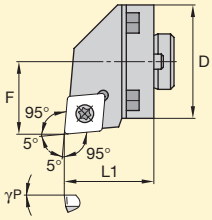
Links: **H32PCLNL12**

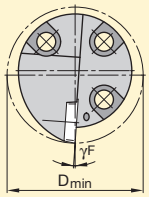


H-SCLC 95°

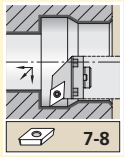


Mit Innenkühlung

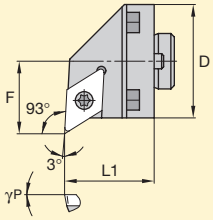


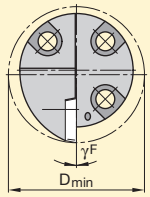


H-SDUC 93°



Mit Innenkühlung





Katalognummer Rechts/Links	D	F	L1	Dmin	γF°	γP°	Wende-schneid-platte	Schraube für Wende-schneidplatte	Torx
H25SCLC R/L 09	25	17	20	32	-3,0	0,0	**CC..09T308**	**MS1155**	T15
H32SCLC R/L 09	32	22	25	40	-3,0	0,0	**CC..09T308**	**MS1155**	T15

Katalognummer Rechts/Links	D	F	L1	Dmin	γF°	γP°			
H25SDUC R/L 11	25	17	20	32	-3,0	0,0	**DC..11T308**	**MS1155**	T15
H32SDUC R/L 11	32	22	25	40	-3,0	0,0	**DC..11T308**	**MS1155**	T15

Bestellbeispiel:
Rechts: **H255CLCR09**



Links: **H255CLCL09**



Kennzeichnungssystem für Kurzklemmhalter

1. Art der Klemmung

C KENDEX
S SCREW-ON
M KENLOC
P KENLEVER

2. Form der Wendeschneidplatte

C 80°
D 55°
R
S 90°
T 60°
W 80°

5. Richtung des Werkzeugs

R L

Beispiel:

M	C	L	N	R

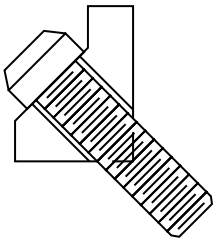
3. Halterform oder Einstellwinkel

A 0°
B 15°
C 0°
D 45°
E 30°
F 0°
G 0°
H 50°
J 3°
K 15°
L 5° 5°
M 40°
P 27,5°
Q 27,5°
R 15°
S 45°
U 3°
V 17,5°
Y 5°

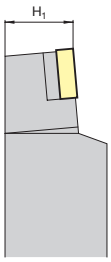
4. Normalfreiwinkel der Wendeschneidplatte

N 0°
D 15°
B 5°
E 20°
C 7°
F 25°
P 11°

*Nur Kennametal-Standard

7. Kurzklemmhalter-Kennzeichnung	8. Kurzklemmhalter-Montage		9. Wendeschneidplatten-Größe	
C – Kurzklemmhalter	 A – winklig gemäß ISO 5611		Schneidkantenlänge L10 C  T  D  W  S  R 	
20	**C**	**A**	**-**	**12**

6. Kurzklemmhalter-Größe

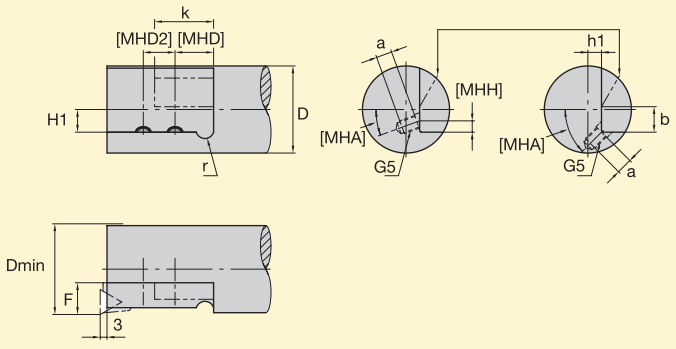


H = Schneidkantenhöhe des Kurzklemmhalters in Millimetern

10. Zubehör

C – metrische Gewinde, Zoll-Sechskantantrieb
A – metrische Gewinde, metrischer Sechskantantrieb
T – metrische Gewinde, Torx-Antrieb

Einbaumaße für Kurzklemmhalter

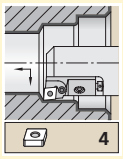


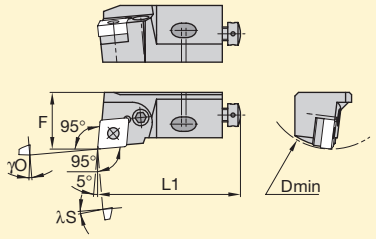
Kurzklemmhaltergröße	H1	h1	Dmin	D	a	b	[MHD]	F	k	r	[MHH]	[MHD2]	[MHA]	[G5]
06	6	2,0	20	17	10	11	12	8	12,0	4,0	3,5	-	20	M 3,5 x 0,60
08	8	2,5	25	22	10	14	17	10	18,5	5,0	4,5	-	20	M 4,0 x 0,70
10	10	6,0	40	37	14	16	20	14	26,0	8,0	5,0	-	20	M 6,0 x 1,00
12	12	5,0	50	47	14	21	20	20	28,0	9,5	6,0	-	20	M 6,0 x 1,00
16	16	5,0	60	57	15	24	25	25	34,0	9,5	-	-	45	M 8,0 x 1,25
20	20	10,0	70	67	15	31	30	25	36,0	9,5	-	-	45	M 8,0 x 1,25
25	25	18,0	100	97	19	36	30	32	60,0	12,5	-	20	45	M10,0 x 1,50

KENLEVER Kurzklemmhalter

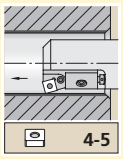
KENLOC Wendeschneidplatten

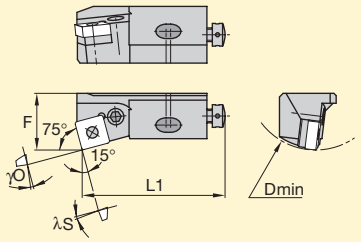
PCLN 95°





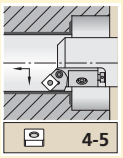
PSKN 75°

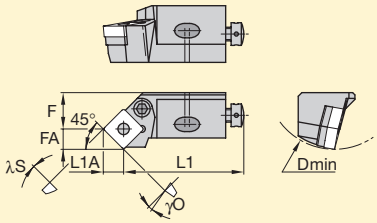




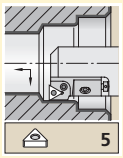
Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm)
PCLN R/L 12CA12	50	20,0	55	-	-	-6,0	-9,0	**CN..120408**	-	-	-	**511.022**	**514.122**	10IP	**191.282**	2	**192.428**	**191.406**	4
PCLN R/L 16CA12	55	25,0	63	-	-	-6,0	-7,0	**CN..120408**	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15IP	**190.649**	2,5	**192.428**	**191.407**	5
						λS°	γO°												
PSKN R/L 12CA12	50	20,0	55	-	3,0	-6,0	-8,0	**SN..120408**	-	-	-	**511.022**	**514.122**	10IP	**191.282**	2	**192.428**	**191.406**	4
PSKN R/L 16CA12	55	25,0	63	-	2,5	-6,0	-6,0	**SN..120408**	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15IP	**190.649**	2,5	**192.428**	**191.407**	5

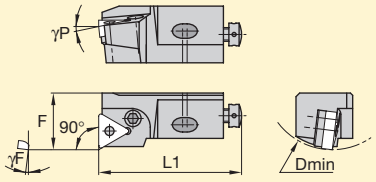
PSSN 45°





PTFN 90°





Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Rohr-stift	Montage-dorn	Knie-hebel	Spann-schraube	Torx Plus	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm)
PSSN R/L 12CA12	50	11,7	47	8,3	8,3	0,0	-10,0	**SN..120408**	-	-	-	**511.022**	**514.122**	10IP	**191.282**	2	**192.428**	**191.406**	4
PSSN R/L 16CA12	55	16,7	53	8,3	8,3	0,0	-10,0	**SN..120408**	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15IP	**190.649**	2,5	**192.428**	**191.407**	5
						γF°	γP°												
PTFN R/L 12CA16	50	20,0	55	-	-	-7,0	-6,0	**TN..160408**	-	-	-	**511.030**	**514.112**	8IP	**191.282**	2	**192.428**	**191.406**	4
PTFN R/L 16CA16	55	25,0	63	-	-	-7,0	-6,0	**TN..160408**	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10IP	**190.649**	2,5	**192.428**	**191.407**	5

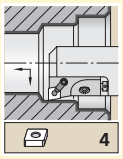
Bestellbeispiel:
Rechts: **PCLNR12CA12**

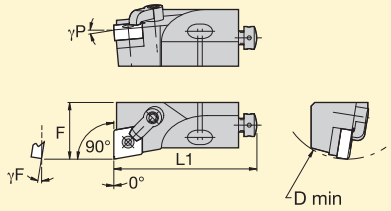


Links: **PCLNL12CA12**



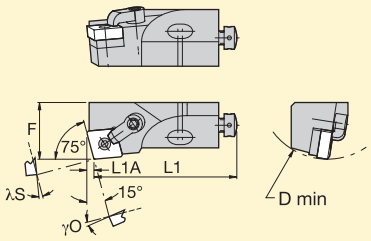
MCFN 90°





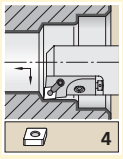
MCKN 75°

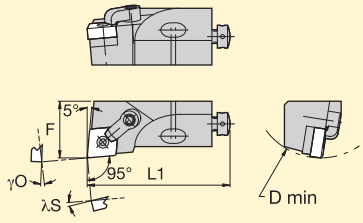




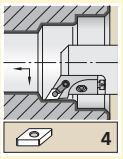
Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	γF°	γP°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm)
MCFN R/L 12CA12A	50	20,0	55	-	-	-9,0	-5,0	**CN..120408**	**-**	**KLM43**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM31**	**MS965**	5
MCFN R/L 16CA12A	60	25,0	63	-	-	-9,0	-5,0	**CN..120408**	**ICSN432**	**KLM46S**	2,5	**CKM34**	**STCM9**	2,5	**KUAM25**	2,5	**KUAM32**	**MS353**	6
MCFN R/L 20CA12A	70	25,0	70	-	-	-9,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM34**	**STCM9**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6
						λS°	γO°												
MCKN R/L 12CA12A	50	20,0	55	-	3,08	-9,0	-5,0	**CN..120408**	**-**	**KLM43**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM31**	**MS965**	5
MCKN R/L 16CA12A	60	25,0	63	-	3,08	-9,0	-5,0	**CN..120408**	**ICSN432**	**KLM46S**	2,5	**CKM34**	**STCM9**	2,5	**KUAM25**	2,5	**KUAM32**	**MS353**	6
MCKN R/L 20CA12A	70	25,0	70	-	3,08	-9,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM34**	**STCM9**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6

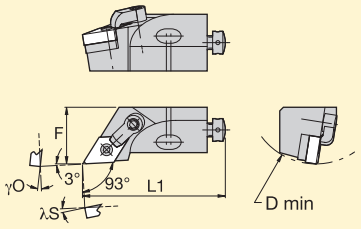
MCLN 95°





MDJN 93°





Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm)
MCLN R/L 12CA12A	50	20,0	55	-	-	-9,0	-5,0	**CN..120408**	**-**	**KLM43**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM31**	**MS965**	5
MCLN R/L 16CA12A	60	25,0	63	-	-	-9,0	-5,0	**CN..120408**	**ICSN432**	**KLM46S**	2,5	**CKM34**	**STCM9**	2,5	**KUAM25**	2,5	**KUAM32**	**MS353**	6
MCLN R/L 20CA12A	70	25,0	70	-	-	-9,0	-5,0	**CN..120408**	**ICSN432**	**KLM46**	2,5	**CKM34**	**STCM9**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6
MCLNR25CA19A	100	32,0	100	-	-	-9,0	-5,0	**CN..190612**	**ICSN633**	**KLM68**	4	**CKM35**	**STCM8**	4	**KUAM27**	4	**KUAM33**	**MS364**	8
						λS°	γO°												
MDJN R/L 16CA15A	60	25,0	63	-	-	-9,0	-9,0	**DN..150408**	**IDSN432**	**KLM46S**	2,5	**CKM34**	**STCM9**	2,5	**KUAM25**	2,5	**KUAM32**	**MS353**	6
MDJN R/L 20CA15A	70	25,0	70	-	-	-8,5	-8,5	**DN..150408**	**IDSN432**	**KLM46**	2,5	**CKM41**	**STCM40**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6

Bestellbeispiel:
Rechts: **MCFNR12CA12A**



Links: **MCFNL12CA12A**

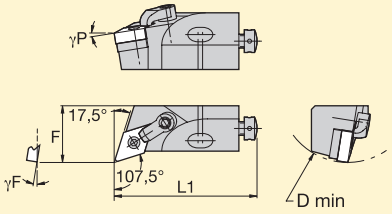


KENLOC Kurzklemmhalter

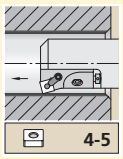
KENLOC Wendeschneidplatten

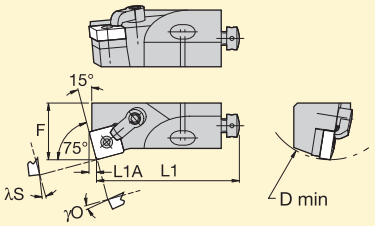
MDQN 107,5°





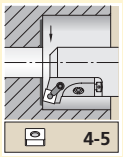
MSKN 75°

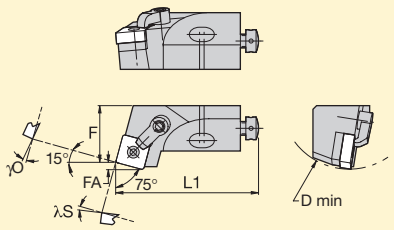




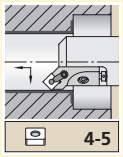
Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	γF°	γP°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm)
MDQN R/L 16CA15A	60	25,0	63	-	-	-9,0	-6,0	**DN..150408**	**IDSN432**	**KLM46S**	2,5	**CKM34**	**STCM9**	2,5	**KUAM25**	2,5	**KUAM32**	**MS353**	6
MDQN R/L 20CA15A	70	25,0	70	-	-	-8,5	-8,5	**DN..150408**	**IDSN432**	**KLM46**	2,5	**CKM41**	**STCM40**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6
						λS°	γO°												
MSKN R/L 10CA09A	40	14,0	50	-	2,22	-9,0	-5,0	**SN..090308**	-	**KLC33**	5/64	**CKM36**	**STCM38**	2	**KUAM22**	2	**KUAM30**	**MS965**	5
MSKN R/L 12CA12A	50	20,0	55	-	3,04	-9,0	-5,0	**SN..120408**	-	**KLM43**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM31**	**MS965**	5
MSKN R/L 16CA12A	60	25,0	63	-	3,04	-9,0	-5,0	**SN..120408**	**ISSN432**	**KLM46S**	2,5	**CKM34**	**STCM9**	2,5	**KUAM25**	2,5	**KUAM32**	**MS353**	6
MSKN R/L 20CA15A	70	25,0	70	-	3,74	-9,0	-5,0	**SN..150612**	**SKSN566K**	**KLM54**	2,5	**CKM37**	**STCM40**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6
MSKNR25CA19A	100	32,0	100,0	-	4,57	-9,0	-5,0	**SN..190612**	**ISSN633**	**KLM68**	4	**CKM35**	**STCM8**	4	**KUAM27**	4	**KUAM33**	**MS364**	8

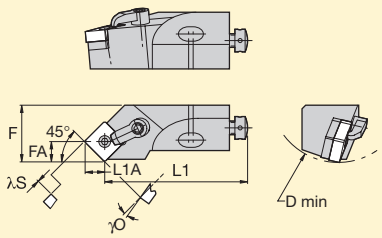
MSRN 75°





MSSN 45°

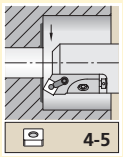


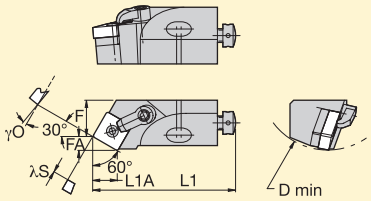


Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm)
MSRN R/L 10CA09A	40	14,0	50	2,24	-	-5,0	-9,0	**SN..090308**	-	**KLM33**	2	**CKM36**	**STCM38**	2	**KUAM22**	2	**KUAM30**	**MS966**	5
MSRN R/L 12CA12A	50	20,0	55	3,06	-	-5,0	-9,0	**SN..120408**	-	**KLM43**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM31**	**MS965**	5
MSRN R/L 16CA12A	60	25,0	63	3,06	-	-5,0	-9,0	**SN..120408**	**ISSN432**	**KLM46S**	2,5	**CKM34**	**STCM9**	2,5	**KUAM25**	2,5	**KUAM32**	**MS353**	6
MSRN R/L 20CA15A	70	25,0	70	3,77	-	-5,0	-9,0	**SN..150612**	**SKSN566K**	**KLM54**	2,5	**CKM37**	**STCM40**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6
MSRNR25CA19A	100	32,0	100	2,24	-	-5,0	-9,0	**SN..190612**	**ISSN633**	**KLM68**	4	**CKM35**	**STCM8**	4	**KUAM27**	4	**KUAM33**	**MS364**	8
						λS°	γO°												
MSSN R/L 10CA09A	40	14,0	44	6,41	6,09	0,0	-13,0	**SN..090308**	-	**KLC33**	5/64	**CKM36**	**STCM38**	2	**KUAM22**	2	**KUAM30**	**MS965**	5
MSSN R/L 12CA12A	50	20,0	47	8,66	8,33	0,0	-13,0	**SN..120408**	-	**KLM43**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM31**	**MS965**	5
MSSN R/L 16CA12A	60	25,0	53	8,66	8,33	0,0	-13,0	**SN..120408**	**ISSN432**	**KLM46S**	2,5	**CKM34**	**STCM9**	2,5	**KUAM25**	2,5	**KUAM32**	**MS353**	6
MSSN R/L 20CA15A	70	25,0	60	10,74	10,25	0,0	-13,0	**SN..150612**	**SKSN566K**	**KLM54**	2,5	**CKM37**	**STCM40**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6
MSSN R/L 25CA19A	100	32,0	87	12,98	12,50	0,0	-13,0	**SN..190612**	**ISSN633**	**KLM68**	4	**CKM35**	**STCM8**	4	**KUAM27**	4	**KUAM33**	**MS364**	8

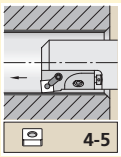
Bestellbeispiel:
Rechts: **MDQNR16CA15A** 
Links: **MDQNL16CA15A** 

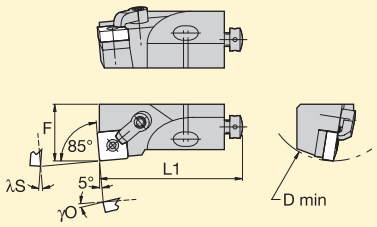
MSTN 60°





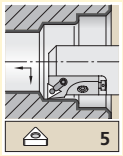
MSYN 85°

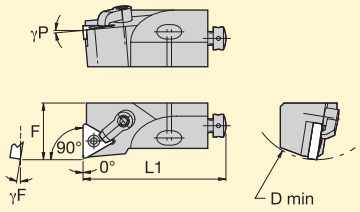




Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm)
MSTN R/L 10CA09A	40	9,0	50	4,31	7,46	0,0	-11,0	**SN..090308**	-	**KLC33**	5/64	**CKM36**	**STCM38**	2	**KUAM22**	2	**KUAM30**	**MS965**	5
MSTN R/L 12CA12A	50	13,0	55	5,90	10,21	0,0	-11,0	**SN..120408**	-	**KLM43**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM31**	**MS965**	5
MSTN R/L 16CA12A	60	15,0	63	5,90	10,21	0,0	-11,0	**SN..120408**	**ISSN432**	**KLM46S**	2,5	**CKM34**	**STCM9**	2,5	**KUAM25**	2,5	**KUAM32**	**MS353**	6
MSTN R/L 20CA15A	70	15,0	70	7,26	12,57	0,0	-11,0	**SN..150612**	**SKSN566K**	**KLM54**	2,5	**CKM37**	**STCM40**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6
						λS°	γO°												
MSYN R/L 10CA09A	40	14,0	50	-	0,75	-9,0	-5,0	**SN..090308**	-	**KLM33**	2	**CKM36**	**STCM38**	2	**KUAM22**	2	**KUAM30**	**MS965**	5
MSYN R/L 12CA12A	50	20,0	55	-	1,02	-9,0	-5,0	**SN..120408**	-	**KLM43**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM31**	**MS965**	5
MSYN R/L 16CA12A	60	25,0	63	-	1,02	-9,0	-5,0	**SN..120408**	**ISSN432**	**KLM46S**	2,5	**CKM34**	**STCM9**	2,5	**KUAM25**	2,5	**KUAM32**	**MS353**	6
MSYN R/L 20CA15A	70	25,0	70	-	1,26	-9,0	-5,0	**SN..150612**	**SKSN566K**	**KLM54**	2,5	**CKM37**	**STCM40**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6
MSYN R/L 25CA19A	100	32,0	100	-	1,54	-9,0	-5,0	**SN..190612**	**ISSN633**	**KLM68**	4	**CKM35**	**STCM8**	4	**KUAM27**	4	**KUAM33**	**MS364**	8

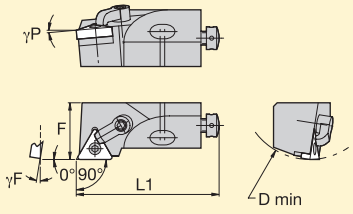
MTFN 90°





MTGN 90°





Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	γF°	γP°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm)
MTFN R/L 12CA16A	50	20,0	55	-	-	-9,0	-5,0	**TN..160408**	-	**KLM33L**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM31**	**MS965**	5
MTFN R/L 16CA16A	60	25,0	63	-	-	-9,0	-5,0	**TN..160408**	**ITSN322**	**KLM34L**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM32**	**MS353**	6
MTFN R/L 20CA22A	70	25,0	70	-	-	-9,0	-5,0	**TN..220408**	**ITSN433**	**KLM46**	2,5	**CKM35**	**STCM37**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6
MTFNR25CA27A	100	32,0	100	-	-	-9,0	-5,0	**TN..270612**	**ITSN534**	**KLM58**	3	**CKM38**	**STCM39**	3	**KUAM26**	3	**KUAM33**	**MS364**	8
						γF°	γP°												
MTGN R/L 12CA16A	50	20,0	55	-	-	-9,0	-5,0	**TN..160408**	-	**KLM33L**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM31**	**MS965**	5
MTGN R/L 16CA16A	60	25,0	63	-	-	-9,0	-5,0	**TN..160408**	**ITSN322**	**KLM34L**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM32**	**MS353**	6
MTGN R/L 20CA22A	70	25,0	70	-	-	-9,0	-5,0	**TN..220408**	**ITSN433**	**KLM46**	2,5	**CKM35**	**STCM37**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6
MTGNR25CA27A	100	32,0	100	-	-	-9,0	-5,0	**TN..270612**	**ITSN534**	**KLM58**	3	**CKM38**	**STCM39**	3	**KUAM26**	3	**KUAM33**	**MS364**	8

Bestellbeispiel:
Rechts: **MSTNR10CA09A**



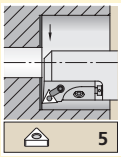
Links: **MSTNL10CA09A**

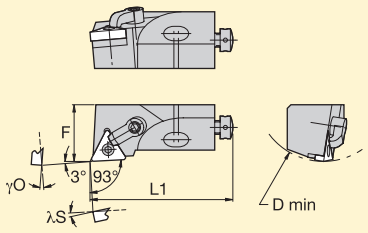


KENLOC Kurzklemmhalter

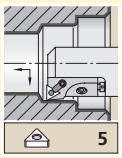
KENLOC Wendeschneidplatten

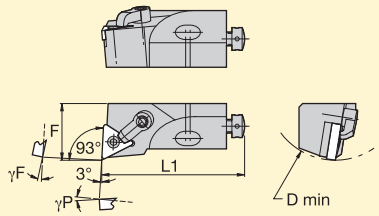
MTJN 93°





MTUN 93°





Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Spann-stift	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm)
MTJN R/L 12CA16A	50	20,0	55	-	-	-5,0	-9,0	**TN..160408**	**-**	**KLM33L**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM31**	**MS965**	5
MTJN R/L 16CA16A	60	25,0	63	-	-	-5,0	-9,0	**TN..160408**	**ITSN322**	**KLM34L**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM32**	**MS353**	6
MTJN R/L 20CA22A	70	25,0	70	-	-	-5,0	-9,0	**TN..220408**	**ITSN433**	**KLM46**	2,5	**CKM35**	**STCM37**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6
						γF°	γP°												
MTUN R/L 12CA16A	50	20,0	55	-	-	-9,0	-5,0	**TN..160408**	**-**	**KLM33L**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM31**	**MS965**	5
MTUN R/L 16CA16A	60	25,0	63	-	-	-9,0	-5,0	**TN..160408**	**ITSN322**	**KLM34L**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM32**	**MS353**	6
MTUN R/L 20CA22A	70	25,0	70	-	-	-9,0	-5,0	**TN..220408**	**ITSN433**	**KLM46**	2,5	**CKM35**	**STCM37**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6

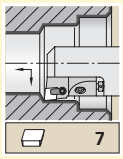
Bestellbeispiel:
Rechts: **MTJNR12CA16A**

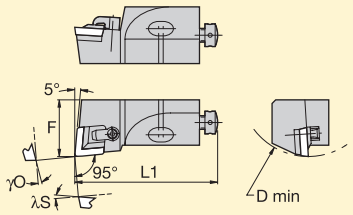


Links: **MTJNL12CA16A**

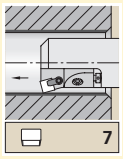


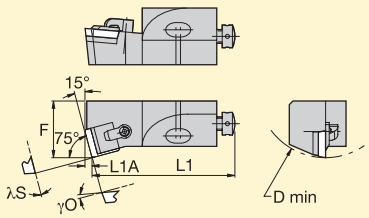
CCLP 95°





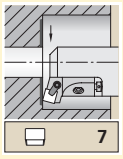
CSKP 75°

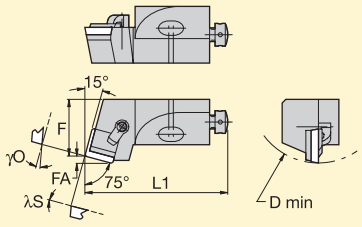




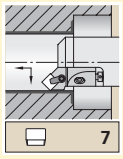
Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm)
CCLP R/L 12CA12A	50	20,0	55	-	-	3,5	3,5	**CP..120308**	**-**	**-**	-	**CKM34**	**STCM9**	2,5	**KUAM23**	2,5	**KUAM31**	**MS965**	5
CCLP R/L 16CA12A	60	25,0	63	-	-	3,5	3,5	**CP..120308**	**SM891**	**MS111**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM32**	**MS353**	6
CCLP R/L 20CA12A	70	25,0	70	-	-	3,5	3,5	**CP..120308**	**SM891**	**MS111**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM33**	**MS353**	6
						λS°	γO°												
CSKP R/L 10CA09A	40	14,0	50	-	2,2	0,0	5,0	**SP..090308**	**-**	**-**	-	**CKM34**	**STCM38**	2	**KUAM28**	2	**KUAM30**	**MS965**	5
CSKP R/L 12CA12A	50	20,0	55	-	3,1	0,0	5,0	**SP..120308**	**-**	**-**	-	**CKM34**	**STCM9**	2,5	**KUAM23**	2,5	**KUAM31**	**MS965**	5
CSKP R/L 16CA12A	60	25,0	63	-	3,1	0,0	5,0	**SP..120308**	**SM840**	**MS109**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM32**	**MS353**	6
CSKP R/L 20CA12A	70	25,0	70	-	3,1	0,0	5,0	**SP..120308**	**SM840**	**MS109**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM33**	**MS353**	6
CSKPR25CA19A	100	32,0	100	-	4,6	0,0	5,0	**SP..190412**	**SM836**	**MS125**	2,5	**CKM35**	**STCM37**	2,5	**KUAM25**	2,5	**KUAM33**	**MS364**	8

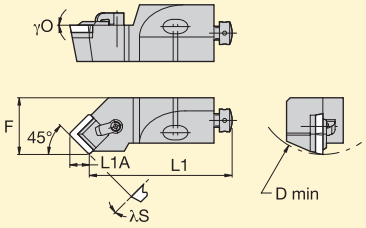
CSRP 75°





CSSP 45°





Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm)
CSRP R/L 10CA09A	40	14,0	50	2,2	-	0,0	0,0	**SP..090308**	**-**	**-**	-	**CKM34**	**STCM38**	2	**KUAM28**	2	**KUAM30**	**MS965**	5
CSRP R/L 12CA12A	50	20,0	55	3,1	-	0,0	3,0	**SP..120308**	**-**	**-**	-	**CKM34**	**STCM9**	2,5	**KUAM23**	2,5	**KUAM31**	**MS965**	5
CSRP R/L 16CA12A	60	25,0	63	3,1	-	0,0	0,0	**SP..120308**	**SM840**	**MS109**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM32**	**MS353**	6
CSRP R/L 20CA12A	70	25,0	70	3,1	-	0,0	3,0	**SP..120308**	**SM840**	**MS109**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM33**	**MS353**	6
						λS°	γO°												
CSSP R/L 10CA09A	40	14,0	44	6,4	-	0,0	0,0	**SP..090308**	**-**	**-**	-	**CKM34**	**STCM38**	2	**KUAM28**	2	**KUAM30**	**MS965**	5
CSSP R/L 12CA12A	50	20,0	47	8,7	-	0,0	0,0	**SP..120308**	**-**	**-**	-	**CKM34**	**STCM9**	2,5	**KUAM23**	2,5	**KUAM31**	**MS965**	5
CSSP R/L 16CA12A	60	25,0	53	8,7	-	0,0	0,0	**SP..120308**	**SM840**	**MS109**	2	**CKM34**	**STCM38**	2	**KUAM22**	2	**KUAM32**	**MS353**	6
CSSP R/L 20CA12A	70	25,0	60	8,7	-	0,0	0,0	**SP..120308**	**SM840**	**MS109**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM33**	**MS353**	6
CSSP R/L 25CA19A	100	32,0	87	13,0	-	0,0	0,0	**SP..190412**	**SM836**	**MS125**	2,5	**CKM35**	**STCM37**	2,5	**KUAM25**	2,5	**KUAM33**	**MS364**	8

Bestellbeispiel:
Rechts: **CCLPR12CA12A**



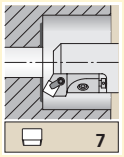
Links: **CCLPL12CA12A**

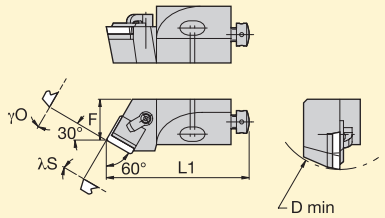


KENDEX Kurzklemmhalter

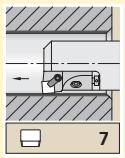
KENDEX positive Wendeschneidplatten

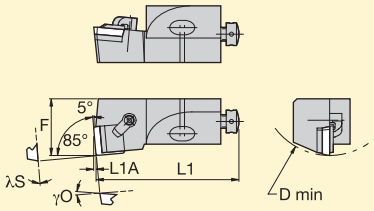
CSTP 60°





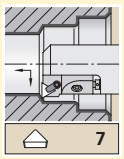
CSYP 85°

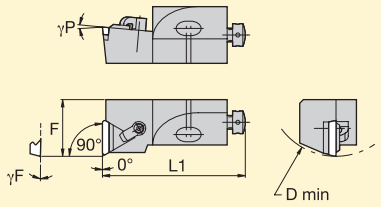




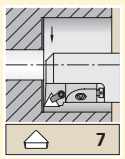
Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm)
CSTP R/L 10CA09A	40	9,0	50	-	-	0,0	0,0	**SP..090308**	**-**	**-**	-	**CKM34**	**STCM38**	2	**KUAM28**	2	**KUAM30**	**MS965**	5
CSTP R/L 12CA12A	50	13,0	55	-	-	0,0	0,0	**SP..120308**	**-**	**-**	-	**CKM34**	**STCM9**	2,5	**KUAM23**	2,5	**KUAM31**	**MS965**	5
CSTP R/L 16CA12A	60	15,0	63	-	-	0,0	3,0	**SP..120308**	**SM840**	**MS109**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM32**	**MS353**	6
CSTP R/L 20CA12A	70	15,0	70	-	-	0,0	5,0	**SP..120308**	**SM840**	**MS109**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM33**	**MS353**	6
CSTPR25CA19A	100	20,0	100	-	-	0,0	5,0	**SP..190412**	**SM836**	**MS125**	2,5	**CKM35**	**STCM37**	2,5	**KUAM25**	2,5	**KUAM33**	**MS364**	8
						λS°	γO°												
CSYP R/L 10CA09A	40	14,0	50	-	0,8	0,0	5,0	**SP..090308**	**-**	**-**	-	**CKM34**	**STCM38**	2	**KUAM28**	2	**KUAM30**	**MS965**	5
CSYP R/L 12CA12A	50	20,0	55	-	1,0	0,0	5,0	**SP..120308**	**-**	**-**	-	**CKM34**	**STCM9**	2,5	**KUAM23**	2,5	**KUAM31**	**MS965**	5
CSYPR16CA12A	60	25,0	63	-	1,0	0,0	5,0	**SP..120308**	**SM840**	**MS109**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM32**	**MS353**	6
CSYP R/L 20CA12A	70	25,0	70	-	1,0	0,0	5,0	**SP..120308**	**SM840**	**MS109**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM33**	**MS353**	6
CSYPR25CA19A	100	32,0	100	-	1,5	0,0	5,0	**SP..190412**	**SM836**	**MS125**	2,5	**CKM35**	**STCM37**	2,5	**KUAM25**	2,5	**KUAM33**	**MS364**	8

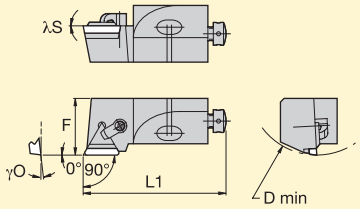
CTFP 90°





CTGP 90°

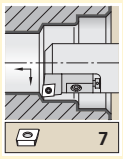


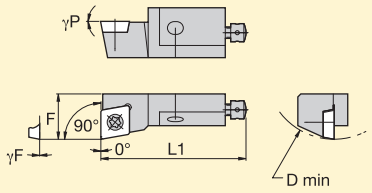


Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm)
CTFP R/L 10CA11A	40	14,0	50	-	-	0,0	5,0	**TP..110304**	**-**	**-**	-	**CKM36**	**STCM38**	2	**KUAM28**	2	**KUAM30**	**MS965**	5
CTFP R/L 12CA16A	50	20,0	55	-	-	0,0	5,0	**TP..160308**	**-**	**-**	-	**CKM34**	**STCM9**	2,5	**KUAM23**	2,5	**KUAM31**	**MS965**	5
CTFP R/L 16CA16A	60	25,0	63	-	-	0,0	5,0	**TP..160308**	**SM841**	**MS109**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM32**	**MS353**	6
CTFP R/L 20CA22A	70	25,0	70	-	-	0,0	5,0	**TP..220408**	**SM837**	**MS125**	2,5	**CKM35**	**STCM37**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6
						λS°	γO°												
CTGP R/L 10CA11A	40	14,0	50	-	-	0,0	3,0	**TP..110304**	**-**	**-**	-	**CKM36**	**STCM38**	2	**KUAM28**	2	**KUAM30**	**MS965**	5
CTGP R/L 12CA16A	50	20,0	55	-	-	0,0	3,0	**TP..160308**	**-**	**-**	-	**CKM34**	**STCM9**	2,5	**KUAM23**	2,5	**KUAM31**	**MS965**	5
CTGP R/L 16CA16A	60	25,0	63	-	-	0,0	3,0	**TP..160308**	**SM841**	**MS109**	2	**CKM34**	**STCM38**	2	**KUAM24**	2	**KUAM32**	**MS353**	6
CTGP R/L 20CA22A	70	25,0	70	-	-	0,0	3,0	**TP..220408**	**SM837**	**MS125**	2,5	**CKM35**	**STCM37**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6

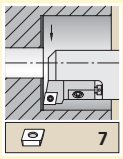
Bestellbeispiel:
Rechts: **CSTPR10CA09A** 
Links: **CSTPL10CA09A** 

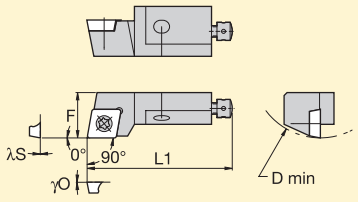
SCFP 90°





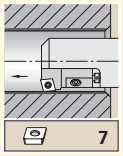
SCGP 90°

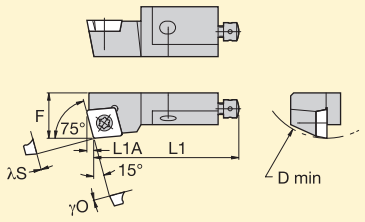




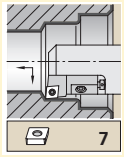
Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	γF°	γP°	Wende-schneid-platte	Schraube für Wendeschneid-platte	Torx	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Torx
SCFP R/L 06CA05	20	8,0	25	-	-	0,0	0,0	**CP..050204**	**MS1152**	T7	**KUAM34**	1,5	**KUAM35**	**MS1200**	T10
SCFP R/L 08CA06	25	10,0	32	-	-	0,0	0,0	**CP..060204**	**MS1153**	T7	**KUAM28**	2	**KUAM20**	**MS1199**	T15
						λS°	γO°								
SCGP R/L 06CA05	20	8,0	25	-	-	0,0	0,0	**CP..050204**	**MS1152**	T7	**KUAM34**	1,5	**KUAM35**	**MS1200**	T10
SCGP R/L 08CA06	25	10,0	32	-	-	0,0	0,0	**CP..060204**	**MS1153**	T7	**KUAM28**	2	**KUAM20**	**MS1199**	T15

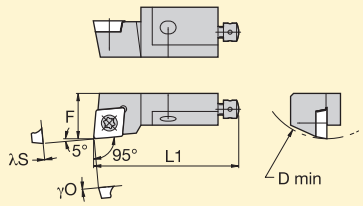
SCKP 75°





SCLC 95°





Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Schraube für Wendeschneid-platte	Torx	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm) oder Torx
SCKP R/L 08CA06	25	10,0	32	-	1,6	0,0	0,0	**CP..060204**	**MS1153**	T7	**KUAM28**	2	**KUAM20**	**MS1199**	T15
						λS°	γO°								
SCLC R/L 12CA12	50	20,0	55	-	-	0,0	0,0	**CC..120408**	**MS1157**	T15	**KUAM23**	2,5	**KUAM31**	**MS965**	5
SCLC R/L 16CA12	60	25,0	63	-	-	0,0	0,0	**CC..120408**	**MS1157**	T15	**KUAM27**	4	**KUAM32**	**MS353**	6

Bestellbeispiel:
Rechts: **SCFPR06CA05**



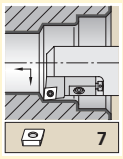
Links: **SCFPL06CA05**

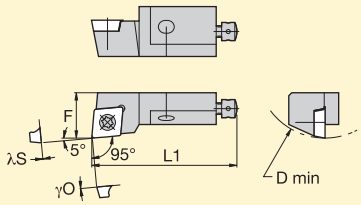


SCREW-ON Kurzklemmhalter

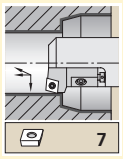
SCREW-ON Wendeschneidplatten

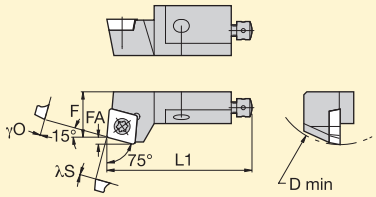
SCLP 95°





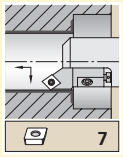
SCRP 75°

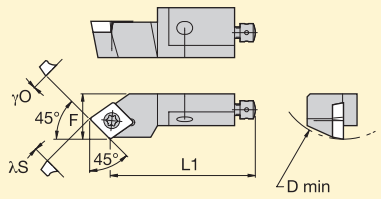




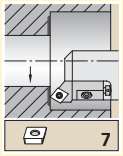
Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Schraube für Wendeschneid-platte	Torx	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm) oder Torx
SCLP R/L 06CA05	20	8,0	25	-	-	0,0	0,0	**CP..050204**	**MS1152**	T7	**KUAM34**	1,5	**KUAM35**	**MS1200**	T10
SCLP R/L 08CA06	25	10,0	32	-	-	0,0	0,0	**CP..060204**	**MS1153**	T7	**KUAM28**	2	**KUAM20**	**MS1199**	T15
SCLP R/L 10CA09	40	14,0	50	-	-	0,0	0,0	**CP..09T308**	**MS1155**	T15	**KUAM23**	2,5	**KUAM30**	**MS966**	5
						λS°	γO°								
SCRP R/L 08CA06	25	10,0	32	1,6	-	0,0	0,0	**CP..060204**	**MS1153**	T7	**KUAM28**	2	**KUAM20**	**MS1199**	T15

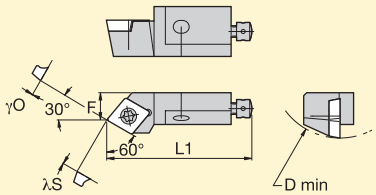
SCSP 45°





SCTP 60°





Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Schraube für Wendeschneid-platte	Torx	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Torx
SCSP R/L 06CA05	20	8,0	21	-	-	0,0	0,0	**CP..050204**	**MS1152**	T7	-	-	**KUAM35**	**MS1200**	T10
SCSP R/L 08CA06	25	10,0	28	-	-	0,0	0,0	**CP..060204**	**MS1153**	T7	**KUAM28**	2	**KUAM20**	**MS1199**	T15
						λS°	γO°								
SCTP R/L 06CA05	20	5,5	25	-	-	0,0	0,0	**CP..050204**	**MS1152**	T7	-	-	**KUAM35**	**MS1200**	T10
SCTP R/L 08CA06	25	6,0	32	-	-	0,0	0,0	**CP..060204**	**MS1152**	T7	**KUAM28**	2	**KUAM20**	**MS1199**	T15

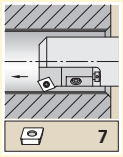
Bestellbeispiel:
Rechts: **SCLPR06CA05**

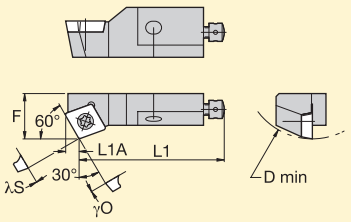


Links: **SCLPL06CA05**

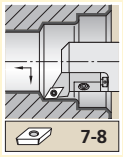


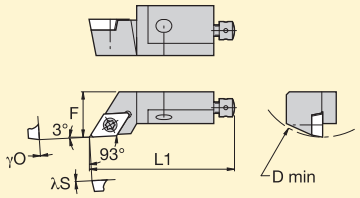
SCWP 60°





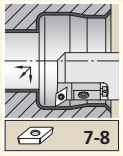
SDJP 93°

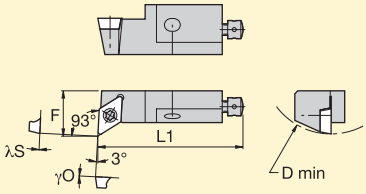




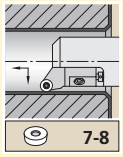
Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Schraube für Wendeschneid-platte	Torx	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Torx
SCWP R/L 08CA06	25	10,0	32	-	3,0	0,0	0,0	**CP..060204**	**MS1153**	T7	**KUAM28**	2	**KUAM20**	**MS1199**	T15
						λS°	γO°								
SDJP R/L 10CA07	40	14,0	50	-	-	0,0	0,0	**DP..070204**	**MS1153**	T7	**KUAM23**	2,5	**KUAM30**	**MS966**	5

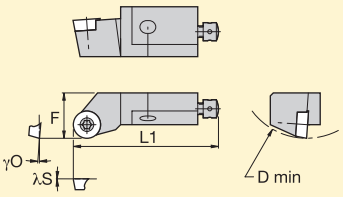
SDUP 93°





SRGC





Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Schraube für Wendeschneid-platte	Torx	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm) oder Torx
SDUP R/L 10CA07	40	14,0	50	-	-	0,0	0,0	**DP..070204**	**MS1153**	T7	**KUAM23**	2,5	**KUAM30**	**MS966**	5
						λS°	γO°								
SRGC R/L 08CA06	25	10,0	32	-	-	0,0	-4,0	**RC..0602M0**	**MS1153**	T7	KUAM28	2	KUAM20	MS1199	T15
SRGC R/L 10CA08	40	14,0	50	-	-	0,0	-3,0	**RC..0803M0**	**MS1154**	T9	KUAM23	2,5	KUAM30	MS966	5
SRGC R/L 12CA10	50	20,0	55	-	-	0,0	-3,0	**RC..10T3M0**	**MS1155**	T15	KUAM23	2,5	KUAM31	MS965	5

Bestellbeispiel:
Rechts: **SCWPR08CA06**



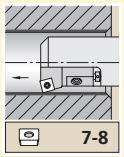
Links: **SCWPL08CA06**

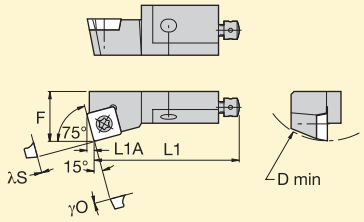


SCREW-ON Kurzklemmhalter

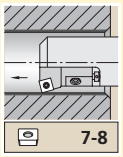
SCREW-ON Wendeschneidplatten

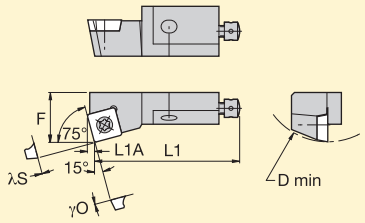
SSKC 75°





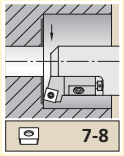
SSKP 75°

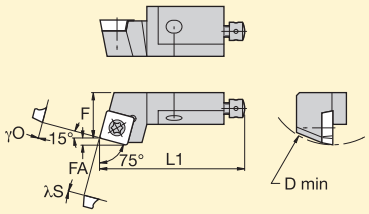




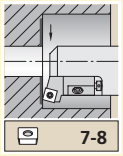
Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Schraube für Wendeschneid-platte	Torx	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Torx
SSKC R/L 12CA12	50	20,0	55	-	3,1	0,0	-3,0	**SC..120408**	**MS1157**	T15	**KUAM23**	2,5	**KUAM31**	**MS965**	5
SSKC R/L 16CA12	60	25,0	63	-	3,1	0,0	-3,0	**SC..120408**	**MS1157**	T15	**KUAM27**	4	**KUAM32**	**MS353**	6
						λS°	γO°								
SSKP R/L 10CA09	40	14,0	50	-	2,2	0,0	0,0	**SP..09T308**	**MS1155**	T15	**KUAM23**	2,5	**KUAM30**	**MS966**	5
SSKP R/L 12CA09	50	20,0	55	-	2,2	0,0	0,0	**SP..09T308**	**MS1155**	T15	**KUAM23**	2,5	**KUAM31**	**MS965**	5

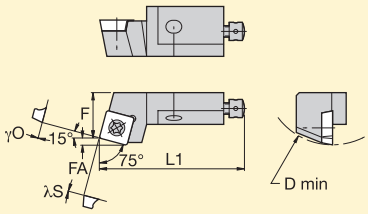
SSRC 75°



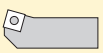


SSRP 75°

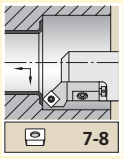


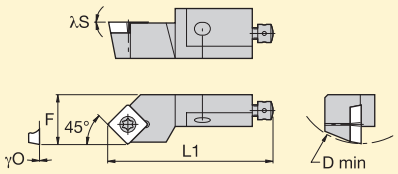


Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Schraube für Wendeschneid-platte	Torx	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Torx
SSRC R/L 12CA12	50	20,0	55	3,1	-	0,0	-3,0	**SC..120408**	**MS1157**	T15	**KUAM23**	2,5	**KUAM31**	**MS965**	5
SSRC R/L 16CA12	60	25,0	63	3,1	-	0,0	-3,0	**SC..120408**	**MS1157**	T15	**KUAM27**	4	**KUAM32**	**MS353**	6
						λS°	γO°								
SSRP R/L 10CA09	40	14,0	50	2,2	-	0,0	0,0	**SP..09T308**	**MS1155**	T15	**KUAM23**	2,5	**KUAM30**	**MS966**	5
SSRP R/L 12CA09	50	20,0	55	2,2	-	0,0	0,0	**SP..09T308**	**MS1155**	T15	**KUAM23**	2,5	**KUAM31**	**MS965**	5

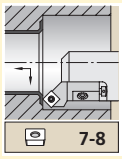
Bestellbeispiel:
Rechts: **SSKCR12CA12** 
Links: **SSKCL12CA12** 

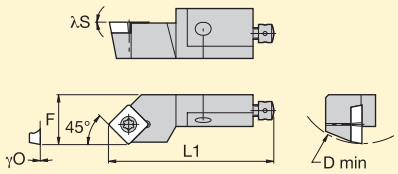
SSSC 45°





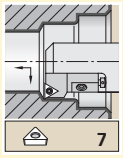
SSSP 45°

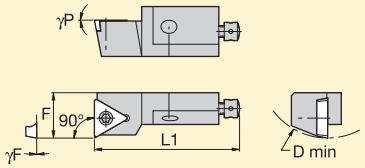




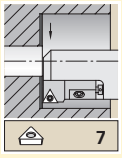
Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Schraube für Wendeschneid-platte	Torx	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Torx
SSSC R/L 12CA12	50	20,0	47	-	-	0,0	-3,0	**SC..120408**	**MS1157**	T15	**KUAM23**	2,5	**KUAM31**	**MS965**	5
SSSC R/L 16CA12	60	25,0	53	-	-	0,0	-3,0	**SC..120408**	**MS1157**	T15	**KUAM27**	4	**KUAM32**	**MS353**	6
						λS°	γO°								
SSSP R/L 10CA09	40	14,0	44	-	-	0,0	0,0	**SP..09T308**	**MS1155**	T15	**KUAM23**	2,5	**KUAM30**	**MS966**	5
SSSP R/L 12CA09	50	20,0	47	-	-	0,0	0,0	**SP..09T308**	**MS1155**	T15	**KUAM23**	2,5	**KUAM31**	**MS965**	5

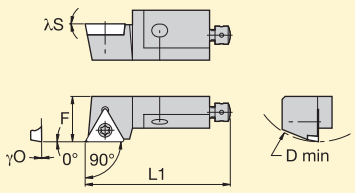
STFP 90°





STGP 90°





Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λF°	γP°	Wende-schneid-platte	Schraube für Wendeschneid-platte	Torx	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm) oder Torx
STFP R/L 08CA09	25	10,0	32	-	-	0,0	0,0	**TP..090204**	**MS1152**	T7	**KUAM28**	2	**KUAM20**	**MS1199**	T15
STFP R/L 10CA11	40	14,0	50	-	-	0,0	0,0	**TP..110204**	**MS1153**	T7	**KUAM23**	2,5	**KUAM30**	**MS966**	5
STFP R/L 12CA16	50	20,0	55	-	-	0,0	0,0	**TP..16T308**	**MS1155**	T15	**KUAM23**	2,5	**KUAM31**	**MS965**	5
STFP R/L 16CA16	60	25,0	63	-	-	0,0	0,0	**TP..16T308**	**MS1155**	T15	**KUAM27**	4	**KUAM32**	**MS353**	6
						λS°	γO°								
STGP R/L 08CA09	25	10,0	32	-	-	0,0	0,0	**TP..090204**	**MS1152**	T7	**KUAM28**	2	**KUAM20**	**MS1199**	T15
STGP R/L 10CA11	40	14,0	50	-	-	0,0	0,0	**TP..110204**	**MS1153**	T7	**KUAM23**	2,5	**KUAM30**	**MS966**	5
STGP R/L 12CA16	50	20,0	55	-	-	0,0	0,0	**TP..16T308**	**MS1155**	T15	**KUAM23**	2,5	**KUAM31**	**MS965**	5
STGP R/L 16CA16	60	25,0	63	-	-	0,0	0,0	**TP..16T308**	**MS1155**	T15	**KUAM27**	4	**KUAM32**	**MS353**	6

Bestellbeispiel:
Rechts: **SSSCR12CA12**



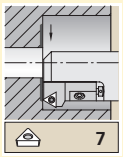
Links: **SSSCL12CA12**

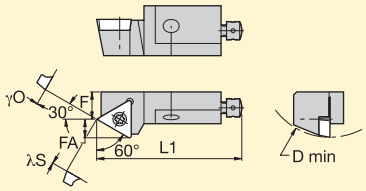


SCREW-ON Kurzklemmhalter

SCREW-ON Wendeschneidplatten

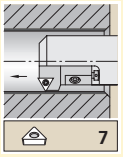
STTP 60°

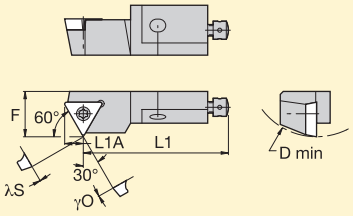




Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Schraube für Wendeschneid-platte	Torx	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Hex (mm) oder Torx
STTP R/L 08CA09	25	6,0	32	4,3	-	0,0	0,0	**TP..090204**	**MS1152**	T7	**KUAM28**	2	**KUAM20**	**MS1199**	T15
STTP R/L 10CA11	40	9,0	50	5,0	-	0,0	0,0	**TP..110204**	**MS1153**	T7	**KUAM23**	2,5	**KUAM30**	**MS966**	5
STTP R/L 12CA16	50	13,0	55	7,2	-	0,0	0,0	**TP..16T308**	**MS1155**	T15	**KUAM23**	2,5	**KUAM31**	**MS965**	5
STTP R/L 16CA16	60	15,0	63	7,2	-	0,0	0,0	**TP..16T308**	**MS1155**	T15	**KUAM27**	4	**KUAM32**	**MS353**	6

STWP 60°





Katalognummer Rechts/Links	Dmin	F	L1	FA	L1A	λS°	γO°	Wende-schneid-platte	Schraube für Wendeschneid-platte	Torx	Radiale Verstell-Schraube	Hex (mm)	Axiale Verstell-Schraube	Montage-Schraube	Herx (mm) oder Torx
STWP R/L 08CA09	25	10,0	28	-	4,3	0,0	0,0	**TP..090204**	**MS1152**	T7	**KUAM28**	2	**KUAM20**	**MS1199**	T15
STWP R/L 10CA11	40	14,0	44	-	5,0	0,0	0,0	**TP..110204**	**MS1153**	T7	**KUAM23**	2,5	**KUAM30**	**MS966**	5
STWP R/L 12CA16	50	20,0	47	-	7,2	0,0	0,0	**TP..16T308**	**MS1155**	T15	**KUAM23**	2,5	**KUAM31**	**MS965**	5
STWP R/L 16CA16	60	25,0	53	-	7,2	0,0	0,0	**TP..16T308**	**MS1155**	T15	**KUAM27**	4	**KUAM32**	**MS353**	6

Bestellbeispiel:
Rechts: **STTPR08CA09** 
Links: **STTPL08CA09** 

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Werkzeuge zum Stechen

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Schneidstoffübersicht für Stechanwendungen **B4**

TOP NOTCH™ – Einstechdrehen **B6**

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Bohrstangen B28
Bohrköpfe und Kurzklemmhalter B30
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Klemmhalter B47
Bohrstangen B49
Modular-System B50
Technische Daten B59

A3™ – Tief-Einstechdrehen **B60**

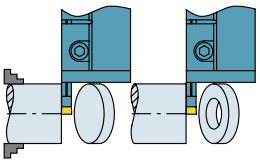
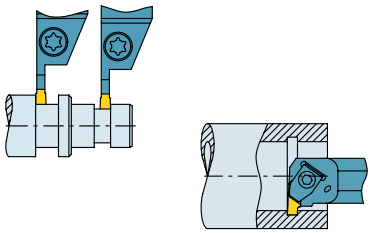
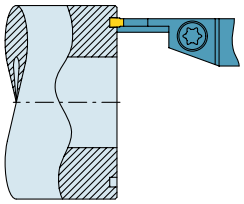
KENNA PERFECT Auswahlhilfe B62
Wendeschneidplatten B65
Klemmhalter B69
Bohrstangen B73
Modular-System B74
Technische Daten B82

A2™ – Abstechdrehen **B84**

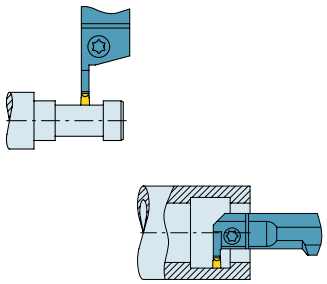
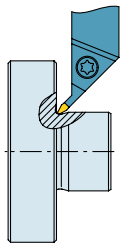
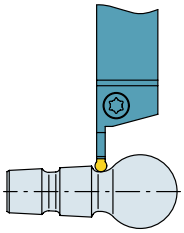
KENNA PERFECT Auswahlhilfe B86
Wendeschneidplatten B89
Klemmhalter B93
Stecheinsätze und Werkzeugblöcke B94
Technische Daten B96



Anwendungsübersicht für Stechwerkzeuge

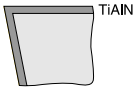
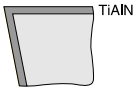
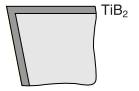
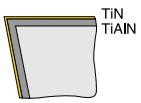
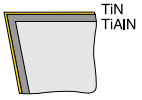
	Abstechdrehen	Einstechdrehen	Axial-Einstechdrehen
Einsatzbereich			
TOP NOTCH Einstechdrehen allgemein empfohlen für ein Stechtiefen/-breiten-Verhältnis von maximal 1,5		**Wendeschneidplatten** • Stechbreiten von 0,8 bis 9,5 mm (.031 bis .375 Zoll) • Stechtiefen von 1,27 bis 9,5 mm (.050 bis .375 Zoll) • Wendeschneidplatten mit Spankontrolle, positivem Spanwinkel und neutraler, flacher Geometrie erhältlich **Außenanwendung** • Klemmhalter mit integriertem Schaft und KM-Schneidköpfe sind erhältlich **Innenanwendung** • Bohrstangen mit minimalem Bohrungsdurchmesser von 11,2 mm (.440 Zoll)	**Mindestdurchmesser für Axial-Einstiche** • Standard-Wendeschneidplatten: 54 bis 330 mm (2.125 bis 13 Zoll) je nach Größe • NF/NFD Wendeschneidplatten zum Axial-Einstechdrehen: 24 bis 57 mm (.940 bis 2.25 Zoll) • alle verfügen über einen unbegrenzten Maximaldurchmesser **Stechbreitenbereich** • Standard-Wendeschneidplatten: 0,8 bis 9,5 mm .031 bis .375 Zoll) • NF/NFD Wendeschneidplatten zum Axial-Einstechdrehen: 3,2 bis 9,5 mm (.125 bis .375 Zoll) **Stechtiefenbereich** • Standard-Wendeschneidplatten: 1,27 bis 9,5 mm (.050 bis .375 Zoll) • NF/NFD Wendeschneidplatten zum Axial-Einstechdrehen: 3,8 bis 6,35 mm (.150 bis .250 Zoll)
A4 Einstechen & Drehen	**Abstechdreheigenschaften** • Stechbreite von 3 mm bis 4 mm (.118 bis .157 Zoll) • entspricht den härtesten Anforderungen an Steifigkeit und Maßgenauigkeit • integrierte Klemmhalter mit Schraubenklemmung und maximaler Stechtiefe von 17 mm (.670 Zoll) erhältlich • ökonomische 2-schneidige Wendeschneidplatten	**Wendeschneidplatten** • Stechbreiten von 3,0 bis 10,05 mm (.118 bis .396 Zoll) • präzisionsgeschliffene und am Umfang abgepresste Wendeschneidplatten... alle Ausführungen mit Spankontrolle erhältlich **Außenanwendung** • Klemmhalter mit integriertem Schaft und modulare KM-Schneidköpfe sind erhältlich • Stechtiefen von 14 bis 26 mm (.55 bis 1.02 Zoll) **Innenanwendung** • Bohrstangen mit minimalem Bohrungsdurchmesser von 25 mm (0.984 Zoll) • Stechbreiten von 3,0 bis 6,35 mm (.118 bis .250 Zoll)	**Mindestdurchmesser für Axial-Einstiche** • 36 mm (1.417 Zoll) Mindestdurchmesser • unbegrenzter Maximaldurchmesser **Stechbreitenbereich** • Stechbreiten von 3,0 bis 5,05 mm (.118 bis .199 Zoll) **Stechtiefenbereich** • Stechtiefen von 7 bis 19 mm (.276 bis .748 Zoll)
A3 Tief-Einstechdrehen allgemein empfohlen für ein Stechtiefen/-breiten-Verhältnis von über 1,5		**Wendeschneidplatten** • Stechbreiten von 2,36 bis 10,05 mm (.093 bis .396 Zoll) • präzisionsgeschliffene und am Umfang abgepresste Wendeschneidplatten... alle Ausführungen mit Spankontrolle erhältlich **Außenanwendung** • Klemmhalter mit integriertem Schaft und modulare KM-Schneidköpfe sind erhältlich • Stechtiefen von 10 bis 32 mm (.394 bis 1.26 Zoll) **Innenanwendung** • Bohrstangen mit minimalem Bohrungsdurchmesser von 32 mm (1.26 Zoll)	**Mindestdurchmesser für Axial-Einstiche** • 25 mm (.984 Zoll) Mindestdurchmesser • unbegrenzter Maximaldurchmesser **Stechbreitenbereich** • Stechbreiten von 3,0 bis 6,35 mm (.118 bis .250 Zoll) **Stechtiefenbereich** • Stechtiefen von 10 bis 32 mm (.393 bis 1.26 Zoll)
A2 Abstechdrehen	**Abstechdreheigenschaften** • Stechbreiten von 1,6 bis 8 mm (.063 bis .315 Zoll) • linke und rechte Ausführung mit Einstellwinkeln von 6° bis 16° • Stecheinsätze mit Selbstklemmung und Klemmhalter mit integriertem Schaft und Schraubenklemmung sind erhältlich • einschneidige Wendeschneidplatten für maximale Einstechtiefe		

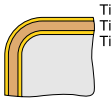
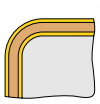
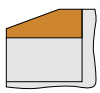
Anwendungsübersicht für Stechwerkzeuge

	Einstechen & Drehen	Hinterstechen	Profildrehen
Einsatzbereich			
TOP NOTCH Einstechdrehen allgemein empfohlen für ein Stechtiefen/-breiten-Verhältnis von maximal 1,5		**Top Notch Hinterstechdreheigenschaften** • Hinterstechbreiten von 2,4 - 4 mm (.094 bis .156 Zoll) • ökonomische 2-schneidige Wendeschneidplatten	**Empfohlen für die mittlere bis schwere Zerspanung bei geringer Profiltiefe** **Vollradius-Wendeschneidplatten** • Stechbreiten von 1,57 bis 6,35 mm (.062 bis .250 Zoll) • Stechtiefen von 2,39 bis 6,35 mm (.094 bis .250 Zoll) **Außenanwendung** • Klemmhalter mit integriertem Schaft und KM-Schneidköpfe sind erhältlich
A4 Stechdrehen	**Empfohlen für Schwerzerspanung, insbesondere bei Drehanwendungen** **Wendeschneidplatten** • Stechbreiten: 3,0 bis 10,05 mm (.118 bis .396 Zoll) • 2-schneidige, präzisionsgeschliffene und abgepresste Wendeschneidplatten...alle Ausführungen mit Spankontrolle erhältlich **Außenanwendung** • Klemmhalter mit integriertem Schaft und modulare KM-Schneidköpfe sind erhältlich • Stechtiefen von 14 bis 26 mm (.55 bis 1.02 Zoll) **Innenanwendung** • Bohrstangen mit minimalem Bohrungsdurchmesser von 25 mm (.984 Zoll) • Stechbreiten von 3,0 bis 6,35 mm (.118 bis .250 Zoll)		**Empfohlen für die Schwerzerspanung** **Vollradius-Wendeschneidplatten** • Stechbreiten von 3,0 bis 10,05 mm (.118 bis .396 Zoll) **Außenanwendung** • Klemmhalter mit integriertem Schaft und modulare KM-Schneidköpfe sind erhältlich • Stechtiefen von 14 bis 26 mm (.55 bis 1.02 Zoll)
A3 Tief-Einstechdrehen allgemein empfohlen für ein Stechtiefen/-breiten-Verhältnis von über 1,5	**Empfohlen für die leichte Zerspanung** • Stechbreiten von 2,36 bis 10 mm (.093 bis .396 Zoll) • präzisionsgeschliffene und am Umfang abgepresste Wendeschneidplatten, alle Ausführungen mit Spankontrolle erhältlich **Außenanwendung** • Klemmhalter mit integriertem Schaft und modulare KM-Schneidköpfe sind erhältlich • Stechtiefen von 10 bis 32 mm (.394 bis 1.26 Zoll) **Innenanwendung** • Bohrstangen mit minimalem Bohrungsdurchmesser von 32 mm (1.26 Zoll)	**Vollradius-Wendeschneidplatten für das Hinterstechen** • Vollradius-Wendeschneidplatten mit Stechbreiten von 2,4 bis 8 mm (.093 bis .315 Zoll) bei einem Einstellwinkel von 45° **35°-Wendeschneidplatten für das Hinterstechen** • Wendeschneidplatten in 35°-V-Form für das Profilhinterstechen • Klemmhalter-Einstellwinkel von 93° und 117,5°	**Empfohlen für die leichte Zerspanung** • Vollradius-Wendeschneidplatten mit Stechbreiten von 3 bis 8 mm (.118 bis .315 Zoll) • maximale Stechtiefe von 32 mm (1.26 Zoll) • Klemmhalter mit integriertem Schaft und modulare KM-Schneidköpfe sind erhältlich • Wendeschneidplatten in 35°-V-Form sind ebenfalls erhältlich
A2 Abstechdrehen			

Schneidstoffübersicht für Stechanwendungen

Schneidstoff-Auswahltabelle

Typ	Schneidstoff	Schichtaufbau	Zusammensetzung und Einsatzempfehlung	Normbezeichnung	Anwendungsbereich: Verschleißfestigkeit ↔ Zähigkeit; 05 10 15 20 25 30 35 40 45
Unbeschichtete Hartmetallsorten	**K313**	 C3 – C4	**Zusammensetzung**: Eine harte, feinkörnige Sorte aus unlegiertem WC/Co mit geringem Bindergehalt. **Einsatz**: Außergewöhnliche Schneidkanten-Verschleißfestigkeit in Verbindung mit sehr hoher Zähigkeit für die Bearbeitung von Titan, Gusseisen, austenitischen nicht rostenden Stählen, NE-Metallen, Nichtmetallen und den meisten schwer zerspanbaren Werkstoffen. Ausgezeichnete Festigkeit gegen thermische Verformung und Einkerbungen an der Schnitttiefe. Die kontrollierte Körnungsstruktur minimiert Unstetigkeiten und sorgt für eine lange, verlässliche Leistung.	P M K N S H	
	K68	 C3	**Zusammensetzung:** Hartes, feinkörniges, unlegiertes WC/Co mit geringem Bindergehalt. **Einsatz**: Die Sorte K68 verfügt über eine ausgezeichnete Verschleißfestigkeit für die Bearbeitung von Gusseisen, austenitischen nicht rostenden Stählen, NE-Metallen, Nichtmetallen und ist bei den meisten schwer zerspanbaren Werkstoffen als Alternative zu Sorte K313 einsetzbar. Als Universal-Sorte für NE-Werkstoffe zu verwenden.	P M K N S H	
	K1025 (KMF)	 C2, C6	**Zusammensetzung:** Eine feinkörnige Sorte aus unlegiertem WC/Co von mittlerer Härte und mit mittlerem Bindergehalt. **Einsatz**: Für die Bearbeitung von schwer zerspanbaren Werkstoffen, Titan und NE-Werkstoffen unter ungünstigen Bedingungen.	P M K N S H	
PVD-beschichtete Hartmetallsorten	**KC5010** NEU! verbessert	 C3, C4	**Zusammensetzung:** Eine verbesserte PVD-TiAlN-Beschichtung auf einem unlegierten Hartmetallsubstrat mit hervorragender Widerstandsfähigkeit gegen plastische Deformation. Die neue und verbesserte Beschichtung von KC5010 ermöglicht eine Erhöhung der Geschwindigkeit von 50 bis 100 %. **Einsatz:** KC5010 eignet sich ideal für das Schlichten und die allgemeine Bearbeitung der meisten Werkstoffe bei höheren Geschwindigkeiten. Ausgezeichnet für die Bearbeitung der meisten Stähle, nicht rostenden Stähle, Gusseisen, NE-Werkstoffe und schwer zerspanbaren Werkstoffe bei stabilen Bedingungen geeignet. Erzielt auch bei der Bearbeitung von gehärteten und kurzspanenden Werkstoffen gute Ergebnisse.	P M K N S H	
	KC5025 NEU! verbessert	 C2, C6	**Zusammensetzung:** Eine verbesserte PVD-TiAlN-beschichtete Sorte mit einem zähen, extra feinkörnigen, unlegierten Substrat. **Einsatz**: Für die universelle Bearbeitung der meisten Stähle, nicht rostenden Stähle, schwer zerspanbaren Werkstoffe, Titan, Eisen und NE-Werkstoffe. Für niedrige bis mittlere Geschwindigkeiten sowie Schnittunterbrechungen und hohe Vorschubwerte.	P M K N S H	
	KC5410	 C3 – C4	**Zusammensetzung**: Eine PVD-TiB2-Beschichtung auf einem unlegierten Substrat mit hervorragender Widerstandsfähigkeit gegen plastische Deformation. **Einsatz**: Die Sorte KC5410 ist für das Schruppen, Vorschlichten und Schlichten von leicht zerspanbarem Aluminium (untereutektisch < 12,2 % Si), Aluminiumlegierungen und Magnesiumlegierungen vorgesehen. Die TiB2-Beschichtung ist härter als die TiN- und TiAlN-Beschichtungen und hat eine außergewöhnlich glatte Oberfläche, was eine geringe Oberflächenreibung, schnellen Spanfluss und ausgezeichnete Verschleißfestigkeit zur Folge hat. Darüber hinaus wird die Aufbauschneidenbildung verhindert, da diese Beschichtung eine äußerst geringe Affinität zu Aluminium aufweist. Das Substrat ist unlegiert und feinkörnig und verfügt über scharfe Kanten, glatte Oberflächen sowie ausgezeichnete thermische Festigkeit und Kantenintegrität. Umfanggeschliffene Wendeschneidplatten werden vor der Beschichtung poliert und verfügen über eine scharfe Schneidkante. Am Umfang abgepresste Wendeschneidplatten haben eine geringe Kantenverrundung.	P M K N S H	
	KU10T NEU!	 C3, C4	**Zusammensetzung**: Eine verbesserte PVD-Beschichtung auf einem Hartmetallsubstrat mit hervorragender Widerstandsfähigkeit gg. plastische Deformation. **Einsatz**: KU10T ist eine ideale Sorte für allgemeine Bearbeitungen, angefangen von mittleren Bearbeitungsvorgängen bis hin zum Schlichten. KU10T ist ausgezeichnet für die Bearbeitung der meisten Stähle, nicht rostenden Stähle, Gusseisen, NE-Werkstoffe und schwer zerspanbaren Werkstoffe bei stabilen Bedingungen geeignet. KU10T lässt sich auch effektiv bei der Bearbeitung von gehärteten und kurzspanenden Werkstoffen einsetzen.	P M K N S H	
	KU25T NEU!	 C2, C6	**Zusammensetzung**: Eine verbesserte PVD-Beschichtung auf einem zähen und extrem verschleißfesten Hartmetallsubstrat. **Einsatz**: KU25T eignet sich ideal für das Schlichten und die allgemeine Bearbeitung der meisten Werkstoffe. Mit einem höheren Kobaltgehalt als KU10T verfügt diese Sorte über die nötige Zähigkeit, um den Ansprüchen von Vorgängen wie Einstechen, Gewindeschneiden und Abstechen gerecht zu werden. KU25T ist ausgezeichnet für die Bearbeitung der meisten Stähle, nicht rostenden Stähle, Gusseisen, NE-Werkstoffe und schwer zerspanbaren Werkstoffe bei stabilen Bedingungen geeignet.	P M K N S H	

Typ	Schneidstoff	Schichtaufbau	Zusammensetzung und Einsatzempfehlung	Normbezeichnung	Anwendungsbereich: Verschleißfestigkeit → Zähigkeit
		C-Klasse			05 10 15 20 25 30 35 40 45
CVD-beschichtete Hartmetallsorten	**KC9110**	 C3, C7	**Zusammensetzung**: Eine speziell entwickelte kobaltangereicherte Hartmetallsorte mit einer dicken K-MTCVD-TiCN-Beschichtung, einer Al_2O_3-Schicht mit kontrollierter Korngröße sowie äußeren Schichten aus TiCN und TiN für eine maximale Verschleißfestigkeit. **Einsatz**: Diese Sorte eignet sich ideal zum Schlichten bis hin zur mittleren Bearbeitung zahlreicher verschiedener Werkstoffe einschließlich der meisten Stähle, ferritischen und martensitischen nicht rostenden Stähle sowie Gusseisen. Das speziell entwickelte kobaltangereicherte Substrat sorgt für ein ausgewogenes Verhältnis von Widerstandsfähigkeit gegen plastische Deformation und Schneidkantenzähigkeit, während die Beschichtung eine ausgezeichnete Verschleißfestigkeit und Kolkverschleißfestigkeit für die Hochgeschwindigkeitsbearbeitung gewährleistet. Die glatte Beschichtung sorgt für eine gute Widerstandsfähigkeit gegen Aufbauschneidenbildung und Abplatzungen und erzeugt zudem ausgezeichnete Oberflächengüten. Bei gröberen Bearbeitungsvorgängen ist Sorte KC9125 zu verwenden.	P M K N S H
	KC9125	 C2 – C3, C6 – C7	**Zusammensetzung**: Eine zähe, kobaltangereicherte Hartmetallsorte mit einer neu entwickelten Multilayer-Beschichtung aus K-MTCVD TiCN-Al_2O_3-TiCN-TiN mit ausgezeichneter Zwischenschicht-Haftung. **Einsatz**: Die beste universelle Drehsorte für die meisten Stähle sowie ferritische und martensitische nicht rostende Stähle. Der Substrataufbau mit Kobaltanreicherung gewährleistet einen angemessenen Widerstand gegen plastische Deformation sowie eine ausgezeichnete Zähigkeit und Schneidkantenfestigkeit. Das Beschichtungssystem verfügt über eine gute Verschleißfestigkeit bei den verschiedensten Bearbeitungsbedingungen. Die Glätte der Beschichtung reduziert die Reibungswärme, minimiert Abplatzungen an der Schneidkante und verbessert die Oberflächengüte der Werkstücke. KC9125 eignet sich gut für mäßig starkes Schruppen bis hin zu Vorschlichtschnitten. Für Schlichtschnitte ist Sorte KC9110 zu verwenden.	P M K N S H
	KU30T NEU!	 C5 – C6	**Zusammensetzung**: Ein zähes, kobaltangereichertes Substrat mit CVD-Multilayer-Beschichtung. **Einsatz**: KU30T ist eine neue Sorte, die speziell für die Werkstattfertigung entwickelt wurde, bei der zahlreiche verschiedene Werkstoffe verwendet werden. Mit seinem zähen, kobaltangereicherten Substrat eignet sich KU30T ausgezeichnet für Bearbeitungsvorgänge vom Schruppen bis hin zum Schlichten. Das Polieren der Wendeschneidplatte verringert die Aufbauschneidenbildung und beugt Abplatzungen vor. KU30T ist für die Bearbeitung von Stählen, Gusseisen und nicht rostenden Stählen einzusetzen.	P M K N S H
Cermet	**KT315**	 C3, C7	**Zusammensetzung**: Eine Cermet-Drehsorte mit PVD-TiN/TiCN/TiN-Multilayer-Beschichtung. **Einsatz**: Ideal für das Hochgeschwindigkeitsschlichten und die mittlere Bearbeitung der meisten unlegierten und legierten Stähle sowie nicht rostenden Stähle. Auch sehr gut für universelle Sphäroguss geeignet. Erzielt hervorragende Standzeiten und erzeugt ausgezeichnete Oberflächengüten.	P M K N S H
PCBN – Polykristallines kubisches Bornitrid	**KD081**	 C4, C8	**Zusammensetzung**: In Hartmetall-Wendeschneidplatten eingelöteter PCBN-Tip mit niedrigem CBN-Gehalt. **Einsatz**: Entwickelt für das Schruppen bis zum Schlichten von gehärteten Stählen (> 45 HRC). Zu verwenden bei Warmarbeits- und Kaltarbeitsstählen, Schnellarbeitsstählen, Matrizenstählen, gehärteten Stählen, aufgekohlten und nitrierten Eisen sowie einigen harten Beschichtungen.	P M K N S H
	KD120	 C8	**Zusammensetzung**: In Hartmetall-Wendeschneidplatten eingelöteter PCBN-Tip mit hohem CBN-Gehalt. **Einsatz**: Der Haupteinsatzbereich für Sorten mit hohem CBN-Gehalt liegt im Schruppen bis hin zum Schlichten von voll perlitischem Grauguss, Hartguss, Stahllegierungen mit hohem Chromgehalt, Sintermetallen sowie bei starken Schnittunterbrechungen in gehärteten Stählen (> 45 HRC). Kann auch für das Schlichten von Hartguss und voll perlitischem Grauguss verwendet werden. Nicht zum Schlichten in gehärteten Stählen verwenden. Mit Tips in Standardgrößen erhältlich.	P M K N S H
PCD - Polykristalliner Diamant	**KD100**	 C4	**Zusammensetzung**: Ein polykristalliner Diamant-Tip (PCD), der direkt auf ein Hartmetallsubstrat aufgelötet ist. **Einsatz**: KD100 ist für allgemeine Dreharbeiten vorgesehen. Das Material des Schneidwerkzeugs enthält außer Diamantpartikeln einen Binder. Deshalb eignet sich KD100 zum Schruppen bis hin zum Schlichten aller Arten hoch abrasiver Werkstücke, einschließlich NE-Metalle und Nichtmetalle. Bei Aluminiumlegierungen mit hohem Siliziumgehalt als erste Wahl verwenden (hypereutektisch). Erzeugt in der Regel gute Oberflächengüten. Verfügt von allen Diamantwerkstoffen über die beste Beständigkeit gegenüber mechanischen Wechselbelastungen. Die Schneidkante ist scharf. Diese Sorte eignet sich für sehr hohe Geschwindigkeiten.	P M K N S H
	KD1405 NEU!	 C4	**Zusammensetzung**: Reiner polykristalliner Diamant ohne Bindephasenanteile. **Einsatz**: KD 1405 verfügt über die höchste abrasive Verschleißfestigkeit und eignet sich hervorragend für die Hochgeschwindigkeits-Zerspanung von NE-Werkstoffen. KD1405 wird am besten dann eingesetzt, wenn Verschleißfestigkeit von entscheidender Bedeutung ist. KD1405 verfügt nicht über dieselbe Zähigkeit wie KD100, widersteht jedoch geringen Schnittunterbrechungen.	P M K N S H

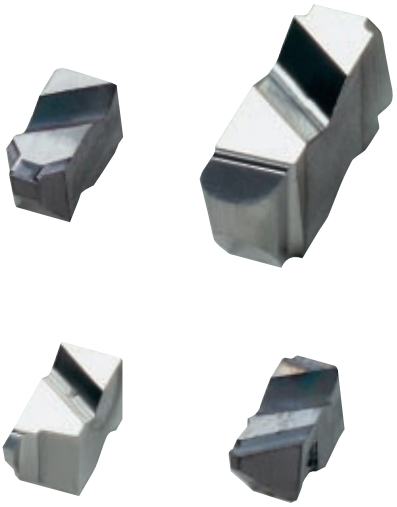
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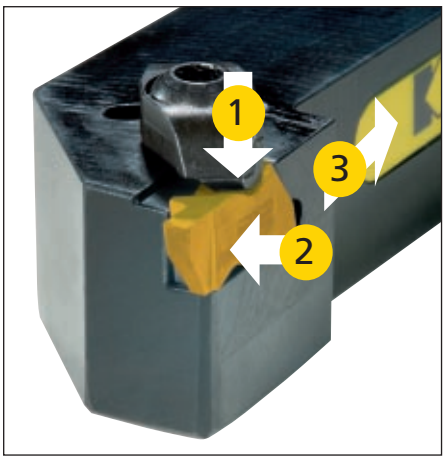
TOP NOTCH Einstechdrehen ...



... die bewährte Lösung für hohe Produktivität!

- Neue, verbesserte PVD-TiAlN-beschichtete Schneidstoffsorten für die Bearbeitung zahlreicher Werkstoffe.
- Neue CVD-Sorten des Typs KENNA PERFECT und KENNA UNIVERSAL.
- Sichere Fixierung der Wendeschneidplatte selbst bei stärkster Beanspruchung.
- Das vielseitig einsetzbare System bewältigt Bearbeitungsvorgänge wie Außen- und Inneneinstechen, Axialeinstechen, Rückkopieren, Freistechen und selbst Gewindeschneiden.
- Wendeschneidplatten mit Spankontrolle ermöglichen einen ausgezeichneten Spanablauf beim Einstechen und eine bessere Kontrolle bei multidirektionalen Drehvorgängen.





Die stabile Klemmung verhindert ein Bewegen der Wendeschneidplatte bei Anwendungen mit hohen Vorschubwerten. Hierdurch werden eine ausgezeichnete Oberflächengüte, eine verbesserte Produktivität sowie hervorragende Standzeiten erzielt und eine perfekte Rundlaufgenauigkeit gewährleistet. Das stabile Spannelement erzeugt Spannkräfte in drei Richtungen, wodurch eine ausgezeichnete Widerstandsfähigkeit gegen Seiten- und Tangentialkräfte erreicht wird.

KENNA PERFECT – TOP NOTCH Einstechdrehen

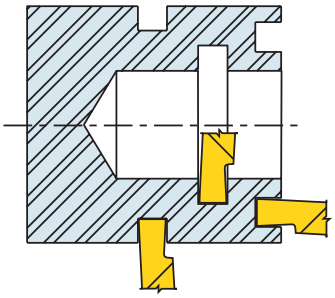
5 einfache Schritte zu höherer Produktivität

Was Sie wissen müssen:

- Einstechtiefe, -breite und -profil
- zu bearbeitender Werkstoff
- Anwendung (Axial-, Außen- oder Inneneinstechen)
- Klemmhalteranforderungen (d. h.: KM, quadratischer Schaft, rechts/links)

1. Schritt – Wahl des Systems anhand der erforderlichen Einstechtiefe

TOP NOTCH

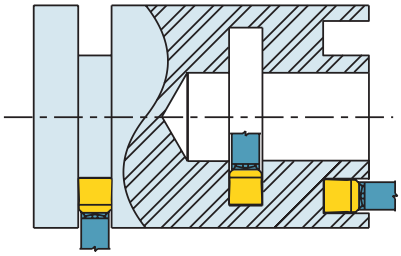


Einstechdrehen

Einstechtiefe ≤ 1,5 x Einstechbreite

Systemeigenschaftstabelle überprüfen und mit Schritt 2 fortfahren.

A3 oder A4



Tiefeinstechen

Einstechtiefe ≥ 1,5 x Einstechbreite

Siehe A3 Tiefeinstechen auf Seite B62 oder A4 Einstechen & Drehen auf Seite B36.

TOP NOTCH Einstechdrehen für Innen-, Außen- und Axialeinstechanwendungen



Systemeigenschaften

		mm (Zoll) Minimum	Maximum
Außen-/Inneneinstechen	Breite Tiefe	0,79 (.031) 1,27 (.050)	9,53 (.375) 9,53 (.375)
Axial-Einstechdrehen	Breite Tiefe	3,18 (.125) 3,81 (.150)	9,53 (.375) 6,35 (.250)
Inneneinstech-Ø		11,2 (.440)	–
Axialeinstech-Ø	Standard Tief	23,9 (.940) 47,6 (1.875)	– –
Tief-Außen-/Inneneinstechen	Breite Tiefe	1,57 (.062) 3,18 (.125)	6,35 (.250) 12,70 (.500)
Tief-Axialeinstechen	Breite Tiefe	3,18 (.125) 6,35 (.250)	6,35 (.250) 12,70 (.500)

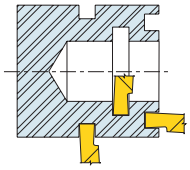
2. Schritt – Wählen Sie den Klemmhalter entsprechend der Anwendung aus

Hinweis: Klemmhalter sind sowohl in konventioneller quadratischer Schaftausführung als auch mit Schnellwechselsystem erhältlich.
Die Wendeschneidplattengröße muss mit der Plattengröße des gewählten Klemmhalters übereinstimmen.

Außen- und Axialeinstechanwendungen –> siehe Seiten B24-B26
Inneneinstechanwendungen –> siehe Seiten B28-B30

3. Schritt – Wahl der Spanformstufe und des Vorschubs

Spanformstufe und Vorschub f – mm (in/rev)

Werkstoff und Anwendung		Stahl	Nicht rostender Stahl	Gusseisen	NE-Metalle	Schwer zerspanbare Werkstoffe	Harte Werkstoffe
	Erste Wahl	**NG-K** 0,08 - 0,28 (.003 - .011)	**NG-K** 0,07 - 0,20 (.0025 - .008)	**NG** 0,01 - 0,30 (.004 - .012)	**NGP** 0,01 - 0,30 (.004 - .012)	**NG-K** 0,07 - 0,20 (.0025 - .008)	**NG** (CBN tipped) 0,05 - 0,10 (.002 - .004)
	Alternative Wahl	**NG** 0,10 - 0,30 (.004 - .012)	**NGP** 0,10 - 0,23 (.004 - .009)	**NG-K** 0,08 - 0,28 (.003 - .011)	**NG-K** 0,08 - 0,30 (.003 - .012)	**NGP** 0,10 - 0,20 (.004 - .008)	–

-K Spanformstufe



Neutrale Geometrie



Positiver Spanwinkel



4. Schritt – Wahl des Schneidstoffes und der Geschwindigkeit

Empfehlungen zur Schneidstoff- und Schnittgeschwindigkeitsauswahl vc – m/min (sfm)

	Bearbeitungsbedingung	Werkstoff: Stahl	Nicht rostender Stahl	Gusseisen	NE-Metalle	Schwer zerspanbare Werkstoffe	Harte Werkstoffe
KENNA PERFECT	**Hochleistung bei optimalen Bedingungen** (glatte Schnitte, guter Maschinenzustand, höhere Geschwindigkeit)	**KC9110** 120 - 370 (400 - 1200)	**KC5010** 80 - 230 (250 - 750)	**KC9110** 120 - 370 (400 - 1200)	**KD1405** 240 - 3050 (800 - 10000)	**KC5010** 20 - 120 (50 - 400)	**KD081** 90 - 150 (300 - 500)
		KT315 100 - 230 (330 - 750)	**KT315** 70 - 200 (230 - 650)	**KC5010** 80 - 230 (250 - 750)	**KD100** 180 - 1520 (600 - 5000)	–	–
	Universal (erste Wahl bei allgemeinen Bedingungen)	**KC9110** 120 - 300 (400 - 1000)	**KC5025** 50 - 120 (160 - 400)	**KC9110** 120 - 300 (400 - 1000)	**KC5410** 150 - 910 (500 - 3000)	**KC5025** 10 - 60 (35 - 200)	**KD081** 80 - 140 (250 - 450)
	ungünstige Bedingungen (Schruppen, schlechter Maschinenzustand, Schnittunterbrechungen, niedrige Geschwindigkeit, Inneneinstechen)	**KC5025** 50 - 140 (180 - 450)	**KC5025** 40 - 90 (130 - 300)	**KC5025** 60 - 150 (200 - 500)	**KC5025** 60 - 300 (200 - 1000)	**KC5025** 10 - 50 (35 - 150)	**KD120** 60 - 110 (200 - 350)
	KENNA UNIVERSAL	**KU30T** 60 - 200 (200 - 650)	**KU10T** 50 - 170 (150 - 550)	**KU30T** 60 - 200 (200 - 650)	**KU10T** 150 - 730 (500 - 2400)	**KU10T** 20 - 110 (50 - 360)	–

5. Schritt – Auswahl von Wendeschneidplatte und Halter auf Katalogseiten

Hinweis: Die Wendeschneidplattengröße muss mit der Plattengröße des gewählten Klemmhalters übereinstimmen.

Beispiel für TOP NOTCH – Einstechen:

Werkstoff: niedrig legierte Stähle
Einstechtiefe: 2 mm (.079 Zoll)
Einstechbreite: 3 mm (.118 Zoll)
Operation:
Inneneinstechen, eingeschränkte Schnittgeschwindigkeit, Einstechen und Fasen

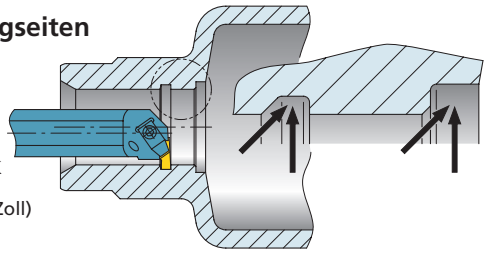
Herzlichen Glückwunsch!

Empfehlung:

Wendeschneidplatte: NG2M300RK
Schneidstoffsorte: KC5025
Wendeschneidplattenbreite: 3 mm (.118 Zoll)
Wendeschneidplattengröße: 2

Klemmhalter: A20QNNTOL2 (metric)
A12NEL2 (Zoll)

Plattengröße: N.2R

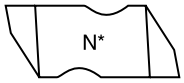


Geschwindigkeit: 120 m/min (400 sfm)
Vorschub: 0,15 mm (0,006 ipr)

Durch die Auswahl der für Ihre Anwendung am besten geeigneten TOP NOTCH Spanformstufe, Schneidstoffsorte und Schnitteigenschaften ist es Ihnen gelungen, Ihre Produktivität zu maximieren!

TOP NOTCH Einstechdrehen-Schneidplattenkennzeichnungssystem

N -Top Notch



1. Schneidplatten-typ

N

B – Rohling (für Sonderformen)
F – Axialeinstechen
G – Einstechen
P – Rückkopieren
R – Vollradius
U – Freistechen (oder Hinterdrehen)
V – Poly V

2. Schneidplatten-form

G

D – Tiefeinstechen
P – positiv
C – Einstechen und Fasen

3. Zusätzliche Informationen

P

4. Größe der Schneidplatte

3

Schneid-platten Nummer	W1 (mm)	W1 (in)
1	2,54	.100
2	3,81	.150
3	4,95	.195
4	6,48	.255
5	9,65	.380
6	9,73	.383

M – metrische Einstech-breite
C – Sicherungsring-Einstechbreite ent-spricht Sicherungsring-Nenngröße
□ – (Rohling) Wende-schneidplattenbreite in Zoll

5. Größen-bezeichnung

M **325**

6. Einstechbreite**

Die Position betrifft die Einstech-breite für Wendeschneidplatten der Schneidplattenform F, G und U, die Radien für Einstechplatten in Schneidplattenform R sowie die Sicherungsringgröße für Wende-schneidplatten zum Einstechen und Fasen. Abmessungen in 0,01 mm oder .001 Zoll .

Metrisches Beispiel: Einstechbreite oder Radius von 3,25 mm entspricht Katalogpositionsnummer "325"

Zollbeispiel: Einstechbreite oder Radius von 1/32" entspricht Katalogpositionsnummer "031"

Breitentoleranz: ± 0,025 mm (± .001 Zoll), sofern nicht anders angegeben

L – links
R – rechts

7.Ausführungs-richtung

R

8. Stechtiefe

Dargestellt für Wendeschneid-platten zum Einstechen und Fasen in Schritten von 0,01 mm

K – Standard-Spankontrolle

9. Spanform-stufe

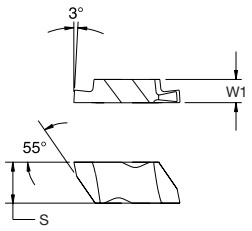
K

10. Weitere Schneidplatten-spezifikation

Einstechgröße "J" oder "L" – für Poly-V-Wendeschneid-platten kennzeichnet "I" Wendeschneidplatten zum Axial-Inneneinstechen

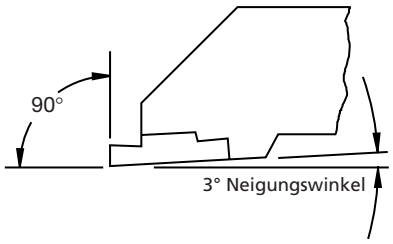
*Kennametal-eigenes Kennzeichnungssystem
**Position für Top Notch NB-Rohlinge auslassen.

Abmessungen der TOP NOTCH Gewindeschneid- und Einstechdreh-Schneidplatten



Wende-schneid-platte Größe	S		W1	
	mm	Zoll	mm	Zoll
1	2,54	.100	2,54	.100
2	5,56	.219	3,81	.150
3	8,74	.344	4,95	.195
4	11,51	.453	6,48	.255
5	17,48	.688	9,65	.380
6	11,51	.453	9,73	.383
8	7,93	.312	11,13	.438

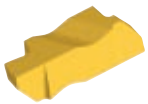
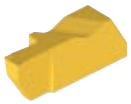
TOP NOTCH Halterauslegung

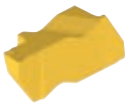
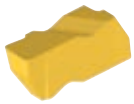
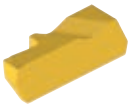
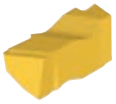
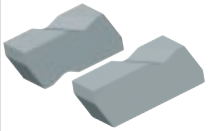


HINWEIS: Zur Gewährleistung des nötigen Freigangs sind Klemmhalter für die Aufnahme von Wendeschneidplatten in einem Neigungswinkel von 3° konstruiert.

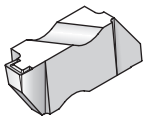
Mit der Top Notch Werkzeugtechnologie bietet Ihnen Kennametal das leistungsfähigste Gewindeschneid- und Einstechsystem, das derzeit erhältlich ist.

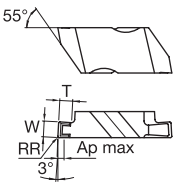
TOP NOTCH Anwendungsübersicht für Einstechwerkzeuge

Wendeschneidplatten-Ausführung	Einsatzbereich	Spanwinkel	Seite
NG-K 	• Spankontroll-Geometrie • allgemeine Einstechoperationen • O-Ring-Nutenstechen • Sicherungsring-Nutenstechen • leichte Drehoperationen	10° positiv	B12
NG 	• allgemeine Einstechoperationen • O-Ring-Nutenstechen • Sicherungsring-Nutenstechen	neutral	B14
NGP 	• allgemeine Einstechoperationen • O-Ring-Nutenstechen • Sicherungsring-Nutenstechen	5° positiv	B15
NGD-K 	• Spankontroll-Geometrie • Tief-Einstechdrehen • leichte Drehoperationen	10° positiv	B16
NGD 	• Tief-Einstechdrehen	neutral	B16
NR-K 	• Spankontroll-Geometrie • Vollradius-Einstechen • Profildrehen	10° positive	B17
NR 	• Vollradius-Einstechen • Profildrehen	neutral	B17
NRP 	• Vollradius-Einstechen • leichtes Profildrehen	5° positiv	B17
NRD 	• Tief-Einstechdrehen • Vollradius-Form	neutral	B18

Wendeschneidplatten-Ausführung	Einsatzbereich	Spanwinkel	Seite
NF-K 	• Axialeinstechen mit Spankontrolle • zusätzlicher Freigang an der Nebenschneide	10° positiv	B19
NF 	• Axialeinstechen • zusätzlicher Freigang an der Nebenschneide	neutral	B19
NFD-K 	• Tief-Axialeinstechen mit Spankontrolle • zusätzlicher Freigang an der Nebenschneide	10° positiv	B19
NFD-KI 	• Tief-Axialinneneinstechen Spankontrolle • zur Verwendung in Bohrstangen für Axialinneneinstiche	10° positiv	B20
NP-K **NPD-K** 	• Drehen • Rückkopieren • Profildrehen mit Spankontrolle	10° positiv	B20
NU 	• Für Freistiche	neutral	B18
NV 	• Poly-V-Einstechen	neutral	B18
NGC-K 	• Einstechen und Fasen - kombiniert mit Spankontrolle • für Sicherungsringnuten gemäß DIN 471/472s	10° positive	B21
NB/NBD 	• Rohlinge • Rohlinge zum Tiefeinstechen • nur in unbeschichteten Schneidstoffsorten verfügbar	- -	B22

NG-K



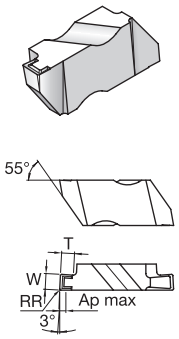


Wendeschneidplatten-Größe	W Zoll	W mm	Katalognummer	Ap max Zoll	Ap max mm	RR Zoll	RR mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	P KC9110	M KT315	M KC5010	M KC5025	K KC5010	K KC5025	K KC9110	N KC5410	N KC5025	N KD1405	N KD100	S K313	S K68	S KC5010	S KC5025	H KD081	H KD120	KENNA UNIVERSAL KU10T	KENNA UNIVERSAL KU30T
			Rechts																												
2	.031	0,79	**NG2031RK**	.030	0,76	.0035	0,09	.050	1,27	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.032	0,80	**NG2M080RK**	.030	0,76	.0035	0,09	.050	1,27		●	●			●	●	●	●			●					●	●				
2	.039	1,00	**NG2M100RK**	.030	0,76	.0035	0,09	.050	1,27	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.047	1,19	**NG2047RK**	.030	0,76	.0035	0,09	.050	1,27	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.047	1,20	**NG2M120RK**	.030	0,76	.0035	0,09	.050	1,27	●	●	●		●	●	●	●	●			●					●	●				
2	.055	1,40	**NG2M140RK**	.030	0,76	.0035	0,09	.050	1,27	●	●	●		●	●	●	●	●			●					●	●				
2	.059	1,50	**NG2M150RK**	.043	1,09	.0075	0,19	.110	2,79	●		●		●		●		●			●						●			●	●
2	.062	1,58	**NG2062RK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.067	1,70	**NG2M170RK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●				
2	.069	1,75	**NG2M175RK**	.043	1,09	.0075	0,19	.110	2,79			●				●		●			●						●				
2	.077	1,95	**NG2M195RK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●				
2	.079	2,00	**NG2M200RK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.087	2,20	**NG2M220RK**	.043	1,09	.0075	0,19	.110	2,79			●				●		●			●						●				
2	.088	2,25	**NG2M225RK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●				
2	.094	2,39	**NG2094RK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.098	2,50	**NG2M250RK**	.043	1,09	.0075	0,19	.110	2,79			●				●		●			●						●				
2	.108	2,75	**NG2M275RK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●				
2	.118	3,00	**NG2M300RK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.125	3,18	**NG2125RK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.128	3,25	**NG2M325RK**	.043	1,09	.0075	0,19	.110	2,79			●				●		●			●						●				
3	.039	1,00	**NG3M100RK**	.030	0,76	.0075	0,19	.075	1,91	●		●		●		●		●			●						●			●	●
3	.047	1,19	**NG3047RK**	.030	0,76	.0075	0,19	.075	1,91		●	●	●		●	●	●	●	●		●					●	●			●	●
3	.047	1,20	**NG3M120RK**	.030	0,76	.0075	0,19	.075	1,91		●	●			●	●	●	●			●					●	●				
3	.059	1,50	**NG3M150RK**	.040	1,02	.0075	0,19	.094	2,39	●		●	●	●		●		●	●		●						●			●	●
3	.062	1,58	**NG3062RK**	.040	1,02	.0075	0,19	.094	2,39	●	●	●	●	●	●	●	●	●	●		●				●	●	●			●	●
3	.069	1,75	**NG3M175RK**	.040	1,02	.0075	0,19	.094	2,39			●				●		●			●						●				
3	.072	1,83	**NG3072RK**	.040	1,02	.0075	0,19	.094	2,39		●	●			●	●	●	●			●					●	●			●	●
3	.078	1,98	**NG3078RK**	.040	1,02	.0075	0,19	.094	2,39		●	●	●		●	●	●	●	●		●					●	●			●	●
3	.079	2,00	**NG3M200RK**	.040	1,02	.0075	0,19	.094	2,39	●		●	●	●		●		●	●		●						●			●	●
3	.087	2,20	**NG3M220RK**	.040	1,02	.0075	0,19	.094	2,39			●				●		●			●						●				
3	.088	2,25	**NG3M225RK**	.040	1,02	.0075	0,19	.094	2,39	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
3	.094	2,39	**NG3094RK**	.040	1,02	.0075	0,19	.150	3,81	●	●	●	●	●	●	●	●	●	●		●				●	●	●			●	●
3	.098	2,50	**NG3M250RK**	.040	1,02	.0075	0,19	.150	3,81	●		●	●	●		●		●	●		●						●			●	●
3	.108	2,75	**NG3M275RK**	.040	1,02	.0075	0,19	.150	3,81	●	●	●		●	●	●	●	●			●					●	●			●	●
3	.118	3,00	**NG3M300RK**	.040	1,02	.0075	0,19	.150	3,81	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
3	.125	3,18	**NG3125RK**	.040	1,02	.0075	0,19	.150	3,81	●	●	●	●	●	●	●	●	●	●		●				●	●	●			●	●
3	.126	3,20	**NG3M320RK**	.040	1,02	.0075	0,19	.150	3,81			●				●		●			●						●				
3	.128	3,25	**NG3M325RK**	.040	1,02	.0075	0,19	.150	3,81	●		●		●		●		●			●						●				
3	.138	3,50	**NG3M350RK**	.115	2,92	.0125	0,32	.150	3,81	●		●		●		●		●			●						●			●	●
3	.156	3,96	**NG3156RK**	.115	2,92	.0075	0,19	.150	3,81		●	●			●	●	●	●			●					●	●			●	●
3	.158	4,00	**NG3M400RK**	.115	2,92	.0125	0,32	.150	3,81	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
3	.167	4,25	**NG3M425RK**	.115	2,92	.0125	0,32	.150	3,81		●	●			●	●	●	●			●					●	●				
3	.177	4,50	**NG3M450RK**	.115	2,92	.0125	0,32	.150	3,81			●				●		●			●						●				
3	.189	4,80	**NG3189RK**	.115	2,92	.0225	0,57	.150	3,81	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
4	.118	3,00	**NG4M300RK**	.040	1,02	.0075	0,19	.150	3,81			●				●		●			●						●				
4	.125	3,18	**NG4125RK**	.040	1,02	.0075	0,19	.150	3,81	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
4	.126	3,20	**NG4M320RK**	.040	1,02	.0075	0,19	.150	3,81			●				●		●			●						●				
4	.138	3,50	**NG4M350RK**	.115	2,92	.0225	0,57	.250	6,35			●	●			●		●	●		●						●				
4	.158	4,00	**NG4M400RK**	.115	2,92	.0225	0,57	.250	6,35		●	●	●		●	●	●	●	●		●					●	●				
4	.177	4,50	**NG4M450RK**	.115	2,92	.0225	0,57	.250	6,35			●				●		●			●						●				
4	.189	4,80	**NG4189RK**	.115	2,92	.0225	0,57	.250	6,35	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
4	.197	5,00	**NG4M500RK**	.115	2,92	.0125	0,32	.250	6,35	●	●	●	●	●	●	●	●	●	●		●					●	●				
4	.217	5,50	**NG4M550RK**	.150	3,81	.0225	0,57	.250	6,35			●				●		●			●						●				
4	.236	6,00	**NG4M600RK**	.150	3,81	.0225	0,57	.250	6,35			●	●			●		●	●		●						●				
4	.250	6,35	**NG4250RK**	.150	3,81	.0225	0,57	.250	6,35	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●

HINWEIS: Rechte Ausführung abgebildet; linke Ausführung ist spiegelbildlich.

Bestellbeispiel:
Katalognummer: **NG2031RK**
Schneidstoffsorte: **KT315**

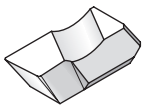
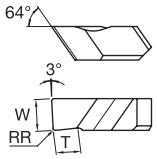
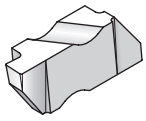
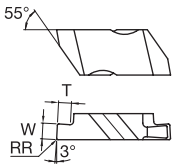
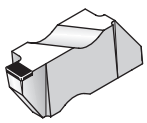
NG-K



Wendeschneidplatten-Größe	W Zoll	W mm	Katalognummer	Ap max Zoll	Ap max mm	RR Zoll	RR mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	P KC9110	M KT315	M KC5010	M KC5025	K KC5010	K KC5025	K KC9110	N KC5410	N KC5025	N KD1405	N KD100	S K313	S K68	S KC5010	S KC5025	H KD081	H KD120	KENNA UNIVERSAL KU10T	KENNA UNIVERSAL KU30T
			Links																												
2	.031	0,79	**NG2031LK**	.030	0,76	.0035	0,09	.050	1,27	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.032	0,80	**NG2M080LK**	.030	0,76	.0035	0,09	.050	1,27		●	●			●	●	●	●			●					●	●				
2	.039	1,00	**NG2M100LK**	.030	0,76	.0035	0,09	.050	1,27	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.047	1,19	**NG2047LK**	.030	0,76	.0035	0,09	.050	1,27	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.047	1,20	**NG2M120LK**	.030	0,76	.0035	0,09	.050	1,27	●	●	●		●	●	●	●	●			●					●	●				
2	.055	1,40	**NG2M140LK**	.030	0,76	.0035	0,09	.050	1,27	●	●	●		●	●	●	●	●			●					●	●				
2	.059	1,50	**NG2M150LK**	.043	1,09	.0075	0,19	.110	2,79	●		●		●		●		●			●						●			●	●
2	.062	1,58	**NG2062LK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.067	1,70	**NG2M170LK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●				
2	.069	1,75	**NG2M175LK**	.043	1,09	.0075	0,19	.110	2,79			●				●		●			●						●				
2	.077	1,95	**NG2M195LK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●						●				
2	.079	2,00	**NG2M200LK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.087	2,20	**NG2M220LK**	.043	1,09	.0075	0,19	.110	2,79			●				●		●			●						●				
2	.088	2,25	**NG2M225LK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●				
2	.094	2,39	**NG2094LK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.098	2,50	**NG2M250LK**	.043	1,09	.0075	0,19	.110	2,79			●				●		●			●						●				
2	.108	2,75	**NG2M275LK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●				
2	.118	3,00	**NG2M300LK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.125	3,18	**NG2125LK**	.043	1,09	.0075	0,19	.110	2,79	●	●	●		●	●	●	●	●			●					●	●			●	●
2	.128	3,25	**NG2M325LK**	.043	1,09	.0075	0,19	.110	2,79			●				●		●			●						●				
3	.039	1,00	**NG3M100LK**	.030	0,76	.0075	0,19	.075	1,91	●		●		●		●		●			●						●			●	●
3	.047	1,19	**NG3047LK**	.030	0,76	.0075	0,19	.075	1,91		●	●	●		●	●	●	●	●		●					●	●			●	●
3	.047	1,20	**NG3M120LK**	.030	0,76	.0075	0,19	.075	1,91		●	●			●	●	●	●			●					●	●				
3	.059	1,50	**NG3M150LK**	.040	1,02	.0075	0,19	.094	2,39	●		●	●	●		●		●	●		●						●			●	●
3	.062	1,58	**NG3062LK**	.040	1,02	.0075	0,19	.094	2,39	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
3	.069	1,75	**NG3M175LK**	.040	1,02	.0075	0,19	.094	2,39			●				●		●			●						●				
3	.072	1,83	**NG3072LK**	.040	1,02	.0075	0,19	.094	2,39		●	●			●	●	●	●			●					●	●			●	●
3	.078	1,98	**NG3078LK**	.040	1,02	.0075	0,19	.094	2,39		●	●	●		●	●	●	●	●		●					●	●			●	●
3	.079	2,00	**NG3M200LK**	.040	1,02	.0075	0,19	.094	2,39	●		●	●	●		●		●	●		●						●			●	●
3	.087	2,20	**NG3M220LK**	.040	1,02	.0075	0,19	.094	2,39			●				●		●			●						●				
3	.088	2,25	**NG3M225LK**	.040	1,02	.0075	0,19	.094	2,39	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
3	.094	2,39	**NG3094LK**	.040	1,02	.0075	0,19	.150	3,81	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
3	.098	2,50	**NG3M250LK**	.040	1,02	.0075	0,19	.150	3,81	●		●	●	●		●		●	●		●						●			●	●
3	.108	2,75	**NG3M275LK**	.040	1,02	.0075	0,19	.150	3,81	●	●	●		●	●	●	●	●			●					●	●			●	●
3	.118	3,00	**NG3M300LK**	.040	1,02	.0075	0,19	.150	3,81	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
3	.125	3,18	**NG3125LK**	.040	1,02	.0075	0,19	.150	3,81	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
3	.126	3,20	**NG3M320LK**	.040	1,02	.0075	0,19	.150	3,81			●				●		●			●						●				
3	.128	3,25	**NG3M325LK**	.040	1,02	.0075	0,19	.150	3,81	●		●		●		●		●			●						●				
3	.138	3,50	**NG3M350LK**	.115	2,92	.0125	0,32	.150	3,81	●		●		●		●		●			●						●			●	●
3	.156	3,96	**NG3156LK**	.115	2,92	.0075	0,19	.150	3,81		●	●			●	●	●	●			●					●	●			●	●
3	.158	4,00	**NG3M400LK**	.115	2,92	.0125	0,32	.150	3,81	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
3	.167	4,25	**NG3M425LK**	.115	2,92	.0125	0,32	.150	3,81		●	●			●	●	●	●			●					●	●				
3	.177	4,50	**NG3M450LK**	.115	2,92	.0125	0,32	.150	3,81			●				●		●			●						●				
3	.189	4,80	**NG3189LK**	.115	2,92	.0225	0,57	.150	3,81	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
4	.118	3,00	**NG4M300LK**	.040	1,02	.0075	0,19	.150	3,81			●				●		●			●						●				
4	.125	3,18	**NG4125LK**	.040	1,02	.0075	0,19	.150	3,81	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
4	.126	3,20	**NG4M320LK**	.040	1,02	.0075	0,19	.150	3,81			●				●		●			●						●				
4	.138	3,50	**NG4M350LK**	.115	2,92	.0225	0,57	.250	6,35			●	●			●		●	●		●						●				
4	.158	4,00	**NG4M400LK**	.115	2,92	.0225	0,57	.250	6,35		●	●	●		●	●	●	●	●		●					●	●				
4	.177	4,50	**NG4M450LK**	.115	2,92	.0225	0,57	.250	6,35			●				●		●			●						●				
4	.189	4,80	**NG4189LK**	.115	2,92	.0225	0,57	.250	6,35	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●
4	.197	5,00	**NG4M500LK**	.115	2,92	.0125	0,32	.250	6,35	●	●	●	●	●	●	●	●	●	●		●					●	●				
4	.217	5,50	**NG4M550LK**	.150	3,81	.0225	0,57	.250	6,35			●				●		●			●						●				
4	.236	6,00	**NG4M600LK**	.150	3,81	.0225	0,57	.250	6,35			●	●			●		●	●		●						●				
4	.250	6,35	**NG4250LK**	.150	3,81	.0225	0,57	.250	6,35	●	●	●	●	●	●	●	●	●	●		●					●	●			●	●

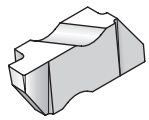
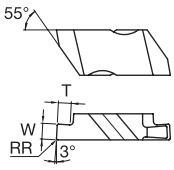
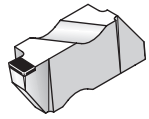
HINWEIS: Rechte Ausführung abgebildet; linke Ausführung ist spiegelbildlich.

Bestellbeispiel:
Katalognummer: NG2031LK
Schneidstoffsorte: KT315

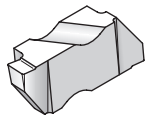
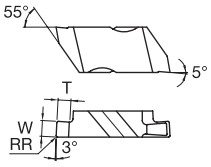
	Wendeschneidplatten-Größe	W Zoll	W mm	Katalognummer	Abmessungen Ap max Zoll	Ap max mm	RR Zoll	RR mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	P KC9110	M KT315	M KC5010	M KC5025	K KC5010	K KC5025	K KC9110	N KC5410	N KC5025	N KD1405	N KD100	S K313	S K68	S KC5010	S KC5025	H KD081	H KD120	KENNA UNIVERSAL KU10T	KU30T
NG-1L				**Links**																												
	1	.031	0,79	**NG1031L***	-	-	.0075	0,19	.050	1,27			●				●		●			●						●				
	1	.047	1,19	**NG1047L***	-	-	.0075	0,19	.075	1,91			●				●		●			●				●		●				
	1	.062	1,60	**NG1062L***	-	-	.0075	0,19	.075	1,91			●				●		●			●				●		●				
	1	.094	2,39	**NG1094L***	-	-	.0075	0,19	.075	1,91			●				●		●			●				●		●				
																																
*Diese Wendeschneidplatten sind einschneidig.																																
NG				**Rechts**																												
	2	.031	0,79	**NG2031R**	-	-	.0035	0,09	.050	1,27		●	●			●	●	●	●			●				●	●	●			●	
	2	.041	1,04	**NG2041R**	-	-	.0035	0,09	.050	1,27		●	●			●	●	●	●			●				●	●	●				
	2	.047	1,19	**NG2047R**	-	-	.0035	0,09	.050	1,27		●	●			●	●	●	●			●				●	●	●			●	
	2	.058	1,47	**NG2058R**	-	-	.0075	0,19	.050	1,27		●	●			●	●	●	●			●				●	●	●				
	2	.062	1,58	**NG2062R**	-	-	.0075	0,19	.110	2,79		●	●			●	●	●	●			●				●	●	●			●	●
	2	.094	2,39	**NG2094R**	-	-	.0075	0,19	.110	2,79		●	●			●	●	●	●			●				●	●	●			●	
	2	.125	3,18	**NG2125R**	-	-	.0075	0,19	.110	2,79		●	●			●	●	●	●			●				●	●	●				
	3	.047	1,19	**NG3047R**	-	-	.0075	0,19	.075	1,91		●	●	●		●	●	●	●	●		●			●	●	●	●			●	●
	3	.062	1,58	**NG3062R**	-	-	.0075	0,19	.094	2,39		●	●	●		●	●	●	●	●		●		●	●	●	●	●	●	●	●	●
	3	.072	1,83	**NG3072R**	-	-	.0075	0,19	.094	2,39		●				●		●								●	●					
	3	.078	1,98	**NG3078R**	-	-	.0075	0,19	.094	2,39		●				●		●								●	●					
	3	.088	2,24	**NG3088R**	-	-	.0075	0,19	.094	2,39		●	●			●	●	●	●			●			●	●	●					
	3	.094	2,39	**NG3094R**	-	-	.0075	0,19	.150	3,81		●	●	●		●	●	●	●	●		●		●	●	●	●	●	●	●	●	●
	3	.097	2,46	**NG3097R**	-	-	.0125	0,32	.150	3,81		●	●			●	●	●	●			●				●	●	●				
	3	.105	2,67	**NG3105R**	-	-	.0075	0,19	.150	3,81		●	●			●	●	●	●			●				●	●	●				
	3	.110	2,79	**NG3110R**	-	-	.0125	0,32	.150	3,81			●				●		●			●				●		●				
	3	.122	3,10	**NG3122R**	-	-	.0075	0,19	.150	3,81			●				●		●			●						●				
	3	.125	3,18	**NG3125R**	-	-	.0075	0,19	.150	3,81		●	●	●		●	●	●	●	●		●		●	●	●	●	●	●	●	●	●
	3	.142	3,61	**NG3142R**	-	-	.0125	0,32	.150	3,81		●	●			●	●	●	●			●				●	●	●				
	3	.156	3,96	**NG3156R**	-	-	.0075	0,19	.150	3,81		●	●			●	●	●	●			●				●	●	●		●		
	3	.178	4,52	**NG3178R**	-	-	.0075	0,19	.150	3,81			●				●		●			●						●				
	3	.185	4,70	**NG3185R**	-	-	.0225	0,57	.150	3,81			●				●		●			●						●				
	3	.189	4,80	**NG3189R**	-	-	.0225	0,57	.150	3,81		●	●	●		●	●	●	●	●		●		●	●	●	●	●	●		●	●
	4	.125	3,18	**NG4125R**	-	-	.0075	0,19	.150	3,81		●	●	●		●	●	●	●	●		●				●	●	●			●	●
	4	.189	4,80	**NG4189R**	-	-	.0225	0,57	.250	6,35		●	●	●		●	●	●	●	●		●				●	●	●		●	●	
	4	.213	5,41	**NG4213R**	-	-	.0075	0,19	.250	6,35			●				●		●			●						●				
	4	.219	5,56	**NG4219R**	-	-	.0225	0,57	.250	6,35			●				●		●			●						●				
	4	.250	6,35	**NG4250R**	-	-	.0225	0,57	.250	6,35		●	●	●		●	●	●	●	●		●			●	●	●	●		●	●	
	5	.197	5,00	**NG5M500R**	-	-	.0125	0,32	.375	9,52			●				●		●			●				●		●				
	5	.236	6,00	**NG5M600R**	-	-	.0125	0,32	.375	9,52			●				●		●			●				●		●				
	5	.250	6,35	**NG5250R**	-	-	.0225	0,57	.375	9,52			●				●		●			●				●		●				
	5	.281	7,14	**NG5281R**	-	-	.0325	0,83	.375	9,52			●				●		●			●				●		●				
	5	.312	7,93	**NG5312R**	-	-	.0325	0,83	.375	9,52			●				●		●			●				●		●				
	5	.375	9,53	**NG5375R**	-	-	.0325	0,83	.375	9,52			●				●		●			●				●		●				
	6	.281	7,14	**NG6281R**	-	-	.0325	0,83	.250	6,35			●				●		●			●						●				
	6	.312	7,93	**NG6312R**	-	-	.0325	0,83	.250	6,35			●				●		●			●						●				
	6	.375	9,53	**NG6375R**	-	-	.0325	0,83	.250	6,35			●				●		●			●						●				
HINWEIS: Bei allen KD...-Sorten handelt es sich um einschneidige, bestückte Wendeschneidplatten																																

HINWEIS: Rechte Ausführung abgebildet; linke Ausführung ist spiegelbildlich.

Bestellbeispiel:
Katalognummer: NG1031L
Schneidstoffsorte: KC5025

	Wendeschneidplatten-Größe	W Zoll	W mm	Katalognummer	Ap max Zoll	Ap max mm	RR Zoll	RR mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	P KC9110	KENNA PERFECT M KT315	M KC5010	M KC5025	KENNA PERFECT K KC5010	K KC5025	K KC9110	KENNA PERFECT N KC5410	N KC5025	N KD1405	N KD100	KENNA PERFECT S K313	S K68	S KC5010	S KC5025	KENNA PERFECT H KD081	H KD120	KENNA UNIVERSAL KU10T	KENNA UNIVERSAL KU30T
NG				**Links**																												
	2	.031	0,79	**NG2031L**	-	-	.0035	0,09	.050	1,27		●	●			●	●	●	●			●				●	●	●			●	
	2	.041	1,04	**NG2041L**	-	-	.0035	0,09	.050	1,27		●	●			●	●	●	●			●				●	●	●			●	
	2	.047	1,19	**NG2047L**	-	-	.0035	0,09	.050	1,27		●	●			●	●	●	●			●				●	●	●			●	
	2	.058	1,47	**NG2058L**	-	-	.0075	0,19	.050	1,27		●	●			●	●	●	●			●				●	●	●				
	2	.062	1,58	**NG2062L**	-	-	.0075	0,19	.110	2,79		●	●			●	●	●	●			●				●	●	●			●	●
	2	.094	2,39	**NG2094L**	-	-	.0075	0,19	.110	2,79		●	●			●	●	●	●			●				●	●	●			●	
	2	.125	3,18	**NG2125L**	-	-	.0075	0,19	.110	2,79		●	●			●	●	●	●			●				●	●	●				
	3	.047	1,19	**NG3047L**	-	-	.0075	0,19	.075	1,91		●	●	●		●	●	●	●	●		●		●		●	●	●			●	●
	3	.062	1,58	**NG3062L**	-	-	.0075	0,19	.094	2,39		●	●	●		●	●	●	●	●		●		●		●	●	●	●	●	●	●
	3	.072	1,83	**NG3072L**	-	-	.0075	0,19	.094	2,39		●				●		●								●	●					
	3	.078	1,98	**NG3078L**	-	-	.0075	0,19	.094	2,39		●				●		●								●	●					
	3	.088	2,24	**NG3088L**	-	-	.0075	0,19	.094	2,39		●	●			●	●	●	●			●				●	●	●				
	3	.094	2,39	**NG3094L**	-	-	.0075	0,19	.150	3,81		●	●	●		●	●	●	●	●		●		●	●	●	●	●	●	●	●	●
	3	.097	2,46	**NG3097L**	-	-	.0125	0,32	.150	3,81		●	●			●	●	●	●			●				●	●	●				
	3	.105	2,67	**NG3105L**	-	-	.0075	0,19	.150	3,81		●	●			●	●	●	●			●				●	●	●				
	3	.110	2,79	**NG3110L**	-	-	.0125	0,32	.150	3,81			●				●		●			●				●		●				
	3	.122	3,10	**NG3122L**	-	-	.0075	0,19	.150	3,81			●				●		●			●				●		●				
	3	.125	3,18	**NG3125L**	-	-	.0075	0,19	.150	3,81		●	●	●		●	●	●	●	●		●		●	●	●	●	●	●	●	●	●
	3	.142	3,61	**NG3142L**	-	-	.0125	0,32	.150	3,81		●	●			●	●	●	●			●				●	●	●				
	3	.156	3,96	**NG3156L**	-	-	.0075	0,19	.150	3,81		●	●			●	●	●	●			●				●	●	●	●	●		
	3	.178	4,52	**NG3178L**	-	-	.0075	0,19	.150	3,81			●				●		●			●						●				
	3	.185	4,70	**NG3185L**	-	-	.0225	0,57	.150	3,81			●				●		●			●						●				
	3	.189	4,80	**NG3189L**	-	-	.0225	0,57	.150	3,81		●	●	●		●	●	●	●	●		●			●	●	●	●		●	●	●
	4	.125	3,18	**NG4125L**	-	-	.0075	0,19	.150	3,81		●	●	●		●	●	●	●	●		●				●	●	●		●	●	●
	4	.189	4,80	**NG4189L**	-	-	.0225	0,57	.250	6,35		●	●	●		●	●	●	●	●		●				●	●	●		●	●	
	4	.213	5,41	**NG4213L**	-	-	.0075	0,19	.250	6,35			●				●		●			●						●				
	4	.219	5,56	**NG4219L**	-	-	.0225	0,57	.250	6,35			●				●		●			●						●				
	4	.250	6,35	**NG4250L**	-	-	.0225	0,57	.250	6,35		●	●	●		●	●	●	●	●		●			●	●	●	●			●	
	5	.197	5,00	**NG5M500L**	-	-	.0125	0,32	.375	9,52			●				●		●			●				●		●				
	5	.236	6,00	**NG5M600L**	-	-	.0125	0,32	.375	9,52			●				●		●			●				●		●				
	5	.250	6,35	**NG5250L**	-	-	.0225	0,57	.375	9,53			●				●		●			●				●		●				
	5	.281	7,14	**NG5281L**	-	-	.0325	0,83	.375	9,52			●				●		●			●				●		●				
	5	.312	7,93	**NG5312L**	-	-	.0325	0,83	.375	9,52			●				●		●			●				●		●				
	5	.375	9,53	**NG5375L**	-	-	.0325	0,83	.375	9,52			●				●		●			●				●		●				
	6	.281	7,14	**NG6281L**	-	-	.0325	0,83	.250	6,35			●				●		●			●						●				
	6	.312	7,93	**NG6312L**	-	-	.0325	0,83	.250	6,35			●				●		●			●						●				
	6	.375	9,53	**NG6375L**	-	-	.0325	0,83	.250	6,35			●				●		●			●						●				

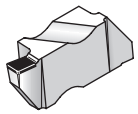
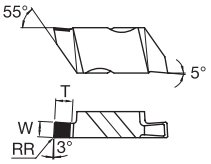
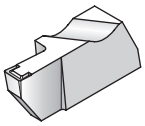
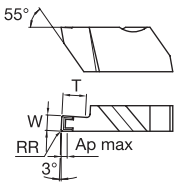
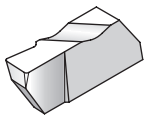
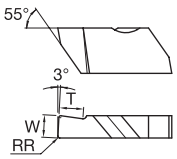
HINWEIS:
Bei allen KD...-Sorten handelt es sich um einschneidige, bestückte Wendeschneidplatten

NGP				**Rechts**																												
	2	.031	0,79	**NGP2031R**	-	-	.0035	0,09	.050	1,27		●				●		●			●				●	●						
	2	.062	1,58	**NGP2062R**	-	-	.0075	0,19	.110	2,79		●				●		●			●				●	●						
	2	.125	3,18	**NGP2125R**	-	-	.0075	0,19	.110	2,79		●				●		●			●				●	●						
	3	.088	2,24	**NGP3088R**	-	-	.0075	0,19	.094	2,39		●				●		●			●			●			●					
	3	.125	3,18	**NGP3125R**	-	-	.0075	0,19	.150	3,81		●				●		●			●			●		●	●					
	3	.156	3,96	**NGP3156R**	-	-	.0075	0,19	.150	3,81		●				●		●			●						●					
	3	.189	4,80	**NGP3189R**	-	-	.0225	0,57	.150	3,81		●				●		●			●			●			●					
	4	.189	4,80	**NGP4189R**	-	-	.0225	0,57	.250	6,35		●				●		●			●						●					
	4	.250	6,35	**NGP4250R**	-	-	.0225	0,57	.250	6,35		●				●		●			●						●					
				Links																												
	2	.031	0,79	**NGP2031L**	-	-	.0035	0,09	.050	1,27		●				●		●			●				●	●						
	2	.062	1,58	**NGP2062L**	-	-	.0075	0,19	.110	2,79		●				●		●			●				●	●						
	2	.125	3,18	**NGP2125L**	-	-	.0075	0,19	.110	2,79		●				●		●			●				●	●						
	3	.088	2,24	**NGP3088L**	-	-	.0075	0,19	.094	2,39		●				●		●			●			●			●					
	3	.125	3,18	**NGP3125L**	-	-	.0075	0,19	.150	3,81		●				●		●			●			●		●	●					
	3	.156	3,96	**NGP3156L**	-	-	.0075	0,19	.150	3,81		●				●		●			●						●					
	3	.189	4,80	**NGP3189L**	-	-	.0225	0,57	.150	3,81		●				●		●			●			●			●					
	4	.189	4,80	**NGP4189L**	-	-	.0225	0,57	.250	6,35		●				●		●			●						●					
	4	.250	6,35	**NGP4250L**	-	-	.0225	0,57	.250	6,35		●				●		●			●						●					

HINWEIS:
Bei allen KD...-Sorten handelt es sich um einschneidige, bestückte Wendeschneidplatten

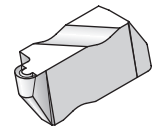
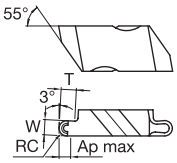
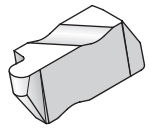
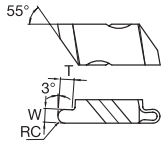
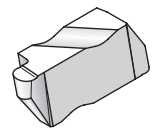
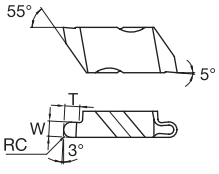
HINWEIS: Rechte Ausführung abgebildet; linke Ausführung ist spiegelbildlich.

Bestellbeispiel:
Katalognummer: NG2031L
Schneidstoffsorte: KC5010

	Wendeschneidplatten-Größe	W Zoll	W mm	Katalognummer	Abmessungen Ap max Zoll	Ap max mm	RR Zoll	RR mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	P KC9110	M KT315	M KC5010	M KC5025	K KC5010	K KC5025	K KC9110	N KC5410	N KC5025	N KD1405	N KD100	S K313	S K68	S KC5010	S KC5025	H KD081	H KD120	KENNA UNIVERSAL KU10T	KU30T
NGP-E				**Rechts**																												
	3	.094	2,39	**NGP3094RE**	-	-	.0075	0,19	.150	3,81													●									
	3	.125	3,18	**NGP3125RE**	-	-	.0075	0,19	.150	3,81													●									
	3	.189	4,80	**NGP3189RE**	-	-	.0225	0,57	.150	3,81													●									
				Links																												
	3	.094	2,39	**NGP3094LE**	-	-	.0075	0,19	.150	3,81													●									
	3	.125	3,18	**NGP3125LE**	-	-	.0075	0,19	.150	3,81													●									
	3	.189	4,80	**NGP3189LE**	-	-	.0225	0,57	.150	3,81													●									
																																
HINWEIS: Bei allen KD...-Sorten handelt es sich um einschneidige, bestückte Wendeschneidplatten																																
NGD-K				**Rechts**																												
	3	.062	1,58	**NGD3062RK**	.040	1,02	.0075	0,19	.125	3,18	●	●	●		●	●	●	●	●			●			●		●	●			●	●
	3	.094	2,39	**NGD3094RK***	.040	1,02	.0075	0,19	.250	6,35	●	●	●		●	●	●	●	●			●			●		●	●			●	●
	3	.125	3,18	**NGD3125RK***	.040	1,02	.0075	0,19	.250	6,35	●	●	●		●	●	●	●	●			●			●		●	●			●	●
	3	.189	4,80	**NGD3189RK***	.115	2,92	.0225	0,57	.250	6,35	●	●	●		●	●	●	●	●			●					●	●			●	●
	4	.125	3,18	**NGD4125RK**	.040	1,02	.0075	0,19	.250	6,35	●	●	●		●	●	●	●	●			●					●	●				
	4	.185	4,70	**NGD4185RK***	.115	2,92	.0225	0,57	.375	9,53			●				●		●			●						●				
	4	.189	4,80	**NGD4189RK***	.115	2,92	.0225	0,57	.375	9,53	●	●	●		●	●	●	●	●			●			●		●	●				
	4	.250	6,35	**NGD4250RK***	.150	3,81	.0225	0,57	.500	12,70	●	●	●		●	●	●	●	●			●			●		●	●				
				Links																												
	3	.062	1,58	**NGD3062LK**	.040	1,02	.0075	0,19	.125	3,18	●	●	●		●	●	●	●	●			●			●		●	●			●	●
	3	.094	2,39	**NGD3094LK***	.040	1,02	.0075	0,19	.250	6,35	●	●	●		●	●	●	●	●			●			●		●	●			●	●
	3	.125	3,18	**NGD3125LK***	.040	1,02	.0075	0,19	.250	6,35	●	●	●		●	●	●	●	●			●			●		●	●			●	●
	3	.189	4,80	**NGD3189LK***	.115	2,92	.0225	0,57	.250	6,35	●	●	●		●	●	●	●	●			●			●		●	●			●	●
	4	.125	3,18	**NGD4125LK**	.040	1,02	.0075	0,19	.250	6,35	●	●	●		●	●	●	●	●			●					●	●				
	4	.189	4,80	**NGD4189LK***	.115	2,92	.0225	0,57	.375	9,53	●	●	●		●	●	●	●	●			●			●		●	●				
	4	.250	6,35	**NGD4250LK***	.150	3,81	.0225	0,57	.500	12,70	●	●	●		●	●	●	●	●			●			●		●	●				
																																
* Diese Wendeschneidplatten sind einschneidig.																																
NGD				**Rechts**																												
	3	.189	4,80	**NGD3189R***	-	-	.0225	0,57	.250	6,35		●				●		●							●		●					
	4	.250	6,35	**NGD4250R***	-	-	.0225	0,57	.500	12,70		●				●		●							●		●					
				Links																												
	3	.189	4,80	**NGD3189L***	-	-	.0225	0,57	.250	6,35		●				●		●							●		●					
	4	.250	6,35	**NGD4250L***	-	-	.0225	0,57	.500	12,70		●				●		●							●		●					
																																
* Diese Wendeschneidplatten sind einschneidig.																																

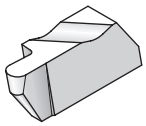
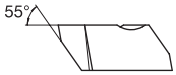
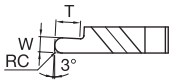
HINWEIS: Rechte Ausführung abgebildet; linke Ausführung ist spiegelbildlich.

Bestellbeispiel:
Katalognummer: **NGP3094RE**
Schneidstoffsorte: **KD1405**

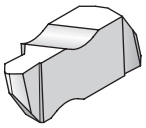
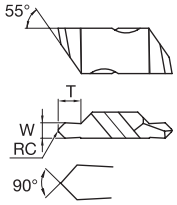
	Wendeschneidplatten-Größe	W Zoll	W mm	Katalognummer	Ap max Zoll	Ap max mm	RC Zoll	RC mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	P KC9110	M KT315	M KC5010	M KC5025	K KC5010	K KC5025	K KC9110	N KC5410	N KC5025	N KD1405	N KD100	S K313	S K68	S KC5010	S KC5025	H KD081	H KD120	KENNA UNIVERSAL KU10T	KENNA UNIVERSAL KU30T
NR-K				**Rechts**																												
	3	.062	1,58	**NR3031RK**	.078	1,98	.031	0,79	.094	2,39		●	●			●	●	●	●			●					●	●			●	●
	3	.094	2,39	**NR3047RK**	.075	1,91	.047	1,19	.150	3,81		●	●			●	●	●	●			●				●	●	●			●	●
	3	.156	3,96	**NR3078RK**	.100	2,54	.078	1,98	.150	3,81		●	●			●	●	●	●			●					●	●				
	3	.125	3,18	**NR3062RK**	.115	2,92	.063	1,59	.150	3,81		●	●			●	●	●	●			●					●	●			●	●
	4	.125	3,18	**NR4062RK**	.115	2,92	.063	1,59	.150	3,81		●	●			●	●	●	●			●					●	●				
	4	.188	4,78	**NR4094RK**	.150	3,81	.094	2,39	.250	6,35		●	●			●	●	●	●			●					●	●				
	4	.250	6,35	**NR4125RK**	.150	3,81	.125	3,18	.250	6,35		●	●			●	●	●	●			●				●	●	●				
				Links																												
	3	.062	1,58	**NR3031LK**	.078	1,98	.031	0,79	.094	2,39		●	●			●	●	●	●			●					●	●			●	●
	3	.094	2,39	**NR3047LK**	.075	1,91	.047	1,19	.150	3,81		●	●			●	●	●	●			●					●	●			●	●
	3	.156	3,96	**NR3078LK**	.100	2,54	.078	1,98	.150	3,81		●	●			●	●	●	●			●					●	●				
	3	.125	3,18	**NR3062LK**	.115	2,92	.063	1,59	.150	3,81		●	●			●	●	●	●			●					●	●			●	●
	4	.125	3,18	**NR4062LK**	.115	2,92	.063	1,59	.150	3,81		●	●			●	●	●	●			●					●	●				
	4	.188	4,78	**NR4094LK**	.150	3,81	.094	2,39	.250	6,35		●	●			●	●	●	●			●					●	●				
	4	.250	6,35	**NR4125LK**	.150	3,81	.125	3,18	.250	6,35		●	●			●	●	●	●			●					●	●				
NR				**Rechts**																												
	2	.062	1,58	**NR2031R**	-	-	.031	0,79	.110	2,79		●	●			●	●	●	●			●					●	●				
	2	.094	2,39	**NR2047R**	-	-	.047	1,19	.110	2,79			●				●		●			●					●	●				
	2	.125	3,18	**NR2062R**	-	-	.063	1,59	.110	2,79		●	●			●	●	●	●			●					●	●				
	3	.062	1,58	**NR3031R**	-	-	.031	0,79	.094	2,39		●				●		●							●	●	●			●	●
	3	.094	2,39	**NR3047R**	-	-	.047	1,19	.150	3,81		●				●		●							●	●	●			●	●
	3	.125	3,18	**NR3062R**	-	-	.063	1,59	.150	3,81		●				●		●							●	●	●			●	●
	3	.156	3,96	**NR3078R**	-	-	.078	1,98	.150	3,81															●	●					
	3	.188	4,78	**NR3094R**	-	-	.094	2,39	.150	3,81		●	●			●	●	●	●			●			●		●	●				
	4	.125	3,18	**NR4062R**	-	-	.063	1,59	.150	3,81																●					
	4	.188	4,78	**NR4094R**	-	-	.094	2,39	.250	6,35															●	●					
	4	.250	6,35	**NR4125R**	-	-	.125	3,18	.250	6,35		●				●		●							●	●	●				
				Links																												
	2	.062	1,58	**NR2031L**	-	-	.031	0,79	.110	2,79		●	●			●	●	●	●			●					●	●				
	2	.094	2,39	**NR2047L**	-	-	.047	1,19	.110	2,79			●				●		●			●					●	●				
	2	.125	3,18	**NR2062L**	-	-	.063	1,59	.110	2,79		●	●			●	●	●	●			●					●	●				
	3	.062	1,58	**NR3031L**	-	-	.031	0,79	.094	2,39		●				●		●							●	●	●			●	●
	3	.094	2,39	**NR3047L**	-	-	.047	1,19	.150	3,81		●				●		●							●	●	●			●	●
	3	.125	3,18	**NR3062L**	-	-	.063	1,59	.150	3,81		●				●		●							●	●	●			●	●
	3	.156	3,96	**NR3078L**	-	-	.078	1,98	.150	3,81																●					
	3	.188	4,78	**NR3094L**	-	-	.094	2,39	.150	3,81		●	●			●	●	●	●			●			●		●	●				
	4	.125	3,18	**NR4062L**	-	-	.063	1,59	.150	3,81																●					
	4	.188	4,78	**NR4094L**	-	-	.094	2,39	.250	6,35																●					
	4	.250	6,35	**NR4125L**	-	-	.125	3,18	.250	6,35		●				●		●								●	●				
NRP				**Rechts**																												
	3	.062	1,58	**NRP3031R**	-	-	.031	0,79	.094	2,39		●				●		●			●					●	●				
	3	.094	2,39	**NRP3047R**	-	-	.047	1,19	.150	3,81		●				●		●			●					●	●				
	3	.125	3,18	**NRP3062R**	-	-	.063	1,59	.150	3,81		●				●		●			●					●	●				
	3	.156	3,96	**NRP3078R**	-	-	.078	1,98	.150	3,81											●										
	3	.188	4,78	**NRP3094R**	-	-	.094	2,39	.150	3,81		●				●		●			●						●				
	4	.125	3,18	**NRP4062R**	-	-	.063	1,59	.150	3,81											●										
	4	.188	4,78	**NRP4094R**	-	-	.094	2,39	.250	6,35											●										
	4	.250	6,35	**NRP4125R**	-	-	.125	3,18	.250	6,35											●										
				Links																												
	3	.062	1,58	**NRP3031L**	-	-	.031	0,79	.094	2,39		●				●		●			●					●	●				
	3	.094	2,39	**NRP3047L**	-	-	.047	1,19	.150	3,81		●				●		●			●					●	●				
	3	.125	3,18	**NRP3062L**	-	-	.063	1,59	.150	3,81		●				●		●			●					●	●				
	3	.156	3,96	**NRP3078L**	-	-	.078	1,98	.150	3,81											●										
	3	.188	4,78	**NRP3094L**	-	-	.094	2,39	.150	3,81		●				●		●			●						●				
	4	.125	3,18	**NRP4062L**	-	-	.063	1,59	.150	3,81											●										
	4	.188	4,78	**NRP4094L**	-	-	.094	2,39	.250	6,35											●										
	4	.250	6,35	**NRP4125L**	-	-	.125	3,18	.250	6,35											●										

HINWEIS: Rechte Ausführung abgebildet; linke Ausführung ist spiegelbildlich.

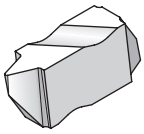
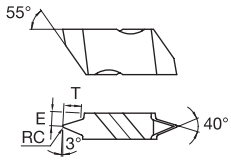
Bestellbeispiel:
Katalognummer: **NR3047RK**
Schneidstoffsorte: **KC5010**

	Wendeschneidplatten-Größe	W Zoll	W mm	Katalognummer	Abmessungen Ap max Zoll	Ap max mm	RC Zoll	RC mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	P KC9110	M KT315	M KC5010	M KC5025	K KC5010	K KC5025	K KC9110	N KC5410	N KC5025	N KD1405	N KD100	S K313	S K68	S KC5010	S KC5025	H KD081	H KD120	KENNA UNIVERSAL KU10T	KU30T
NRD				**Rechts**																												
	3	.062	1,58	**NRD3031R**	-	-	.031	0,79	.125	3,18	●	●	●		●	●	●	●	●			●				●	●	●				
	3	.125	3,18	**NRD3062R***	-	-	.063	1,59	.250	6,35	●	●	●		●	●	●	●	●			●				●	●	●				
	4	.125	3,18	**NRD4062R**	-	-	.063	1,59	.250	6,35	●	●	●		●	●	●	●	●			●				●	●	●				
	4	.188	4,78	**NRD4094R***	-	-	.094	2,39	.500	12,70	●	●	●		●	●	●	●	●			●				●	●	●				
	4	.250	6,35	**NRD4125R***	-	-	.125	3,18	.500	12,70	●	●	●		●	●	●	●	●			●					●	●				
				Links																												
	3	.062	1,58	**NRD3031L**	-	-	.031	0,79	.125	3,18	●	●	●		●	●	●	●	●			●				●	●	●				
	3	.125	3,18	**NRD3062L***	-	-	.063	1,59	.250	6,35	●	●	●		●	●	●	●	●			●				●	●	●				
	4	.125	3,18	**NRD4062L**	-	-	.063	1,59	.250	6,35	●	●	●		●	●	●	●	●			●				●	●	●				
	4	.188	4,78	**NRD4094L***	-	-	.094	2,39	.500	12,70	●	●	●		●	●	●	●	●			●				●	●	●				
	4	.250	6,35	**NRD4125L***	-	-	.125	3,18	.500	12,70	●	●	●		●	●	●	●	●			●					●	●				
																																

* Diese Wendeschneidplatten sind einschneidig.

NU				**Rechts**																												
	3	.094	2,39	**NU3094R**	-	-	.020	0,51	.125	3,18			●				●		●			●				●		●				
	3	.125	3,18	**NU3125R**	-	-	.047	1,19	.188	4,78			●				●		●			●						●				
	3	.156	3,96	**NU3156R**	-	-	.047	1,19	.188	4,78			●				●		●			●						●				
				Links																												
	3	.094	2,39	**NU3094L**	-	-	.020	0,51	.125	3,18			●				●		●			●				●		●				
	3	.125	3,18	**NU3125L**	-	-	.047	1,19	.188	4,78			●				●		●			●				●		●				
	3	.156	3,96	**NU3156L**	-	-	.047	1,19	.188	4,78			●				●		●			●						●				
																																

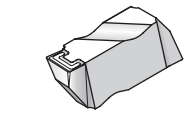
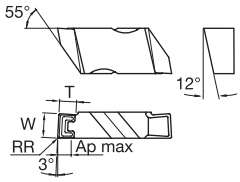
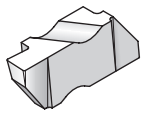
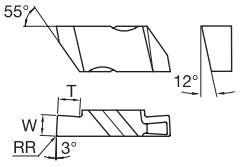
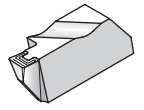
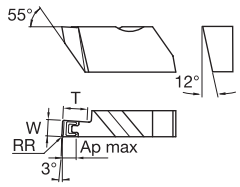
Toleranz an W:
± 0,13 mm (± .005 Zoll)

NV				**Links**																												
	3	-	-	**NV3RJ**	-	-	.013	0,32	.087	2,21			●				●		●			●				●		●				
	4	-	-	**NV4RL**	-	-	.013	0,32	.201	5,11			●				●		●			●				●		●				
				Rechts																												
	3	-	-	**NV3LJ**	-	-	.013	0,32	.087	2,21			●				●		●			●				●		●				
	4	-	-	**NV4LL**	-	-	.013	0,32	.201	5,11			●				●		●			●						●				
																																

für Größe 3: E = 3,18 mm (.125 Zoll)
für Größe 4: E = 3,00 mm (.118 Zoll)

HINWEIS: Rechte Ausführung abgebildet; linke Ausführung ist spiegelbildlich.

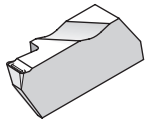
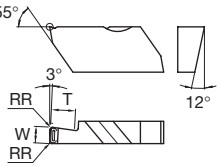
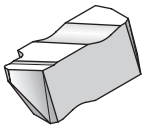
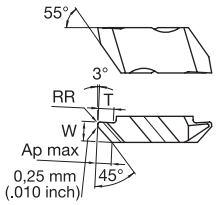
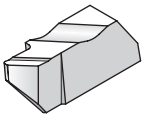
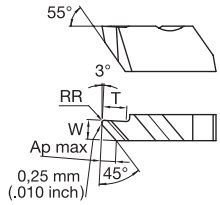
Bestellbeispiel:
Katalognummer: **NRD3031R**
Schneidstoffsorte: **KT315**

	Wendeschneidplatten-Größe	W Zoll	W mm	Katalognummer	Ap max Zoll	Ap max mm	RR Zoll	RR mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	P KC9110	M KT315	M KC5010	M KC5025	K KC5010	K KC5025	K KC9110	N KC5410	N KC5025	N KD1405	N KD100	S K313	S K68	S KC5010	S KC5025	H KD081	H KD120	KENNA UNIVERSAL KU10T	KENNA UNIVERSAL KU30T
NF-K				**Rechts**																												
	3	.125	3,18	**NF3125RK**	.040	1,02	.0075	0,19	.150	3,81			●				●		●	●		●						●				
	3	.156	3,96	**NF3156RK**	.115	2,92	.0075	0,19	.150	3,81			●				●		●	●		●						●				
				Links																												
	3	.125	3,18	**NF3125LK**	.040	1,02	.0075	0,19	.150	3,81			●				●		●	●		●						●				
	3	.156	3,96	**NF3156LK**	.115	2,92	.0075	0,19	.150	3,81			●				●		●	●		●						●				
																																
NF				**Rechts**																												
	3	.125	3,18	**NF3125R**	-	-	.0075	0,19	.150	3,81															●							
	3	.188	4,78	**NF3188R**	-	-	.0225	0,57	.150	3,81			●				●		●	●		●						●				
				Links																												
	3	.125	3,18	**NF3125L**	-	-	.0075	0,19	.150	3,81															●							
	3	.188	4,78	**NF3188L**	-	-	.0225	0,57	.150	3,81			●				●		●	●		●			●			●				
																																
NFD-K				**Rechts**																												
	3	.125	3,18	**NFD3125RK***	.040	1,02	.0075	0,19	.250	6,35			●				●		●	●		●						●				
	4	.189	4,80	**NFD4189RK***	.115	2,92	.0225	0,57	.375	9,53			●				●		●	●		●						●				
	4	.250	6,35	**NFD4250RK***	.150	3,81	.0225	0,57	.500	12,70			●				●		●	●		●						●				
				Links																												
	3	.125	3,18	**NFD3125LK***	.040	1,02	.0075	0,19	.250	6,35			●				●		●	●		●						●				
	4	.189	4,80	**NFD4189LK***	.115	2,92	.0225	0,57	.375	9,53			●				●		●	●		●						●				
	4	.250	6,35	**NFD4250LK***	.150	3,81	.0225	0,57	.500	12,70			●				●		●	●		●						●				
																																

* Diese Wendeschneidplatten sind einschneidig.

HINWEIS: Rechte Ausführung abgebildet; linke Ausführung ist spiegelbildlich.

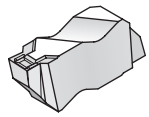
Bestellbeispiel:
Katalognummer: **NF3125RK**
Schneidstoffsorte: **KC5025**

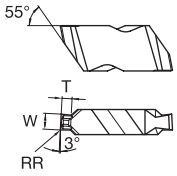
	Wendeschneidplatten-Größe	W Zoll	W mm	Katalognummer	Abmessungen Ap max Zoll	Ap max mm	RR Zoll	RR mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	P KC9110	M KT315	M KC5010	M KC5025	K KC5010	K KC5025	K KC9110	N KC5410	N KC5025	N KD1405	N KD100	S K313	S K68	S KC5010	S KC5025	H KD081	H KD120	KENNA UNIVERSAL KU10T	KU30T
NFD-KI				**Rechts**																												
	3	.125	3,18	**NFD3125RKI***	.040	1,02	.0075	0,19	.250	6,35			●				●		●			●						●				
	3	.189	4,80	**NFD3189RKI***	.115	2,92	.0225	0,57	.250	6,35			●				●		●			●						●				
				Links																												
	3	.125	3,18	**NFD3125LKI***	.040	1,02	.0075	0,19	.250	6,35			●				●		●			●						●				
	3	.189	4,80	**NFD3189LKI***	.115	2,92	.0225	0,57	.250	6,35			●				●		●			●						●				
																																
* Diese Wendeschneidplatten sind einschneidig.																																
NP-K				**Rechts**																												
	2	.145	3,68	**NP2012RK**	.108	2,74	.0135	0,34	.110	2,79			●				●		●			●						●				
	2	.145	3,68	**NP2002RK**	.108	2,74	.0035	0,09	.110	2,79		●	●			●	●	●	●			●					●	●				
	3	.190	4,83	**NP3012RK**	.151	3,83	.0135	0,34	.200	5,08			●				●		●			●						●				
	3	.190	4,83	**NP3002RK**	.151	3,83	.0035	0,09	.200	5,08		●	●			●	●	●	●			●					●	●				
																																
Toleranz an W: ± 0,13 mm (± .005 Zoll)																																
NPD-K				**Rechts**																												
	2	.145	3,68	**NPD2012RK**	.108	2,74	.0135	0,34	.200	5,08		●				●		●									●					
	2	.145	3,68	**NPD2002RK**	.108	2,74	.0035	0,09	.200	5,08		●	●			●	●	●	●			●					●	●				
	3	.190	4,83	**NPD3012RK**	.151	3,83	.0135	0,34	.250	6,35		●	●			●	●	●	●			●					●	●				
	3	.190	4,83	**NPD3002RK**	.151	3,83	.0035	0,09	.250	6,35			●				●		●			●						●				
																																
Toleranz an W: ± 0,13 mm (± .005 Zoll)																																

HINWEIS: Rechte Ausführung abgebildet; linke Ausführung ist spiegelbildlich.

Bestellbeispiel:
Katalognummer: **NFD3125RKI**
Schneidstoffsorte: **KC5025**

NGC-K





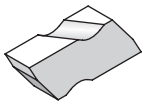
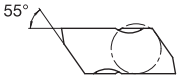
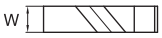
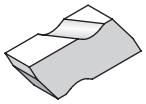
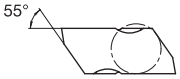
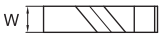
HINWEIS:
Einstechen und Fasen Wendeschneidplatten für Sicherungsringnuten gemäß DIN 471/472

Wendeschneidplatten-Größe	Sicherungsring-Größe Zoll	Sicherungsring-Größe mm	Katalognummer	Abmessungen W Zoll	W mm	RR Zoll	RR mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	P KC9110	M KT315	M KC5010	M KC5025	K KC5010	K KC5025	K KC9110	N KC5410	N KC5025	N KD1405	N KD100	S K313	S K68	S KC5010	S KC5025	H KD081	H KD120	KENNA UNIVERSAL KU10T	KU30T
			Rechts																												
2	.043	1,10	**NGC2C110R030K**	.047	1,19	.0031	0,08	.012	0,30			●				●		●			●						●				
2	.043	1,10	**NGC2C110R035K**	.047	1,19	.0031	0,08	.014	0,35			●				●		●			●						●				
2	.043	1,10	**NGC2C110R040K**	.047	1,19	.0031	0,08	.016	0,40			●				●		●			●						●				
2	.051	1,30	**NGC2C130R055K**	.055	1,39	.0031	0,08	.022	0,55			●				●		●			●						●				
2	.063	1,60	**NGC2C160R070K**	.067	1,69	.0031	0,08	.028	0,70			●				●		●			●						●				
2	.063	1,60	**NGC2C160R085K**	.067	1,69	.0031	0,08	.034	0,85			●				●		●			●						●				
2	.063	1,60	**NGC2C160R100K**	.067	1,69	.0031	0,08	.039	1,00			●				●		●			●						●				
2	.073	1,85	**NGC2C185R100K**	.067	1,69	.0031	0,08	.039	1,00			●				●		●			●						●				
2	.073	1,85	**NGC2C185R125K**	.076	1,94	.0031	0,08	.049	1,25			●				●		●			●						●				
2	.085	2,15	**NGC2C215R150K**	.088	2,24	.0031	0,08	.059	1,50			●				●		●			●						●				
2	.104	2,65	**NGC2C265R150K**	.088	2,24	.0031	0,08	.059	1,50			●				●		●			●						●				
2	.104	2,65	**NGC2C265R175K**	.108	2,74	.0031	0,08	.069	1,75			●				●		●			●						●				
2	.124	3,15	**NGC2C315R175K**	.129	3,27	.0031	0,08	.069	1,75			●				●		●			●						●				
3	.163	4,15	**NGC3C415R200K**	.169	4,30	.0031	0,08	.079	2,00			●				●		●			●						●				
3	.163	4,15	**NGC3C415R250K**	.169	4,30	.0031	0,08	.098	2,50			●				●		●			●						●				
			Links																												
2	.043	1,10	**NGC2C110L030K**	.047	1,19	.0031	0,08	.012	0,30			●				●		●			●						●				
2	.043	1,10	**NGC2C110L035K**	.047	1,19	.0031	0,08	.014	0,35			●				●		●			●						●				
2	.043	1,10	**NGC2C110L040K**	.047	1,19	.0031	0,08	.016	0,40			●				●		●			●						●				
2	.051	1,30	**NGC2C130L055K**	.055	1,39	.0031	0,08	.022	0,55			●				●		●			●						●				
2	.063	1,60	**NGC2C160L070K**	.067	1,69	.0031	0,08	.028	0,70			●				●		●			●						●				
2	.063	1,60	**NGC2C160L085K**	.067	1,69	.0031	0,08	.034	0,85			●				●		●			●						●				
2	.063	1,60	**NGC2C160L100K**	.067	1,69	.0031	0,08	.039	1,00			●				●		●			●						●				
2	.073	1,85	**NGC2C185L100K**	.067	1,69	.0031	0,08	.039	1,00			●				●		●			●						●				
2	.073	1,85	**NGC2C185L125K**	.076	1,94	.0031	0,08	.049	1,25			●				●		●			●						●				
2	.085	2,15	**NGC2C215L150K**	.088	2,24	.0031	0,08	.059	1,50			●				●		●			●						●				
2	.104	2,65	**NGC2C265L150K**	.088	2,24	.0031	0,08	.059	1,50			●				●		●			●						●				
2	.104	2,65	**NGC2C265L175K**	.108	2,74	.0031	0,08	.069	1,75			●				●		●			●						●				
2	.124	3,15	**NGC2C315L175K**	.129	3,27	.0031	0,08	.069	1,75			●				●		●			●						●				
3	.163	4,15	**NGC3C415L200K**	.169	4,30	.0031	0,08	.079	2,00			●				●		●			●						●				
3	.163	4,15	**NGC3C415L250K**	.169	4,30	.0031	0,08	.098	2,50			●				●		●			●						●				

HINWEIS: Rechte Ausführung abgebildet; linke Ausführung ist spiegelbildlich.

Bestellbeispiel:
Katalognummer: **NGC2C110R030K**
Schneidstoffsorte: **KC5025**

TOP NOTCH Einstechplatten

	Wendeschneidplatten-Größe	W Zoll	W mm	Katalognummer	K68	K313	K420
NB				**Rechts**			
	2	.150	3,81	**NB2R**	●	●	●
	3	.195	4,95	**NB3R**	●	●	●
	4	.255	6,48	**NB4R**	●	●	●
	5	.380	9,65	**NB5R**	●		●
	6	.383	9,73	**NB6R**	●		
				Links			
	2	.150	3,81	**NB2L**	●	●	●
	3	.195	4,95	**NB3L**	●	●	●
	4	.255	6,48	**NB4L**	●	●	●
	5	.380	9,65	**NB5L**	●		●
	6	.383	9,73	**NB6L**	●		
							
NBD				**Rechts**			
	2	.150	3,81	**NBD2R**		●	
	3	.195	4,95	**NBD3R**		●	
				Links			
	3	.195	4,95	**NBD3L**		●	
							

HINWEIS:
Bei NB- und NBD-Rohlingen ist eine Änderung der W-Abmessung und Endenform möglich. Die W-Abmessung steht für die größtmögliche Breite. Nur in unbeschichteten Schneidstoffsorten verfügbar.

HINWEIS: Rechte Ausführung abgebildet; linke Ausführung ist spiegelbildlich.

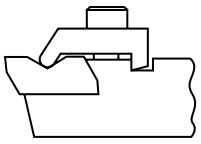
Bestellbeispiel:
Katalognummer: NB2R
Schneidstoffsorte: K68

METRISCH

ZOLL

1. Art der Klemmung	2. Befestigungs-position der WSP	3. Ausführung	4. Schneidkopf	5. Schaftgröße	6. Wendeschneid-plattengröße	7. Geeignete Oberfläche und Länge
N	S	R		2525M 16	4	D

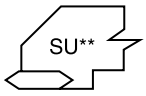
1. Art der Klemmung



N – TOP NOTCH*

2. Befestigungs-position der WSP

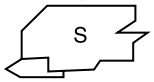
Seitlich geklemmte WSP**



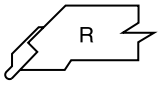
Stirnseitig geklemmte WSP



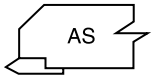
Seitlich geklemmte WSP Halter abgesetzt



Freistich

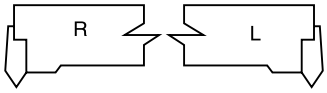


Seitlich geklemmte WSP Halter nicht abgesetzt

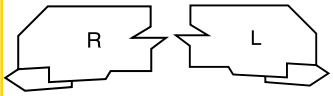


3. Ausführung

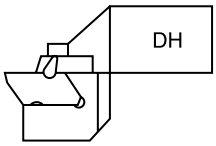
Kopfmontage



Seitenmontage



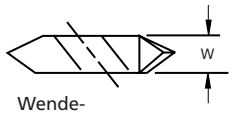
4. Schneidkopf



5. Schaftgröße

metrisch:
Schafthöhe und -breite in mm und Halterlänge gemäß ISO-Norm.
Zoll:
Diese Stelle gibt eine signifikante zweistellige Zahl an, die den Querschnitt des Klemmhalters kennzeichnet. Bei Schäften mit mindestens 5/8 Quadratzoll steht die Zahl für die Anzahl der Sechzehntel der Breite und Höhe. Bei Schäften mit unter 5/8 Quadratzoll ist der Anzahl der Sechzehntel des Querschnitts eine Null vorangestellt. Bei rechteckigen Klemmhaltern steht die erste Ziffer für die Anzahl Achtel der Breite und die zweite Ziffer für die Anzahl Achtel der Höhe, ausgenommen ein Klemmhalter mit den Abmessungen 1 1/4" x 1 1/2", der die Zahl 91 erhält.

6. Wendeschneid-plattengröße



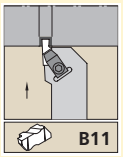
Wende-schneid-plattengröße	W	
	Zoll	mm
2	.150	3,81
3	.195	4,95
4	.255	6,98
5	.380	9,65
6	.383	9,73
8	.438	11,13

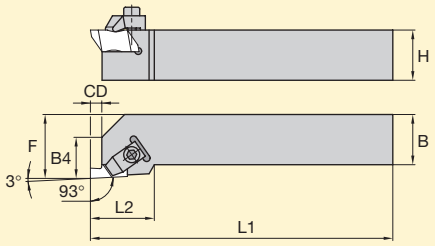
7. Geeignete Oberfläche und Länge

- A – geeignete hintere und Endfläche, 4" lang
- B – geeignete hintere und Endfläche, 4,5" lang
- C – geeignete hintere und Endfläche, 5" lang
- D – geeignete hintere und Endfläche, 6" lang
- E – geeignete hintere und Endfläche, 7" lang
- V – geeignete hintere und Endfläche, 3,5" lang*
- Q – geeigneter metrischer Halter

* Nur für Kennametal-spezifischen Standard.
**Im Halter mit Seitenmontage können nur NTU-Wendeschneidplatten verwendet werden.

NS

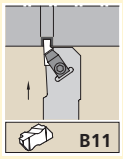


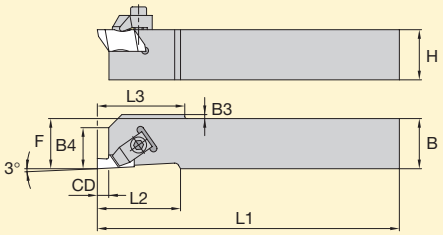


Wende-schneidplatte	Katalog-nummer	H	B	F	L1	L2	B4	CD	B3	L3	Spann-element	Schraube für Spann-element	Hex (mm) Torx Torx plus
	Rechts												
N.2R	**NSR1010E2**	10	10	14	70	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.2R	**NSR1212F2**	12	12	16	80	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.2R	**NSR1616H2**	16	16	20	100	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.2R	**NSR2020K2**	20	20	25	125	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.2R	**NSR2525M2**	25	25	32	150	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.3R	**NSR2020K3**	20	20	25	125	32	13	5,3	-	-	**CM72LP**	**MS2111**	25 IP
N.3R	**NSR2525M3**	25	25	32	150	32	13	5,3	-	-	**CM72LP**	**MS2111**	25 IP
N.3R	**NSR3225P3**	32	25	32	170	32	13	5,3	-	-	**CM72LP**	**MS2111**	25 IP
N.3R	**NSR3232P3**	32	32	40	170	32	13	5,3	-	-	**CM72LP**	**MS2111**	25 IP
N.4R	**NSR2525M4**	25	25	32	150	35	14	7,5	-	-	**CM72LP**	**MS2111**	25 IP
N.4R	**NSR3225P4**	32	25	32	170	35	14	7,5	-	-	**CM72LP**	**MS2111**	25 IP
N.4R	**NSR3232P4**	32	32	40	170	35	14	7,5	-	-	**CM72LP**	**MS2111**	25 IP
N.5R	**NSR3232P5**	32	32	40	170	51	16	10,5	-	-	**CM80**	**MS352**	6
	Links												
N.2L	**NSL1010E2**	10	10	14	70	19	9	3,5	-	-	**CM75**	**MS1200**	T10
N.2L	**NSL1212F2**	12	12	16	80	19	9	3,5	-	-	**CM75**	**MS1200**	T10
N.2L	**NSL1616H2**	16	16	20	100	19	9	3,5	-	-	**CM75**	**MS1200**	T10
N.2L	**NSL2020K2**	20	20	25	125	19	9	3,5	-	-	**CM75**	**MS1200**	T10
N.2L	**NSL2525M2**	25	25	32	150	19	9	3,5	-	-	**CM75**	**MS1200**	T10
N.3L	**NSL2020K3**	20	20	32	125	32	13	5,3	-	-	**CM73LP**	**MS2111**	25 IP
N.3L	**NSL2525M3**	25	25	32	150	32	13	5,3	-	-	**CM73LP**	**MS2111**	25 IP
N.3L	**NSL3225P3**	32	25	32	170	32	13	5,3	-	-	**CM73LP**	**MS2111**	25 IP
N.3L	**NSL3232P3**	32	32	40	170	32	13	5,3	-	-	**CM73LP**	**MS2111**	25 IP
N.4L	**NSL2525M4**	25	25	32	150	35	14	7,5	-	-	**CM73LP**	**MS2111**	25 IP
N.4L	**NSL3225P4**	32	25	32	170	35	14	7,5	-	-	**CM73LP**	**MS2111**	25 IP
N.4L	**NSL3232P4**	32	32	40	170	35	14	7,5	-	-	**CM73LP**	**MS2111**	25 IP
N.5L	**NSL3232P5**	32	32	40	170	51	16	10,5	-	-	**CM81**	**MS352**	6

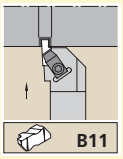
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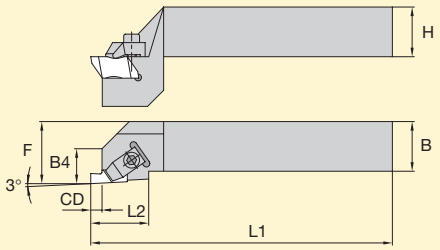
NAS





NS-DH

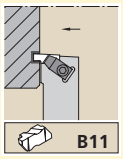


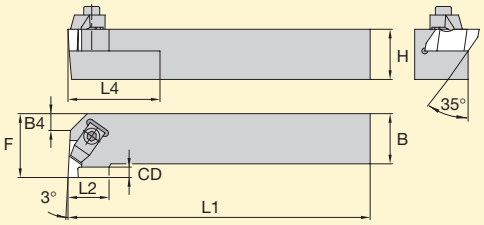


Wende-schneidplatte	Katalog-nummer	H	B	F	L1	L2	B4	CD	B3	L3	Spann-element	Schraube für Spann-element	Torx Torx plus
	Rechts												
N.2R	**NASR1010M2Q**	10	10	10	150	19	9	3,5	2,03	19	**CM182**	**MS1200**	T10
N.2R	**NASR1212M2Q**	12	12	12	150	19	9	3,5	-	-	**CM182**	**MS1200**	T10
N.3R	**NASR1616K3Q**	16	16	16	125	32	12	5,3	-	-	**CM184LP**	**MS2111**	25 IP
	Links												
N.2L	**NASL1010M2Q**	10	10	10	150	19	9	3,5	2,03	19	**CM183**	**MS1200**	T10
N.2L	**NASL1212M2Q**	12	12	12	150	19	9	3,5	-	-	**CM183**	**MS1200**	T10
N.3L	**NASL1616K3Q**	16	16	16	125	32	12	5,3	-	-	**CM185LP**	**MS2111**	25 IP
	Rechts												
N.2R	**NSRDH2020K2**	20	20	25	125	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.2R	**NSRDH2525M2**	25	25	32	150	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.3R	**NSRDH2525M3**	25	25	32	150	32	13	5,3	-	-	**CM72LP**	**MS2111**	25 IP
N.3R	**NSRDH3232P3**	32	32	40	170	32	13	5,3	-	-	**CM72LP**	**MS2111**	25 IP

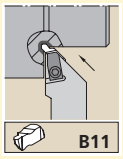
Bestellbeispiel:
NASR1010M2Q

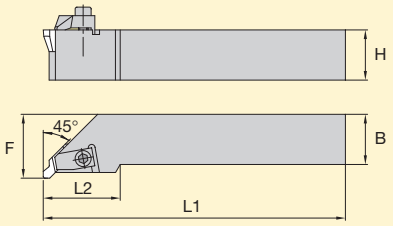
NE





NR





Wende-schneidplatte	Katalog-nummer	H	B	F	L1	L2	B4	CD	B3	L4	Spann-element	Schraube für Spann-element	Hex (mm) Torx Torx plus
	Rechts												
N.2R	**NSR1010E2**	10	10	14	70	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.2L	**NER2020K2**	20	20	25	125	15	-	3,5	-	25,4	**CM75**	**MS1200**	T10
N.2L	**NER2525M2**	25	25	32	150	15	-	3,5	-	25,4	**CM75**	**MS1200**	T10
N.3L	**NER2525M3**	25	25	32	150	22	-	5,3	-	50,8	**CM73LP**	**MS2111**	25 IP
N.3L	**NER3225P3**	32	25	32	170	22	-	5,3	-	50,8	**CM73LP**	**MS2111**	25 IP
N.4L	**NER2525M4**	25	25	35	150	24	-	7,5	-	50,8	**CM73LP**	**MS2111**	25 IP
N.4L	**NER3225P4**	32	25	35	170	24	-	7,5	-	50,8	**CM73LP**	**MS2111**	25 IP
N.4L	**NER3232P4**	32	32	40	170	24	-	7,5	-	50,8	**CM73LP**	**MS2111**	25 IP
N.5L	**NER3232P5**	32	32	50	170	35	-	10,5	-	50,8	**CM81**	**MS352**	6
	Links												
N.2R	**NEL1616H2**	16	16	20	100	15	-	3,5	-	25,4	**CM74**	**MS1200**	T10
N.2R	**NEL2020K2**	20	20	25	125	15	-	3,5	-	25,4	**CM74**	**MS1200**	T10
N.2R	**NEL2525M2**	25	25	32	150	15	-	3,5	-	25,4	**CM74**	**MS1200**	T10
N.3R	**NEL2525M3**	25	25	32	150	22	-	5,3	-	50,8	**CM72LP**	**MS2111**	25 IP
N.3R	**NEL3225P3**	32	25	32	170	22	-	5,3	-	50,8	**CM72LP**	**MS2111**	25 IP
N.4R	**NEL2525M4**	25	25	35	150	24	-	7,5	-	50,8	**CM72LP**	**MS2111**	25 IP
N.4R	**NEL3225P4**	32	25	35	170	24	-	7,5	-	50,8	**CM72LP**	**MS2111**	25 IP
N.4R	**NEL3232P4**	32	32	40	170	24	-	7,5	-	50,8	**CM72LP**	**MS2111**	25 IP
N.5R	**NEL3232P5**	32	32	50	170	35	-	10,5	-	50,8	**CM80**	**MS352**	6
	Rechts												
NU3125L	**NRR2020K3**	20	20	25	125	32	-	-	-	-	**CM73LP**	**MS2111**	25 IP
NU3125L	**NRR2525M3**	25	25	32	150	32	-	-	-	-	**CM73LP**	**MS2111**	25 IP
NU3125L	**NRR3225P3**	32	25	32	170	32	-	-	-	-	**CM73LP**	**MS2111**	25 IP
Links													
NU3125R	**NRL2020K3**	20	20	25	125	32	-	-	-	-	**CM72LP**	**MS2111**	25 IP
NU3125R	**NRL2525M3**	25	25	32	150	32	-	-	-	-	**CM72LP**	**MS2111**	25 IP
NU3125R	**NRL3225P3**	32	25	32	170	32	-	-	-	-	**CM72LP**	**MS2111**	25 IP

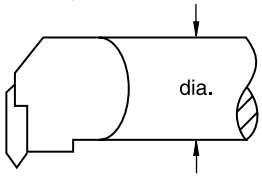
Bestellbeispiel:
NER1616H2

Kennzeichnungssystem für TOP NOTCH Einstechdrehen – Bohrstangen

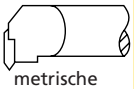
1. Konstruktionsmerkmale der Bohrstange	2. Bohrstangendurchmesser	3. Bohrstangenlänge	4. Befestigungsart der Schneidplatte	5. Form der Schneidplatte	6. Befestigungsposition der WSP	7. Lage der Schneidplatte	8. Ausführung	9. Größe der Schneidplatte
A	25	R	N	N	T	O	R	2

2. Bohrstangendurchmesser

Bohrstangendurchmesser (mm)

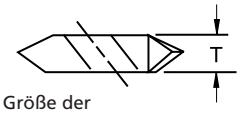


3. Bohrstangenlänge



metrische Bohrstangen
M = 150 mm
Q = 180 mm
R = 200 mm
S = 250 mm
T = 300 mm
U = 350 mm

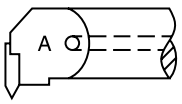
9. Größe der Schneidplatte



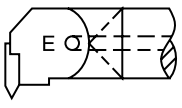
Größe der Schneidplatte	T (mm)	T
1	3,54	.100
2	3,81	.150
3	5,35	.195
4	6,40	.255
5	9,65	.380
6	9,73	.383
8	11,13	.438

1. Konstruktionsmerkmale der Bohrstange

Stahlschaft mit innerer Kühlmittelzufuhr



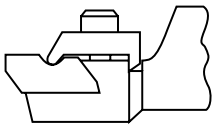
Hartmetallschaft mit innerer Kühlmittelzufuhr



Auswechselbarer Bohrkopf

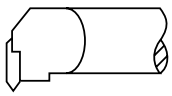


4. Befestigungsart der Schneidplatte

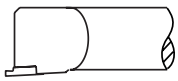


N* – TOP NOTCH

6. Befestigungsposition der WSP

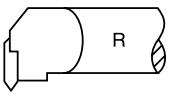


stirnseitig geklemmte WSP

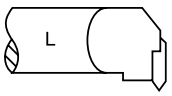


seitlich geklemmte WSP

8. Ausführung



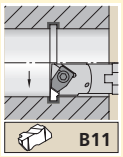
rechts



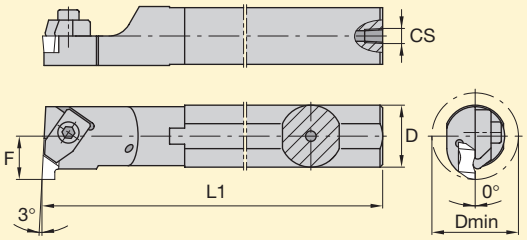
links

*Nur Kennametal-Standard.

A-NNT



Stahlschaft mit Innenkühlung

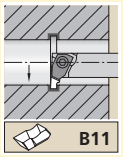


Wende-schneid-platte	Katalognummer	Dmin*	D	L1	F	A	CS	Spann-element	Schraube für Spann-element	Hex (mm) Torx plus
	Rechts									
N.2L	**A12MNNTOR2**	18,5	12	150	11	-	1/16-27 NPT	**CM147**	**MS1025**	2,5
N.2L	**A16MNNTOR2**	22	16	150	11	-	1/8-27 NPT	**CM75**	**MS1025**	2,5
N.2L	**A20QNNTOR2**	26	20	180	13	-	1/8-27 NPT	**CM75**	**MS1025**	2,5
N.2L	**A25RNNTOR2**	34	25	200	17	-	1/4-18 NPT	**CM75**	**MS1025**	2,5
N.3L	**A25RNNTOR3**	34	25	200	17	-	1/4-18 NPT	**CM73LP**	**MS2111**	25 IP
N.3L	**A32SNNTOR3**	44	32	250	22	-	1/4-18 NPT	**CM73LP**	**MS2111**	25 IP
N.3L	**A40TNNTOR3**	54	40	300	27	-	1/4-18 NPT	**CM73LP**	**MS2111**	25 IP
N.4L	**A40TNNTOR4**	54	40	300	27	-	1/4-18 NPT	**CM73LP**	**MS2111**	25 IP
N.4L	**A50UNNTOR4**	70	50	350	35	-	1/4-18 NPT	**CM73LP**	**MS2111**	25 IP
	Links									
N.2R	**A12MNNTOL2**	18,5	12	150	11	-	1/16-27 NPT	**CM146**	**MS1025**	2,5
N.2R	**A16MNNTOL2**	22	16	150	11	-	1/8-27 NPT	**CM74**	**MS1025**	2,5
N.2R	**A20QNNTOL2**	26	20	180	13	-	1/8-27 NPT	**CM74**	**MS1025**	2,5
N.2R	**A25RNNTOL2**	34	25	200	17	-	1/4-18 NPT	**CM74**	**MS1025**	2,5
N.3R	**A25RNNTOL3**	34	25	200	17	-	1/4-18 NPT	**CM72LP**	**MS2111**	25 IP
N.3R	**A32SNNTOL3**	44	32	250	22	-	1/4-18 NPT	**CM72LP**	**MS2111**	25 IP
N.3R	**A40TNNTOL3**	54	40	300	27	-	1/4-18 NPT	**CM72LP**	**MS2111**	25 IP
N.4R	**A40TNNTOL4**	54	40	300	27	-	1/4-18 NPT	**CM72LP**	**MS2111**	25 IP
N.4R	**A50UNNTOL4**	70	50	350	35	-	1/4-18 NPT	**CM72LP**	**MS2111**	25 IP

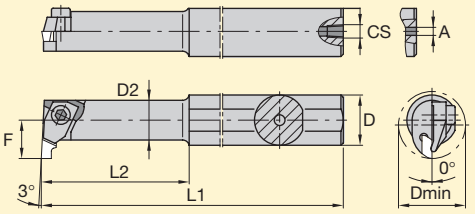
*Der minimale Bohrungsdurchmesser hängt von der Einstechtiefe ab. Siehe Seite B31.

Bestellbeispiel:
A12MNNTOR2

A-NNT -1

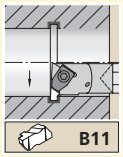


Abgesetzter Stahlschaft
mit Innenkühlung

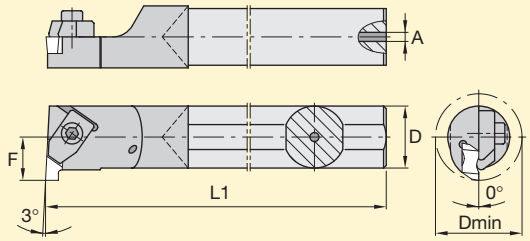


Wende-schneid-platte	Katalognummer	Dmin*	D	D2	L1	L2	F	A	CS	Spann-element	Schraube für Spann-element	Hex (mm)
N.1L	**A10KNNTOR1**	11,5	10	8,7	125	31,75	7	3,2	-	**CM109**	**MS1034**	1,5
N.1L	**A12MNNTOR1**	11,5	12	8,7	150	31,75	7	-	1/16-27 NPT	**CM109**	**MS1034**	1,5

E-NNT



Hartmetallschaft mit
Innenkühlung

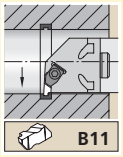


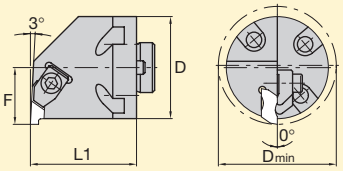
Wende-schneid-platte	Katalognummer	Dmin*	D	L1	F	A	CS	Spann-element	Schraube für Spann-element	Torx Torx plus
	Rechts									
N.2L	**E16RNNTOR2**	22	16	200	11	5,5	-	**CM75**	**MS1200**	T10
N.2L	**E20SNNTOR2**	26	20	250	13	7,1	-	**CM75**	**MS1200**	T10
N.3L	**E25TNNTOR3**	34	25	300	17	7,9	-	**CM73LP**	**MS2111**	25 IP
	Links									
N.2R	**E16RNNTOL2**	22	16	200	11	5,5	-	**CM74**	**MS1200**	T10
N.2R	**E20SNNTOL2**	26	20	250	13	7,1	-	**CM74**	**MS1200**	T10
N.3R	**E25TNNTOL3**	34	25	300	17	7,9	-	**CM72LP**	**MS2111**	25 IP

*Der minimale Bohrungsdurchmesser hängt von der Einstechtiefe ab. Siehe Seite B31.

Bestellbeispiel:
A10KNNTOR1

H-NNT



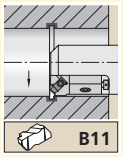


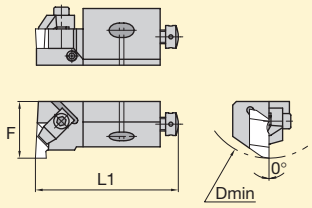
Mit Innenkühlung

Wende-schneid-platte	Katalognummer	D	D min*	F	L1				Spann-element	Schraube für Spann-element	Torx plus
	Rechts										
N.3L	**H32NNTOR3**	44,0	32	22	41,3	-	-	-	**CM73LP**	**MS2111**	25 IP
N.3L	**H40NNTOR3**	54,0	40	27	41,3	-	-	-	**CM73LP**	**MS2111**	25 IP
N.4L	**H60NNTOR4**	73,2	60	43	41,3	-	-	-	**CM73LP**	**MS2111**	25 IP
	Links										
N.3R	**H32NNTOL3**	44,0	32	22	41,3	-	-	-	**CM72LP**	**MS2111**	25 IP
N.3R	**H40NNTOL3**	54,0	40	27	41,3	-	-	-	**CM72LP**	**MS2111**	25 IP
N.4R	**H60NNTOL4**	73,2	60	43	41,3	-	-	-	**CM72LP**	**MS2111**	25 IP

HINWEIS: Für Bohrstangen-Aufnahmen siehe Seite A234-A235.

NE





Wende-schneid-platte	Katalognummer	Dmin*	F	L1	Spann-element	Schraube für Spann-element	Hex (Zoll/ mm)	Radiale Verst.-Schraube	Hex (Zoll/ mm)	Axiale Verst.-Schraube	Schaft-klemm-schraube	Hex (Zoll/ mm)
	Rechts											
N.2L	**NER12CA2C**	50,0	20,0	55	**CM75**	**CS1025**	3/32	**KUAC23**	3/32	**KUAM31**	**S624**	3/16
N.2L	**NER20CA2A**	70,0	25,0	70	**CM75**	**MS1025**	2,5	**KUAM25**	2,5	**KUAM33**	**MS353**	6
N.3L	**NER25CA3C**	100,0	32,0	100	**CM73**	**CS412**	9/64	**KUAC27**	9/64	**KUAM33**	**S364**	5/16
N.4L	**NER25CA4C**	100,0	32,0	100	**CM73C**	**CS412**	9/64	**KUAC27**	9/64	**KUAM33**	**S364**	5/16
	Links											
N.2R	**NEL12CA2C**	50,0	20,0	55	**CM74**	**CS1025**	3/32	**KUAC23**	3/32	**KUAM31**	**S624**	3/16
N.2R	**NEL20CA2C**	70,0	25,0	70	**CM74**	**CS1025**	3/32	**KUAC25**	3/32	**KUAM33**	**S634**	1/4
N.3R	**NEL25CA3C**	100,0	32,0	100	**CM72**	**CS412**	9/64	**KUAC27**	9/64	**KUAM33**	**S364**	5/16
N.4L	**NEL25CA3C**	100,0	32,0	100	**CM72**	**CS412**	9/64	**KUAC27**	9/64	**KUAM33**	**S364**	5/16

*Der minimale Bohrungsdurchmesser hängt von der Einstechtiefe ab. Siehe Seite B31.

Bestellbeispiel :
H32NNTOR3

Bearbeitungsrichtlinien für die Spankontrolle – Einstechdrehen

- Die Spitzenhöhe der Wendeschneidplatte sollte an der Mitte des Werkstücks, oder bis zu 0,13 mm (.005 Zoll) darüber, positioniert werden.
- Eine Verweilzeit sollte drei Umdrehungen nicht überschreiten.
- Die Spankontrolle hängt vom Vorschub ab und sollte an die jeweilige Situation angepasst werden. Der empfohlene Vorschubbereich beträgt 0,08-0,3 mm/rev (.003-0.012 ipr).

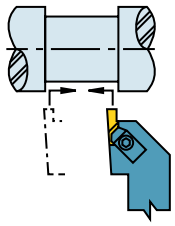
Bearbeitungsrichtlinien für die Spankontrolle – Drehen/Profildrehen

- Die maximale Schnitttiefe bei Radialschnitten (Drehen/Profildrehen) hängt vom zu bearbeitenden Werkstoff und der Werkzeugbreite ab. Als allgemeine Richtlinien gelten:

1) Eine Wendeschneidplatte mit einer Breite von 0,79-1,6 mm (.031 - .062 Zoll) ermöglicht eine Schnitttiefe von bis zu 0,6 mm (.025 Zoll).
2) Eine Wendeschneidplatte mit einer Breite von1,7-3,3 mm (.067 - .128 Zoll) ermöglicht eine Schnitttiefe von bis zu 1,0 mm (.040 Zoll).
3) Eine Wendeschneidplatte mit einer Breite von 3,5-4,8 mm (.138 - .189 Zoll) ermöglicht eine Schnitttiefe von bis zu 2,0 mm (.080 Zoll).
4) Eine Wendeschneidplatte mit einer Breite von 5,0-9,5 mm (.197-.375 Zoll) ermöglicht eine Schnitttiefe von bis zu 3,0 mm (.120 Zoll).

Schlichten der Nut

1. Stechen Sie beide Seiten der Nut aus.
2. Stechen Sie in den mittleren Bereich ein, um den verbliebenen Steg zu entfernen.
3. Um Ausbrüche an der Wendeschneidplatte zu vermeiden und genau senkrechte Einstichwände zu erhalten, folgen Sie dem hier gezeigten Werkzeugweg.
4. Wählen Sie die geringstmögliche Schnitttiefe, die noch guten Spanbruch sowie gute Werkzeugstandzeit und Oberflächenqualität erzielt.

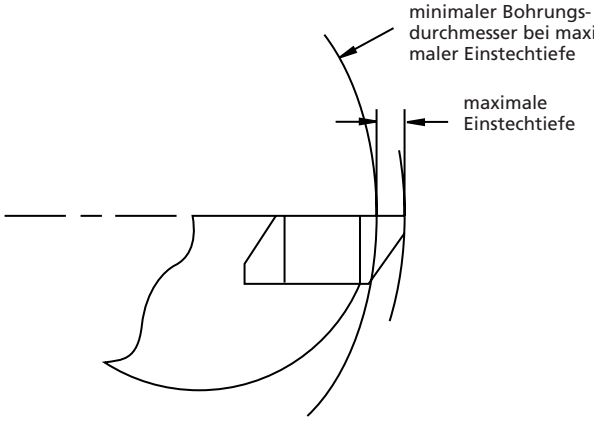


Einstechgrenzwerte (maximale Tiefe des Inneneinstichs in Abhängigkeit vom minimalen Bohrungsdurchmesser)

Wendeschneidplatte	maximale Einstechtiefe		minimaler Bohrungsdurchmesser	
	Zoll	mm	Zoll	mm
NG-1094L	.075	1,91	.800	20,32
	.040	1,02	.440	11,18
NG-2031R/L NG-2041R/L NG-2047R/L NG-2058R/L	.050	1,27	.730	18,54
	.110	2,79	2.500	63,5
NG-2062R/L	.102	2,59	1.750	44,45
NG-2094R/L	.098	2,49	1.500	38,10
NG-2125R/L	.080	2,03	1.000	25,40
	.055	1,40	.730	18,54
NG-3047R/L NG-3062R/L NG-3072R/L NG-3078R/L NG-3088R/L	.094 .090 .075	2,39 2,29 1,91	1.750 1.625 1.375	44,45 41,28 34,93
NG-3094R/L NG-3097R/L NG-3105R/L NG-3110R/L NG-3122R/L NG-3125R/L NG-3142R/L NG-3156R/L NG-3178R/L NG-3185R/L NG-3189R/L	.150 .145 .138 .125 .110	3,81 3,68 3,51 3,18 2,79	2.375 2.125 1.875 1.625 1.375	60,33 53,98 47,63 41,28 34,93
NG-4125R/L	.150	3,81	2.750	69,85
	.250	6,35	5.750	146,05
NG-4189R/L	.245	6,22	5.000	127,00
NG-4213R/L	.240	6,10	4.500	114,30
NG-4219R/L	.218	5,54	3.250	82,55
NG-4250R/L	.200	5,08	2.500	63,50

Wendeschneidplatte	maximale Einstechtiefe		minimaler Bohrungsdurchmesser	
	Zoll	mm	Zoll	mm
	.375	9,53	28.812	731,82
NG-5250R/L	.361	9,17	15.812	401,62
NG-5281R/L	.344	8,74	10.812	274,62
NG-5312R/L	.327	8,31	7.312	185,72
NG-5344R/L	.294	7,47	4.812	122,22
NG-5375R/L	.257	6,53	3.562	90,47
	.215	5,46	2.812	71,42
NG-6250R/L	.250	6,35	5.750	146,05
NG-6281R/L	.245	6,22	5.000	127,00
NG-6312R/L	.240	6,10	4.500	114,30
NG-6344R/L	.218	5,54	3.250	82,55
NG-6375R/L	.200	5,08	2.500	63,50

Tiefe des Inneneinstichs in Abhängigkeit vom Bohrungsdurchmesser



HINWEIS: Die maximale Einstechtiefe ist abhängig vom Freiwinkel an der verwendeten Bohrstange und dem Bohrungsdurchmesser.

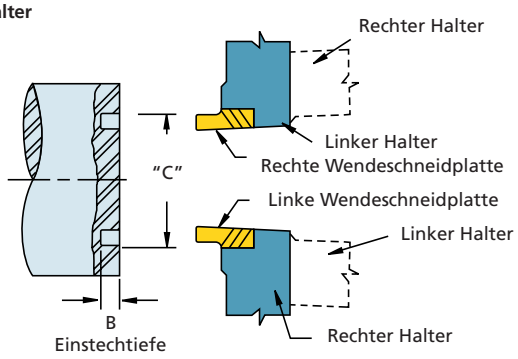
*Dieselben Werte für die maximale Einstechtiefe und den minimalen Bohrungsdurchmesser gelten auch für metrische, NG-K- (Spankontrolle) und NR-Wendeschneidplatten (Vollradius) gleicher Größe.

Außenbearbeitung
Bearbeitungsrichtlinien für Axial-Einstechdrehoperationen

NF/NFD-Standardplatten

Wendeschneidplatten-Familie	maximale Einstechtiefe "B"		minimaler Einstechdurchmesser "C"	
	Zoll	mm	Zoll	mm
NF-3	.060	1,52	.94	23,9
NF-3	.094	2,39	1.20	30,5
NF-3	.125	3,18	1.42	36,1
NF-3	.150	3,81	1.63	41,3
NFD-3	.250	6,35	1.88	47,6
NF-4/6	.060	1,52	.94	23,9
NF-4/6	.094	2,39	1.20	30,5
NF-4/6	.125	3,18	1.42	36,1
NF-4/6	.150	3,81	1.63	41,3
NF-4/6	.188	4,78	1.88	47,6
NF-4/6	.250	6,35	2.25	57,2
NFD-4	.375	9,53	2.25	57,2
NFD-4	.500	12,70	2.25	57,2

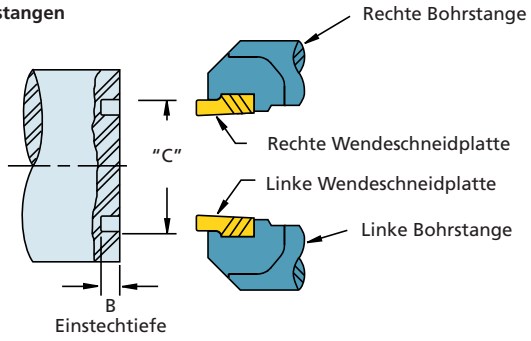
Klemmhalter



NG/NGD-Standardplatten

Wendeschneidplatten-Familie	maximale Einstechtiefe "B"		minimaler Einstechdurchmesser "C"	
	Zoll	mm	Zoll	mm
NG-2	.050	1,27	2.13	54,0
NG-2	.110	2,79	3.50	88,9
NG-3	.094	2,39	4.00	101,6
NG-3	.125	3,18	5.00	127,0
NG-3	.150	3,81	5.50	139,7
NGD-3	.250	6,35	6.88	174,6
NG-4	.150	3,81	6.00	152,4
NG-4	.250	6,35	8.25	209,6
NGD-4	.375	9,53	8.75	222,3
NGD-4	.500	12,70	8.75	222,3
NG-5	.375	9,53	13.00	330,2

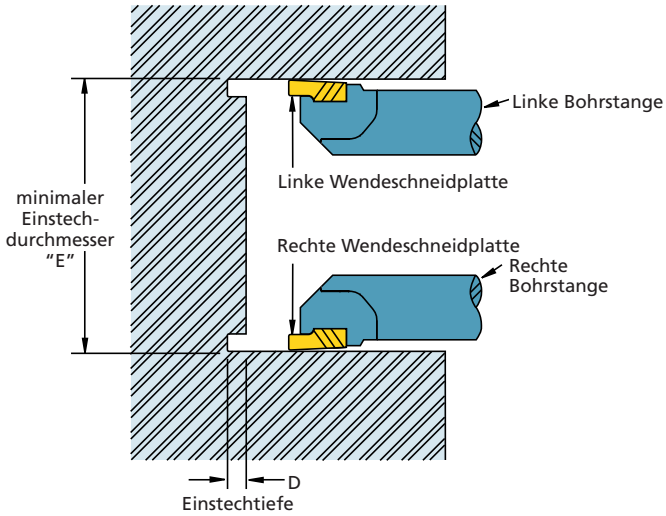
Bohrstangen



Innenbearbeitung
Bearbeitungsrichtlinien für Axial-Einstechdrehoperationen

Wendeschneidplatten-Familie	maximale Einstechtiefe "D"		minimaler Einstechdurchmesser "E"	
	Zoll	mm	Zoll	mm
NFD-3-KI	.250	6,35	2.25	57,2

Bohrstangen

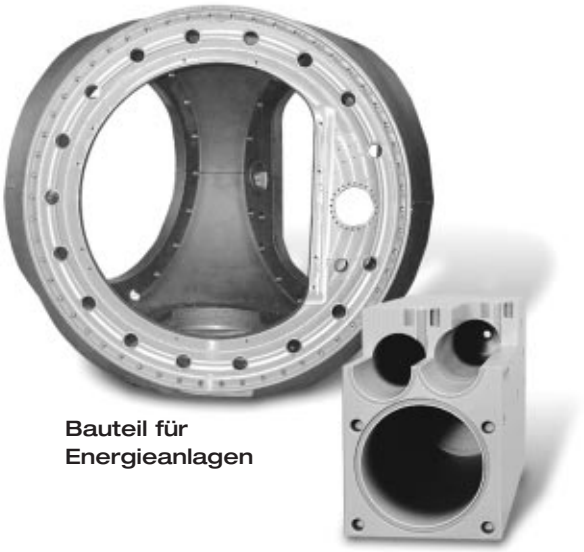


HINWEIS: Bei Innenanwendungen nur NFD-KI-Wendeschneidplatten verwenden.

Engineering Your Competitive Edge

FÜR DEN ALLGEMEINEN MASCHINENBAU





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Medizinisches Bauteil

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A4 Stechdrehen ...

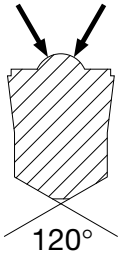


... eine präzise und produktive Lösung zur Produktivitätssteigerung!

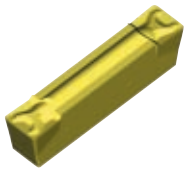
A4 Stechdrehsystem

- Ein Werkzeug zum Drehen, Plandrehen, Einstechen, Axialeinstechen und Abstechen... für Innen- und Außenanwendungen – extrem schnelle Taktzeiten, kein zusätzlicher Werkzeugwechsel!
- Extralange Spannfläche, geschliffener 120°-Prismensitz und eine sichelförmige Spannrippe an der Deckfläche bieten eine unübertroffene Stabilität beim Stechdrehen und Einstechen!
- Garantiert präzise Positionierung der Wendeschneidplatte – für höchste Maßhaltigkeit am Bauteil!

Sichelförmige Spannrippe

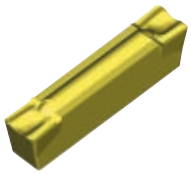


Spanformstufe – GMN

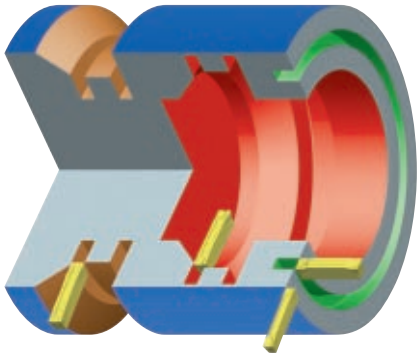




Spanformstufe – GMP







Mit dem A4-System steigern Sie Ihre Produktivität:

- Bewältigung mehrerer Anwendungen
- Reduzierung der Werkzeugkosten
- Minimierung der Bearbeitungszeit

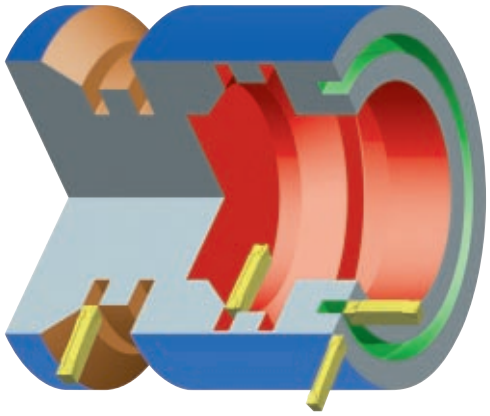
KENNA PERFECT – A4 Einstechdrehen

5 einfache Schritte zu höherer Produktivität beim Einstechdrehen

Was Sie wissen müssen:

- Einstechtiefe, -breite und -profil
- Zu bearbeitender Werkstoff
- Anwendung (Außen-, Innen-, Axialeinstechen oder Drehen)

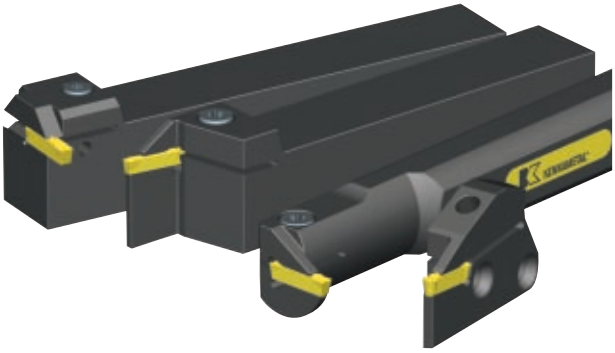
1. Schritt – Wählen Sie die A4-Größe für Ihre Einstech- und Drehanwendung



Allgemeine Empfehlung zur Wahl der Wendeschneidplatten-Größe

für Werkstück-durchmesser...	Wendeschneidplatten-größe
bis zu 25 mm	3
von 25 mm bis 50 mm	4
>50 mm	5 - 10

2. Schritt – Wählen Sie den Klemmhalter entsprechend der Anwendung aus



Hinweis: Die Wendeschneidplattengröße muss mit der Plattensitzgröße des Klemmhalters übereinstimmen.

	Konventionelle Klemmhalter	Modulare Stecheinsätze
Außen- Einstechen und Drehen	B47	B51
Axial- Einstechdrehen	B48	B52
Innen- Einstechen und Drehen	B49	–

3. Schritt – Wahl der Spanformstufe und des Vorschubs

Wählen Sie die Spanformstufe anhand des Werkstofftyps aus.

Stahl	Nicht rostender Stahl	Gusseisen	NE-Metalle	Schwer zerspanbare Werkstoffe	Harte Werkstoffe
GMN	GMP	GMN	GMP präzisionsgeschliffen (-E für KD1405)	GMP präzisionsgeschliffen	GMN *

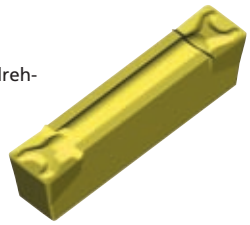
*Alternative Wendeschneidplatten mit PCBN-Tip in KB5625 sind auf Anfrage erhältlich.

HINWEIS: Präzisionsgeschliffene A4.-P-GMN-Wendeschneidplatten können bei allen Werkstoffgruppen zum Einstechen in Zollbreiten verwendet werden.

Empfehlungen für Schnitttiefe und Vorschub bei quadratischen Wendescheidplatten (A4G...):

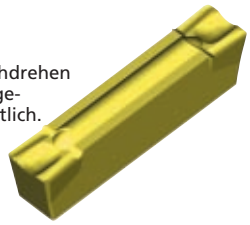
GMN-Spanformstufe

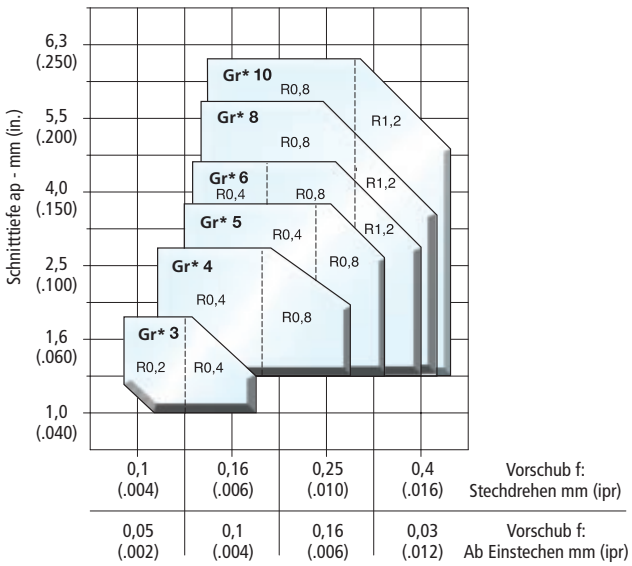
- Am Umfang abgepresste Stechdreh- und Wendeschneidplatten
- Stabile Schneidkante
- In metrischen Breiten und Zollbreiten erhältlich

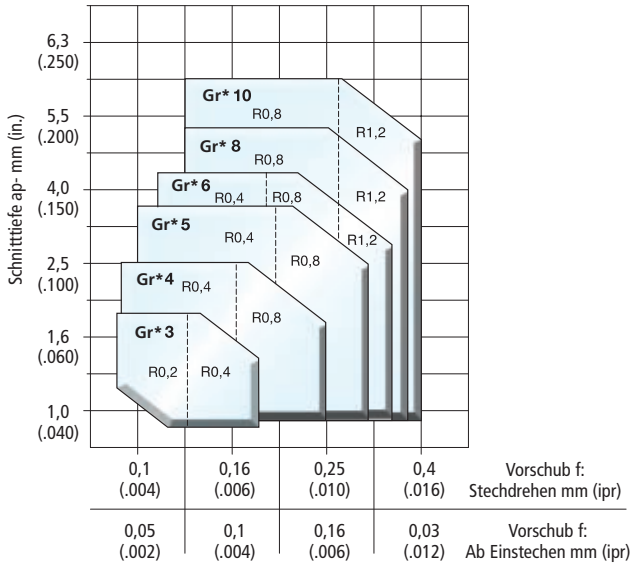


GMP-Spanformstufe

- Wendeschneidplatten zum Stechdrehen
- In abgepressten und präzisionsgeschliffenen Ausführungen erhältlich.
- Positiver Spanwinkel
- Nur in metrischen Breiten erhältlich







*Wendeschneidplattengröße

HINWEIS: Wählen Sie den Vorschub anhand des Schneideneckenradius. Legende: R0,2 - R = Eckenradius; 0,2 = 0,2 mm Radius; siehe Seite B40 für weitere Informationen

Empfehlungen für Schnitttiefe und Vorschub bei Vollradius-Wendescheidplatten (A4R...):

GMN-Spanformstufe



Bei Dreh- und Profildrehoperationen entspricht die maximale Schnitttiefe der Hälfte der Stechbreite.

Der maximale Vorschub bei Dreh- und Profildrehoperationen hängt vom zu bearbeitenden Werkstoff sowie der Schnitttiefe ab. Bei leicht zerspanbaren Werkstoffen kann der Vorschub bis zu 1,5 mal erhöht werden.

GMP-Spanformstufe



KENNA PERFECT – A4 Einstechdrehen

5 einfache Schritte zu höherer Produktivität beim Einstechdrehen

4. Schritt – Wahl des Schneidstoffes und der Geschwindigkeit

Empfohlene KENNA PERFECT Schneidstoffe

Schnittbedingungen	Stahl	Nicht rostender Stahl	Gusseisen	NE-Metalle	Schwer zerspanbare Werkstoffe	Harte Werkstoffe
stark unterbrochener Schnitt	KC5025	KC5025	KC9125	KC5025	KC5025	–
leicht unterbrochener Schnitt	KC9125/KC5025	KC5025	KC9125	KC5025	KC5025	–
schwankende Schnitttiefe, Guss- oder Schmiedehaut	KC9110	KC5010	KC9110	KC5010/KD1405	K313/KC5010	KC5010*
glatter Schnitt, vorbearbeitete Oberfläche	KT315**/KC9110	KT315**	KC9110	KC5010/KD1405	K313/KC5010	KC5010*

*HINWEIS: Wendeschneidplatten mit PCBN-Tip in KB5625 sind auf Anfrage erhältlich

Empfohlene KENNA UNIVERSAL Schneidstoffe

Schnittbedingungen	Schneidstoffe
stark unterbrochener Schnitt	KU30T
leicht unterbrochener Schnitt	KU30T
schwankende Schnitttiefe, Guss- oder Schmiedehaut	KU30T
glatter Schnitt, vorbearbeitete Oberfläche	KU30T

Empfohlene KENNA PERFECT Schnittgeschwindigkeiten

Stahl

KENNA PERFECT Werkstoffgruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 60 (200)	120 (400)	185 (600)	245 (800)	300 (1000)	Ausgangsbedingungen m/min	sfm
P	KC5025		◁▷				120	400
	KC9125			◁▷			200	650
	KC9110				◁▷		250	800
	KT315**				◁▷		260	850

**HINWEIS: KT315 kann bei Stahl als Alternative verwendet werden; hauptsächlich in der GMP-Spanformstufe erhältlich.

Nicht rostender Stahl

KENNA PERFECT Werkstoffgruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 45 (150)	90 (300)	140 (450)	185 (600)	230 (750)	Ausgangsbedingungen m/min	sfm
M	KC5025		◁▷				105	350
	KC5010			◁▷			135	450
	KT315			◁▷			170	550

Gusseisen

KENNA PERFECT Werkstoffgruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 120 (400)	170 (550)	215 (700)	260 (850)	300 (1000)	Ausgangsbedingungen m/min	sfm
K	KC9125				◁▷		200	650
	KC9110			◁▷			245	800

NE-Metalle

KENNA PERFECT Werkstoffgruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 150 (500)	300 (1000)	460 (1500)	610 (2000)	760 (2500)	Ausgangsbedingungen m/min	sfm
N	KC5025		◁▷				365	1200
	KC5010			◁▷			455	1500
	KD1405***				◁▷		610	2000

***Empfohlen für Aluminiumlegierungen mit hohem Siliziumgehalt und abrasive Nichtmetalle.

Schwer zerspanbare Werkstoffe

KENNA PERFECT Werkstoffgruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 15 (60) / 35 (120) / 55 (180) / 75 (240) / 90 (300) / 140 (450)	Ausgangsbedingungen m/min	sfm
S	KT315		30	100
	KC5025		45	150
	KC5010		60	200

Harte Werkstoffe

KENNA PERFECT Werkstoffgruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 15 (60) / 35 (120) / 55 (180) / 75 (240)	Ausgangsbedingungen m/min	sfm
H	KC5010		30	100

KENNA UNIVERSAL

Empfohlene KENNA UNIVERSAL Schnittgeschwindigkeiten

KENNA UNIVERSAL Werkstoffgruppe	Schneidstoff	Schnittgeschwindigkeit - m/min (sfm) 45 (150) / 90 (300) / 140 (450) / 185 (600) / 230 (750)	Ausgangsbedingungen m/min	sfm
P	KU30T		120	400
K	KU30T		200	650
M	KU30T		105	350
S	KU30T		60	200

5. Schritt – Auswahl von Wendeschneidplatte und Halter auf Katalogseite

Hinweis: Die Wendeschneidplattengröße muss mit der Plattensitzgröße des gewählten Klemmhalters übereinstimmen.

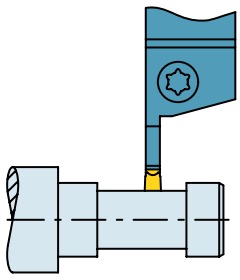
Beispiel für A4 – Einstechen und Drehen

Werkstoff: niedrig legierte Stähle
Werkstück-Außendurchmesser: 38 mm (1.5 Zoll)
Einstechtiefe: 12 mm (.5 Zoll)
Einstechbreite: 22 mm (.850 Zoll)
leicht unterbrochener Schnitt

Empfehlung:

Wendeschneidplatte: A4G0405M04U08GMN
Schneidstoff: KC9125
Wendeschneidplattenbreite: 4,05 mm
Wendeschneidplatten-Sitzgröße: 4

Klemmhalter: A4SMR2020K0414
Einstechtiefe: 14 mm (.550 Zoll)
Plattensitzgröße: 4



Geschwindigkeit: 200 m/min (650 sfm)
Drehvorschub: 0,25 mm (.010 ipr)
Einstechvorschub: 0,14 mm (.006 ipr)

Herzlichen Glückwunsch!

Durch die Auswahl der für Ihre Anwendung am besten geeigneten A4-Spanformstufe, Schneidstoffsorte und Schnitteigenschaften ist es Ihnen gelungen, Ihre Produktivität zu maximieren!

A4 Wendeschneidplatten-Kennzeichnungssystem

Stechdreh-Wendeschneidplatten

1. Werkzeugsystem	2. Schneidplattenform	3. Einstechbreite	4. Maßeinheit für Einstechbreite	5. Wendeschneidplattengröße	6. Toleranz	7. Eckenradius	8. Spanformstufe/ Schneidkantenausführung
A4	**G**	**0405**	**M**	**04**	**U**	**02**	**GMN**

1. Werkzeugsystem

A4 – Stechdrehen

2. Schneidplattenform

G – Rechteckform
R – Vollradius
C – Abstechen

3. Einstechbreite

Maße in 1/100 mm oder .001Zoll

4. Maßeinheit für Einstechbreite

M – metrisch
N – Zoll

5. Wendeschneidplattengröße

Wendeschneidplattengröße	Stechbreite (mm)
03	3,0 – 3,05
04	4,0 – 4,05
05	5,0 – 5,05
06	6,0 – 6,05
08	8,0 – 8,05
10	10,0 – 10,05

6. Toleranz

P = präzisionsgeschliffen
Toleranz der Stechbreite:
± 0,025 mm (.001 Zoll)

U = am Umfang abgepresst
Toleranz der Stechbreite:

3,05-10,05: $\frac{+0,15\text{ mm}}{-0}$ $\frac{(+.006\text{ Zoll})}{-0}$

7. Eckenradius

metrisch	Zoll
01 = 0,1	0 = .004
02 = 0,2	05 = .008
04 = 0,4	1 = .016
08 = 0,8	2 = .032
12 = 1,2	3 = .047

Vollradius = 00

8. Spanformstufe/ Schneidkanten-ausführung

GMN =
Stechdrehen, mittlere Bearbeitung stabile Schneidkante

GMP =
Stechdrehen, mittlere Bearbeitung positiver Spanwinkel

B =
ohne Spanformstufe, Geometrie für Sonderformen und Spezialanwendungen

E =
ohne Spanformstufe, geringe Kantenverrundung

Abstech-Wendeschneidplatten

1. Werkzeugsystem	2. Wendeschneidplattentyp	3. Stechbreite	4. Ausführung	5. Anstellwinkel der Hauptschneidkante	6. Spanformstufe	7. Eckenradius
A4	**C**	**0305**	**N**	**00**	**CF**	**02**

1. Werkzeugsystem

A4 – Einstechen & Drehen

2. Wendeschneidplattentyp

C – Abstechen

3. Stechbreite

Maße in 1/100 mm

4. Ausführung

R = rechts
L = links
N = neutral

5. Anstellwinkel der Hauptschneidkante

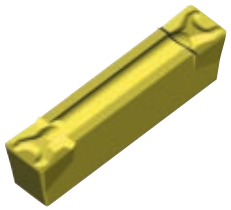
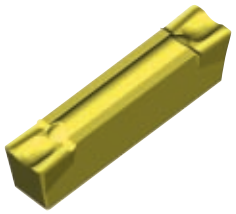
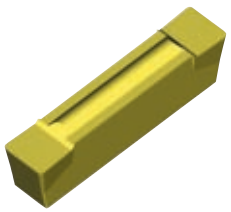
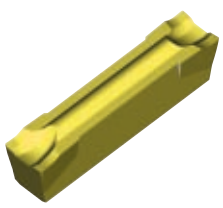
00 = neutral
06 = 6°
10 = 10°

6. Spanformstufe

CF nur zum Abstechen, positiver Spanwinkel

7. Eckenradius

metrisch	Zoll
02 = 0,2	.008

Wendeschneidplattentyp & Bezeichnung der Spanformstufen		Anwendungsbereich	Metrische Breiten (mm)	Zollbreiten (")	Stahl	Nicht rostender Stahl	Gusseisen	NE-Metalle	Schwer zerspanbare Stoffe	Harte Werkstoffe
abgepresst: A4G-U-GMN		**Stechdrehen:** • stabile Schneidkante für höhere Vorschubwerte • am Umfang abgepresst	3,05-10,05	–	●		●			●
präzisionsgeschliffen: A4G-P-GMN		• stabile, präzisionsgeschliffene Schneidkante • allgemeine Stechoperationen für spezielle Zollbreiten • +/- 0,025 mm (.001 Zoll) Breitentoleranz	–	.125-.375	●	○	●	○	○	●
abgepresst: A4G-U-GMP		**Stechdrehen:** • positiver Spanwinkel • reduzierte Schnittkraft • niedrige bis mittlere Vorschubwerte • am Umfang abgepresst	3,05-10,05	–	○	●				
präzisionsgeschliffen: A4G-P-GMP		• positiver Spanwinkel • präzisionsgeschliffene Schneidkante • +/- 0,025 mm (.001 Zoll) Breitentoleranz	3,0-10,00	–		○		●	●	
abgepresst: A4R-U-GMN		**Stechdrehen:** • stabile Schneidkante für höhere Vorschub werte • am Umfang abgepresst	3,05-10,05	–	●		●			●
präzisionsgeschliffen: A4R-P-GMN		• stabile, präzisionsgeschliffene Schneidkante • allgemeine Stechoperationen für spezielle Zollbreiten • +/- 0,025 mm (.001 Zoll) Breitentoleranz	–	.125-.375	●	○	●	○	○	●
präzisionsgeschliffen: A4R-P-GMP		**Stechdrehen:** • positiver Spanwinkel • präzisionsgeschliffene Schneidkante • 0,025 mm (+/- 0,001") Breitentoleranz	3,0-10,00	–		●		●	●	
abgepresst: A4G-U-B		**Stechdrehen:** • für Sonderprofile und für PCBN-Wende-schneidplatten (nur auf Anfrage) • Zweite Wahl für Gusseisen und schwer zerspanbare Werkstoffe	3,05-10,05	–			○		○	
präzisionsgeschliffen: A4G-P-E		• Diamant-Tip für die Hochleistungs-zerspanung von NE-Werkstoffen	3,0-5,0	–				●		
abgepresst: A4C-CF		**Abstechen:** • hoch positiver Spanwinkel • scharfe Schneidkante • erhältlich mit neutralem Einstellwinkel, in rechter und linker Ausführung mit 6° und 10°	3,05-4,05	–	●	●	●	●	●	

● - Primäranwendung ○ - Sekundäranwendung

A4 Stechdrehen

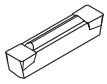
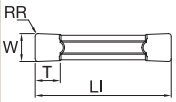
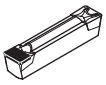
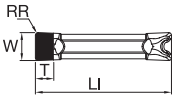
	Plattensitzgröße	W Zoll	W mm	Katalognummer	RR Zoll	RR mm	LI Zoll	LI mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	P KC9110	P KC9125	M KT315	M KC5010	M KC5025	K KC5010	K KC9110	K KC9125	N K313	N K1025	N KC5010	N KC5025	N KD1405	S K313	S K1025	S KC5010	S KC5025	H KC5010	KENNA UNIVERSAL KU30T
A4G-U-GMN	3	.120	3,05	**A4G0305M03U02GMN**	.008	0,2	.79	20	.138	3,5		●	●	●	●		●	●	●	●	●			●	●				●	●	●	●
	3	.120	3,05	**A4G0305M03U04GMN**	.016	0,4	.79	20	.138	3,5		●	●	●	●		●	●	●	●	●			●	●				●	●	●	●
	4	.159	4,05	**A4G0405M04U04GMN**	.016	0,4	.79	20	.138	3,5		●	●	●	●		●	●	●	●	●			●	●				●	●	●	●
	4	.159	4,05	**A4G0405M04U08GMN**	.031	0,8	.79	20	.138	3,5		●	●	●	●		●	●	●	●	●			●	●				●	●	●	
	5	.199	5,05	**A4G0505M05U04GMN**	.016	0,4	.98	25	.165	4,2		●	●	●	●		●	●	●	●	●			●	●				●	●	●	●
	5	.199	5,05	**A4G0505M05U08GMN**	.031	0,8	.98	25	.165	4,2		●	●	●	●		●	●	●	●	●			●	●				●	●	●	●
	6	.238	6,05	**A4G0605M06U04GMN**	.016	0,4	1.18	30	.193	4,9		●	●	●	●		●	●	●	●	●			●	●				●	●	●	
	6	.238	6,05	**A4G0605M06U08GMN**	.031	0,8	1.18	30	.193	4,9	●	●	●	●	●	●	●	●	●	●	●			●	●				●	●	●	●
	6	.238	6,05	**A4G0605M06U12GMN**	.047	1,2	1.18	30	.193	4,9		●	●	●	●		●	●	●	●	●			●	●				●	●	●	
	8	.317	8,05	**A4G0805M08U08GMN**	.031	0,8	1.18	30	.252	6,4		●	●	●	●		●	●	●	●	●			●	●				●	●	●	
	8	.317	8,05	**A4G0805M08U12GMN**	.047	1,2	1.18	30	.252	6,4		●	●	●	●		●	●	●	●	●			●	●				●	●	●	
	10	.396	10,05	**A4G1005M10U08GMN**	.031	0,8	1.18	30	.319	8,1		●	●	●	●		●	●	●	●	●			●	●				●	●	●	
	10	.396	10,05	**A4G1005M10U12GMN**	.047	1,2	1.18	30	.319	8,1		●	●	●	●		●	●	●	●	●			●	●				●	●	●	
A4G-U-GMP	3	.120	3,05	**A4G0305M03U02GMP**	.008	0,2	.79	20	.138	3,5	●	●	●	●	●	●	●	●	●	●	●			●	●				●	●	●	●
	3	.120	3,05	**A4G0305M03U04GMP**	.016	0,4	.79	20	.138	3,5	●	●	●	●	●	●	●	●	●	●	●			●	●				●	●	●	
	4	.159	4,05	**A4G0405M04U04GMP**	.016	0,4	.79	20	.138	3,5	●	●	●	●	●	●	●	●	●	●	●			●	●				●	●	●	●
	4	.159	4,05	**A4G0405M04U08GMP**	.031	0,8	.79	20	.138	3,5	●	●	●	●	●	●	●	●	●	●	●			●	●				●	●	●	●
	5	.199	5,05	**A4G0505M05U04GMP**	.016	0,4	.99	25	.165	4,2	●	●	●	●	●	●	●	●	●	●	●			●	●				●	●	●	
	5	.199	5,05	**A4G0505M05U08GMP**	.031	0,8	.99	25	.165	4,2	●	●	●	●	●	●	●	●	●	●	●			●	●				●	●	●	●
	6	.238	6,05	**A4G0605M06U04GMP**	.016	0,4	1.19	30	.193	4,9		●	●	●		●	●	●	●	●	●			●	●				●	●	●	
	6	.238	6,05	**A4G0605M06U08GMP**	.031	0,8	1.19	30	.193	4,9	●	●	●	●	●	●	●	●	●	●	●			●	●				●	●	●	●
	6	.238	6,05	**A4G0605M06U12GMP**	.047	1,2	1.19	30	.193	4,9		●	●	●		●	●	●	●	●	●			●	●				●	●	●	
	8	.317	8,05	**A4G0805M08U08GMP**	.031	0,8	1.19	30	.252	6,4		●	●	●		●	●	●	●	●	●			●	●				●	●	●	
	8	.317	8,05	**A4G0805M08U12GMP**	.047	1,2	1.19	30	.252	6,4		●	●	●		●	●	●	●	●	●			●	●				●	●	●	
	10	.396	10,05	**A4G1005M10U08GMP**	.031	0,8	1.19	30	.319	8,1		●	●	●		●	●	●	●	●	●			●	●				●	●	●	
	10	.396	10,05	**A4G1005M10U12GMP**	.047	1,2	1.19	30	.319	8,1		●	●	●		●	●	●	●	●	●			●	●				●	●	●	
A4G-P-GMN	3	.125	3,18	**A4G125I03P05GMN**	.008	0,2	.79	20	.135	3,4		●	●				●	●	●			●		●	●		●		●	●	●	
	3	.125	3,18	**A4G125I03P1GMN**	.016	0,4	.79	20	.135	3,4		●	●				●	●	●			●		●	●				●	●	●	
	4	.187	4,75	**A4G187I04P1GMN**	.016	0,4	.79	20	.139	3,5		●	●				●	●	●			●		●	●		●		●	●	●	
	4	.187	4,75	**A4G187I04P2GMN**	.032	0,8	.79	20	.139	3,5		●	●				●	●	●					●	●				●	●	●	
	6	.250	6,35	**A4G250I06P1GMN**	.016	0,4	1.18	30	.190	4,8		●	●				●	●	●			●		●	●		●		●	●	●	
	6	.250	6,35	**A4G250I06P2GMN**	.032	0,8	1.18	30	.190	4,8		●	●				●	●	●					●	●				●	●	●	
	8	.312	7,93	**A4G312I08P1GMN**	.016	0,4	1.18	30	.249	6,3		●	●				●	●	●			●		●	●		●		●	●	●	
	8	.312	7,93	**A4G312I08P2GMN**	.032	0,8	1.18	30	.249	6,3		●	●				●	●	●					●	●				●	●	●	
	10	.375	9,53	**A4G375I10P1GMN**	.016	0,4	1.18	30	.315	8,0		●	●				●	●	●			●		●	●		●		●	●	●	
	10	.375	9,53	**A4G375I10P2GMN**	.032	0,8	1.18	30	.315	8,0		●	●				●	●	●					●	●				●	●	●	
A4G-P-GMP	3	.118	3,00	**A4G0300M03P02GMP**	.008	0,2	.79	20	.138	3,5		●	●				●	●	●			●		●	●		●		●	●	●	
	3	.118	3,00	**A4G0300M03P04GMP**	.016	0,4	.79	20	.138	3,5		●	●				●	●	●			●		●	●		●		●	●	●	
	4	.157	4,00	**A4G0400M04P02GMP**	.008	0,2	.79	20	.138	3,5		●	●				●	●	●			●		●	●		●		●	●	●	
	4	.157	4,00	**A4G0400M04P04GMP**	.016	0,4	.79	20	.138	3,5		●	●				●	●	●			●		●	●		●		●	●	●	
	4	.157	4,00	**A4G0400M04P08GMP**	.031	0,8	.79	20	.138	3,5		●	●				●	●	●			●		●	●		●		●	●	●	
	5	.197	5,00	**A4G0500M05P04GMP**	.016	0,4	.98	25	.165	4,2		●	●				●	●	●			●		●	●		●		●	●	●	
	5	.197	5,00	**A4G0500M05P08GMP**	.031	0,8	.98	25	.165	4,2		●	●				●	●	●			●		●	●		●		●	●	●	
	6	.236	6,00	**A4G0600M06P04GMP**	.016	0,4	1.18	30	.190	4,8		●	●				●	●	●			●		●	●		●		●	●	●	
	6	.236	6,00	**A4G0600M06P08GMP**	.031	0,8	1.18	30	.190	4,8		●	●				●	●	●			●		●	●		●		●	●	●	
	8	.315	8,00	**A4G0800M08P08GMP**	.031	0,8	1.18	30	.249	6,3		●	●				●	●	●			●		●	●		●		●	●	●	
	8	.315	8,00	**A4G0800M08P12GMP**	.047	1,2	1.18	30	.249	6,3		●	●				●	●	●			●		●	●		●		●	●	●	
	10	.394	10,00	**A4G1000M10P08GMP**	.031	0,8	1.18	30	.316	8,0		●	●				●	●	●			●		●	●		●		●	●	●	
	10	.394	10,00	**A4G1000M10P12GMP**	.047	1,2	1.18	30	.316	8,0		●	●				●	●	●			●		●	●		●		●	●	●	

Bestellbeispiel:
Katalognummer: **A4G0305M03U02GMN**
Schneidstoffsorte: **KC5010**

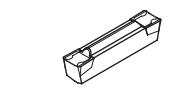
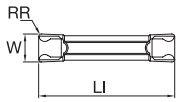
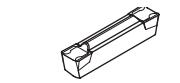
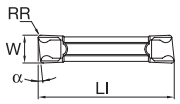
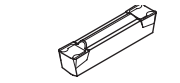
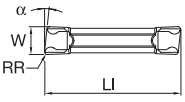
	Plattensitzgröße	W Zoll	W mm	Katalognummer	Abmessungen RC Zoll	RC mm	LI Zoll	LI mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	P KC9110	P KC9125	M KT315	M KC5010	M KC5025	K KC5010	K KC9110	K KC9125	N K313	N K1025	N KC5010	N KC5025	N KD1405	S K313	S K1025	S KC5010	S KC5025	H KC5010	KENNA UNIVERSAL KU30T
A4R-U-GMN	3	.120	3,05	**A4R0305M03U00GMN**	.060	1,5	.79	20	.101	2,6		●	●	●	●	●	●	●	●	●			●	●				●	●	●	●
	4	.159	4,05	**A4R0405M04U00GMN**	.080	2,0	.79	20	.134	3,4		●	●	●	●	●	●	●	●	●			●	●				●	●	●	●
	5	.199	5,05	**A4R0505M05U00GMN**	.099	2,5	.99	25	.161	4,1		●	●	●	●	●	●	●	●	●			●	●				●	●	●	●
	6	.238	6,05	**A4R0605M06U00GMN**	.119	3,0	1.19	30	.192	4,9		●	●	●	●	●	●	●	●	●			●	●				●	●	●	●
	8	.317	8,05	**A4R0805M08U00GMN**	.159	4,0	1.19	30	.256	6,5		●	●	●	●	●	●	●	●	●			●	●				●	●	●	
	10	.396	10,05	**A4R1005M10U00GMN**	.198	5,0	1.19	30	.319	8,1		●	●	●	●	●	●	●	●	●			●	●				●	●	●	
A4R-P-GMN	3	.125	3,18	**A4R125I03P00GMN**	.063	1,6	.79	20	.111	2,8		●	●				●	●	●				●	●				●	●	●	
	4	.187	4,75	**A4R187I04P00GMN**	.094	2,4	.79	20	.159	4,0		●	●				●	●	●				●	●				●	●	●	
	6	.250	6,35	**A4R250I06P00GMN**	.125	3,2	1.18	30	.209	5,3		●	●				●	●	●				●	●				●	●	●	
	8	.312	7,94	**A4R312I08P00GMN**	.156	4,0	1.18	30	.256	6,5		●	●				●	●	●				●	●				●	●	●	
	10	.375	9,53	**A4R375I10P00GMN**	.188	4,8	1.18	30	.303	7,7		●	●				●	●	●				●	●				●	●	●	
A4R-P-GMP	3	.118	3,00	**A4R0300M03P00GMP**	.059	1,5	.79	20	.099	2,5		●	●				●	●	●			●	●	●		●		●	●	●	
	4	.157	4,00	**A4R0400M04P00GMP**	.079	2,0	.79	20	.134	3,4		●	●				●	●	●			●	●	●		●		●	●	●	
	5	.197	5,00	**A4R0500M05P00GMP**	.098	2,5	.99	25	.161	4,1		●	●				●	●	●			●	●	●		●		●	●	●	
	6	.236	6,00	**A4R0600M06P00GMP**	.118	3,0	1.18	30	.192	4,9		●	●				●	●	●			●	●	●		●		●	●	●	
	8	.315	8,00	**A4R0800M08P00GMP**	.158	4,0	1.18	30	.256	6,5		●	●				●	●	●			●	●	●		●		●	●	●	
	10	.394	10,00	**A4R1000M10P00GMP**	.197	5,0	1.18	30	.319	8,1		●	●				●	●	●			●	●	●		●		●	●	●	
A4R-P-E	4	.157	4,00	**A4R0400M04P00E**	.079	2,0	.79	20	.118	3,0															●						
	5	.197	5,00	**A4R0500M05P00E**	.099	2,5	.98	25	.118	3,0															●						

Bestellbeispiel:
Katalognummer: **A4R0305M03U00GMN**
Schneidstoffsorte: **KC5010**

A4 Stechdrehen

	Plattensitz-größe	W Zoll	W mm	Katalognummer	RR Zoll	RR mm	LI Zoll	LI mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	P KC9110	P KC9125	M KT315	M KC5010	M KC5025	K KC5010	K KC9110	K KC9125	N K313	N K1025	N KC5010	N KC5025	N KD1405	S K313	S K1025	S KC5010	S KC5025	H KC5010	KENNA UNIVERSAL KU30T
A4G-U-B	3	.120	3,05	**A4G0305M03U02B**	.008	0,2	.79	20	.138	3,5			●					●					●		●			●		●		
	4	.159	4,05	**A4G0405M04U04B**	.016	0,4	.79	20	.134	3,4			●					●					●		●			●		●		
	5	.199	5,05	**A4G0505M05U04B**	.016	0,4	.98	25	.165	4,2			●					●					●		●			●		●		
	6	.238	6,05	**A4G0605M06U04B**	.016	0,4	1.18	30	.193	4,9			●					●					●		●			●		●		
	8	.317	8,05	**A4G0805M08U08B**	.031	0,8	1.18	30	.252	6,4			●					●					●		●			●		●		
	10	.396	10,05	**A4G1005M10U08B**	.031	0,8	1.18	30	.319	8,1			●					●					●		●			●		●		
A4G-P-E	3	.118	3,00	**A4G0300M03P04E**	.016	0,4	.79	20	.118	3,0																●						
	4	.157	4,00	**A4G0400M04P04E**	.016	0,4	.79	20	.118	3,0																●						
	5	.197	5,00	**A4G0500M05P08E**	.031	0,8	.98	25	.118	3,0																●						
																																

Bestellbeispiel:
Katalognummer: **A4G0305M03U02B**
Schneidstoffsorte: **KC5025**

	Plattensitz-größe	W Zoll	W mm	Katalognummer	RR Zoll	RR mm	LI Zoll	LI mm	α°	KENNA PERFECT P KT315	P KC5010	P KC5025	P KC9110	P KC9125	M KT315	M KC5010	M KC5025	K KC5010	K KC9110	K KC9125	N K313	N K1025	N KC5010	N KC5025	N KD1405	S K313	S K1025	S KC5010	S KC5025	H KC5010	KENNA UNIVERSAL KU30T
A4C-N-CF				**Neutral**																											
	3	.120	3,05	**A4C0305N00CF02**	.008	0,2	.79	20	-			●					●						●						●		
	4	.159	4,05	**A4C0405N00CF02**	.008	0,2	.79	20	-			●					●						●						●		
																															
A4C-R-CF				**Rechts**																											
	3	.120	3,05	**A4C0305R06CF02**	.008	0,2	.79	20	6			●					●						●						●		
	3	.120	3,05	**A4C0305R10CF02**	.008	0,2	.79	20	10			●					●						●						●		
	4	.159	4,05	**A4C0405R06CF02**	.008	0,2	.79	20	6			●					●						●						●		
	4	.159	4,05	**A4C0405R10CF02**	.008	0,2	.79	20	10			●					●						●						●		
																															
A4C-L-CF				**Links**																											
	3	.120	3,05	**A4C0305L06CF02**	.008	0,2	.79	20	6			●					●						●						●		
	3	.120	3,05	**A4C0305L10CF02**	.008	0,2	.79	20	10			●					●						●						●		
	4	.159	4,05	**A4C0405L06CF02**	.008	0,2	.79	20	6			●					●						●						●		
	4	.159	4,05	**A4C0405L10CF02**	.008	0,2	.79	20	10			●					●						●						●		
																															

Bestellbeispiel:
Katalognummer: **A4C0305N00CF02**
Schneidstoffsorte: **KC9125**

Kennzeichnungssystem für A4 Trägerwerkzeuge

Klemmhalter

METRISCH

ZOLL

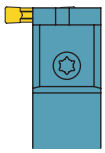
1. Werkzeugsystem	2. Werkzeugausführung	3. Halterform	4. Richtung des Werkzeugs	5. Schaftgröße	6. Plattensitzgröße	7. Max. Einstechtiefe
A4	S	M	R	2525M	03	17
				16		

1. Werkzeugsystem
A4 – Stechdrehen

2. Werkzeugausführung
S – gerade



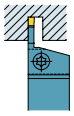
E – Kopfmontage 90°



3. Halterform
M = maximaler Unterbau für spezielle Stechbreiten und gerade Schneidenform für unbegrenzte Werkstückdurchmesser

E = kein Stahlunterbau für das Axialeinstechen

4. Richtung des Werkzeugs



R = rechts
L = links
N = neutral

5. Schaftgröße
Zollgrößen: bei quadratischen Schäften gibt die Zahl die Höhe und Breite in Schritten von Sechzehntelzoll an (rechteckige Schäfte: 1. Ziffer = Breite in Schritten von Achtelzoll, 2. Ziffer = Höhe in Schritten von Viertelzoll)

metrisch: Höhe x Breite in mm; der Buchstabe kennzeichnet die Werkzeuglänge gemäß ISO

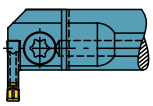
metrische Werkzeuglänge (mm)
K = 125
M = 150
P = 170

6. Plattensitzgröße
03, 04, 05, 06, 08, 10

7. Max. Einstechtiefe
in Millimetern

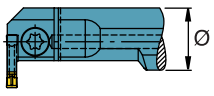
Bohrstangen

1. Stahlbohrstange mit Kühlung	2. Bohrstangendurchmesser	3. Bohrstangenlänge	4. A4 Einstech- & Drehsystem	5. Werkzeugausführung	6. Bohrstangenform	7. Richtung des Werkzeugs	8. Plattensitzgröße	9. Einstechtiefe in mm	10. Maßeinheit für Abmessung
A	16	R	A4	E	M	R	03	10	N



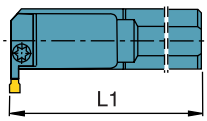
1. Stahlbohrstange mit Kühlung

2. Bohrstangendurchmesser



Bohrstangen in Zollgrößen:
Eine zweistellige Zahl, die den Bohrstangendurchmesser in Sechzehntelzoll angibt.
Metrische Stangen:
Stangendurchmesser in mm

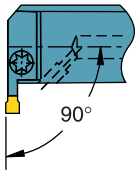
3. Bohrstangenlänge



Bohrstangen in Zollgrößen:
R = 8 Zoll
S = 10 Zoll
T = 12 Zoll
Metrische Stangen:
R = 200 mm
S = 250 mm
T = 300 mm

4. A4 Einstech- & Drehsystem

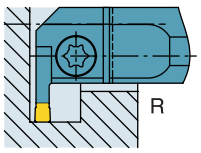
5. Werkzeugausführung

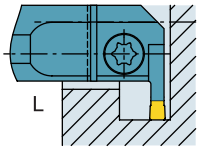


E = Kopfmontage (90 Grad)

6. Bohrstangenform
M = maximaler Unterbau

7. Richtung des Werkzeugs

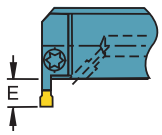




8. Plattensitzgröße

Plattensitzgröße	Stechbreite (mm)
03	3,0 – 3,05
04	4,0 – 4,05
05	5,0 – 5,05
06	6,0 – 6,05

9. Einstechtiefe in mm

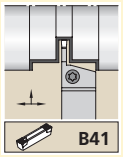


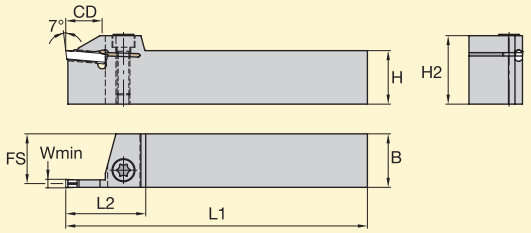
Umrechnungstabelle: Zoll
7 mm = .28
10 mm = .39
12 mm = .47
16 mm = .63

10. Maßeinheit für Abmessung
M – metrisch
N – Zoll

HINWEIS: Anzugsmomentempfehlung für Spannschraube auf Seite E53.

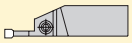
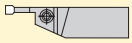
A4SM





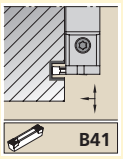
Platten-sitz-größe	CD	Katalognummer Rechts/Links	Wmin	H	B	H2	H3	L1	FS	L2	Torx-Spann-schraube	Torx
3	14	**A4SM R/L 1616K0314**	3,00	16	16	23	-	125	14,72	35	**MS2091**	T25
3	17	**A4SM R/L 2016K0317**	3,00	20	16	32	5	125	14,70	37	**MS1970**	T30
3	14	**A4SM R/L 2020K0314**	3,00	20	20	27	-	125	18,72	35	**MS1595**	T30
3	17	**A4SM R/L 2020K0317**	3,00	20	20	32	5	125	18,70	37	**MS1970**	T30
3	17	**A4SM R/L 2525M0317**	3,00	25	25	32	-	150	23,72	37	**MS1970**	T30
4	17	**A4SM R/L 2016K0417**	4,00	20	16	32	5	125	14,20	37	**MS1970**	T30
4	14	**A4SM R/L 2020K0414**	4,00	20	20	27	-	125	18,22	35	**MS1595**	T30
4	17	**A4SM R/L 2020K0417**	4,00	20	20	32	5	125	18,20	37	**MS1970**	T30
4	17	**A4SM R/L 2525M0417**	4,00	25	25	32	-	150	23,22	37	**MS1970**	T30
4	17	**A4SM R/L 3225P0417**	4,00	32	25	40	-	170	23,22	37	**MS1970**	T30
5	19	**A4SM R/L 2020K0519**	5,00	20	20	28	-	125	17,72	40	**MS1595**	T30
5	20	**A4SM R/L 2525M0520**	5,00	25	25	33	-	150	22,72	40	**MS1970**	T30
5	22	**A4SM R/L 3225P0522**	5,00	32	25	40	-	170	22,72	42	**MS1970**	T30
6	20	**A4SM R/L 2020K0620**	6,00	20	20	33	5	125	17,30	40	**MS1970**	T30
6	20	**A4SM R/L 2525M0620**	6,00	25	25	33	-	150	22,30	40	**MS1970**	T30
6	26	**A4SM R/L 3225P0626**	6,00	32	25	40	-	170	22,30	45	**MS1970**	T30
8	20	**A4SM R/L 2525M0820**	8,00	25	25	34	-	150	21,40	43	**MS1490**	T45
8	26	**A4SM R/L 3225P0826**	8,00	32	25	41	-	170	21,40	47	**MS1490**	T45
10	26	**A4SM R/L 3225P1026**	10,00	32	25	41	-	170	20,80	47	**MS1490**	T45

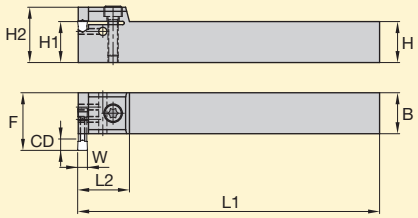
HINWEIS: Empfohlenes Drehmoment für Spannschrauber siehe Seite E53

Bestellbeispiel:
Rechts: A4SMR1616K0314  **Links: A4SML1616K0314** 

A4 Stechdrehen – Klemmhalter

A4EN





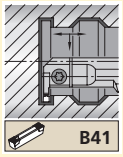
Platten-sitz-größe	CD	Katalognummer Rechts/Links	W	Dmin*	H	H1	B	H2	L1	F	L2	Torx-Spann-schraube	Torx	Sechskant-Klemm-schraube	Hex (mm)
3	5	**A4ENN2020K0305**	3,00	70	20	20	20	27	123,8	25,4	25	**MS2091**	T25	**MS2090**	1,5
3	5	**A4ENN2525M0305**	3,00	70	25	25	25	32	148,8	30,4	25	**MS2091**	T25	**MS2090**	1,5
4	7	**A4ENN2020K0407**	4,00	90	20	20	20	27	123,3	27,9	25	**MS2091**	T25	**MS2090**	1,5
4	7	**A4ENN2525M0407**	4,00	90	25	25	25	32	148,3	33,1	25	**MS2091**	T25	**MS2090**	1,5
5	9	**A4ENN2020K0509**	5,00	120	20	20	20	27	122,8	30,1	25	**MS2091**	T25	**MS2090**	1,5
5	9	**A4ENN2525M0509**	5,00	120	25	25	25	32	147,8	35,1	25	**MS2091**	T25	**MS2090**	1,5
6	11	**A4ENN2020K0611**	6,00	120	20	20	20	28	122,3	35,4	34	**MS1595**	T30	**193.297**	2,0
6	11	**A4ENN2525M0611**	6,00	120	25	25	25	33	147,3	38,9	34	**MS1970**	T30	**193.297**	2,0
6	11	**A4ENN3232P0611**	6,00	120	32	32	32	40	167,3	43,4	34	**MS1970**	T30	**193.297**	2,0
8	11	**A4ENN2525M0811**	8,00	120	25	25	25	35	146,3	39,0	40	**MS1490**	T45	**193.407**	2,5
8	11	**A4ENN3232P0811**	8,00	120	32	32	32	42	166,3	43,4	40	**MS1490**	T45	**193.407**	2,5
10	11	**A4ENN2525M1011**	10,00	120	25	25	25	35	145,3	38,9	40	**MS1490**	T45	**193.407**	2,5
10	11	**A4ENN3232P1011**	10,00	120	32	32	32	42	165,3	43,4	40	**MS1490**	T45	**193.407**	2,5

*Dmin für Axialeinstiche

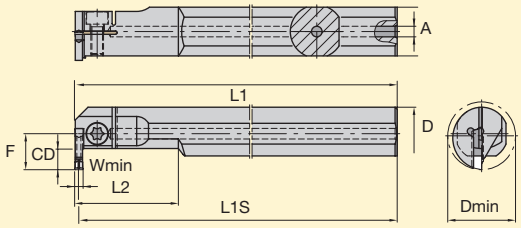
HINWEIS: Empfohlenes Drehmoment für Spannschrauber siehe Seite E53

Bestellbeispiel:
A4ENN2020K0305

A-A4E



Stahlschaft mit Innenkühlung



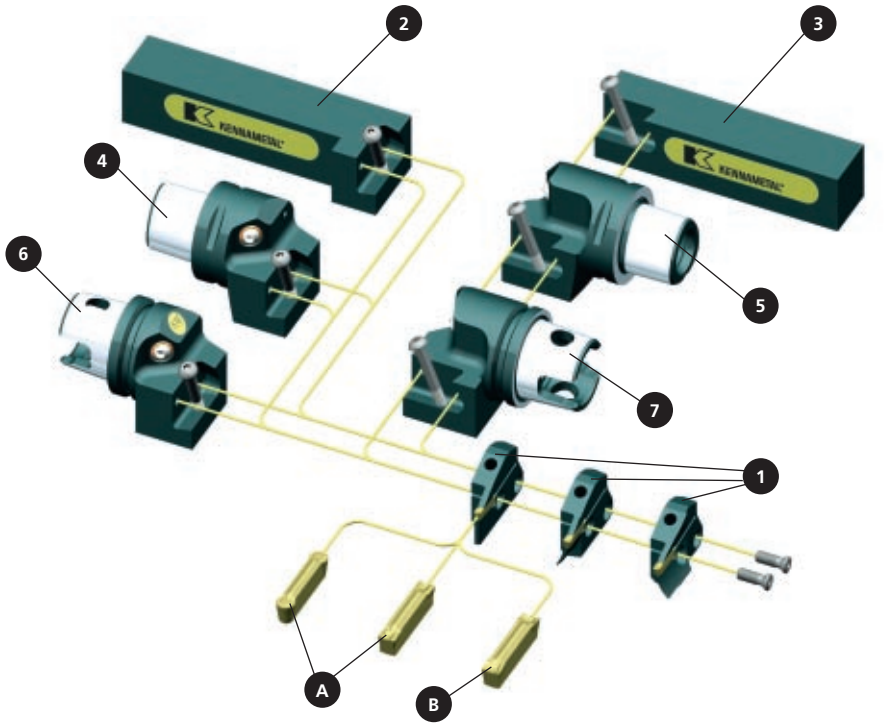
Plattensitzgröße	CD	Katalognummer Rechts/Links	Wmin	D	Dmin	L1	F	L1S	L2	A	Torx-Spannschraube	Torx
3	7	**A20RA4EM R/L 0307M**	3,00	20	25	200	13	198,5	40	4	**MS2089**	T25
3	10	**A25RA4EM R/L 0310M**	3,00	25	32	200	17	198,5	50	5	**MS1595**	T30
3	12	**A32SA4EM R/L 0312M**	3,00	32	40	250	22	248,5	64	6	**MS1595**	T30
4	7	**A20RA4EM R/L 0407M**	4,00	20	25	200	13	198,0	40	4	**MS2089**	T25
4	10	**A25RA4EM R/L 0410M**	4,00	25	32	200	17	198,0	50	5	**MS1595**	T30
4	12	**A32SA4EM R/L 0412M**	4,00	32	40	250	22	248,0	64	6	**MS1595**	T30
4	16	**A40TA4EM R/L 0416M**	4,00	40	52	300	30	298,0	80	6	**MS1970**	T30
5	16	**A32SA4EM R/L 0516M**	5,00	32	44	250	26	247,5	64	6	**MS1595**	T30
5	16	**A40TA4EM R/L 0516M**	5,00	40	52	300	30	297,5	80	6	**MS1970**	T30
6	16	**A40TA4EM R/L 0616M**	6,00	40	52	300	30	297,0	80	6	**MS1970**	T30

HINWEIS: Empfohlenes Drehmoment für Spannschrauber siehe Seite B53

Bestellbeispiel:
Rechts: **A20RA4EMR0307M**  Links: **A20LA4EMR0307M** 

A4 Kennzeichnungssystem für modulare Stecheinsätze

Modulare Einstechwerkzeughalter mit integriertem Schaft und Schnellwechselsysteme



Legende		Seite
A	A4 Stechdreh-Wendeschneidplatten	B41 - B44
B	A4 Abstechplatten	B45
1	Außen- und Axial- Einstecheinsatz	B51 - B52
2	KGME-Klemmhalter	B54
3	KGMS-Klemmhalter	B54
4	Capto KGME-Werkzeugkopf	B57
5	Capto KGMS-Werkzeugkopf	B57
6	KM KGME-Werkzeugkopf	B56
7	KM KGMS-Werkzeugkopf	B56

Auf Wunsch der Kunden haben Kennametal Inc. und Sandvik® Coromant eine Vereinbarung darüber geschlossen, dass beide Firmen KM- und Coromant Capto-Produkte weltweit herstellen, anbieten und vertreiben dürfen. Unter der Marke Kennametal Capto bieten wir eine Vielzahl führender und innovativer Kennametal-Werkzeugkonstruktionen unter Verwendung der Coromant Capto-Trennstelle an.

Fertigung und Vermarktung der Kennametal Capto-Produkte und die Verwendung der Marke "Capto" entsprechen einer von Sandvik erteilten Lizenz.

Modulare Stecheinsätze für A4-Wendeschneidplatten

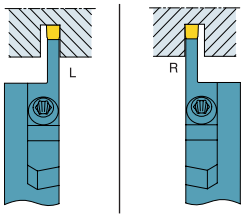
1. A4 Werkzeugsystem

A4M

2. Größe des Modular-systems

50

3. Richtung des Werkzeugs



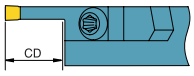
R

4. Plattensitzgröße

Platten-sitzgröße	Stechbreite (mm)
03	3,0 – 3,05
04	4,0 – 4,05
05	5,0 – 5,05

04

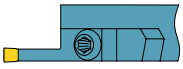
5. Maximale Einstechtiefe



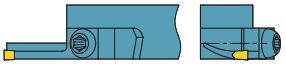
14 mm = .55 Zoll
19 mm = .75 Zoll

14

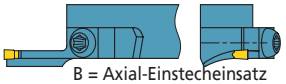
6. Werkzeugausführung



M = maximaler Unterbau für spezielle Stechbreiten und gerade Schneidenform für unbegrenzte Werkstückdurchmesser



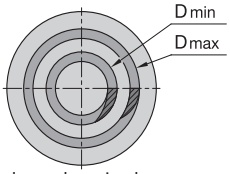
A = Axial-Einstecheinsatz nach innen gewölbt



B = Axial-Einstecheinsatz nach außen gewölbt

B

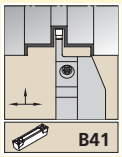
7. Durchmesser für Axialeinstiche Dmin-Dmax (mm)

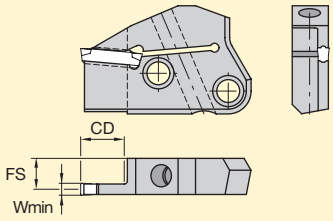


Minimaler und maximaler Außendurchmesser für Axialeinstiche.
999 = $D_{max\ unbegrenzt}$

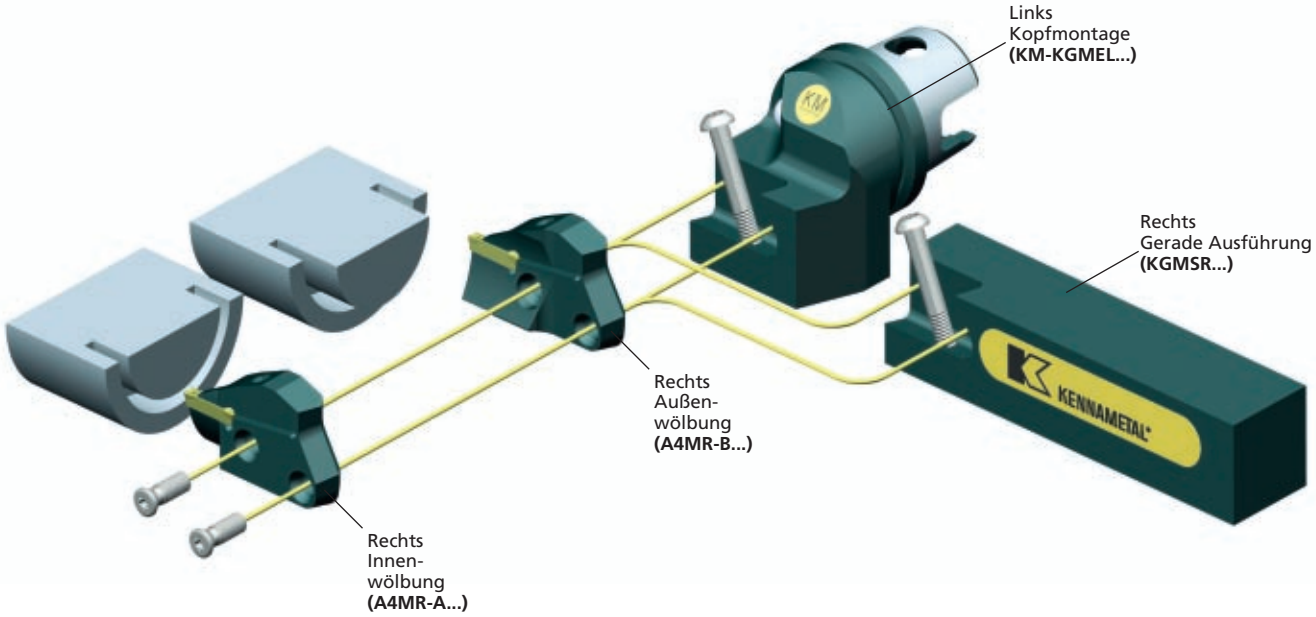
048-072

A4M-M

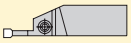




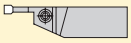
Platten-sitzgröße	CD	Katalognummer Rechts/Links	Wmin	FS	Stech-einsatz-größe
3	14,0	**A4M50 R/L 0314M**	3,00	10,425	50
4	14,0	**A4M50 R/L 0414M**	4,00	9,925	50
5	19,0	**A4M50 R/L 0519M**	5,00	9,425	50



Bestellbeispiel:
Rechts: **A4M50R0314M**



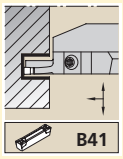
Links: **A4M50L0314M**

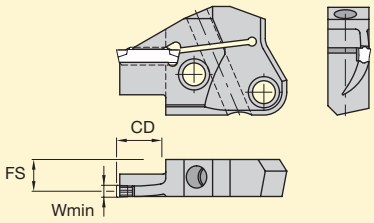


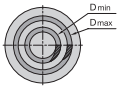
A4 Stechdrehen – Modulare Stecheinsätze

Axial-Stechdrehen

A4M-A INNENWÖLBUNG



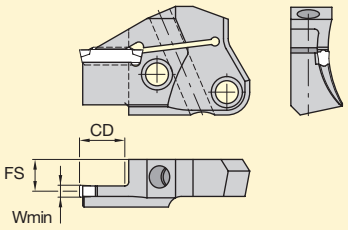


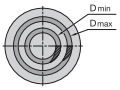


Platten-sitzgröße	Dmin	Dmax	Katalognummer Rechts/Links	Wmin	CD	FS	Stech-einsatz-größe
3	36	48	**A4M50 R/L 0314A036048**	3,00	14,0	10,50	50
3	42	58	**A4M50 R/L 0314A042058**	3,00	14,0	10,50	50
3	52	74	**A4M50 R/L 0314A052074**	3,00	14,0	10,50	50
3	68	100	**A4M50 R/L 0314A068100**	3,00	14,0	10,50	50
3	90	160	**A4M50 R/L 0314A090160**	3,00	14,0	10,50	50
3	130	300	**A4M50 R/L 0314A130300**	3,00	14,0	10,50	50
3	290	-	**A4M50 R/L 0314A290999**	3,00	14,0	10,50	50
4	48	72	**A4M50 R/L 0414A048072**	4,00	14,0	10,00	50
4	64	100	**A4M50 R/L 0414A064100**	4,00	14,0	10,00	50
4	92	150	**A4M50 R/L 0414A092150**	4,00	14,0	10,00	50
4	132	300	**A4M50 R/L 0414A132300**	4,00	14,0	10,00	50
4	290	-	**A4M50 R/L 0414A290999**	4,00	14,0	10,00	50
5	58	94	**A4M50 R/L 0519A058094**	5,00	19,0	9,50	50
5	80	136	**A4M50 R/L 0519A080136**	5,00	19,0	9,50	50
5	120	300	**A4M50 R/L 0519A120300**	5,00	19,0	9,50	50
5	250	-	**A4M50R0 R/L 19A250999**	5,00	19,0	9,50	50

A4M-B AUSSENWÖLBUNG

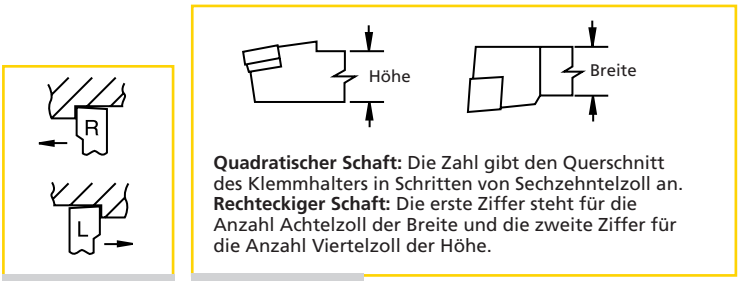






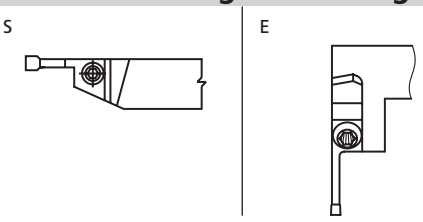
Platten-sitzgröße	Dmin	Dmax	Katalognummer Rechts/Links	Wmin	CD	FS	Stech-einsatz-größe
3	36	48	**A4M50 R/L 0314B036048**	3,00	14,0	10,50	50
3	42	58	**A4M50 R/L 0314B042058**	3,00	14,0	10,50	50
3	52	74	**A4M50 R/L 0314B052074**	3,00	14,0	10,50	50
3	68	100	**A4M50 R/L 0314B068100**	3,00	14,0	10,50	50
3	90	160	**A4M50 R/L 0314B090160**	3,00	14,0	10,50	50
3	130	300	**A4M50 R/L 0314B130300**	3,00	14,0	10,50	50
3	290	-	**A4M50 R/L 0314B290999**	3,00	14,0	10,50	50
4	48	72	**A4M50 R/L 0414B048072**	4,00	14,0	10,00	50
4	64	100	**A4M50 R/L 0414B064100**	4,00	14,0	10,00	50
4	92	150	**A4M50 R/L 0414B092150**	4,00	14,0	10,00	50
4	132	300	**A4M50 R/L 0414B132300**	4,00	14,0	10,00	50
4	290	-	**A4M50 R/L 0414B290999**	4,00	14,0	10,00	50
5	58	94	**A4M50 R/L 0519B058094**	5,00	19,0	9,50	50
5	80	136	**A4M50 R/L 0519B080136**	5,00	19,0	9,50	50
5	120	300	**A4M50 R/L 0519B120300**	5,00	19,0	9,50	50
5	250	-	**A4M50 R/L 0519B250999**	5,00	19,0	9,50	50

Bestellbeispiel :
Rechts: **A4M50R0314A036048**  Links: **A4M50L0314A036048** 

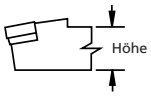


Quadratischer Schaft: Die Zahl gibt den Querschnitt des Klemmhalters in Schritten von Sechzehntelzoll an.
Rechteckiger Schaft: Die erste Ziffer steht für die Anzahl Achtelzoll der Breite und die zweite Ziffer für die Anzahl Viertelzoll der Höhe.

	1. Kennametal Modular-Einstechen	2. Werkzeugausführung	3. Richtung des Werkzeugs	4. Schaftab-messungen	5. Stechein-satzgröße	6. Werkzeug-Einheiten	7. Stechein-satz-größe
ZOLL	KGM	S	R	16	50	N	
METRISCH				25	25	M	50

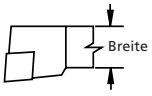


4. Schaft-höhe



Schafthöhe in Millimeter

5. Schaft-breite



Schaftbreite in Millimeter

N = Zoll

6. Werkzeug-länge

Über Wendeschneidplatte in einem Stecheinsatz mit einer Abmessung von 12,5 mm D

M = 150 mm
P = 170 mm



(KGMSR...)

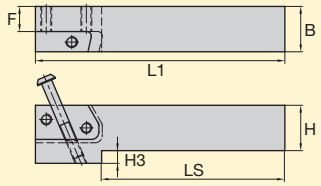


(KGMER...)

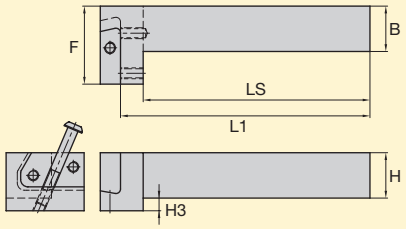
A4 Stechdrehen – Modulare Klemmhalter

Außen-Stechdrehen

KGMS



KGME

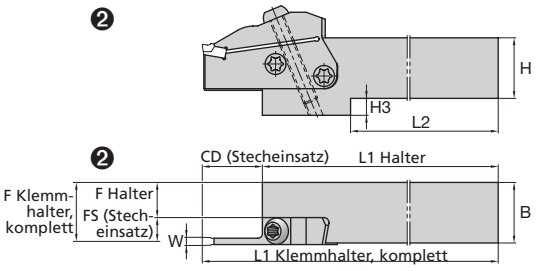


Katalognummer Rechts/Links	Stecheinsatzgröße	B	H	L1	F	LS	H3	Spannschraube für Stecheinsatz (2 erford.)	Schraube für Spannelement	Torx
KGMS R/L 2525M50	50	25	25	138,75	13,84	101,25	7,00	**MS-1162**	**MS-2002**	T25
KGMS R/L 3232P50	50	32	32	158,75	20,81	-	-	**MS-1162**	**MS-2002**	T25
KGME R/L 2525M50	50	25	25	139,25	42,75	125,25	6,84	**MS-1162**	**MS-2002**	T25
KGME R/L 3232P50	50	32	32	159,25	42,75	145,25	-	**MS-1162**	**MS-2002**	T25

Hinweis: KGMS..: Für rechte Halter rechte Einsätze verwenden.
KGME..: Für rechte Halter linke Einsätze verwenden.
Das Anzugsmoment der Schrauben für Spannelement und Stecheinsatz entspricht 71-88 in.-lbs. (8-10 Nm)

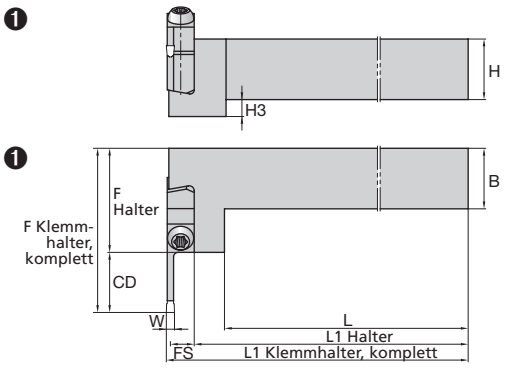
A4 Modulare Stecheinsätze

KGMS-Klemmhalter mit modularen Stecheinsätzen

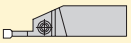
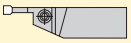


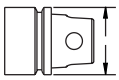
❷ F Klemmhalter, komplett = F (Halter) + FS (Stecheinsatz) + W/2
L1 Klemmhalter, komplett = L1 (Halter) + CD (Stecheinsatz) + 5,5 mm

KGME-Klemmhalter mit modularen Stecheinsätzen

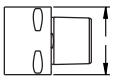


❶ F Klemmhalter, komplett = F (Halter) + CD (Stecheinsatz) + 5,5 mm
L1 (Klemmhalter, komplett) = L1 (Halter) + FS (Stecheinsatz) + W/2

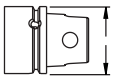
Bestellbeispiel :
Rechts: **KGMSR2525M50** 
Links: **KGMSL2525M50** 



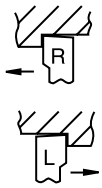
KM-Größe
KM40 = 40 mm dia.
KM50 = 50 mm dia.
KM63 = 63 mm dia



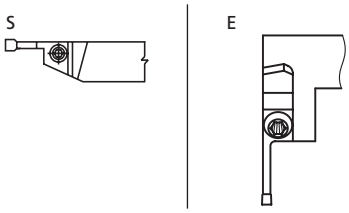
Kennametal Capto-Größe
C4 = 40 mm dia.
C5 = 50 mm dia.
C6 = 63 mm dia.



KMXMZ-Größe
KM63XMZ = 63 mm dia.



1. System & Größe		2. Kennametal Modular-Einstechen	3. Werkzeugausführung	4. Richtung des Werkzeugs	5. Stech-einsatzgröße	6. Besondere Bedingungen
KM40	KGM		S	R	50	



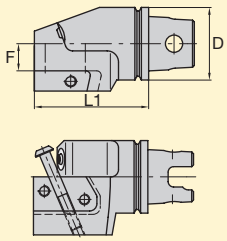
Y =
Mazak Integrex
Maschinen der Y-Serie



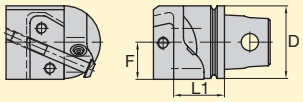
(KM-KGMSR...)

(KM-KGMEL...)

KGMS-KM

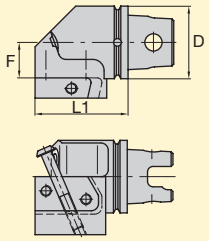


KGME-KM



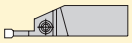
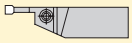
Katalognummer Rechts/Links	D	L1	F	Spannschraube für Stecheinsatz (2 erford.)	Schraube für Spann-element	Torx
KM40KGMS R/L 50	40	53,5	15	**MS-1162**	**MS-2002**	T25
KM50KGMS R/L 50	50	58,5	23	**MS-1162**	**MS-2002**	T25
KM63UTKGMS R/L 50	63	63,5	31	**MS-1162**	**MS-2002**	T25
KM40KGME R/L 50	40	28	20,5	**MS-1162**	**MS-2002**	T25
KM50KGME R/L 50	50	38	25,5	**MS-1162**	**MS-2002**	T25
KM63KGME R/L 50	63	48	32,5	**MS-1162**	**MS-2002**	T25
KM80ATCKGME R/L 50	80	58	40,5	**MS-1162**	**MS-2002**	T25

KM-XMZKGMS..

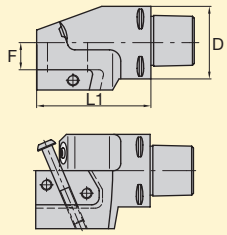


Katalognummer Rechts/Links	D	L1	F	Spannschraube für Stecheinsatz (2 erford.)	Schraube für Spann-element	Torx
KM63XMZKGMS R/L 50Y	63	63,50	31	**MS-1162**	**MS-2002**	T25

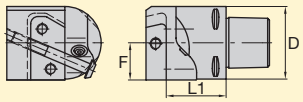
Hinweis: .KGMS..: Für rechte Halter rechte Einsätze verwenden.
.KGME..: Für rechte Halter linke Einsätze verwenden.
Das Anzugsmoment der Schrauben für Spannelement und Stecheinsatz entspricht 71-88 in.-lbs. (8-10 Nm).
Siehe Abbildungen zu den modularen Stecheinsätzen auf Seite B58.

Bestellbeispiel:
Rechts: **KM40KGMSR50** 
Links: **KM40KGMSL50** 

KGMS-C

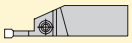
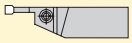


KGME-C

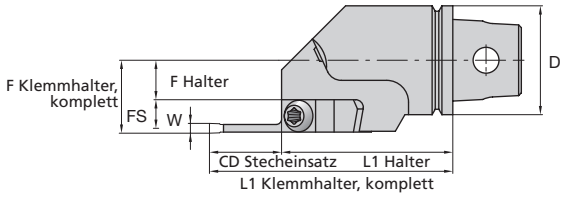


Katalognummer Rechts/Links	D	L1	F	Spannschraube für Stecheinsatz (2 erford.)	Schraube für Spann-element	Torx
C4KGME R/L 50	40	33,0	20,5	**MS-1162**	**MS-2002**	T25
C5KGME R/L 50	50	43,0	25,5	**MS-1162**	**MS-2002**	T25
C6KGME R/L 50	63	48,0	32,5	**MS-1162**	**MS-2002**	T25
C4KGMS R/L 50	40	63,5	10,0	**MS-1162**	**MS-2002**	T25
C5KGMS R/L 50	50	63,5	15,0	**MS-1162**	**MS-2002**	T25
C6KGMS R/L 50	63	65,5	22,0	**MS-1162**	**MS-2002**	T25

Hinweis: .KGMS..: Für rechte Halter rechte Einsätze verwenden.
.KGME..: Für rechte Halter linke Einsätze verwenden.
Das Anzugsmoment der Schrauben für Spannelement und Stecheinsatz entspricht 71-88 in.-lbs. (8-10 Nm).
Siehe Abbildungen zu den modularen Stecheinsätzen auf Seite B58

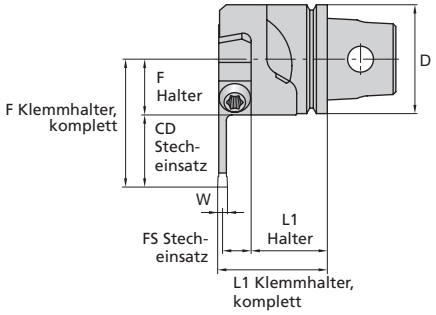
Bestellbeispiel :
Rechts: **C4KGMSR50** 
Links: **C4KGMSL50** 

KM-KGMS-Klemmhalter mit modularem Stecheinsatz



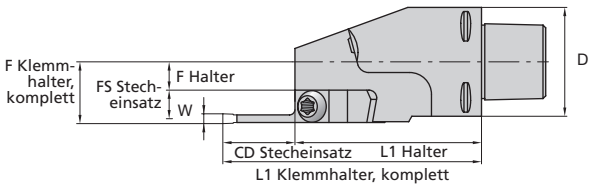
F Klemmhalter, komplett = F (Halter) + FS (Stecheinsatz) + W/2
L1 (Klemmhalter, komplett) = L1 (Halter) + CD (Stecheinsatz) + 5,5 mm

KM-KGME-Klemmhalter mit modularem Stecheinsatz



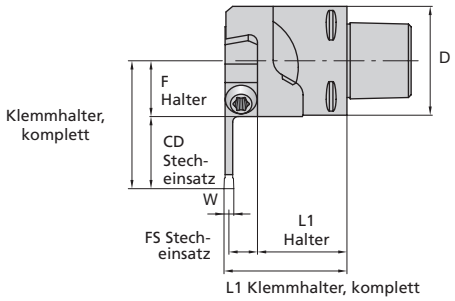
F Klemmhalter, komplett = F (Halter) + CD (Stecheinsatz) + 5,5 mm
L1 (Klemmhalter, komplett) = L1 (Halter) + FS (Stecheinsatz) + W/2

C-KGMS-Klemmhalter mit modularem Stecheinsatz



F Klemmhalter, komplett = F (Halter) + FS (Stecheinsatz) + W/2
L1 (Klemmhalter, komplett) = L1 (Halter) + CD (Stecheinsatz) + 5,5 mm

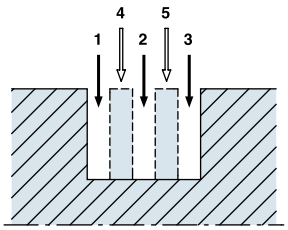
C-KGME-Klemmhalter mit modularem Stecheinsatz



F Klemmhalter, komplett = F (Halter) + CD (Stecheinsatz) + 5,5 mm
L1 (Klemmhalter, komplett) = L1 (Halter) + FS (Stecheinsatz) + W/2

Ist die Einstechbreite größer als die Wendeschneidplattenbreite, sind zwei Verfahren möglich:

1.

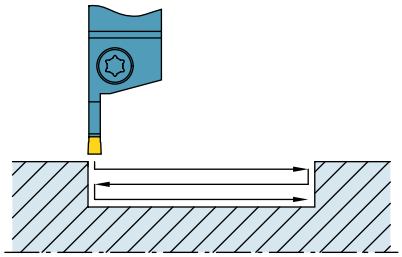


1. Einstechen in mehreren Durchgängen

Verwenden Sie die größtmögliche Wendeschneidplattenbreite, um eine optimale Spankontrolle und Standzeit zu gewährleisten. Beginnen Sie mit den Einstichen 1, 2, 3... und fahren Sie dann mit den Durchgängen 4 und 5 fort.

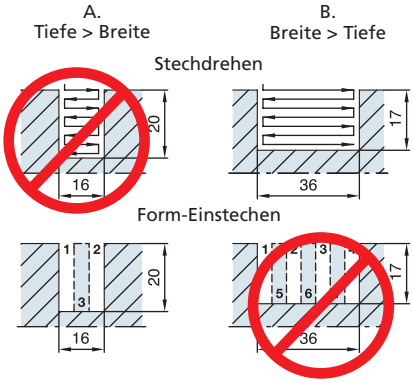
Bei Durchgang 4 und 5 sollte nicht mehr als das 0,8-fache der Wendeschneidplattenbreite abgespant werden.

2.



2. Einstechen und Drehen

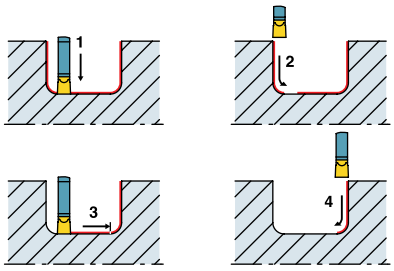
Dies ist das bevorzugte Verfahren bei kleinen und instabilen Werkstücken, da hierdurch Vibrationen beim Axial-Einstechen verhindert werden können. Die Schnitttiefe sollte bei Längsdrehoperationen in der Regel 60 - 70 % der Einstechbreite betragen. Das Drehen in beide Richtungen gewährleistet längere Standzeiten.



Auswahl des am besten geeigneten Verfahrens:

A. Ist die Einstechtiefe größer als die Einstechbreite, dann werden durch das Einstechen in mehreren Durchgängen die besten Ergebnisse erzielt.

B. Ist die Einstechbreite größer als die Einstechtiefe, dann ist das Einstech- und Drehverfahren (Einstech-/Längsdrehen) die einfachere und schnellere Option.



Schlichtdrehen

Beachten Sie beim Schlichten von Innenfasen oder -radien, dass sich der effektive Vorschubwert und Spanquerschnitt verringert (die Zerspanung erfolgt sowohl in radialer als auch in axialer Richtung). Die nebenstehende Abbildung (links) verdeutlicht die empfohlene Vorgehensweise für den letzten Durchgang, um Vibrationen möglichst gering zu halten.

A4 Einsatzempfehlungen für Einstechwerkzeuge

- Wenden Sie stets gute allgemeine Bearbeitungspraktiken an.
- Sorgen Sie für eine möglichst steife Maschine und Werkzeugaufspannung.
- Klemmhalter mit integriertem Schaft bieten die höchste Steifigkeit. Sie sollten möglichst Ihre erste Wahl sein.
- Stellen Sie beim Wechsel von Wendeschneidplatten sicher, dass die neue Platte sicher am formschlüssigen Anschlag des Klemmhalters anliegt.
- Ziehen Sie nie die Spannschraube an, wenn sich keine Wendeschneidplatte im Plattensitz befindet.
- Der Klemmhalter sollte so wenig wie möglich aus dem Werkzeugblock herausragen.
- Die Schneidenhöhe sollte auf der Mitte, oder knapp darüber, liegen.
- Die Verweilzeit am Nutboden sollte weniger als drei Umdrehungen betragen.
- Die empfohlenen Schnittgeschwindigkeiten und Vorschubwerte sind nur ein Ausgangspunkt. Korrigieren Sie diese, je nach Bedarf, um eine optimale Standzeit und Spankontrolle zu erreichen.

Engineering Your Competitive Edge®

A3 Tief-Einstechdrehen ...

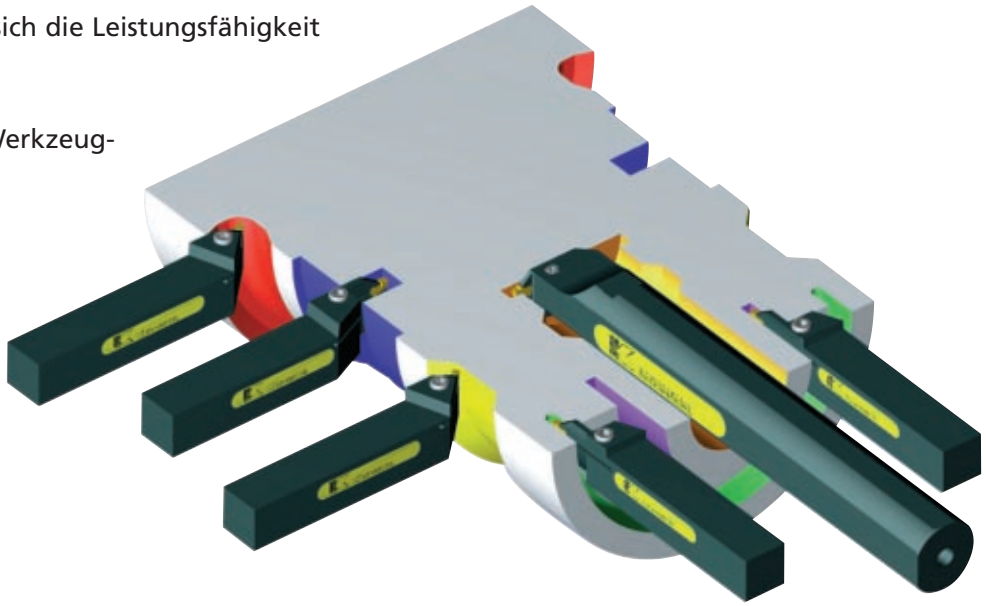


... die beste Wahl für höchste Produktivität bei außergewöhnlicher Anwendungsflexibilität!

- A3 Tief-Einstechwerkzeuge sind mit quadratischen Schafthaltern, KM- und Kennametal Capto-Systemen kompatibel.

- Eine Wendeschneidplatte eignet sich zum:
  - Außen-Einstechdrehen
  - Innen-Einstechdrehen
  - Axial-Einstechdrehen

- Darüber hinaus erhöht sich die Leistungsfähigkeit des A3-Systems durch:
  - TiAlN-Sorten
  - das KENNA PERFECT Werkzeug-Auswahlsystem



KENNA PERFECT – A3 Tief-Einstechdrehen

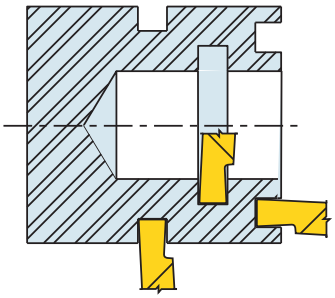
5 einfache Schritte zu höherer Produktivität

Was Sie wissen müssen:

- Einstechtiefe, -breite und -profil
- zu bearbeitender Werkstoff
- Anwendung (Axial-, Außen- oder Inneneinstechen)
- Klemmhalteranforderungen (d. h.: KM, quadratischer Schaft, rechts/links)

1. Schritt – Wahl des Systems anhand der erforderlichen Einstechtiefe

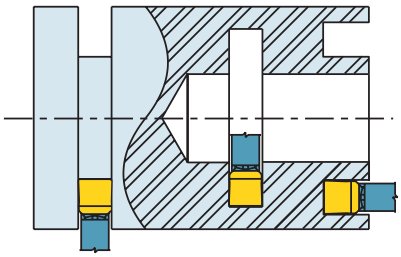
Top Notch



Einstechdrehen

Für Einstechtiefe ≤ 1.5 x Einstechbreite,
siehe Top Notch Einstechdrehen, Seite B8.

A3 oder A4

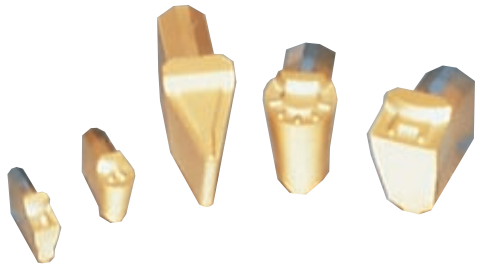


Tief-Einstechdrehen

Für Einstechtiefe ≥ 1.5 x Einstechbreite,

Weiter mit Schritt 2 zum A3 Tiefeinstech-Programm
oder siehe A4 Einstech- & Drehprogramm auf Seite B36.

A3 Tief-Einstechdrehen für tiefe Innen-, Außen- und Axialeinstechanwendungen



Systemeigenschaften

Einstich	min.	max.
Breite	2,25 mm (.087 Zoll)	10,05 mm (.397 Zoll)
Tiefe	–	32 mm (1.260 Zoll)

Durchmesserbereich für Axialeinstiche:
25 mm (.984 Zoll) bis unendlich

2. Schritt – Wählen Sie den Klemmhalter entsprechend der Anwendung aus

Hinweis: Klemmhalter sind sowohl in konventioneller quadratischer Schaftausführung als auch mit Schnellwechselsystem erhältlich.
Wählen Sie für Wendeschneidplatte und Klemmhalter dieselbe Plattensitzgröße.

Innen-Einstechdrehen	–>	siehe Seite B73
Axialeinstechen mit Klemmhaltern mit quadratischem Schaft	–>	siehe Seite B70
Außen-Einstechen mit Klemmhaltern mit quadratischem Schaft	–>	siehe Seite B69
Axial- und Außeneinstechen mit modularen Klemmhaltern	–>	siehe Seiten B74- B81

3. Schritt – Wahl der Spanformstufe und des Vorschubs

DF – Tiefeinstechen, Schlichten



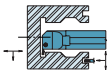
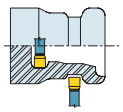
DM – Tiefeinstechen, mittlere Bearbeitung



DR – Tiefeinstechen, Schruppen



Spanformstufe und Vorschub f – mm (in/rev)

Werkstoff und Anwendung	Stahl	Nicht rostender Stahl	Gusseisen	NE-Metalle	Schwer zerspanbare Werkstoffe	Harte Werkstoffe
 Tief-Außeneinstechen	**DM** 0,05 - 0,25 (.002 - .010)	**DF** 0,05 - 0,15 (.002 - .006)	**DM** 0,05 - 0,23 (.002 - .009)	**DF** 0,05 - 0,25 (.002 - .010)	**DF** 0,05 - 0,13 (.002 - .005)	**CBN-Tip auf Anfrage** 0,05 - 0,10 (.002 - .004)
	DF 0,05 - 0,18 (.002 - .007)	–	–	–	–	–
 Axial- & Inneneinstechen	**DF** 0,05 - 0,15 (.002 - .006)	**DF** 0,05 - 0,13 (.002 - .005)	**DM** 0,05 - 0,18 (.002 - .007)	**DF** 0,05 - 0,18 (.002 - .007)	**DF** 0,04 - 0,10 (.0015 - .004)	**CBN-Tip auf Anfrage** 0,05 - 0,10 (.002 - .004)
	–	–	**DF** 0,05 - 0,15 (.002 - .006)	–	–	–
 Profildrehen	**DR** 0,10 - 0,40 (.004 - .015)	**DF** 0,05 - 0,25 (.002 - .010)	**DR** 0,10 - 0,40 (.004 - .015)	**DF** 0,05 - 0,25 (.002 - .010)	**DF** 0,05 - 0,25 (.002 - .010)	**CBN-Tip auf Anfrage** 0,05 - 0,10 (.002 - .004)
	DF 0,05 - 0,25 (.002 - .010)	–	–	–	–	–
	Bei Profildrehoperationen beträgt die empfohlene maximale Schnitttiefe ein Drittel der Wendeschneidplattenbreite.					

HINWEIS: Minimale Vorschubwerte für schmalere Einstiche und höhere Vorschubwerte für breitere Einstiche verwenden. Vorschub entsprechend der Operation erhöhen. Siehe technische Daten für weitere Informationen zur jeweiligen Anwendung.

4. Schritt – Wahl des Schneidstoffes und der Geschwindigkeit

Empfehlungen zur Schneidstoff- und Geschwindigkeitswahl vc – m/min (sfm)

	Werkstoff					
Bearbeitungs-bedingung	**Stahl**	**Nicht rostender Stahl**	**Gusseisen**	**NE-Metalle**	**Schwer zerspanbare Werkstoffe**	**Harte Werkstoffe**
Hochleistung bei optimalen Bedingungen (saubere Schnitte, guter Maschinenzustand, höhere Geschwindigkeit)	**KT315** 100 - 230 (330 - 750)	**KT315** 70 - 170 (230 - 560)	**KC5010** 70 - 220 (230 - 720)	**KC5010** 180 - 850 (590 - 2800)	**KC5010** 10 - 110 (35 - 360)	**KB5625*** 120 - 150 (390 - 500)
	KC5010 60 - 185 (200 - 600)	–	–	–	–	–
Universal (erste Wahl bei allgemeinen Bedingungen)	**KC5025** 60 - 160 (200 - 525)	**KC5010** 50 -140 (160 - 450)	**KC5025** 70 - 150 (230 - 500)	**KC5010** 150 - 730 (500 - 2400)	**KC5025** 10 - 60 (35 - 200)	**KB5625*** 80 - 130 (260 - 425)
ungünstige Bedingungen (Schruppen, schlechter Maschinenzustand, Schnittunterbrechungen, niedrige Geschwindigkeit)	**KC5025** 50 - 110 (160 - 360)	**KC5025** 40 - 90 (130 - 300)	**KC5025** 25 - 140 (80 - 450)	**KC5025** 60 - 305 (200 - 1000)	**KC5025** 10 - 46 (35 - 150)	**KC5010** 10-35 (35-115)
	–	–	–	**KMF** 60 - 200 (200 - 650)	**KMF** 10 - 30 (35 - 100)	–

*HINWEIS: Wendeschneidplatten mit PCBN-Tip in KB5625 sind auf Anfrage erhältlich.

5. Schritt – Auswahl von Wendeschneidplatte und Halter auf Katalogseiten

Hinweis: Die Sitzgröße und Stechbreite der Wendeschneidplatte muss mit der Plattensitzgröße und Stechbreite des gewählten Klemmhalters übereinstimmen.

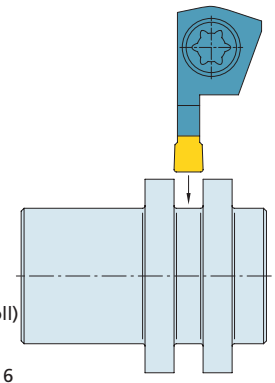
Beispiel für A3 – Tief-Einstechdrehen:

Werkstoff : niedrig legierte Stähle
Einstechtiefe : 12 mm (.5 Zoll)
Einstechbreite : 6,35 mm (.250 Zoll)
glatter Schnitt

Empfehlung:

Wendeschneidplatte : A3G250I06P1DF
Schneidstoffsorte : KC5010
Wendeschneidplattenbreite : 6,35 mm (.250 Zoll)
Wendeschneidplattengröße: 6

Klemmhalter : A3SML2525M0616
Einstechtiefe : 16 mm (.630 Zoll)
Plattensitzgröße: 6



Geschwindigkeit: 180 m/min (570 sfm)
Einstechvorschub : 0,15 mm (.008 ipr)

Herzlichen Glückwunsch!

Durch die Auswahl der für Ihre Anwendung am besten geeigneten A3 Spanformstufe, Schneidstoffsorte und Schnitteigenschaften ist es Ihnen gelungen, Ihre Produktivität zu maximieren!

A3 Wendeschneidplatten-Kennzeichnungssystem

Tief-Einstechdrehen

1. Programmtyp	2. Schneidplattenform	3. Einstechbreite	4. Einheiten	5. Schneidplattengröße	6. Toleranz	7. Eckenradien	8. Spanformstufe
A3	G	0400	M	04	P	02	DF

1. Programmtyp

A3 Tief-Einstechdrehen

2. Schneidplattenform

G = quadratisch
R = Vollradius
V = V-Form 35°

3. Einstechbreite

Maße in
.001 Zoll
oder 1/100 mm
0000 für
V-Form

4. Einheiten

I = Zoll
M = metrisch

5. Schneidplattengröße

03
(*)3S
04
(*)4S
05
06
08
10

6. Toleranz

P = präzisionsgeschliffen
Einstechbreitentoleranz:
±0,025 mm (.001 Zoll)

U = am Umfang abgepresst
Einstechbreitentoleranz:

3,05-4,05: $\frac{+0{,}15\text{ mm}}{-0}$ $\frac{(+.006\text{ Zoll})}{-0}$

5,05-10,05: $\frac{+0{,}25\text{ mm}}{-0}$ $\frac{(+.010\text{ Zoll})}{-0}$

7. Eckenradien

Zoll	metrisch
0	01
05 = .008	02
1 = .016	04
2 = .032	08
3 = .047	12
4 = .062	16

Vollradius = 00

8. Spanformstufe

DF = Tiefeinstechen, Schlichten
DM = Tiefeinstechen, mittlere Bearbeitung
DR = Tiefeinstechen, Schruppen

(*) 3S/4S kennzeichnet eine Wendeschneidplatte kleiner Größe zum Axialeinstechen kleiner Durchmesser.



	Platten-sitzgröße	W Zoll	W mm	Katalognummer	Abmessungen RR Zoll	RR mm	RC Zoll	RC mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	M KT315	M KC5010	M KC5025	K KC5010	K KC5025	N KMF	N KC5010	N KC5025	S KMF	S KC5010	S KC5025	H KC5010
A3G-P-DF	3	.118	3,0	**A3G0300M03P02DF**	.008	0,2	-	-	.138	3,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	3	.118	3,0	**A3G0300M03P04DF**	.016	0,4	-	-	.138	3,5			●			●		●			●			●	
	4	.157	4,0	**A3G0400M04P02DF**	.008	0,2	-	-	.138	3,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	4	.157	4,0	**A3G0400M04P04DF**	.016	0,4	-	-	.138	3,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	4	.157	4,0	**A3G0400M04P08DF**	.032	0,8	-	-	.138	3,5			●			●		●			●			●	
	5	.197	5,0	**A3G0500M05P02DF**	.008	0,2	-	-	.177	4,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	5	.197	5,0	**A3G0500M05P04DF**	.016	0,4	-	-	.177	4,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	5	.197	5,0	**A3G0500M05P08DF**	.032	0,8	-	-	.177	4,5			●			●		●			●			●	
	6	.236	6,0	**A3G0600M06P04DF**	.016	0,4	-	-	.177	4,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	6	.236	6,0	**A3G0600M06P08DF**	.032	0,8	-	-	.177	4,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	6	.236	6,0	**A3G0600M06P12DF**	.047	1,2	-	-	.177	4,5			●			●		●			●			●	
	8	.315	8,0	**A3G0800M08P04DF**	.016	0,4	-	-	.236	6,0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	8	.315	8,0	**A3G0800M08P08DF**	.032	0,8	-	-	.236	6,0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
A3R-P-DF	3	.118	3,0	**A3R0300M03P00DF**	-	-	.059	1,5	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	4	.157	4,0	**A3R0400M04P00DF**	-	-	.079	2,0	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	5	.197	5,0	**A3R0500M05P00DF**	-	-	.098	2,5	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	6	.236	6,0	**A3R0600M06P00DF**	-	-	.118	3,0	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	8	.315	8,0	**A3R0800M08P00DF**	-	-	.158	4,0	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
A3G-P-DF Axialeinstechen*	3S	.118	3,0	**A3G0300M3SP02DF**	.008	0,2	-	-	.138	3,5		●	●		●	●	●	●		●	●		●	●	●
	3S	.118	3,0	**A3G0300M3SP04DF**	.016	0,4	-	-	.138	3,5		●	●		●	●	●	●		●	●		●	●	●
	4S	.157	4,0	**A3G0400M4SP02DF**	.008	0,2	-	-	.138	3,5		●	●		●	●	●	●		●	●		●	●	●
	4S	.157	4,0	**A3G0400M4SP04DF**	.016	0,4	-	-	.138	3,5		●	●		●	●	●	●		●	●		●	●	●
	4S	.157	4,0	**A3G0400M4SP08DF**	.032	0,8	-	-	.138	3,5		●	●		●	●	●	●		●	●		●	●	●
A3R-P-DF Axialeinstechen*	3S	.118	3,0	**A3R0300M3SP00DF**	-	-	.059	1,5	-	-		●	●		●	●	●	●		●	●		●	●	●
	4S	.157	4,0	**A3R0400M4SP00DF**	-	-	.079	2,0	-	-		●	●		●	●	●	●		●	●		●	●	●

* Axialeinstechen kleiner Durchmesser 25 bis 60 mm (.98 bis 2.36 Zoll)

Bestellbeispiel:
Katalognummer : A3G0300M03P02DF
Schneidstoffsorte : KT315

A3 Tief-Einstechplatten

Abgepresst, metrische Breite

	Plattensitzgröße	W Zoll	W mm	Katalognummer	Abmessungen RR Zoll	RR mm	RC Zoll	RC mm	T Zoll	T mm	KENNA PERFECT P KT315	P KC5010	P KC5025	M KT315	M KC5010	M KC5025	K KC5010	K KC5025	N KMF	N KC5010	N KC5025	S KMF	S KC5010	S KC5025	H KC5010
A3G-U-DM	3	.120	3,05	**A3G0305M03U02DM**	.008	0,2	-	-	.138	3,5	●		●	●		●		●			●			●	
	4	.159	4,05	**A3G0405M04U02DM**	.008	0,2	-	-	.138	3,5	●		●	●		●		●			●			●	
	5	.199	5,05	**A3G0505M05U02DM**	.008	0,2	-	-	.177	4,5	●		●	●		●		●			●			●	
	6	.238	6,05	**A3G0605M06U04DM**	.016	0,4	-	-	.177	4,5	●		●	●		●		●			●			●	
	8	.317	8,05	**A3G0805M08U04DM**	.016	0,4	-	-	.236	6,0	●		●	●		●		●			●			●	
	10	.396	10,05	**A3G1005M10U05DM**	.020	0,5	-	-	.236	6,0			●			●		●	●		●	●		●	
A3R-U-DR	3	.120	3,05	**A3R0305M03U00DR**	-	-	.060	1,5	-	-	●		●	●		●		●			●			●	
	4	.159	4,05	**A3R0405M04U00DR**	-	-	.080	2,0	-	-	●		●	●		●		●			●			●	
	5	.199	5,05	**A3R0505M05U00DR**	-	-	.099	2,5	-	-	●		●	●		●		●			●			●	
	6	.238	6,05	**A3R0605M06U00DR**	-	-	.119	3,0	-	-	●		●	●		●		●			●			●	
	8	.317	8,05	**A3R0805M08U00DR**	-	-	.158	4,0	-	-	●		●	●		●		●			●			●	
A3V-U-DM*	4	-	-	**A3V0000M04U02DM**	.008	0,2			.236	6,0	●		●	●		●		●			●			●	
	8	-	-	**A3V0000M08U08DM**	.032	0,8			.433	11,0	●		●	●		●		●			●			●	

*HINWEIS: Wendeschneidplatte A3V-U-DM kann nur in Klemmhalter A3US... oder A3PS... verwendet werden, siehe Seite B71

Bestellbeispiel:
Katalognummer : A3G0305M03U02DM
Schneidstoffsorte : KT315

	Platten-sitzgröße	W		Katalognummer	Abmessungen RR		RC		T		KENNA PERFECT P			M			K		N			S			H
		Zoll	mm		Zoll	mm	Zoll	mm	Zoll	mm	KT315	KC5010	KC5025	KT315	KC5010	KC5025	KC5010	KC5025	KMF	KC5010	KC5025	KMF	KC5010	KC5025	KC5010
A3G-P-DF	3	.093	2,36	**A3G093I03P05DF**	.008	0,2	-	-	.138	3,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	3	.125	3,18	**A3G125I03P05DF**	.008	0,2	-	-	.138	3,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	4	.125	3,18	**A3G125I04P05DF**	.008	0,2	-	-	.138	3,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	5	.187	4,75	**A3G187I05P05DF**	.008	0,2	-	-	.177	4,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	6	.218	5,54	**A3G218I06P1DF**	.016	0,4	-	-	.177	4,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	6	.218	5,54	**A3G218I06P2DF**	.032	0,8	-	-	.177	4,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	6	.250	6,35	**A3G250I06P1DF**	.016	0,4	-	-	.177	4,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	6	.250	6,35	**A3G250I06P2DF**	.032	0,8	-	-	.177	4,5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	8	.250	6,35	**A3G250I08P1DF**	.016	0,4	-	-	.236	6,0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	8	.250	6,35	**A3G250I08P2DF**	.032	0,8	-	-	.236	6,0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	8	.312	7,93	**A3G312I08P1DF**	.016	0,4	-	-	.236	6,0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	8	.312	7,93	**A3G312I08P2DF**	.032	0,8	-	-	.236	6,0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
A3R-P-DF	3	.093	2,36	**A3R093I03P00DF**	-	-	.047	1,2	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	3	.125	3,18	**A3R125I03P00DF**	-	-	.063	1,6	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	4	.125	3,18	**A3R125I04P00DF**	-	-	.063	1,6	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	5	.187	4,75	**A3R187I05P00DF**	-	-	.094	2,4	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	6	.218	5,54	**A3R218I06P00DF**	-	-	.109	2,8	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	6	.250	6,35	**A3R250I06P00DF**	-	-	.125	3,2	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	8	.250	6,35	**A3R250I08P00DF**	-	-	.125	3,2	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	8	.312	7,93	**A3R312I08P00DF**	-	-	.156	4,0	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
A3G-P-DF Axialeinstechen*	3S	.125	3,18	**A3G125I3SP05DF**	.008	0,2	-	-	.138	3,5			●			●		●			●			●	
A3R-P-DF Axialeinstechen *	3S	.125	3,18	**A3R125I3SP00DF**	-	-	.063	1,6	.138	3,5			●			●		●			●			●	

* Axialeinstechen kleiner Durchmesser 25 bis 60 mm (.98 bis 2.36 Zoll)

Bestellbeispiel:
Katalognummer : **A3G093I03P05DF**
Schneidstoffsorte : **KT315**

A3 Klemmhalter-Kennzeichnungssystem

Tief-Einstechdrehen



	1. A3 Halter mit Schrauben-klemmung	2. Werkzeugausführung		3. Stecheinsatz-Ausführung	4. Richtung des Werkzeugs	5. Schaftgröße	6. Plattensitzgröße	7. max. Stechtiefe (in Millimeter)	8. Axialeinstech-Durchmesser (optional)
METRISCH	A3	S	S	R		2525M	03	26	
ZOLL						16			

Zollgrößen: bei quadratischen Schäften gibt die Zahl die Höhe und Breite in Sechzehntelzollschritten an (rechteckige Schäfte: 1. Ziffer = Breite in Achtelzollschritten, 2. Ziffer = Höhe in Viertelzollschritten)

metrisch: Höhe x Breite in mm; der Buchstabe kennzeichnet die Werkzeuglänge gemäß ISO

metrische Werkzeuglänge (mm)

J = 110 K = 125 M = 150 P = 170 X = sonstige Länge

2. Werkzeugausführung

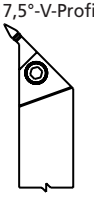
S = gerade



D = 45°-Profildrehen



U = 93°-V-Profildrehen
P = 117,5°-V-Profildrehen



3. Stecheinsatz-Ausführung

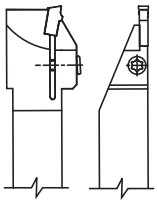
S = Standardunterbau für zahlreiche Stechbreiten und gerade Schneidenform für unbegrenzte Werkstückdurchmesser



M = maximaler Unterbau für spezielle Stechbreiten und gerade Schneidenform für unbegrenzte Werkstückdurchmesser



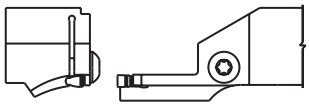
C = verstärkter, maximaler Unterbau mit abgerundeter Schneidenform



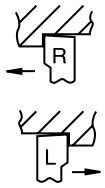
A = Axial-Einstechhalter nach innen gewölbt



B = Axial-Einstechhalter nach außen gewölbt



4. Richtung des Werkzeugs



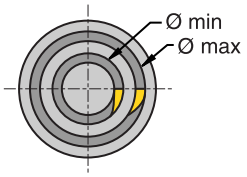
R = rechts
L = links
N = neutral

6. Plattensitzgröße

Plattensitzgröße	Stechbreite (mm)
03	3,05
04/4S	4,05
05	5,05
06	6,05
08	8,05
10	10,05

8. Axialeinstech-Durchmesser (optional)

Ø min – Ø max



Halteroptionen mit Schraubenklemmung



Beispiel:
A3SCR 2525 M0316
(Seite B93)

abgerundete Schneidenform

A2-Wendeschneidplatten können in allen A3-Klemmhaltern verwendet werden.
Verstärkter C-Klemmhalter mit maximalem Unterbau und abgerundeter Schneidenform

- maximaler Unterbau für Abstechoperationen
- für das Abstechen zur Mitte oder kleine Durchgangsbohrungen
- auch für A3-Tiefeinstechoperationen ideal geeignet



Beispiel:
A3SMR 2525 M0316

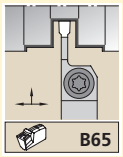
gerade Schneidenform

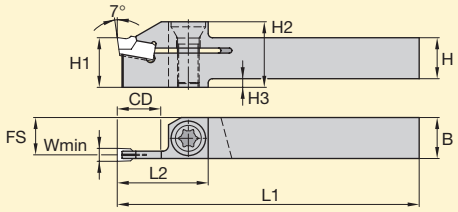
Klemmhalter in S-Ausführung mit Standardunterbau und gerader Schneidenform

- für größtmögliche Flexibilität
- unbegrenzte Durchmesser bei Abstechanwendungen mit Durchgangsbohrung
- schmalere Stecheinsatzbreite ermöglicht volle Flexibilität bei der Stechplattenbreite für A3-Tiefeinstechoperationen
- bestimmte modulare Klemmhalter und Klemmhalter mit integriertem Schaft in M-Ausführung sind auch mit gerader Schneidenform erhältlich

HINWEIS: A2-Wendeschneidplatten können in A3-Haltern mit gleichen Plattensitzgrößen verwendet werden. Anzugsmomentempfehlung für Spannschraube auf Seite E53.

A3SS





Platten sitz-größe	CD	Katalognummer Rechts/Links	Wmin	H	B	FS	L1	L2	H1	H2	H3	Schraube für Spann-element	Torx
3	10	**A3SM R/L 1616J0310**	3,00	16	16	14,80	110	23	16	25	4	**MS1944**	**T25**
3	16	**A3SM R/L 1616J0316**	3,00	16	16	14,80	110	30	16	27	4	**MS1944**	**T25**
3	10	**A3SM R/L 2020K0310**	3,00	20	20	18,80	125	23	20	25	-	**MS1944**	**T25**
3	16	**A3SM R/L 2020K0316**	3,00	20	20	18,80	125	30	20	27	-	**MS1944**	**T25**
3	10	**A3SM R/L 2525M0310**	3,00	25	25	23,80	150	23	25	30	-	**MS1944**	**T25**
3	16	**A3SM R/L 2525M0316**	3,00	25	25	23,80	150	30	25	32	-	**MS1944**	**T25**
4	10	**A3SM R/L 1616J0410**	4,00	16	16	14,30	110	23	16	25	4	**MS1944**	**T25**
4	16	**A3SM R/L 1616J0416**	4,00	16	16	14,30	110	30	16	27	4	**MS1944**	**T25**
4	10	**A3SM R/L 2020K0410**	4,00	20	20	18,30	125	23	20	25	-	**MS1944**	**T25**
4	16	**A3SM R/L 2020K0416**	4,00	20	20	18,30	125	30	20	27	-	**MS1944**	**T25**
4	26	**A3SM R/L 2020K0426**	4,00	20	20	18,30	125	42	20	27	-	**MS1595**	**T30**
4	10	**A3SM R/L 2525M0410**	4,00	25	25	23,30	150	23	25	30	-	**MS1944**	**T25**
4	16	**A3SM R/L 2525M0416**	4,00	25	25	23,30	150	30	25	32	-	**MS1944**	**T25**
4	26	**A3SM R/L 2525M0426**	4,00	25	25	23,30	150	43	25	32	-	**MS1595**	**T30**
5	16	**A3SM R/L 2020K0516**	5,00	20	20	17,80	125	33	20	27	-	**MS1595**	**T30**
5	16	**A3SM R/L 2525M0516**	5,00	25	25	22,80	150	33	25	32	-	**MS1595**	**T30**
5	26	**A3SM R/L 2525M0526**	5,00	25	25	22,80	150	43	25	32	-	**MS1595**	**T30**
5	16	**A3SM R/L 3225P0516**	5,00	32	25	22,80	170	32	32	39	-	**MS1595**	**T30**
5	26	**A3SM R/L 3225P0526**	5,00	32	25	22,80	170	42	32	39	-	**MS1595**	**T30**
5	32	**A3SM R/L 3225P0532**	5,00	32	25	22,80	170	52	32	39	-	**MS1595**	**T30**
6	16	**A3SM R/L 2020K0616**	6,00	20	20	17,30	125	32	20	27	-	**MS1595**	**T30**
6	16	**A3SM R/L 2525M0616**	6,00	25	25	22,30	150	32	25	32	-	**MS1595**	**T30**
6	26	**A3SM R/L 2525M0626**	6,00	25	25	22,30	150	42	25	32	-	**MS1595**	**T30**
6	16	**A3SM R/L 3225P0616**	6,00	32	25	22,30	170	32	32	39	-	**MS1595**	**T30**
6	26	**A3SM R/L 3225P0626**	6,00	32	25	22,30	170	42	32	39	-	**MS1595**	**T30**
6	32	**A3SM R/L 3225P0632**	6,00	32	25	22,30	170	52	32	39	-	**MS1595**	**T30**
8	16	**A3SM R/L 2525M0816**	8,00	25	25	21,30	150	42	25	33	-	**MS1875**	**T45**
8	26	**A3SM R/L 2525M0826**	8,00	25	25	21,30	150	50	25	33	-	**MS1875**	**T45**
8	32	**A3SM R/L 3232P0832**	8,00	32	32	28,30	170	53	32	40	-	**MS1875**	**T45**
10	32	**A3SM R/L 3232P1032**	10,00	32	32	27,80	170	58	32	40	-	**MS1875**	**T45**

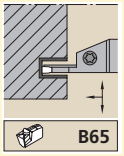
HINWEIS: Wendeschneidplatten mit Plattensitzgröße 4 können innerhalb des Stechbreitenbereichs in Klemmhaltern mit Plattensitzgröße 3 und 4 verwendet werden.
Wendeschneidplatten mit Plattensitzgröße 6 können innerhalb des Stechbreitenbereichs in Klemmhaltern mit Plattensitzgröße 5 und 6 verwendet werden.
Wendeschneidplatten mit Plattensitzgröße 8 können innerhalb des Stechbreitenbereichs in Klemmhaltern mit Plattensitzgröße 8 und 10 verwendet werden.
Wählen Sie den Klemmhalter mit der größeren Plattensitzgröße für eine optimale Leistung.

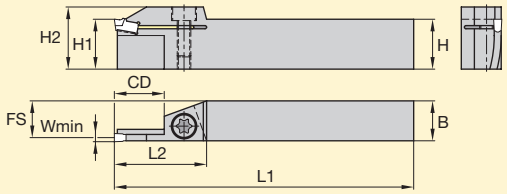
Bestellbeispiel :
Rechts: A3SMR1616J0310 
Links: A3SML1616J0310 

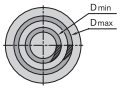
A3 Tief-Einstechdrehen – Klemmhalter

Axial-Einstechdrehen

A3SA

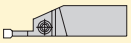
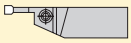






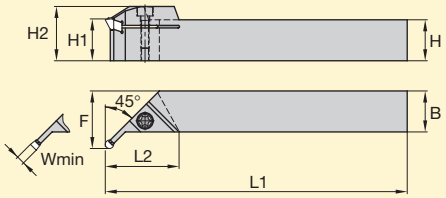
Plattensitzgröße	CD	Dmin	Dmax	Katalognummer Rechts/Links	Wmin	H	B	FS	L1	L2	H1	H2	Schraube für Spannelement	Torx
4	25	60	75	A3SA R/L 2020M0425-060-075	4,00	20	20	18,84	150	42	20	30	MS1595	T30
4	25	60	75	A3SA R/L 2520M0425-060-075	4,00	25	20	18,84	150	42	25	30	MS1595	T30
4	25	75	100	A3SA R/L 2020M0425-075-100	4,00	20	20	18,84	150	42	20	30	MS1595	T30
4	25	75	100	A3SA R/L 2520M0425-075-100	4,00	25	20	18,84	150	42	25	30	MS1595	T30
4	25	100	180	A3SA R/L 2020M0425-100-180	4,00	20	20	18,84	150	42	20	30	MS1595	T30
4	25	100	180	A3SA R/L 2520M0425-100-180	4,00	25	20	18,84	150	42	25	30	MS1595	T30
4	25	180	250	A3SA R/L 2020M0425-180-250	4,00	20	20	18,84	150	42	20	30	MS1595	T30
4	25	180	250	A3SA R/L 2520M0425-180-250	4,00	25	20	18,84	150	42	25	30	MS1595	T30
4	25	250	350	A3SA R/L 2020M0425-250-350	4,00	20	20	18,84	150	42	20	30	MS1595	T30
4	25	250	350	A3SA R/L 2520M0425-250-350	4,00	25	20	18,84	150	42	25	30	MS1595	T30
4	25	350	-	A3SA R/L 2020M0425-350-999	4,00	20	20	18,84	150	42	20	30	MS1595	T30
4	25	350	-	A3SA R/L 2520M0425-350-999	4,00	25	20	18,84	150	42	25	30	MS1595	T30
4S	10	25	30	A3SA R/L 2020M4S10-025-030	4,00	20	20	18,84	150	42	20	30	MS1595	T30
4S	10	25	30	A3SA R/L 2520M4S10-025-030	4,00	25	20	18,84	150	42	25	30	MS1595	T30
4S	10	30	35	A3SA R/L 2020M4S10-030-035	4,00	20	20	18,84	150	42	20	30	MS1595	T30
4S	10	30	35	A3SA R/L 2520M4S10-030-035	4,00	25	20	18,84	150	42	25	30	MS1595	T30
4S	20	35	40	A3SA R/L 2020M4S20-035-040	4,00	20	20	18,84	150	42	20	30	MS1595	T30
4S	20	35	40	A3SA R/L 2520M4S20-035-040	4,00	25	20	18,84	150	42	25	30	MS1595	T30
4S	25	40	50	A3SA R/L 2020M4S25-040-050	4,00	20	20	18,84	150	42	20	30	MS1595	T30
4S	25	40	50	A3SA R/L 2520M4S25-040-050	4,00	25	20	18,84	150	42	25	30	MS1595	T30
4S	25	50	60	A3SA R/L 2020M4S25-050-060	4,00	20	20	18,84	150	42	20	30	MS1595	T30
4S	25	50	60	A3SA R/L 2520M4S25-050-060	4,00	25	20	18,84	150	42	25	30	MS1595	T30
5+6	25	60	75	A3SA R/L 2020M0525-060-075	5,00	20	20	17,94	150	42	20	30	MS1595	T30
5+6	25	60	75	A3SA R/L 2520M0525-060-075	5,00	25	20	17,94	150	42	25	30	MS1595	T30
5+6	30	75	100	A3SA R/L 2020M0530-075-100	5,00	20	20	17,94	150	47	20	30	MS1595	T30
5+6	30	75	100	A3SA R/L 2520M0530-075-100	5,00	25	20	17,94	150	47	25	30	MS1595	T30
5+6	30	100	180	A3SA R/L 2020M0530-100-180	5,00	20	20	17,94	150	47	20	30	MS1595	T30
5+6	30	100	180	A3SA R/L 2520M0530-100-180	5,00	25	20	17,94	150	47	25	30	MS1595	T30
5+6	30	180	250	A3SA R/L 2020M0530-180-250	5,00	20	20	17,94	150	47	20	30	MS1595	T30
5+6	30	180	250	A3SA R/L 2520M0530-180-250	5,00	25	20	17,94	150	47	25	30	MS1595	T30
5+6	30	250	350	A3SA R/L 2020M0530-250-350	5,00	20	20	17,94	150	47	20	30	MS1595	T30
5+6	30	250	350	A3SA R/L 2520M0530-250-350	5,00	25	20	17,94	150	47	25	30	MS1595	T30
5+6	30	350	-	A3SA R/L 2020M0530-350-999	5,00	20	20	17,94	150	47	20	30	MS1595	T30

NOTE: Empfohlenes Drehmoment siehe Seite E53

Bestellbeispiel:
Rechts: **A3SAR2020M0425-060-075** 
Links: **A3SAL2020M0425-060-075** 

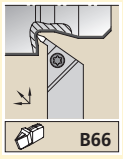
A3DS

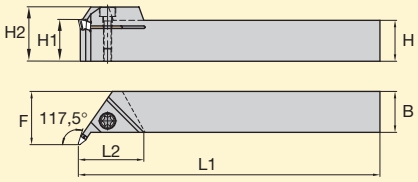




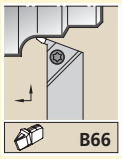
Plattensitzgröße	Wmin	Katalognummer Rechts/Links	H	B	F	L1	L2	H1	H2	Schraube für Spannelement	Torx
3+4	3,00	**A3DS R/L 1616J04**	16	16	22,00	110	34	16	23	**MS1944**	T25
3+4	3,00	**A3DS R/L 2020K04**	20	20	26,00	125	33	20	27	**MS1944**	T25
5+6	5,00	**A3DS R/L 2525M06**	25	25	31,00	150	40	25	32	**MS1595**	T30
8	8,00	**A3DS R/L 3232P08**	32	32	41,00	170	48	32	40	**MS1595**	T30

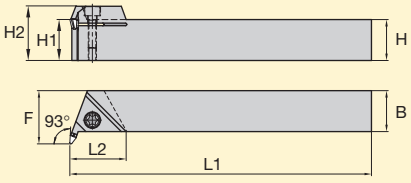
A3PS





A3US



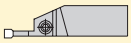


Plattensitzgröße*	Katalognummer Rechts/Links	H	B	F	L1	L2	H1	H2	Schraube für Spannelement	Torx
4	**A3PS R/L 2020K04**	20	20	25,00	125	34	20	27	**MS1595**	T30
4	**A3PS R/L 2525M04**	25	25	32,00	150	34	25	32	**MS1595**	T30
8	**A3PS R/L 2525M08**	25	25	32,00	150	50	25	33	**MS1875**	T45
8	**A3PS R/L 3225P08**	32	25	32,00	170	50	32	40	**MS1875**	T45
4	**A3US R/L 2525M04**	25	25	32,00	150	40	25	32	**MS1595**	T30
8	**A3US R/L 3225P08**	32	25	32,00	170	50	32	40	**MS1875**	T45

NOTE: Empfohlenes Drehmoment für Spannschrauber siehe Seite E53

*HINWEIS: Nur Wendeschneidplatte A3V-U-DM kann eingesetzt werden.

Bestellbeispiel :
Rechts: **A3DSR1604**

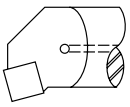


Links: **A3DSL1604**



A3 Kennzeichnungssystem für Bohrstangen

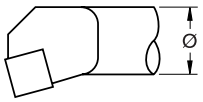
Tief-Einstechdrehen



1. Stahlbohrstange mit Kühlung

A

2. Bohrstangen-durchmesser



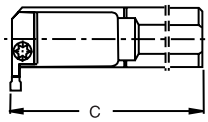
Stangen in Zollgrößen:
Eine zweistellige Zahl, die den Stangendurchmesser in Sechzehntelzollschritten angibt.
Metrische Stangen:
Stangendurchmesser in mm

16

4. A3-System

R A3

2. Bohrstangen-durchmesser



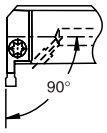
Stangen in Zollgrößen:
R = 8 Zoll
S = 10 Zoll
T = 12 Zoll
Metrische Stangen:
R = 200 mm
S = 250 mm
T = 300 mm

6. Stecheinsatz-Ausführung

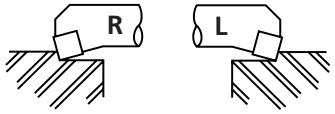
E S

S = Standardunterbau für zahlreiche Stechbreiten

5. Werkzeug-ausführung



E = Kopfmontage (90 Grad)



7. Richtung des Werkzeugs

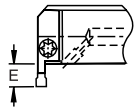
R

8. Plattensitzgröße

Plattengröße	Stechbreite (mm)
03	2,25 - 3,05
04	3,05 - 4,05
05	4,05 - 5,05
06	5,05 - 6,05
08	6,05 - 8,05

03

9. Einstechtiefe in mm



Umrechnungstabelle: Zoll
5 mm = .20
8 mm = .32
10 mm = .39
12 mm = .47
15 mm = .59

05

M – metrisch
N – Zoll

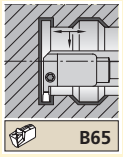
10. Maß-Einheiten

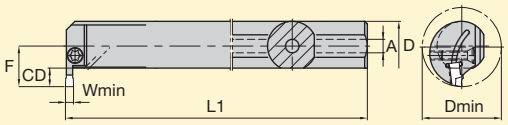
N



HINWEIS: Anzugsmomentempfehlung für Spannschraube auf Seite E53

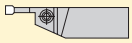
A-A3E





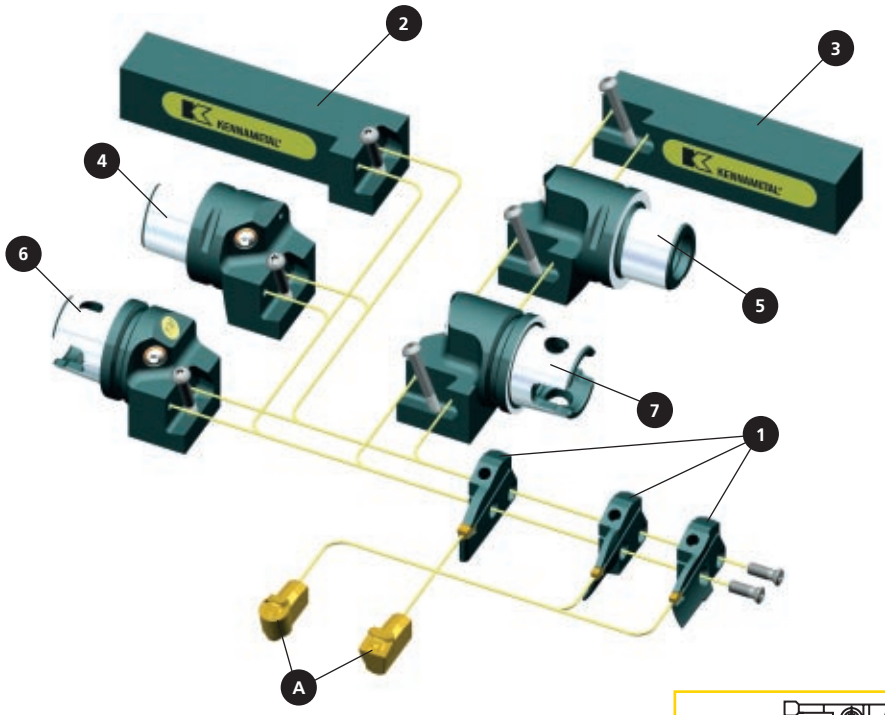
Stahlschaft mit Innenkühlung

Platten-sitz-größe	CD	Katalognummer Rechts/Links	Wmin	Dmin	D	F	L1	A	Schraube für Stech-platten	Torx
3	5,0	**A25RA3ES R/L 0305M**	2,20	32	25	18,5	200	7	**MS1571**	T20
3	5,0	**A32SA3ES R/L 0305M**	2,20	45	32	22,0	250	10	**MS1571**	T20
3+4	8,0	**A25RA3ES R/L 0408M**	3,00	40	25	20,5	200	7	**MS1571**	T20
3+4	8,0	**A32SA3ES R/L0408M**	3,00	48	32	25,0	250	10	**MS1571**	T20
3+4	8,0	**A40TA3ES R/L 0408M**	3,00	56	40	28,0	300	10	**MS1571**	T20
5	10,0	**A32SA3ES R/L 0510M**	4,00	45	32	26,0	250	10	**MS1162**	T25
5	10,0	**A40TA3ES R/L0510M**	4,00	60	40	30,0	300	10	**MS1162**	T25
5+6	12,0	**A32SA3ES R/L 0612M**	5,00	45	32	28,0	250	10	**MS1162**	T25
5+6	12,0	**A40TA3ES R/L 0612M**	5,00	64	40	32,0	300	10	**MS1162**	T25
8	15,0	**A40TA3ES R/L 0815M**	6,00	70	40	35,0	300	10	**MS1163**	T30

Bestellbeispiel:
Rechts: **A25RA3ESR0305M** 
Links: **A25LA3ESR0305M** 

A3 Kennzeichnungssystem für modulare Stecheinsätze

Modulare Einstechwerkzeughalter mit integriertem Schaft und Schnellwechselsysteme



Legende		Seite
A	A2/A3-Wendeschneidplatten	B65 - B67 B89 - B91
1	Außen- und Axial-Einstecheinsatz	B75 - B76
2	KGME-Klemmhalter	B77
3	KGMS-Klemmhalter	B77
4	Capto KGME-Werkzeugkopf	B80
5	Capto KGMS-Werkzeugkopf	B80
6	KM KGME-Werkzeugkopf	B79
7	KM KGMS-Werkzeugkopf	B79

Auf Wunsch der Kunden haben Kennametal Inc. und Sandvik Coromant eine Vereinbarung darüber geschlossen, dass beide Firmen KM- und Coromant Capto-Produkte weltweit herstellen, anbieten und vertreiben dürfen. Unter der Marke Kennametal Capto bieten wir eine Vielzahl führender und innovativer Kennametal-Werkzeugkonstruktionen unter Verwendung der Coromant Capto-Trennstelle an.

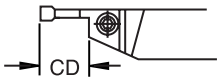
Fertigung und Vermarktung der Kennametal Capto-Produkte und die Verwendung der Marke "Capto" entsprechen einer von Sandvik erteilten Lizenz.

1. A3 System modulare Stecheinsätze	2. Stecheinsatzgröße	3. Richtung des Werkzeugs	4. Plattensitzgröße	5. Einstechtiefe in mm	6. Werkzeugausführung	7. Durchmesserbereich für Axialeinstiche
A3M	50	R	4	26	M	

4. Plattensitzgröße

Plattensitzgröße	Stechbreite (mm)
03/3S	3,05
04/4S	4,05
05	5,05
06	6,05

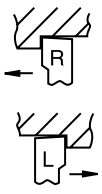
5. Einstechtiefe in mm



Umrechnungstabelle:

mm		Zoll
12 mm	=	.47
16 mm	=	.63
20 mm	=	.79
26 mm	=	1.02
32 mm	=	1.26

3. Richtung des Werkzeugs

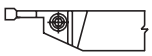


6. Werkzeugausführung

S = Standardunterbau für zahlreiche Stechbreiten und gerade Schneidenform für unbegrenzte Werkstückdurchmesser



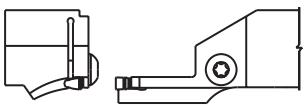
M = maximaler Unterbau für spezielle Stechbreiten und gerade Schneidenform für unbegrenzte Werkstückdurchmesser



A = Axial-Einstechhalter nach innen gewölbt

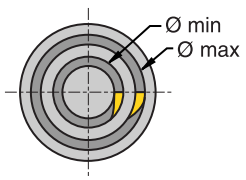


B = Axial-Einstechhalter nach außen gewölbt



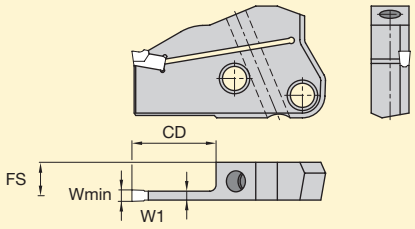
7. Durchmesserbereich für Axialeinstiche

Ø min – Ø max



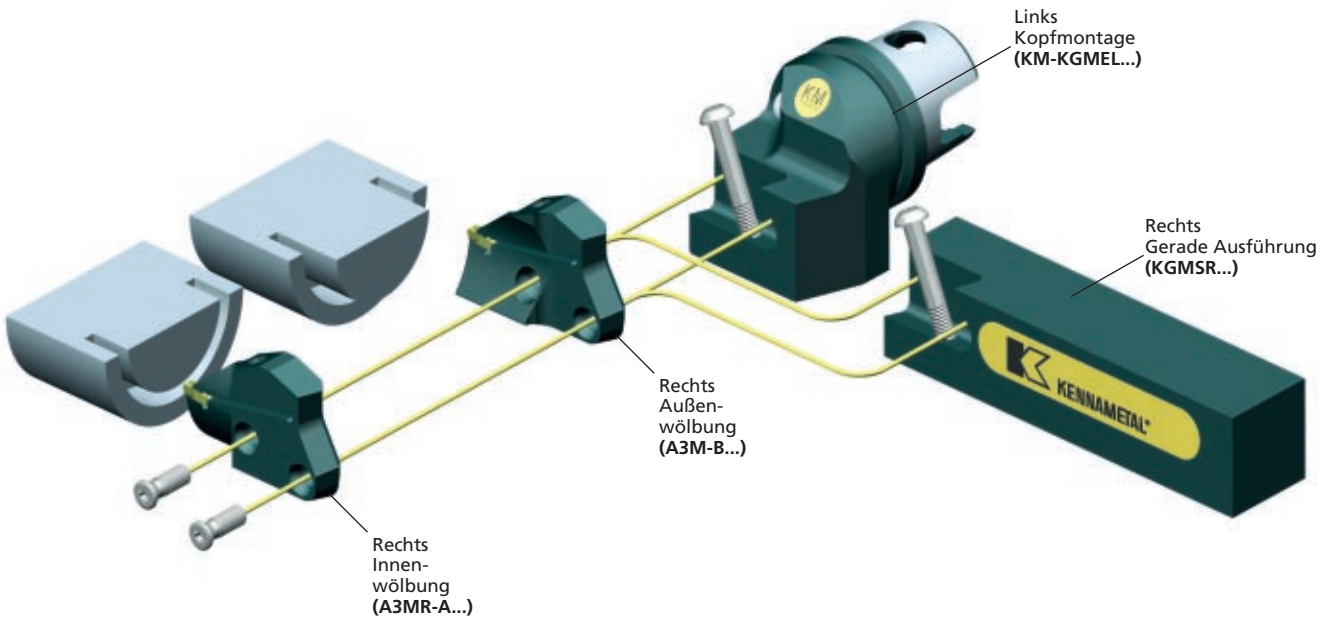
A3M-M



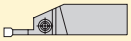


Platten-sitz-größe	CD	Katalognummer Rechts/Links	Wmin	FS	W1	Stechein-satz-größe
3+4	12,0	**A3M50 R/L 312M**	3,00	10,50	2,3	50
3+4	16,0	**A3M50 R/L 316M**	3,00	10,50	2,3	50
3+4	26,0	**A3M50 R/L 326M**	3,00	10,50	2,3	50
4	12,0	**A3M50 R/L 412M**	4,00	10,00	3,3	50
4	16,0	**A3M50 R/L 416M**	4,00	10,00	3,3	50
4	26,0	**A3M50 R/L 426M**	4,00	10,00	3,3	50
4	32,0	**A3M50 R/L 432M**	4,00	10,00	3,3	50
5+6	16,0	**A3M50 R/L 516M**	4,75	9,50	4,3	50
5+6	26,0	**A3M50 R/L 526M**	4,75	9,50	4,3	50
5+6	32,0	**A3M50 R/L 532M**	4,75	9,50	4,3	50
6	16,0	**A3M50 R/L 616M**	6,00	9,00	5,3	50
6	26,0	**A3M50 R/L 626M**	6,00	9,00	5,3	50
6	32,0	**A3M50 R/L 632M**	6,00	9,00	5,3	50

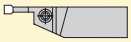
HINWEIS: Wendeschneidplatten mit Plattensitzgröße 4 können innerhalb des Stechbreitenbereichs in Klemmhaltern mit Plattensitzgröße 3 und 4 verwendet werden.
Wendeschneidplatten mit Plattensitzgröße 6 können innerhalb des Stechbreitenbereichs in Klemmhaltern mit Plattensitzgröße 5 und 6 verwendet werden.
Wählen Sie den Klemmhalter mit der größeren Plattensitzgröße für eine optimale Leistung.



Bestellbeispiel :
Rechts: **A3M50R312M**



Links: **A3M50L312M**

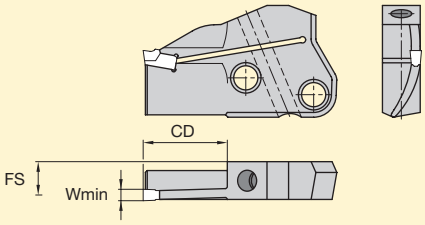


A3 Tief-Einstechdrehen – Modulare Stecheinsätze

Axial-Einstechdrehen

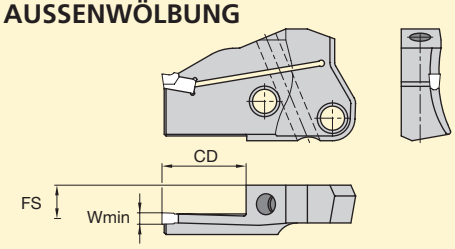
A3M-A INNENWÖLBUNG

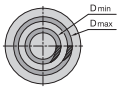




A3M-B AUSSENWÖLBUNG





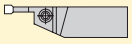


Plattensitzgröße	Dmin	Dmax	Katalognummer Rechts/Links	Wmin	CD	FS	Stecheinsatzgröße
3S	25	30	**A3M50 R/L 312A025030**	3,00	12,0	10,00	50
3S	30	35	**A3M50 R/L 312A030035**	3,00	12,0	10,00	50
3S	35	40	**A3M50 R/L 316A035040**	3,00	16,0	10,00	50
3S	40	50	**A3M50 R/L 316A040050**	3,00	16,0	10,00	50
3S	50	60	**A3M50 R/L 316A050060**	3,00	16,0	10,00	50
4S	25	30	**A3M50 R/L 412A025030**	4,00	12,0	10,00	50
4S	30	35	**A3M50 R/L 412A030035**	4,00	12,0	10,00	50
4S	35	40	**A3M50 R/L 420A035040**	4,00	20,0	10,00	50
4S	40	50	**A3M50 R/L 420A040050**	4,00	20,0	10,00	50
4S	50	60	**A3M50 R/L 420A050060**	4,00	20,0	10,00	50
4	60	75	**A3M50 R/L 426A060075**	4,00	26,0	10,00	50
4	75	100	**A3M50 R/L 426A075100**	4,00	26,0	10,00	50
4	100	180	**A3M50 R/L 426A100180**	4,00	26,0	10,00	50
4	180	250	**A3M50 R/L 426A180250**	4,00	26,0	10,00	50
4	250	350	**A3M50 R/L 426A250350**	4,00	26,0	10,00	50
4	350	-	**A3M50 R/L 426A350999**	4,00	26,0	10,00	50
5+6	60	75	**A3M50 R/L 526A060075**	5,00	26,0	9,50	50
5+6	75	100	**A3M50 R/L 532A075100**	5,00	32,0	9,50	50
5+6	100	180	**A3M50 R/L 532A100180**	5,00	32,0	9,50	50
5+6	180	250	**A3M50 R/L 532A180250**	5,00	32,0	9,50	50
5+6	250	350	**A3M50 R/L 532A250350**	5,00	32,0	9,50	50
5+6	350	-	**A3M50 R/L 532A350999**	5,00	32,0	9,50	50
3S	25	30	**A3M50 R/L 312B025030**	3,00	12,0	10,00	50
3S	30	35	**A3M50 R/L 312B030035**	3,00	12,0	10,00	50
3S	35	40	**A3M50 R/L 316B035040**	3,00	16,0	10,00	50
3S	40	50	**A3M50 R/L 316B040050**	3,00	16,0	10,00	50
3S	50	60	**A3M50 R/L 316B050060**	3,00	16,0	10,00	50
4S	25	30	**A3M50 R/L 412B025030**	4,00	12,0	10,00	50
4S	30	35	**A3M50 R/L 412B030035**	4,00	12,0	10,00	50
4S	35	40	**A3M50 R/L 420B035040**	4,00	20,0	10,00	50
4S	40	50	**A3M50 R/L 420B040050**	4,00	20,0	10,00	50
4S	50	60	**A3M50 R/L 420B050060**	4,00	20,0	10,00	50
4	60	75	**A3M50 R/L 426B060075**	4,00	26,0	10,00	50
4	75	100	**A3M50 R/L 426B075100**	4,00	26,0	10,00	50
4	100	180	**A3M50 R/L 426B100180**	4,00	26,0	10,00	50
4	180	250	**A3M50 R/L 426B180250**	4,00	26,0	10,00	50
4	250	350	**A3M50 R/L 426B250350**	4,00	26,0	10,00	50
4	350	-	**A3M50 R/L 426B350999**	4,00	26,0	10,00	50
5+6	60	75	**A3M50 R/L 526B060075**	5,00	26,0	9,50	50
5+6	75	100	**A3M50 R/L 532B075100**	5,00	32,0	9,50	50
5+6	100	180	**A3M50 R/L 532B100180**	5,00	32,0	9,50	50
5+6	180	250	**A3M50 R/L 532B180250**	5,00	32,0	9,50	50
5+6	250	350	**A3M50 R/L 532B250350**	5,00	32,0	9,50	50
5+6	350	-	**A3M50 R/L 532B350999**	5,00	32,0	9,50	50

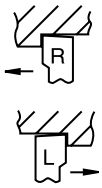
Bestellbeispiel :
Rechts: **A3M50R312A025030**



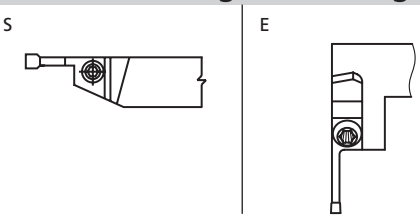
Links: **A3M50L312A025030**

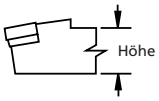


Quadratischer Schaft: Die Zahl gibt den Querschnitt des Klemmhalters in Schritten von Sechzehntelzoll an.
Rechteckiger Schaft: Die erste Ziffer steht für die Anzahl Achtelzoll der Breite und die zweite Ziffer für die Anzahl Viertelzoll der Höhe.

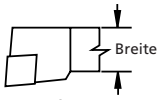


	1. Kennametal Modular-Einstechen	3. Richtung des Werkzeugs	4. Schaft-abmessungen	5. Stech-einsatz-größe	N = Zoll 6. Werkzeug-Einheiten	
ZOLL	KGM	S	16	50	N	
METRISCH			25	25	M	50
	2. Werkzeugausführung		4. Schaft-höhe	5. Schaft-breite	6. Werkzeug-länge	7. Stech-einsatz-größe





Schafthöhe in Millimeter



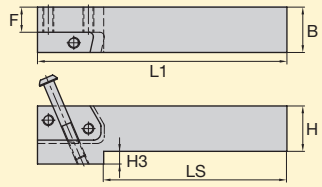
Schaftbreite in Millimeter

Länge über Wendeschneidplatte in einem Stecheinsatz mit einer Abmessung von 12,5 mm D gemäß ISO

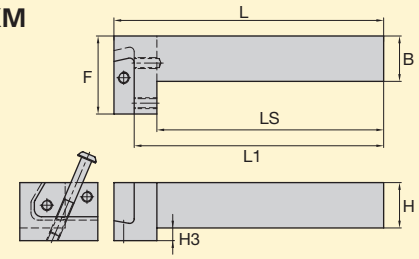
M = 150 mm
P = 170 mm

A3 Tief-Einstechdrehen – Modulare Klemmhalter

KGMS-KM



KGME-KM



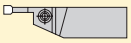
Katalognummer Rechts/Links	Platten-sitzgröße	B	H	L1	F	LS	H3	Spannschraube für Stecheinsatz (2 erford.)	Schraube für Spann-element	Torx
KGMS R/L 2525M50	50	25	25	138,75	13,84	101,25	7,00	**MS-1162**	**MS-2002**	T25
KGMS R/L 3232P50	50	32	32	158,75	20,81	-	-	**MS-1162**	**MS-2002**	T25
KGME R/L 2525M50	50	25	25	139,25	42,75	125,25	6,84	**MS-1162**	**MS-2002**	T25
KGME R/L 3232P50	50	32	32	159,25	42,75	145,25	-	**MS-1162**	**MS-2002**	T25

Hinweis: KGMS..: Für rechte Halter rechte Einsätze verwenden.
KGME..: Für rechte Halter linke Einsätze verwenden.
Das Anzugsmoment der Schrauben für Spannelement und Stecheinsatz entspricht 8-10 Nm (71-88 Zoll-lbs.).

Bestellbeispiel :
Rechts : **KGMSR2525M50**

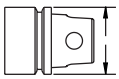


Links: **KGMSL2525M50**

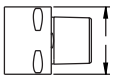


A3 Kennzeichnungssystem für modulare KM-Werkzeuge

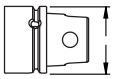
Tief-Einstechdrehen



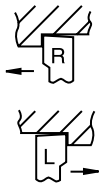
KM-Größe
KM40 = 40 mm dia.
KM50 = 50 mm dia.
KM63 = 63 mm dia



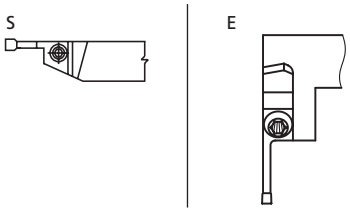
Kennametal Capto-Größe
C4 = 40 mm dia.
C5 = 50 mm dia.
C6 = 63 mm dia.



KMXMZ-Größe
KM63XMZ = 63 mm dia.



1. System & Größe	2. Kennametal Modular-Einstechen	3. Werkzeugausführung	4. Richtung des Werkzeugs	5. Stech-einsatzgröße	6. Besondere Bedingungen
KM40	KGM	S	R	50	



Y =
Mazak Integrex
Maschinen der Y-Serie

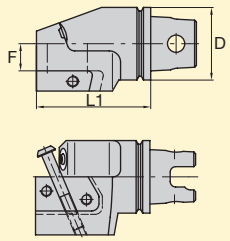


(KM-KGMSR...)

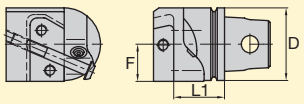


(KM-KGMEL...)

KGMS-KM

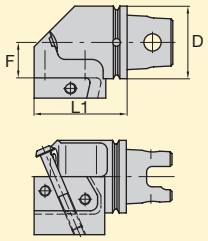


KGME-KM



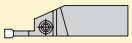
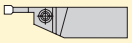
Katalognummer Rechts/Links	D	L1	F	Spannschraube für Stecheinsatz (2 erford.)	Schraube für Spann-element	Torx
KM40KGMS R/L 50	40	53,5	15	**MS-1162**	**MS-2002**	T25
KM50KGMS R/L 50	50	58,5	23	**MS-1162**	**MS-2002**	T25
KM63UTKGMS R/L 50	63	63,5	31	**MS-1162**	**MS-2002**	T25
KM40KGME R/L 50	40	28	20,5	**MS-1162**	**MS-2002**	T25
KM50KGME R/L R50	50	38	25,5	**MS-1162**	**MS-2002**	T25
KM63KGME R/L 50	63	48	32,5	**MS-1162**	**MS-2002**	T25
KM80ATCKGME R/L 50	80	58	40,5	**MS-1162**	**MS-2002**	T25

KGMS-KM XMZ



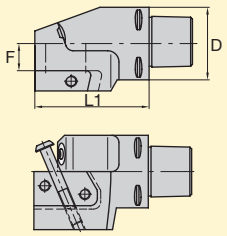
Katalognummer Rechts/Links	D	L1	F	Spannschraube für Stecheinsatz (2 erford.)	Schraube für Spann-element	Torx
KM63XMZKGMS R/L 50	63	63,50	31	**MS-1162**	**MS-2002**	T25

Hinweis: .KGMS..: Für rechte Halter rechte Einsätze verwenden.
.KGME..: Für rechte Halter linke Einsätze verwenden.
Das Anzugsmoment der Schrauben für Spannelement und Stecheinsatz entspricht 8-10 Nm7 (1-88 in.-lbs.).
Siehe Abbildungen zu den modularen Stecheinsätzen auf Seite B81

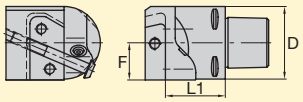
Bestellbeispiel :
Rechts: **KM40KGMSR50** 
Links: **KM40KGMSL50** 

A3 Tief-Einstechdrehen – Modulare Capto-Werkzeugköpfe

C-KGMS..

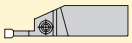
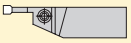


C-KGME..



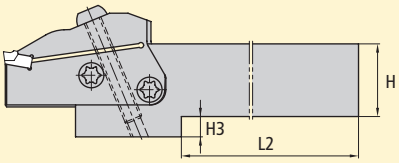
Katalognummer Rechts/Links	D	L1	F	Spannschraube für Stecheinsatz (2 erford.)	Schraube für Spann-element	Torx
C4KGME R/L 50	40	33,0	20,5	**MS-1162**	**MS-2002**	T25
C5KGME R/L 50	50	43,0	25,5	**MS-1162**	**MS-2002**	T25
C6KGME R/L 50	63	48,0	32,5	**MS-1162**	**MS-2002**	T25
C4KGMS R/L 50	40	63,5	10,0	**MS-1162**	**MS-2002**	T25
C5KGMS R/L 50	50	63,5	15,0	**MS-1162**	**MS-2002**	T25
C6KGMS R/L 50	63	65,5	22,0	**MS-1162**	**MS-2002**	T25

Hinweis: .KGMS..: Für rechte Halter rechte Einsätze verwenden.
.KGME..: Für rechte Halter linke Einsätze verwenden.
Das Anzugsmoment der Schrauben für Spannelement und Stecheinsatz entspricht 8-10 Nm (71-88 in.-lbs.).
Siehe Abbildungen zu den modularen Stecheinsätzen auf Seite B81

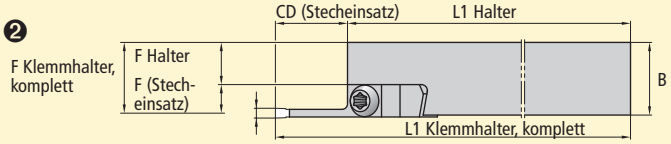
Bestellbeispiel:
Rechts: **C4KGMER50** 
Links: **C4KGMSL50** 

KGMS-Klemmhalter mit modularen Stecheinsätzen

❷



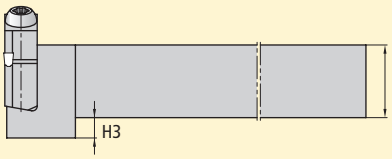
❷



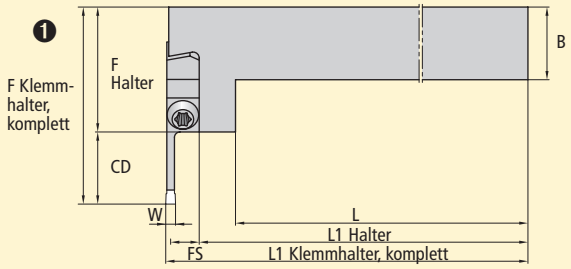
❷ F Klemmhalter, komplett = F (Halter) + FS (Stecheinsatz) + W/2
L1 Klemmhalter, komplett = L1 (Halter) + CD (Stecheinsatz) + 0,5 mm

KGME-Klemmhalter mit modularen Stecheinsätzen

❶

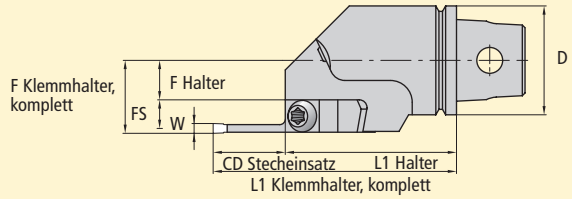


❶



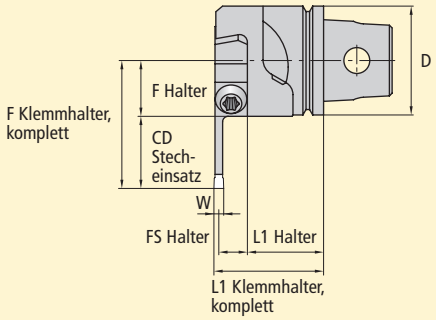
❶ F Klemmhalter, komplett = F (Halter) + CD (Stecheinsatz) + 0,5 mm
L1 (Klemmhalter, komplett) = L1 (Halter) + FS (Stecheinsatz) + W/2

KM-KGMS



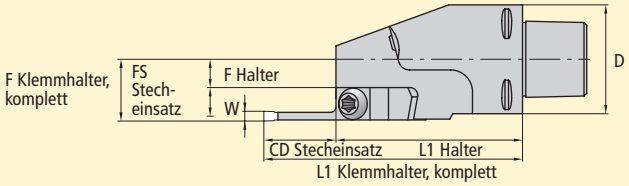
F Klemmhalter, komplett = F (Halter) + FS (Stecheinsatz) + W/2
L1 (Klemmhalter, komplett) = L1 (Halter) + CD (Stecheinsatz) + 0,5 mm

KM-KGME



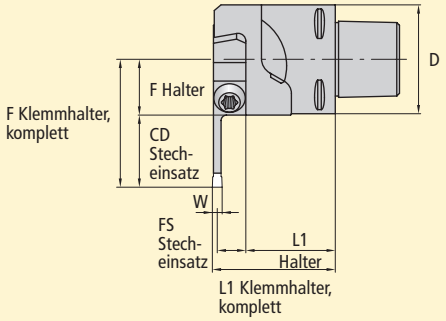
F Klemmhalter, komplett = F (Halter) + CD (Stecheinsatz) + 0,5 mm
L1 (Klemmhalter, komplett) = L1 (Halter) + FS (Stecheinsatz) + W/2

C-KGMS



F Klemmhalter, komplett = F (Halter) + FS (Stecheinsatz) + W/2
L1 Klemmhalter, komplett = L1 (Halter) + CD (Stecheinsatz) + 0,5 mm

C-KGME

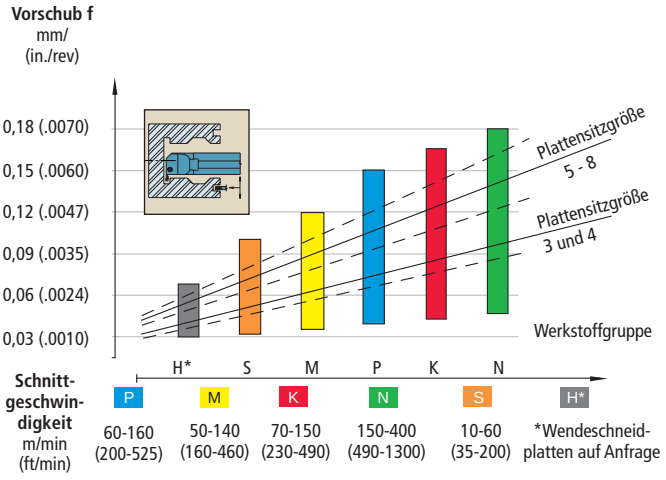


F Klemmhalter, komplett = F (Halter) + CD (Stecheinsatz) + 0,5 mm
L1 (Klemmhalter, komplett) = L1 (Halter) + FS (Stecheinsatz) + W/2

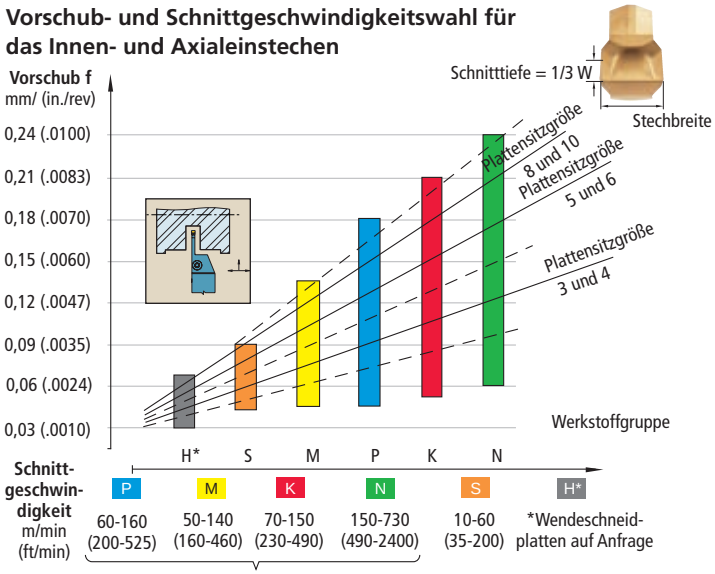
A3 Tief-Einstechdrehen – Technische Daten

Einsatzempfehlungen

Vorschub- und Schnittgeschwindigkeitswahl für das Innen- und Axialeinstechen



Vorschub- und Schnittgeschwindigkeitswahl für das Innen- und Axialeinstechen

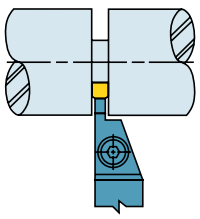


Für radiale Einstiche bei stabilen Bedingungen kann der Vorschub um bis zu 50 % erhöht werden.

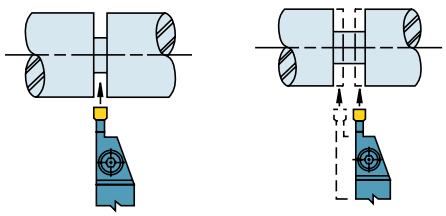
Einsatzempfehlungen

- Wenden Sie stets gute allgemeine Bearbeitungspraktiken an.
- Sorgen Sie für eine möglichst steife Maschine und Werkzeugaufspannung.
- Klemmhalter mit integriertem Schaft bieten die höchste Steifigkeit. Sie sollten möglichst Ihre erste Wahl sein.
- Verwenden Sie den Klemmhalter mit der kleinstmöglichen Schnitttiefe für die Anwendung (Abmessung "CD").
- Stellen Sie beim Wechsel von Wendeschneidplatten sicher, dass die neue Platte sicher am formschlüssigen Anschlag des Klemmhalters anliegt.
- Ziehen Sie nie die Spannschraube an, wenn sich keine Wendeschneidplatte im Plattensitz befindet.
- Der Klemmhalter sollte so wenig wie möglich aus dem Werkzeugblock herausragen.
- Die Schneidenhöhe sollte möglichst auf der Mitte liegen.
- Die Verweilzeit am Nutboden sollte weniger als drei Umdrehungen betragen.
- Die empfohlenen Schnittgeschwindigkeiten und Vorschübe sind nur ein Ausgangspunkt. Korrigieren Sie diese, je nach Bedarf, um eine optimale Standzeit und Spankontrolle zu erreichen.

Tiefe Einstiche

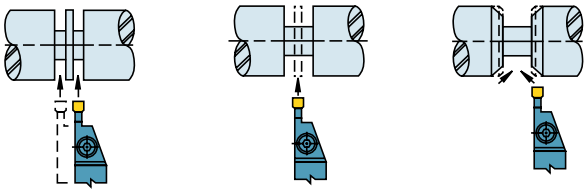


Tiefe Einstiche, etwas breiter als das Werkzeug



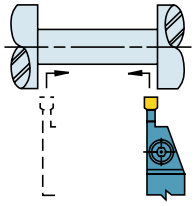
1. Stechen Sie in die Mitte der Nut ein.
2. Stechen Sie in jede Seite der Nut ein, um die vorgegebene Breite zu erhalten.
   Bearbeiten Sie die Nutseiten mit geringerer Vorschubgeschwindigkeit.

Tiefe Einstiche in Sonderbreiten



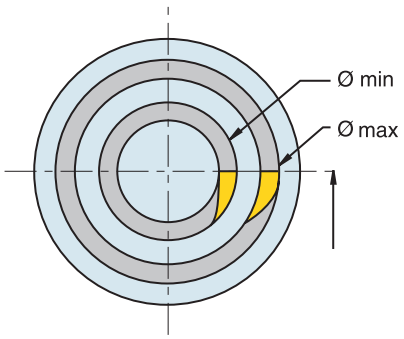
1. Stechen Sie beide Seiten der Nutenbreite aus.
2. Stechen Sie in den mittleren Bereich ein, um den verbliebenen Steg zu entfernen.
3. Stechen Sie im erforderlichen Winkel in beide Seiten der Nut ein und verwenden Sie dabei etwa die Hälfte der Breite des Einstechwerkzeugs für die maximale Schnittbreite.

Schlichten der Nut / Leichtes Profildrehen



1. Beachten Sie die oben erläuterten Empfehlungen.
2. Um Ausbrüche an der Wendeschneidplatte zu vermeiden und genau senkrechte Einstichwände zu erhalten, folgen Sie dem hier gezeigten Werkzeugweg.
3. Wählen Sie die geringstmögliche Schnitttiefe, die noch guten Spanbruch sowie gute Werkzeugstandzeit und Oberflächenqualität ergibt.

Einsatzempfehlungen für Axialstechwerkzeuge



Werkzeugauswahl

- Gehen Sie bei der Auswahl des Klemmhalters immer vom größtmöglichen Durchmesser aus und arbeiten Sie sich zum kleineren Durchmesser vor. Auf diese Weise wird immer das stabilste Werkzeug eingesetzt.

Schneiden der ersten Nut

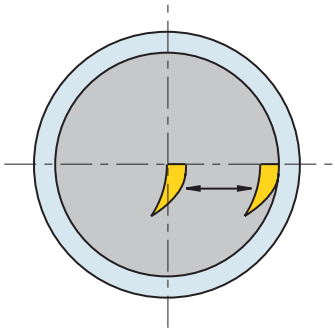
- Der Außendurchmesser der ersten Nut muss sich zwischen dem Mindestdurchmesser und dem Maximaldurchmesser befinden, den das Axialstechwerkzeug schneiden kann (siehe Abbildung oben). Dadurch ist ein Freigang für den Halter gewährleistet.

Spankontrolle

- Stellen Sie Schnittgeschwindigkeit und Vorschub so ein, dass die Späne gut kontrolliert aus der Nut abgeführt werden. Verdichtete Späne können die Oberflächengüte beeinträchtigen und zu Werkzeugbruch und Standzeitverkürzung führen.

Werkzeugeinstellung

- Das Werkzeug sollte möglichst nah am Mittelpunkt positioniert werden, um eine übermäßige Gratbildung zu vermeiden.
- Die Schneidkante senkrecht zum Werkstück ausrichten.



Erweiterung eines Axialeinstichs

- Nach dem Schneiden der ersten Nut kann die Einstichbreite unter Verwendung desselben Werkzeugs in jede Richtung erweitert werden. Dabei vorzugsweise von außen nach innen arbeiten.

Praktische Lösungen für Probleme beim Einstechdrehen

Fehler	Lösung
Grat	1. Werkzeugspitzenhöhe überprüfen. 2. Scharfes Werkzeug verwenden (öfter wenden). 3. PVD-beschichtete Wendeschneidplatte mit positivem Spanwinkel verwenden. 4. Die richtige Schneidstoffsorte für den Werkstoff verwenden. 5. Die richtige Geometrie verwenden (z. B. positiver Spanwinkel für kaltverfestigte Werkstoffe). 6. Werkzeugweg ändern.
Schlechte Oberflächengüte	1. Geschwindigkeit erhöhen. 2. Scharfes Werkzeug verwenden (öfter wenden). 3. Höchstens 1-3 Umdrehungen mit dem Werkzeug am Nutboden verweilen. 4. Passende Spankontroll-Geometrie verwenden. 5. Kühlschmierstoffzufuhr erhöhen. 6. Werkzeugeinstellung überprüfen (Auskragung, Schaftgröße). 7. Die richtige Geometrie verwenden (z. B. positiver Spanwinkel für kaltverfestigte Werkstoffe).
Nutboden nicht flach	1. Scharfes Werkzeug verwenden (öfter wenden). 2. Höchstens 1-3 Umdrehungen mit dem Werkzeug am Nutboden verweilen. 3. Werkzeugauskragung verringern (Steifigkeit erhöhen). 4. Den Vorschub am Nutboden verringern. 5. Eine breitere Wendeschneidplatte verwenden. 6. Werkzeugspitzenhöhe überprüfen.
Schlechte Spankontrolle	1. Scharfes Werkzeug verwenden (öfter wenden). 2. Kühlschmierstoffkonzentration erhöhen. 3. Vorschub einstellen (üblicherweise zuerst erhöhen).
Rattern	1. Werkzeug- und Werkstückauskragung verringern. 2. Geschwindigkeit einstellen (üblicherweise zuerst erhöhen). 3. Vorschub einstellen (üblicherweise zuerst erhöhen). 4. Werkzeugspitzenhöhe überprüfen.
Wendeschneid-plattenausbrüche	1. Die richtige Schneidstoffsorte für den Werkstoff verwenden. 2. Geschwindigkeit erhöhen. 3. Vorschub reduzieren. 4. Eine zähere Schneidstoffsorte verwenden. 5. Werkzeug- und Einrichtsteifigkeit erhöhen.
Aufbauschneidenbildung	1. PVD-beschichtete Wendeschneidplatte mit positivem Spanwinkel verwenden. 2. Schnittgeschwindigkeit erhöhen. 3. Vorschub reduzieren. 4. Kühlschmierstoffzufuhr/-konzentration erhöhen. 5. Cermets verwenden.
Seitenwände nicht gerade	1. Die Werkzeugausrichtung auf Rechtwinkligkeit überprüfen. 2. Werkstück- und Werkzeugauskragung verringern. 3. Scharfe Wendeschneidplatte verwenden (öfter wenden).

Engineering Your Competitive Edge®

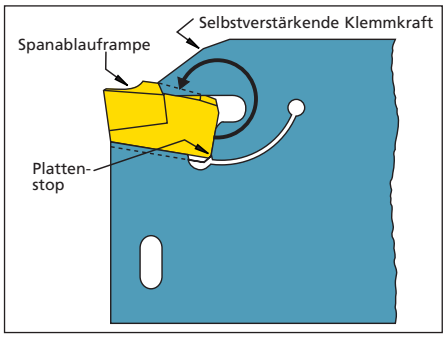
A2 Abstechdrehen ...

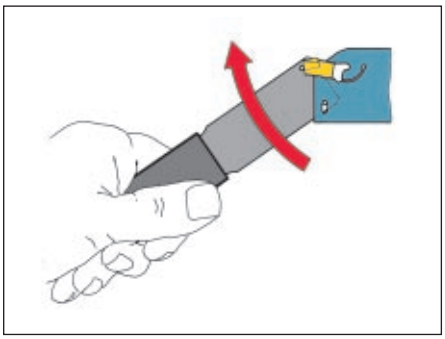


... Hochleistungswerkzeuge für maximale Produktivität!

Innovative A2-Wendeschneidplattenkonstruktion

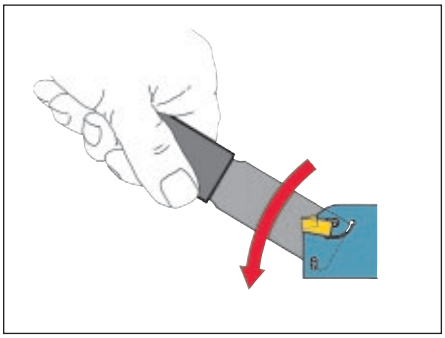
- Obere und untere V-Prismen erzeugen optimale Spannkräfte, um ein Bewegen der Wendeschneidplatte selbst bei hohen Vorschüben zu verhindern.
- Die Stechplatte verfügt über eine eingepresste Spanablauframpe zum Abführen der Späne, wodurch der Trägerverschleiß reduziert und dessen Standzeit erhöht wird.
- Die Spanformstufen mit positivem Spanwinkel in Verbindung mit den PVD-Hochleistungsbeschichtungen von Kennametal erzielen hervorragende Standzeiten und Spankontrolle.





Patentiertes A2-Spannsystem

- Mit steigenden Schnittkräften erhöhen sich auch die Spannkräfte und sorgen für eine sichere Fixierung der Wendeschneidplatte.
- Ein Festanschlag gewährleistet einen stabilen Sitz der Stechplatte und erzielt bis zu 30 % längere Standzeiten.
- Die präzise Spitzenhöhe maximiert Zuverlässigkeit und Leistungsfähigkeit selbst bei Teilen mit geringem Durchmesser.



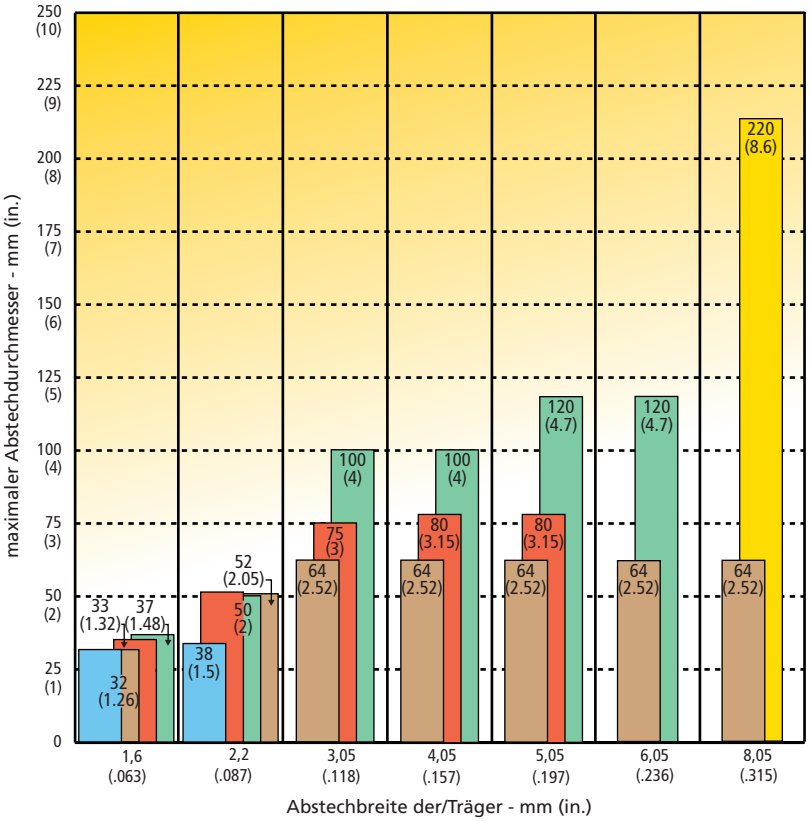
Schneller und einfacher Wechsel von Wendeschneidplatten

- Mit einem speziell erhältlichen Schlüssel lässt sich die Nebenzeit minimieren, indem ein schneller Aus- und Einbau ohne Beschädigung der Schneidkante ermöglicht wird.

KENNA PERFECT – A2 Abstechen

5 einfache Schritte zu höherer Produktivität beim Abstechen

1. Schritt – Wahl der Wendeschneidplattenbreite und der Halterausführung

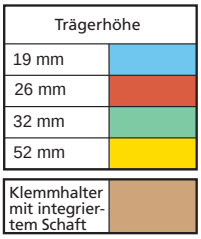


Was Sie wissen müssen:

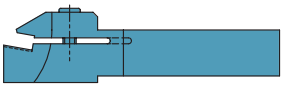
- Abstechdurchmesser
- Anforderungen des Werkstückes/der Maschine

Wählen Sie Wendeschneidplattenbreite und Halterausführung für den erforderlichen Abstechdurchmesser anhand der Anforderungen des Teils und der Maschine aus:

- Wählen Sie die größtmögliche Stecheinsatzhöhe oder einen Klemmhalter mit integriertem Schaft, um die maximale Steifigkeit zu erzielen.
- Die angegebenen Durchmesser gelten für das Abstechen zur Mitte.
  Die maximale Abstechtiefe zu einer Durchgangsbohrung entspricht der Hälfte des Durchmessers.
- Um die Abstechfähigkeit zur Durchgangsbohrung bei Haltern mit integriertem Schaft oder verstärkten Stecheinsätzen zu bestimmen, siehe die Angaben zum jeweiligen Werkzeug in diesem Katalog.

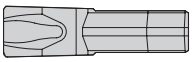
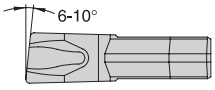
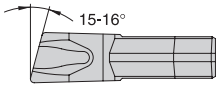


Klemmhalter-Ausführung

Träger: (Selbstklemmung)	Träger: (Selbstklemmung, verstärkte Ausführung)	Klemmhalter: (mit Spannschraube)
	 (In Höhen von 26 mm und 32 mm erhältlich)	
• häufig verwendetes Werkzeug • zwei Plattensitze • größte Schnitttiefe	• effiziente Werkzeuglösung mit verbesserter Stabilität • begrenzte Schnitttiefe	• Schaftwerkzeug mit höchster Stabilität • begrenzte Schnitttiefe • einzelner Plattensitz

2. Schritt – Wahl des Einstellwinkels der Wendeschneidplatte

- Werkstück
- Berücksichtigung von Grat- und Butzenbildung
- Abstechen bis Mitte oder Durchgangsbohrung

	Neutral (0°)	Rechts/Links 6° - 10°	Rechts/Links 15° - 16°
Wendeschneid-plattentyp			
Empfohlene Anwendung	• zum Abstechen massiver Werkstücke • Butzenbildung am Abstechteil • verhindert seitliche Durchbiegung • am besten für große Abstechtiefen geeignet	• zum Abstechen massiver Werkstücke mit geringer Butzenbildung • zum Abstechen zu einer Durchgangsbohrung mit geringer Gratbildung	• für dünnwandige Werkstücke • zum Abstechen von Werkstücken mit kleinem Durchmesser mit minimierter Grat- und Butzenbildung
Standzeit	beste Standzeit	bessere Standzeit	gute Standzeit

3. Schritt – Wahl der Spanformstufe und des Vorschubs

- Einstellwinkel oder neutrale Wendeschneidplatte
- Werkstückstoff



- **Abstechplatte mit präzisionsgeschliffener Schneidkante für niedrige Vorschubwerte**
- **geschwungene Schneidkante**

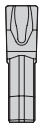
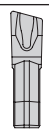


- **Abstechplatte mit präzisionsgepresster Schneidkante für mittlere Vorschubwerte**
- **stabilisierte, gerade Schneidkante**



- **Abstechplatte mit präzisionsgepresster Schneidkante für höhere Vorschubwerte**
- **geschwungene Schneidkante**

Spanformstufe und Vorschub f - mm/ (in/rev)

Wendeschneid-plattentyp	Stahl	Nicht rostender Stahl	Gusseisen	NE-Metalle	Schwer zerspanbare Werkstoffe	Harte Werkstoffe
	**N-CR** 0,08 – 0,3 (.003 – .012)	**N-CF** 0,05 – 0,12 (.002 – .005)	**N-CM** 0,05 – 0,2 (.002 – .008)	**N-CF** 0,05 – 0,18 (.002 – .007)	**N-CF** 0,04 – 0,10 (.002 – .004)	**CBN auf Anfrage erhältlich**
	N-CF 0,05 – 0,15 (.002 – .006)	–	–	–	–	–
	**R/L-CR** 0,05 – 0,12 (.002 – .005)	**R/L-CF** 0,04 – 0,08 (.002 – .003)	**R/L-CM** 0,05 – 0,12 (.002 – .005)	**R/L-CF** 0,04 – 0,10 (.002 – .004)	**R/L-CF** 0,04 – 0,08 (.002 – .003)	**CBN auf Anfrage erhältlich**
	R/L-CF 0,04 – 0,08 (.002 – .003)	–	–	–	–	–

4. Schritt – Wahl des Schneidstoffes und der Geschwindigkeit vc

Empfehlungen zur Schneidstoff- und Geschwindigkeitswahl – m/min (sfm)

	Bearbeitungs-bedingung	Werkstoff: Stahl	Nicht rostender Stahl	Gusseisen	NE-Metalle	Schwer zerspanbare Werkstoffe	Harte Werkstoffe
KENNA PERFECT	hohe Leistung, optimale Bedingungen, höhere Geschwindigkeiten	**KT315** 120 -190 (395 - 625)	**KT315** 70 - 170 (230 - 560)	**KC5025** 80 - 170 (265 - 560)	**KT315** 180 - 400 (600 - 1300)	**KC5025** 30 - 100 (100 - 325)	–
KENNA PERFECT	erste Wahl bei allgemeinen Bearbeitungs-bedingungen	**KC5025** 80 - 170 (265 - 560)	**KC5025** 80 - 150 (265 - 500)	**KC5025** 70 - 150 (230 - 500)	**KC5025** 150 - 300 (500 - 980)	**KC5025** 25 - 75 (80 - 250)	**KB5625*** 80 - 120 (265 - 400)
KENNA PERFECT	ungünstige Bedingungen, unterbrochene Schnitte, niedrige Geschwindigkeiten	**KC5025** 60 - 100 (200 - 325)	**KMF** 40 - 80 (135 - 265)	**KMF** 25 - 80 (80 - 265)	**KMF** 60 - 180 (200 - 600)	**KMF** 30 - 25 (30 - 80)	–
KENNA UNIVERSAL		**KU25T** 65 - 135 (210 - 450)	**KU25T** 65 - 120 (210 - 400)	**KU25T** 55 - 120 (180 - 400)	**KU25T** 120 - 240 (400 - 785)	**KU25T** 20 - 60 (65 - 200)	–

*Wendeschneidplatten mit PCBN-Tip in KB5625 sind auf Anfrage erhältlich

5. Schritt – Auswahl der Wendeschneidplatte und Halter auf den Katalogseiten

Hinweis: Die Wendeschneidplattengröße muss mit der Plattensitzgröße des gewählten Klemmhalters übereinstimmen.

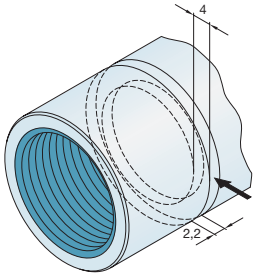
Beispiel für A2 – Abstechen

Werkstoff : Stahl mit geringem Kohlenstoffgehalt
Werkstück-Ø .: 27 mm (1.02 Zoll)
Schnitttiefe : 4 mm (.157 Zoll)

Empfehlung:

Wendeschneidplatte : A2022R10CF00
Sorte : KC5025
Stechbreite : 2,2 mm (.087 Zoll)
Wendeschneid-plattengröße : 2

Klemmhalter : A2BNSN32M02
Plattensitzgröße: 2



Geschwindigkeit: 140 m/min (460 sfm)
Vorschub : 0,05 mm (.002 ipr)

Herzlichen Glückwunsch!
Durch die Auswahl der für Ihre Anwendung am besten geeigneten Wendeschneidplatte, Halterausführung, Schneidstoffsorte und Schnitteigenschaften ist es Ihnen gelungen, die Produktivität beim Abstechen zu maximieren!

A2 Wendeschneidplatten-Kennzeichnungssystem

Abstechdrehen

A2 Abstechdrehen	N = neutral R = rechts L = links	-CF (**C**utoff **F**ine) -CM (**C**utoff **M**edium) -CR (**C**utoff **R**ough)
1. Stechsystem	**3. Richtung der Wendeschneidplatte**	**5. Spanformstufe**
A2 **040**	**N** **00**	**CF** **02**
2. Stechbreite	**4. Einstellwinkel der Hauptschneidkante**	**6. Eckenradius**

2. Stechbreite

(in 1/10 mm)

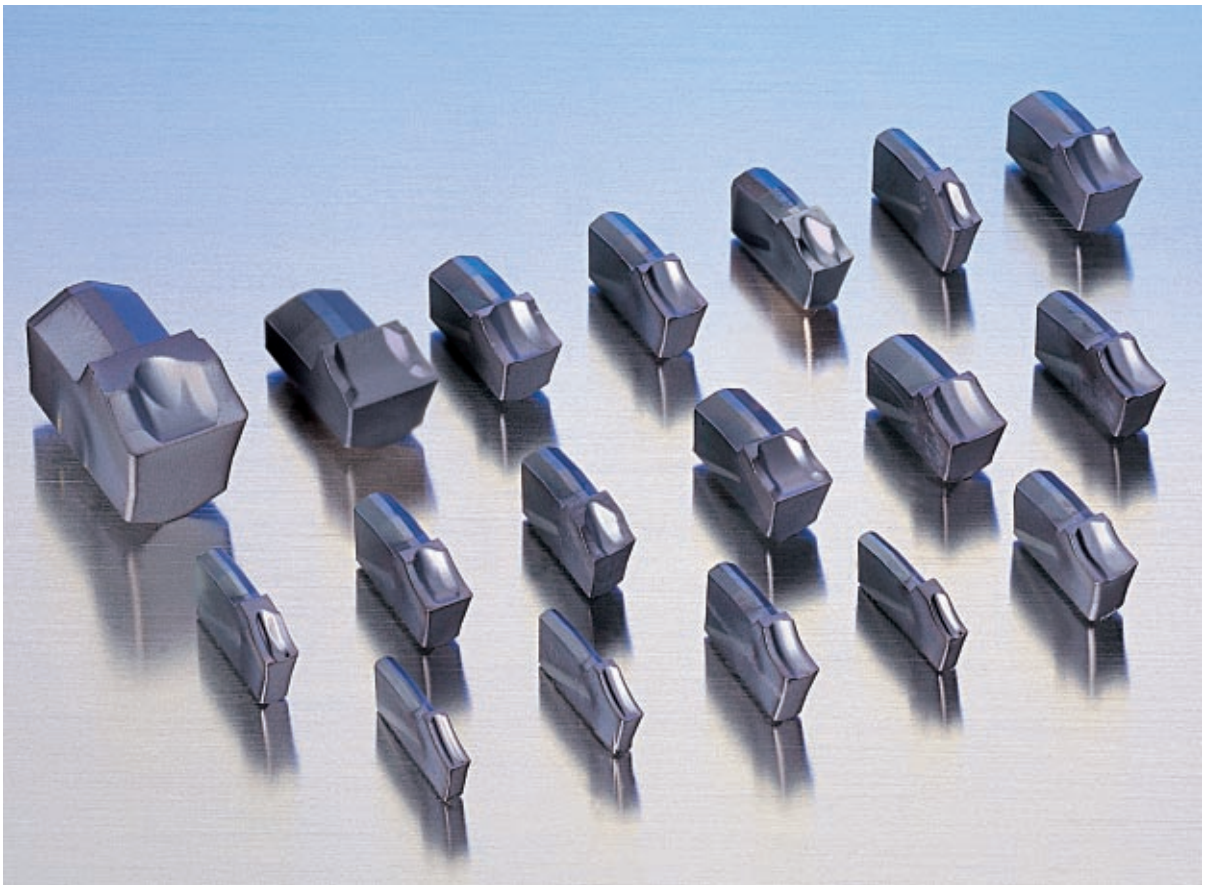
Stechbreite (mm)	Taschen-Plattensitzgröße
1,60	01
2,20	02
3,05	03
4,05	04
5,05	05
6,05	06
8,05	08

4. Einstellwinkel der Hauptschneidkante

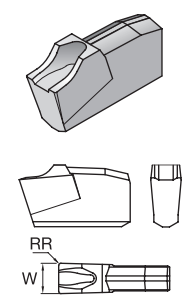
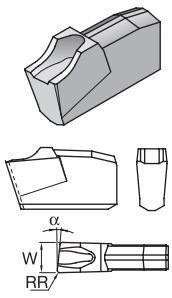
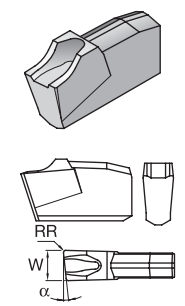
00 = neutral
06 = 6°
10 = 10°
15 = 15°
16 = 16°

6. Eckenradius

	mm	Zoll
00	0,0	.000
01	0,1	.004
02	0,2	.008
03	0,3	.012
04	0,4	.016



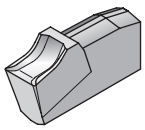
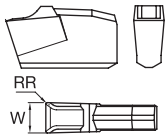
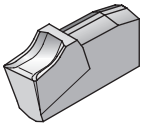
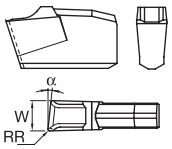
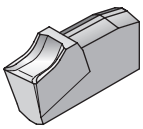
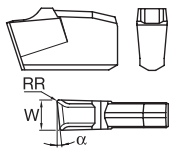
Mit über 110 Produkten in drei Schneidstoffsorten und drei Spanformstufen bietet Kennametal eine komplette Wendeschneidplattenserie an, die für jede Abstechanwendung eine produktive Lösung ermöglicht.

	Plattensitzgröße	W Zoll	W mm	Katalognummer	Abmessungen α°	Abmessungen RR Zoll	Abmessungen RR mm	KENNA PERFECT P KT315	KENNA PERFECT P KC5025	KENNA PERFECT M KT315	KENNA PERFECT M KC5025	KENNA PERFECT K KC5025	KENNA PERFECT K KMF	KENNA PERFECT N KC5025	KENNA PERFECT S KMF	KENNA PERFECT S KC5025	KENNA UNIVERSAL KU25T
A2-N-CF				**Neutral**													
	1	.063	1,60	**A2016N00CF01**	-	.004	0,15	●	●	●	●	●	●	●	●	●	●
	2	.087	2,20	**A2022N00CF02**	-	.008	0,20	●	●	●	●	●	●	●	●	●	●
	3	.118	3,05	**A2030N00CF02**	-	.008	0,20	●	●	●	●	●	●	●	●	●	●
	4	.159	4,05	**A2040N00CF02**	-	.008	0,20	●	●	●	●	●	●	●	●	●	●
	5	.199	5,05	**A2050N00CF03**	-	.012	0,30		●		●	●	●	●	●	●	
A2-L-CF				**Links**													
	1	.063	1,60	**A2016L06CF00**	6	.000	0,00	●	●	●	●	●	●	●	●	●	
	1	.063	1,60	**A2016L10CF00**	10	.000	0,00		●		●	●		●		●	
	1	.063	1,60	**A2016L16CF00**	16	.000	0,00		●		●	●		●		●	
	2	.087	2,20	**A2022L06CF02**	6	.008	0,20	●	●	●	●	●	●	●	●	●	
	2	.087	2,20	**A2022L10CF00**	10	.000	0,00		●		●	●		●		●	
	2	.087	2,20	**A2022L16CF00**	16	.000	0,00		●		●	●		●		●	
	3	.120	3,05	**A2030L06CF02**	6	.008	0,20	●	●	●	●	●	●	●	●	●	●
	3	.120	3,05	**A2030L10CF00**	10	.000	0,00		●		●	●		●		●	●
	3	.120	3,05	**A2030L15CF00**	15	.000	0,00		●		●	●		●		●	●
	4	.159	4,05	**A2040L06CF02**	6	.008	0,20	●	●	●	●	●	●	●	●	●	●
	5	.199	5,05	**A2050L06CF03**	6	.012	0,30		●		●	●		●		●	
A2-R-CF				**Rechts**													
	1	.063	1,60	**A2016R06CF00**	6	.000	0,00	●	●	●	●	●	●	●	●	●	
	1	.063	1,60	**A2016R10CF00**	10	.000	0,00		●		●	●		●		●	
	1	.063	1,60	**A2016R16CF00**	16	.000	0,00		●		●	●		●		●	●
	2	.087	2,20	**A2022R06CF02**	6	.008	0,20	●	●	●	●	●	●	●	●	●	●
	2	.087	2,20	**A2022R10CF00**	10	.000	0,00		●		●	●		●		●	●
	2	.087	2,20	**A2022R16CF00**	16	.000	0,00		●		●	●		●		●	●
	3	.120	3,05	**A2030R06CF02**	6	.008	0,20	●	●	●	●	●	●	●	●	●	●
	3	.120	3,05	**A2030R10CF00**	10	.000	0,00		●		●	●		●		●	●
	3	.120	3,05	**A2030R15CF00**	15	.000	0,00		●		●	●		●		●	●
	4	.159	4,05	**A2040R06CF02**	6	.008	0,20	●	●	●	●	●	●	●	●	●	●
	5	.199	5,05	**A2050R06CF03**	6	.012	0,30		●		●	●		●		●	

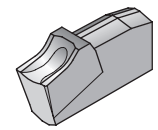
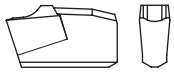
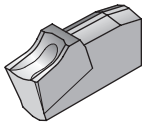
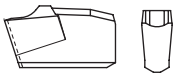
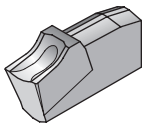
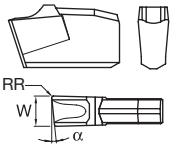
Bestellbeispiel:
Katalognummer: A2016N00CF01
Schneidstoffsorte : KT315

A2 Abstechplatten

CM-Spanformstufe

	Plattensitz-größe	W Zoll	W mm	Katalognummer	Abmessungen α°	Abmessungen RR Zoll	Abmessungen RR mm	KENNA PERFECT P KT315	KENNA PERFECT P KC5025	KENNA PERFECT M KT315	KENNA PERFECT M KC5025	KENNA PERFECT K KC5025	KENNA PERFECT N KMF	KENNA PERFECT N KC5025	KENNA PERFECT S KMF	KENNA PERFECT S KC5025	KENNA UNIVERSAL KU25T
A2-N-CM				**Neutral**													
	1	.063	1,60	**A2016N00CM01**	-	.004	0,10	●	●	●	●	●		●		●	●
	2	.087	2,20	**A2022N00CM02**	-	.008	0,20		●		●	●		●		●	●
	3	.120	3,05	**A2030N00CM02**	-	.008	0,20		●		●	●		●		●	●
	4	.159	4,05	**A2040N00CM02**	-	.008	0,20		●		●	●		●		●	●
	5	.199	5,05	**A2050N00CM03**	-	.012	0,30		●		●	●		●		●	
	6	.238	6,05	**A2060N00CM03**	-	.012	0,30		●		●	●		●		●	
	8	.317	8,05	**A2080N00CM04**	-	.016	0,40		●		●	●		●		●	
A2-L-CM				**Links**													
	1	.063	1,60	**A2016L06CM00**	6	.000	0,00	●	●	●	●	●		●		●	
	1	.063	1,60	**A2016L16CM00**	16	.000	0,00		●		●	●		●		●	
	2	.087	2,20	**A2022L06CM00**	6	.000	0,00		●		●	●		●		●	
	3	.120	3,05	**A2030L06CM01**	6	.004	0,10		●		●	●		●		●	
A2-R-CM				**Rechts**													
	1	.063	1,60	**A2016R06CM00**	6	.000	0,00	●	●	●	●	●		●		●	●
	1	.063	1,60	**A2016R16CM00**	16	-	-		●		●	●		●		●	
	2	.087	2,20	**A2022R06CM00**	6	.000	0,00		●		●	●		●		●	
	3	.120	3,05	**A2030R06CM01**	6	.004	0,10		●		●	●		●		●	

Bestellbeispiel:
Katalognummer: A2016N00CM01
Schneidstoffsorte : KT315

	Plattensitzgröße	W Zoll	W mm	Katalognummer	Abmessungen α°	Abmessungen RR Zoll	Abmessungen RR mm	KENNA PERFECT P KT315	KENNA PERFECT P KC5025	KENNA PERFECT M KT315	KENNA PERFECT M KC5025	KENNA PERFECT K KC5025	KENNA PERFECT N KMF	KENNA PERFECT N KC5025	KENNA PERFECT S KMF	KENNA PERFECT S KC5025	KENNA UNIVERSAL KU25T
A2-N-CR				**Neutral**													
	2	.087	2,20	**A2022N00CR02**	-	.008	0,20	●	●	●	●	●		●		●	●
	3	.120	3,05	**A2030N00CR02**	-	.008	0,20	●	●	●	●	●		●		●	●
	4	.159	4,05	**A2040N00CR02**	-	.008	0,20	●	●	●	●	●		●		●	●
	5	.199	5,05	**A2050N00CR03**	-	.012	0,30		●		●	●		●		●	
	6	.238	6,05	**A2060N00CR03**	-	.012	0,30		●		●	●		●		●	
	8	.317	8,05	**A2080N00CR04**	-	.016	0,40		●		●	●		●		●	
A2-L-CR				**Links**													
	2	.087	2,20	**A2022L06CR03**	6	.012	0,30		●		●	●		●		●	
	3	.120	3,05	**A2030L06CR03**	6	.012	0,30		●		●	●		●		●	
	4	.159	4,05	**A2040L06CR03**	6	.012	0,30		●		●	●		●		●	
	5	.199	5,05	**A2050L06CR04**	6	.016	0,40		●		●	●		●		●	
	6	.238	6,05	**A2060L06CR04**	6	.016	0,40		●		●	●		●		●	
A2-R-CR				**Rechts**													
	2	.087	2,20	**A2022R06CR03**	6	.012	0,30		●		●	●		●		●	
	3	.118	3,05	**A2030R06CR03**	6	.012	0,30		●		●	●		●		●	●
	4	.159	4,05	**A2040R06CR03**	6	.012	0,30		●		●	●		●		●	
	5	.199	5,05	**A2050R06CR04**	6	.016	0,40		●		●	●		●		●	
	6	.238	6,05	**A2060R06CR04**	6	.016	0,40		●		●	●		●		●	

Bestellbeispiel:
Katalognummer : A2022N00CR02
Schneidstoffsorte : KT315

A2 Kennzeichnungssystem für Klemmhalter

Abstechdrehen – Klemmhalter

Plattensitzgröße	Stechbreite (mm)
01	1,60
02	2,20
03	3,05
04	4,05
05	5,05
06	6,05
08	8,05

	1. A3 Halter mit Schrauben-klemmung*	2. Halter-ausführung	3. Halterform	4. Richtung des Werkzeugs	5. Schaftgröße	6. Plattensitzgröße	7. max. Stechtiefe
ZOLL	A3	S	C	R	16	03	26
METRISCH	A3	S	C	R	2525M	03	26

*HINWEIS: A3 Außenhalter mit Schraubenklemmung sind auch für die Aufnahme von A2-Platten konstruiert (siehe Technische Daten, Seite 96)

S = Gerade

S = Standard (gerade Schneidenform)
M = max. Unterbau (gerade Schneidenform)
C = max. Unterbau, verstärkt (abgerundete Schneidenform)

R = rechts
L = links

Zollgrößen: bei quadratischen Schäften gibt die Zahl die Höhe und Breite in Schritten von Sechzehntelzoll an (rechteckige Schäfte: zweite Ziffer = Höhe in Schritten von Viertelzoll)
Metrisch: Höhe x Breite in mm; der Buchstabe kennzeichnet die Werkzeuglänge gemäß ISO (siehe Tabelle im Werkzeugblock-Kennzeichnungssystem)

in Millimeter

Abstechdrehen – Träger

1. A2 Abstech-system	2. Träger-ausführung	3. Trägerform	4. Richtung des Werkzeugs	5. Trägerhöhe	6. Trägerlänge	7. Plattensitzgröße	8. max. Stechtiefe
A2	BN	C	R	32	J	02	21

BN = 2-Sitz-Stecheinsatz
BH = 1-Sitz-Stecheinsatz

S = Standard
C = verstärkt

R = rechts
L = links
N = neutral

in (mm)
19 / 26 / 32 / 52

Buchstabenkennzeichnung gemäß ISO (siehe Tabelle im Werkzeugblock-Kennzeichnungssystem)
J = 110 mm
M = 150 mm
X = Sondergröße

01 = 1,60 mm; 04 = 4,05 mm;
02 = 2,20 mm; 05 = 5,05 mm;
03 = 3,05 mm; 06 = 6,05 mm;
08 = 8,05 mm

in (mm) (nur verstärkter Stecheinsatz)

Abstechdrehen – Spannschaft

	1. A2 Abstech-system	2. Werk-zeug	3. Spannsystem	4. Richtung des Werkzeugs	5. Schaftabmessungen		6. Stech-einsatz-größe	7. Trägerlänge in (mm)	8. Platten-sitz-größe
					Schaft-höhe	Schaft-breite			
ZOLL	A2	T	E	N	16	32			
METRISCH	A2	T	E	N	25	23	J		32

Quadratischer Schaft: Diese Zahl gibt den Querschnitt des Klemmhalters in Schritten von Sechzehntelzoll an.
Rechteckiger Schaft: Die erste Ziffer steht für die Anzahl Achtelzoll der Breite und die zweite Ziffer für die Anzahl Viertelzoll der Höhe.

E = einteilige Ausführung
Z = zweiteilig mit abnehmbarer Klemme

R = rechts
L = links
N = neutral

in Millimeter

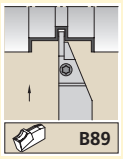
in Millimeter

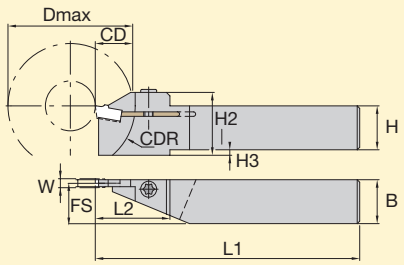
in Millimeter

J = 110
X = sonstige Länge

HINWEIS: Anzugsmomentempfehlung für Spannschraube auf Seite E53

A3SC





Plattensitz-größe	CD	Katalognummer Rechts/Links	Dmax	W	H	B	FS	L1	L2	H2	H3	CDR	Schraube für Spann-element	Torx
1	10	**A3SC R/L 0808X0110**	20	1,60	8	8	7,2	130	20	14,5	4	11	**191.916**	T15
1	16	**A3SC R/L 1010J0116**	42	1,60	10	10	9,8	110	28	26,5	10	22	**MS1488**	T15
1	10	**A3SC R/L 1010X0110**	20	1,60	10	10	9,8	130	20	14,5	2	11	**MS1160**	T20
1	10	**A3SC R/L 1212X0110**	20	1,60	12	12	11,2	130	20	14,5	-	11	**MS1160**	T20
1	16	**A3SC R/L 1212J0116**	42	1,60	12	12	11,2	110	30	26,5	8	22	**MS1944**	T25
1	16	**A3SC R/L 1616J0116**	42	1,60	16	16	15,2	110	30	26,5	4	22	**MS1944**	T25
1	16	**A3SC R/L 2020K0116**	42	1,60	20	20	19,2	125	30	26,5	-	22	**MS1944**	T25
2	10	**A3SC R/L 1010X0210**	20	2,20	10	10	9,1	130	20	14,5	2	11	**MS1160**	T20
2	10	**A3SC R/L 1212X0210**	20	2,20	12	12	11,1	130	20	14,5	-	11	**MS1160**	T20
2	16	**A3SC R/L 1212J0216**	42	2,20	12	12	11,1	110	30	26,5	8	22	**MS1944**	T25
2	16	**A3SC R/L 1616J0216**	42	2,20	16	16	15,1	110	30	26,5	4	22	**MS1944**	T25
2	16	**A3SC R/L 2020K0216**	42	2,20	20	20	19,1	125	30	26,5	-	22	**MS1944**	T25
2	26	**A3SC R/L 2525M0226**	62	2,20	25	25	24,1	150	42	31,5	-	32	**MS1595**	T30
3	10	**A3SC R/L 1010X0310**	20	3,05	10	10	8,8	130	20	14,5	2	11	**MS1160**	T20
3	10	**A3SC R/L 1212X0310**	20	3,05	12	12	10,8	130	20	14,5	-	11	**MS1160**	T20
3	16	**A3SC R/L 1212J0316**	52	3,05	12	12	10,8	110	30	26,5	8	27	**MS1944**	T25
3	16	**A3SC R/L 1616J0316**	52	3,05	16	16	14,8	110	30	26,5	4	27	**MS1944**	T25
3	16	**A3SC R/L 2020K0316**	52	3,05	20	20	18,8	125	30	26,5	-	27	**MS1944**	T25
3	26	**A3SC R/L 2020K0326**	62	3,05	20	20	18,8	125	42	26,5	-	32	**MS1595**	T30
3	16	**A3SC R/L 2525M0316**	62	3,05	25	25	23,8	150	30	31,5	-	32	**MS1944**	T25
3	26	**A3SC R/L 2525M0326**	62	3,05	25	25	23,8	150	42	31,5	-	32	**MS1595**	T30
3	32	**A3SC R/L 3225P0332**	62	3,05	32	25	23,8	170	52	42,5	4	32	**MS1595**	T30
4	10	**A3SC R/L 1010X0410**	20	4,05	10	10	8,3	130	20	14,5	2	11	**MS1160**	T204
4	10	**A3SC R/L 1212X0410**	20	4,05	12	12	10,3	130	20	14,5	-	11	**MS1160**	T20
4	16	**A3SC R/L 1212J0416**	52	4,05	12	12	10,3	110	30	26,5	8	27	**MS1944**	T25
4	16	**A3SC R/L 1616J0416**	52	4,05	16	16	14,3	110	30	26,5	4	27	**MS1944**	T25
4	16	**A3SC R/L 2020K0416**	52	4,05	20	20	18,3	125	30	26,5	-	27	**MS1944**	T25
4	26	**A3SC R/L 2020K0426**	62	4,05	20	20	18,3	125	42	26,5	-	32	**MS1595**	T30
4	16	**A3SC R/L 2525M0416**	62	4,05	25	25	23,3	150	30	31,5	-	32	**MS1944**	T25
4	26	**A3SC R/L 2525M0426**	62	4,05	25	25	23,3	150	42	31,5	-	32	**MS1595**	T30
4	32	**A3SC R/L 3225P0432**	62	4,05	32	25	23,3	170	52	42,5	4	32	**MS1595**	T30

HINWEIS:
Für Wendeschneidplattengrößen 5, 6, und 8
siehe Seite B69

A3-Halter mit Schraubenklemmung



Beispiel:
A3SCR 2525 M0316

kommaförmige Aussparung



Beispiel
A3SMR 2525 M0316
(Seite B69)

gerade Aussparung

Verstärkter C-Klemmhalter mit maximalem Unterbau und kommaförmiger Aussparung

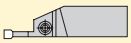
- maximaler Unterbau für Abstechoperationen
- für das Abstechen zur Mitte oder bei kleineren Durchgangsbohrungen
- auch für A3-Tiefeinstechoperationen ideal geeignet

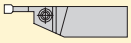
HINWEIS: A2-Wendeschneidplatten können in A3-Haltern mit gleichen Plattensitzgrößen verwendet werden

HINWEIS: Anzugsmomentempfehlung für Spannschraube auf Seite E53

Klemmhalter mit Standardunterbau in S-Ausführung und gerader Aussparung

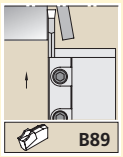
- für größtmögliche Flexibilität
- unbegrenzter Durchmesser bei Abstechanwendungen mit Durchgangsbohrung
- schmalere Stecheinsatzbreite ermöglicht volle Flexibilität in Bezug auf die Wendeschneidplattenbreite bei A3-Tiefeinstechoperationen
- bestimmte modulare Klemmhalter und Klemmhalter mit integriertem Schaft in M-Ausführung sind auch mit gerader Schneidenform erhältlich

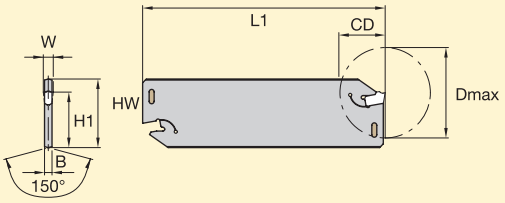
Bestellbeispiel :
Rechts: **A3SCR0808X0110** 

Links: **A3SCL0808X0110** 

A2 Abstecheinsätze

A2BNSN

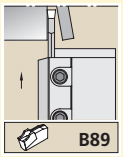


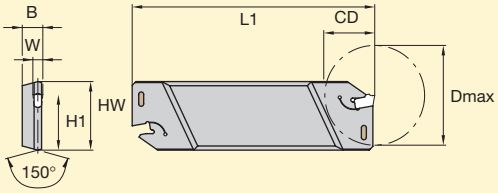


HW	ISC	Katalognummer	W	W1	H1	L1	B	Dmax*	CD	Montage-schlüssel**
19	1	**A2BNSN19X0116**	1,6	1,3	15,4	86	1,8	32	16	170.137
26	1	**A2BNSN26J0117**	1,6	1,3	21,4	110	1,8	34	17	170.137
32	1	**A2BNSN32M0119**	1,6	1,3	25,0	150	2,4	38	19	170.137
19	2	**A2BNSN19X02**	2,2	-	15,4	86	1,8	-	20	170.137
26	2	**A2BNSN26G02**	2,2		21,4	90	1,8		25	170.137
26	2	**A2BNSN26J02**	2,2	-	21,4	110	1,8	-	25	170.137
26	2	**A2BNSN26M02**	2,2		21,4	150	1,8		25	170.137
32	2	**A2BNSN32M02**	2,2	-	25,0	150	1,8	-	60	170.137
26	3	**A2BNSN26G03**	3,0		21,4	90	2,4		40	170.137
26	3	**A2BNSN26J03**	3,0	-	21,4	110	2,4	-	40	170.137
26	3	**A2BNSN26M03**	3,0		21,4	150	2,4		40	170.137
32	3	**A2BNSN32H03**	3,0		25,0	100	2,4		50	170.137
32	3	**A2BNSN32M03**	3,0	-	25,0	150	2,4	-	50	170.137
26	4	**A2BNSN26J04**	4,0	-	21,4	110	3,4	-	40	170.137
32	4	**A2BNSN32M04**	4,0	-	25,0	150	3,4	-	50	170.137
26	5	**A2BNSN26J05**	5,0	-	21,4	110	4,4	-	40	170.130
32	5	**A2BNSN32M05**	5,0	-	25,0	150	4,4	-	60	170.130
26	6	**A2BNSN26J06**	6,0	-	21,4	110	5,4	-	40	170.130
32	6	**A2BNSN32M06**	6,0	-	25,0	150	5,4	-	60	170.130
52	8	**A2BNSN52X08**	8,0	-	45,2	260	7,4	-	120	170.132

*Nur für Plattensitzgröße 1

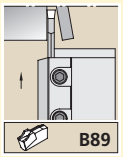
A2BNC

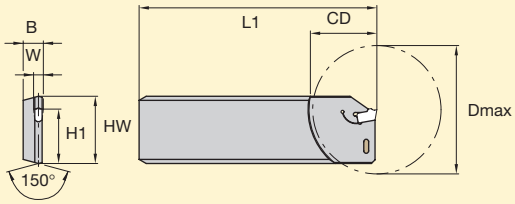




Verstärkte Stecheinsätze

A2BHC





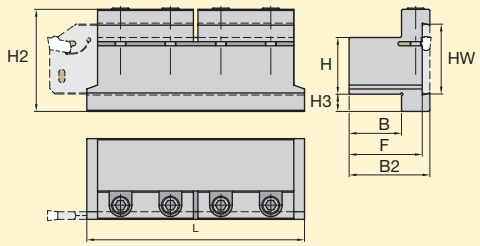
Verstärkte Stecheinsätze

HW	ISC	Katalognummer Rechts/Links	W	W1	H1	L1	B	Dmax	CD	Montage-schlüssel**
26	2	**A2BNC R/L 26J0221**	2,2	1,8	21,4	110	8,0	42	21	170.137
32	2	**A2BNC R/L 32J0221**	2,2	1,8	25,0	110	8,0	42	21	170.137
26	3	**A2BNC R/L 26J0321**	3,0	2,4	21,4	110	8,0	42	21	170.137
32	3	**A2BNC R/L 32J0321**	3,0	2,4	25,0	110	8,0	42	21	170.137
26	4	**A2BNC R/L 26J0421**	4,0	3,4	21,4	110	8,0	42	21	170.130
32	4	**A2BNC R/L 32J0421**	4,0	3,4	25,0	110	8,0	42	21	170.130
32	3	**A2BHC R/L 32K0333**	3,0	2,4	25,0	125	8,0	66	33	170.137
32	4	**A2BHC R/L 32K0433**	4,0	3,4	25,0	125	8,0	66	33	170.137

** Montageschlüssel 170.137 und 170.130 sind separat zu bestellen.

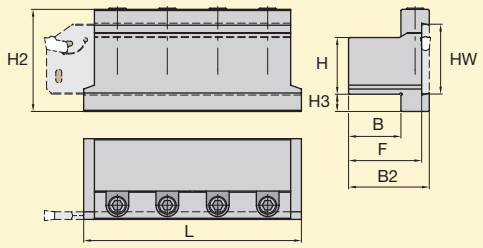
Bestellbeispiel :
A2BNSN19X0116

A2TE – einteiliger Spannschaft



HW	H	Katalognummer	B	F	H2	B2	H3	L	Spann-element	Schraube für Spann-element	Hex (mm)
19	16	**A2TEN1616X19**	16	24,0	30	26,0	4,0	75	-	**125.520**	4
26	20	**A2TEN2020X26**	20	29,5	40	34,0	8,0	86	-	**125.625**	5
32	25	**A2TEN2520J32**	20	30,5	49	36,0	8,0	110	-	**125.630**	5
26	25	**A2TEN2523X26**	23	33,5	41	38,0	3,0	86	-	**125.625**	5
32	32	**A2TEN3228J32**	28	38,5	50	44,0	3,0	110	-	**125.630**	5
52	40	**A2TEN4035X52**	35	50,0	80	58,0	20,0	135	-	**125.835**	6
52	50	**A2TEN5038X52**	38	50,0	80	59,0	9,0	135	-	**125.835**	6

A2TZ – zweiteiliger abnehmbarer Spannelement



HW	H	Katalognummer	B	F	H2	B2	H3	L	Spann-element	Schraube für Spann-element	Hex (mm)
26	20	**A2TZN2019X26**	19	33,5	44	38,0	9,0	86	168.682	125.616	5
32	25	**A2TZN2523J32**	23	34,5	48	40,0	8,0	110	168.936	125.616	5
32	32	**A2TZN3225J32**	25	36,5	48	42,0	3,0	110	168.936	125.616	5

Bestellbeispiel :
A2TEN1616X19

A2 Abstechdrehen – Technische Daten

Einsatzempfehlungen

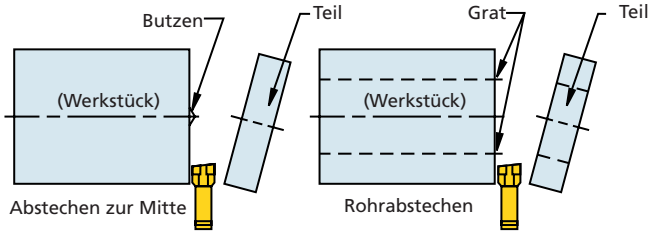
Definitionen und Richtlinien

1. Schnittbreite (W) = Breite der Wendeschneidplatte
2. Einstellwinkel = 0° (neutral) 6°, 10°, 15°, 16° (rechts oder links)

Zur Vermeidung von Grat auf den Abstechflächen:

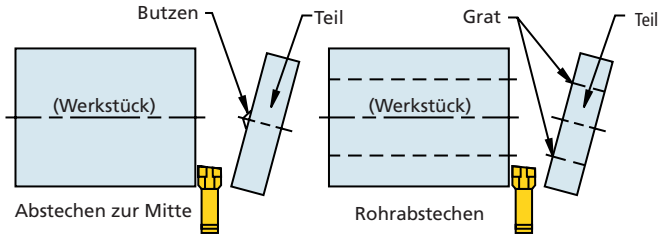
- Zur Minimierung der Gratbildung am Abstechteil Wendeschneidplatte mit Einstellwinkel verwenden (Abb. 1 & 2). Der Einstellwinkel an einer Abstechplatte reduziert die Gratbildung am Teil, verringert jedoch die Standzeit und erhöht die seitliche Durchbiegung und möglicherweise die Taktzeit.

Abb. 1
Wendeschneidplattenauswahl **Einstellwinkel rechts**



Verwendung von rechter Wendeschneidplatte führt zur Butzen- oder Gratbildung am Werkstück, nicht jedoch am Abstechteil.

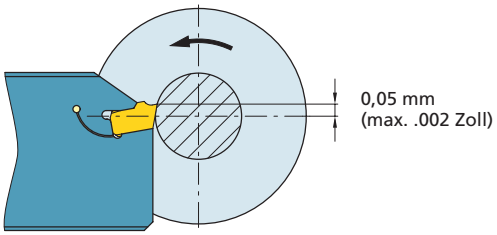
Abb. 2
Wendeschneidplattenauswahl **Einstellwinkel links**



Verwendung von linker Wendeschneidplatte führt zur Butzen- oder Gratbildung am Abstechteil, nicht jedoch am Werkstück.

- Werkzeughöhe prüfen und auf die Mitte des Teildurchmessers ausrichten.
- Die Schneidenhöhe sollte sich innerhalb von 0,1 mm (±.004 Zoll) zur Mitte befinden; die empfohlene Schneidenposition liegt 0,05 mm (.002 Zoll) über der Mitte.

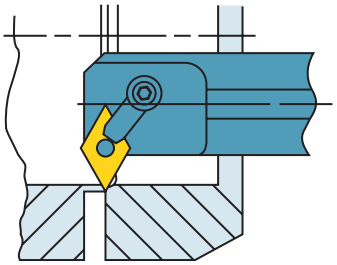
Abb. 3
Über Mitte:



- Ist ein Einstellwinkel von 0° erforderlich, wählen Sie die kleinstmögliche Abstechplatten- und Stecheinsatzbreite. Dadurch wird die Butzen- oder Gratlänge minimiert. Verringern Sie den Vorschubwert auf maximal 0,05 mm (002 Zoll), wenn der Durchmesser gleich der Wendeschneidplattenbreite ist.

- Bei Rohrteilen, bei denen eine Innenfasung erforderlich ist, das Innenfasenwerkzeug auf die Abstechfläche ausrichten. Auf diese Weise wird das Teil durch den Fasungsvorgang von der Stange getrennt (siehe Abb. 4). Beachten Sie, dass das Teil auf die Stange fallen kann, und somit von dieser aufgefangen wird.

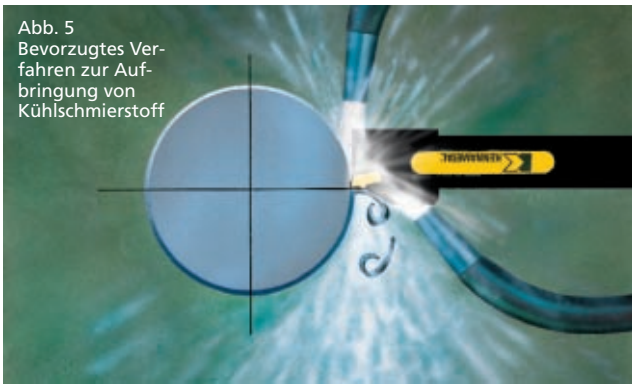
Ab. 4
Innenfasen-Ausrichtung



Zur Verbesserung der Oberflächengüte der Abstechflächen:

- Verwenden Sie eine Wendeschneidplatte mit einem Einstellwinkel von 0°.
- Erhöhen Sie die Kühlschmierstoffzufuhr oder optimieren Sie die Aufbringungsmethode, wie in Abb. 5 dargestellt.
- Verringern Sie den Vorschub kurz vor dem Durchbruchpunkt der Schneide.
- Stellen Sie sicher, dass das Stechwerkzeug auf den richtigen Winkel eingestellt ist.
- Verwenden Sie Stecheinsätze mit der größtmöglichen Bauhöhe und kleinstmöglichen Stechbreite.
- Verwenden Sie Sorte KT315, insbesondere bei Gegenspindelmaschinen oder beim Abstechen zu einer Durchgangsbohrung.
- Erhöhen Sie die Geschwindigkeit.

Abb. 5
Bevorzugtes Verfahren zur Aufbringung von Kühlschmierstoff



- Montieren Sie das Abstechwerkzeug über Kopf. Durch die Schwerkraft können die Späne abgeführt werden, wodurch ein zweimaliges Schneiden der Späne vermieden wird. Ein weiterer Vorteil dieser Montagemethode besteht darin, dass ein Einklemmen der Späne zwischen Wendeschneidplatte und den Seitenwänden der Nut verhindert wird.

Kompatibilität zwischen A2 und A3:

A2- und A3-Wendeschneidplatten können unter Einhaltung folgender Richtlinien in allen Haltern mit Schraubklemmung verwendet werden:

- A2-Wendeschneidplatten können in A3-Haltern mit gleichen Plattensitzgrößen verwendet werden.
- A3-Wendeschneidplatten können NICHT in Stecheinsätzen mit Selbstklemmung verwendet werden.
- A2-Wendeschneidplatten werden NICHT für Axialeinstech-Klemmhalter empfohlen.
- A2-Wendeschneidplatten können in modularen A3-Stecheinsätzen verwendet werden, sofern die oben beschriebenen Richtlinien befolgt werden.

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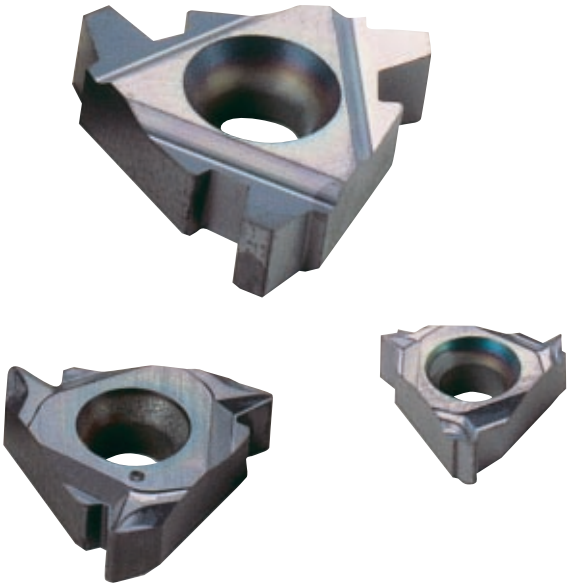
Bestellnummer: 2253135

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Gewindedrehwerkzeuge

Anwendungsübersicht für Gewindedrehwerkzeuge **C2**
Schneidstoffübersicht für Gewindedrehanwendungen **C3**

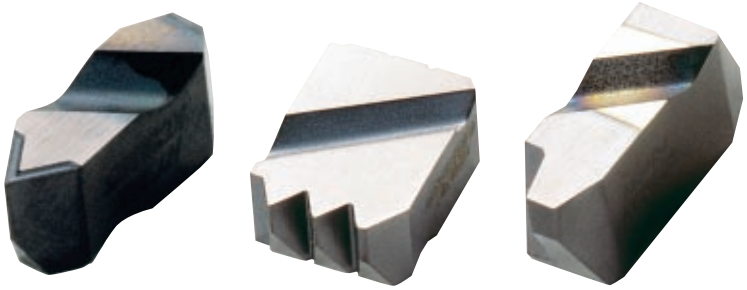
LT Gewindedrehen **C4**

KENNA PERFECT Auswahlhilfe C6
Wendeschneidplatten C9
Klemmhalter C24
Bohrstangen und -köpfe C27

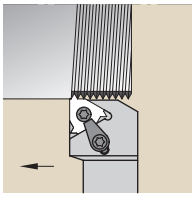
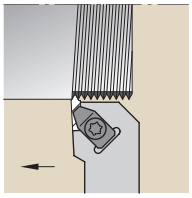
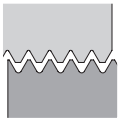
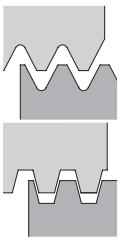
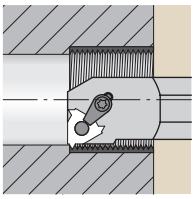
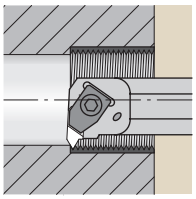
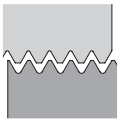
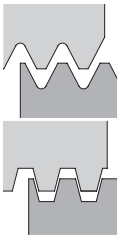
TOP NOTCH Gewindedrehen **C30**

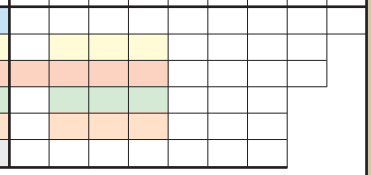
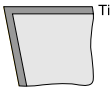
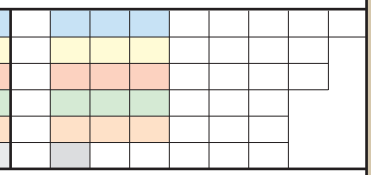
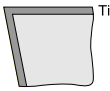
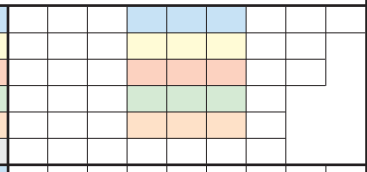
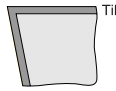
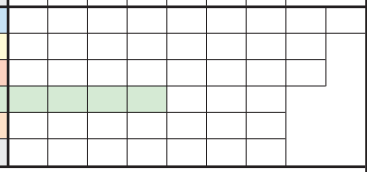
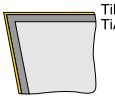
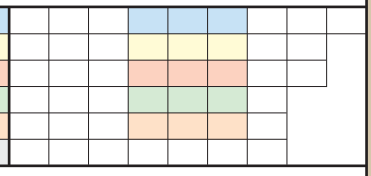
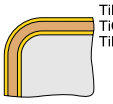
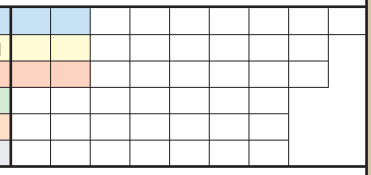
KENNA PERFECT Auswahlhilfe C32
Wendeschneidplatten C35
Klemmhalter C48
Bohrstangen und -köpfe C52
Kurzklemmhalter C55

Technische Daten **C56**



Anwendungsübersicht für Gewindedrehwerkzeuge

Anwendung	Flach liegende, dreieckige LT-Gewindeschneidplatten	TOP NOTCH Gewindeschneidplatten
Außengewinde-drehen	Klemmhaltergrößen mit quadratischem Schaft: • Zoll – .500 - 1.25 Zoll erhältlich • metrisch – 12 mm - 32 mm erhältlich auch in KM- und KM Micro-Schnellwechselausführung erhältlich 	Klemmhaltergrößen mit quadratischem Schaft: • Zoll – .375 - 1.5 Zoll erhältlich • metrisch – 10 mm - 32 mm erhältlich auch in KM- und KM Micro-Schnellwechselausführung erhältlich 
Feingewinde 	Vollprofil und Teilprofil maximal 48 Gänge/Zoll (UN) Gewindesteigung von mind. 0,5 mm (ISO) Vorteile: • Spanformer bei Vollprofil-Gewindeschneidplatten (bis 32 Gänge/Zoll und Gewindesteigung von 0,5 mm) • Unterlagen ermöglichen die Anpassung der Schneidplattenneigung für Linksgewinde und Gewinde mit kleinem Durchmesser	Vollprofil: maximal 32 Gänge/Zoll (UN) Gewindesteigung von mind. 1,5 mm (ISO) Teilprofil – Ohne Spanformer (NTF und NTK): maximal 44 Gänge/Zoll (UN) Gewindesteigung von mind. 0,6 mm (ISO) Teilprofil – Mit Spanformer (NT-K): maximal 36 Gänge/Zoll (UN) Gewindesteigung von mind. 0,7 mm (ISO) Vorteile: • einfaches System, das keine Unterlagenauswahl erfordert • die hohe Klemmsicherheit ermöglicht weniger Schnittdurchgänge und erzielt zuverlässige Leistungen selbst bei schwer zu zerspanenden Werkstoffen
Grobgewinde 	Vollprofil: mindestens 8 Gänge/Zoll (UN) Gewindesteigung von max. 5,0 mm (ISO) Teilprofil: mindestens 5 Gänge/Zoll (UN) Gewindesteigung von max. 5,0 mm (ISO) Vorteile: • Spanformer bei Vollprofil-Gewindeschneidplatten (bis 8 Gänge/Zoll und Gewindesteigung von 3,0 mm) • Unterlagen ermöglichen die Anpassung der Schneidplattenneigung für Linksgewinde und Grobgewinde oder mehrgängige Gewinde	Vollprofil: mindestens 7 Gänge/Zoll (UN) Gewindesteigung von max. 3,0 mm (ISO) Teilprofil – Mit und ohne Spanformer (NT-C und NT-CK): mindestens 4,5 Gänge/Zoll (UN) Gewindesteigung von max. 5,5 mm (ISO) Vorteile: • einfaches System, das keine Unterlagenauswahl erfordert • die hohe Klemmsicherheit ermöglicht weniger Schnittdurchgänge und erzielt zuverlässige Leistungen selbst bei schwer zu zerspanenden Werkstoffen • Ideal für Grobgewindeformen wie Acme, amerikanisches Buttress, API sowie Mehrzahn-Gewindeschneiden
Innengewinde-drehen	Bohrstangendurchmesser: • Zoll – .375 - 1.25 Zoll • metrisch – 12 mm - 32 mm • Stahl- und Hartmetallschäfte • min. Bohrung – 13 mm (.500 Zoll) Bohrkopfgrößen: • Zoll – 1.0 - 2.0 Zoll • metrisch – 40 mm - 50 mm • min. Bohrung – 45 mm (1.20 Zoll) auch als KM-Schnellwechsel-Werkzeugsystem erhältlich 	Bohrstangendurchmesser: • Zoll – .312 - 2.5 Zoll • metrisch – 7,9 mm - 50 mm • Stahl, Hartmetall und Schwermetallschäfte (nur Zoll) • min. Bohrung – 11,5 mm (.440 Zoll) Bohrkopfgrößen: • Zoll – 1.25 - 2.5 Zoll • metrisch – 32 mm - 60 mm • min. Bohrung – 44 mm (1.75 Zoll) auch als KM-Schnellwechsel-Werkzeugsystem erhältlich 
Feingewinde 	Vollprofil und Teilprofil maximal 48 Gänge/Zoll (UN) Gewindesteigung von mind. 0,5 mm (ISO) Vorteile: • Spanformer bei Vollprofil-Gewindeschneidplatten (bis 36 Gänge/Zoll und Gewindesteigung von 0,5 mm) • Unterlagen ermöglichen die Anpassung der Schneidplattenneigung für Linksgewinde und Gewinde mit kleinem Durchmesser bei Bohrstangen über 16 mm (.625 Zoll)	Vollprofil: maximal 16 Gänge/Zoll (UN) Gewindesteigung von mind. 1,5 mm (ISO) Teilprofil – Ohne Spanformer (NT-1L, NTF und NTK): maximal 24 Gänge/Zoll (UN) Gewindesteigung von mind. 1,0 mm (ISO) Teilprofil – Mit Spanformer (NT-K): maximal 20 Gänge/Zoll (UN) Gewindesteigung von mind. 1,25 mm (ISO) Vorteile: • einfaches System, das keine Unterlagenauswahl erfordert • die hohe Klemmsicherheit ermöglicht weniger Schnittdurchgänge und erzielt zuverlässige Leistungen selbst bei schwer zu zerspanenden Werkstoffen
Grobgewinde 	Vollprofil: mindestens 8 Gänge/Zoll (UN) Gewindesteigung von max. 5,0 mm (ISO) Teilprofil: mindestens 5 Gänge/Zoll (UN) Gewindesteigung von max. 5,0 mm (ISO) Vorteile: • Spanformer bei Vollprofil-Gewindeschneidplatten (bis 8 Gänge/Zoll und Gewindesteigung von 2,5 mm) • Unterlagen ermöglichen die Anpassung der Schneidplattenneigung für Linksgewinde, Grobgewinde oder mehrgängige Gewinde bei Bohrstangen über 16 mm (.625 Zoll)	Vollprofil: mindestens 8 Gänge/Zoll (UN) Gewindesteigung von max. 3,0 mm (ISO) Teilprofil – Mit und ohne Spanformer (NT-C und NT-CK): mindestens 4,5 Gänge/Zoll (UN) Gewindesteigung von max. 5,5 mm (ISO) Vorteile: • einfaches System, das keine Unterlagenauswahl erfordert • die hohe Klemmsicherheit ermöglicht weniger Schnittdurchgänge und erzielt zuverlässige Leistungen selbst bei schwer zu zerspanenden Werkstoffen • Ideal für Grobgewindeformen wie Acme, amerikanisches Buttress, API sowie Mehrzahn-Gewindeschneiden

Typ	Schneidstoff	Schichtaufbau	Zusammensetzung und Einsatzempfehlung	Normbezeichnung / Anwendungsbereich (Verschleißfestigkeit – Zähigkeit; 05 10 15 20 25 30 35 40 45)
		C-Klasse		
Unbeschichtete Hartmetallsorten	**K68**	 C3	**Zusammensetzung:** Hartes, feinkörniges, unlegiertes WC/Co mit geringem Bindergehalt. **Einsatz:** Die Sorte K68 verfügt über eine ausgezeichnete Verschleißfestigkeit für die Bearbeitung von Gusseisen, austenitischen nicht rostenden Stählen, NE-Metallen, Nichtmetallen und ist bei den meisten schwer zerspanbaren Werkstoffen als Alternative zu Sorte K313 einsetzbar. Als Universal-Sorte für NE-Werkstoffe zu verwenden.	
PVD-beschichtete Hartmetallsorten	**KC5010**	 C3, C4	**Zusammensetzung:** Eine verbesserte PVD-TiAlN-Beschichtung auf einem unlegierten Hartmetallsubstrat mit hervorragender Widerstandsfähigkeit gegen plastische Deformation. Die neue und verbesserte Beschichtung von KC5010 ermöglicht eine Erhöhung der Schnitt-geschwindigkeit im Bereich von 50 bis 100 %. **Einsatz:** KC5010 eignet sich ideal für das Schlichten und die allgemeine Bearbeitung der meisten Werkstoffe bei höheren Geschwindigkeiten. Ausgezeichnet für die Bearbeitung der meisten Stähle, nicht rostenden Stähle, Gusseisen, NE-Werkstoffe und schwer zerspanbaren Werkstoffe bei stabilen Bedingungen geeignet. Erzielt auch bei der Bearbeitung von gehärteten und kurzspanenden Werkstoffen gute Ergebnisse.	
	KC5025	 C2, C6	**Zusammensetzung:** Eine verbesserte PVD-TiAlN-beschichtete Sorte mit einem zähen, extra feinkörnigen, unlegierten Substrat. **Einsatz:** Für die universelle Bearbeitung der meisten Stähle, nicht rostenden Stähle, schwer zerspanbaren Werkstoffe, Titan, Eisen und NE-Werkstoffe. Für niedrige bis mittlere Geschwindigkeiten sowie Schnittunterbrechungen und hohe Vorschubwerte.	
	KC5410	 C3 – C4	**Zusammensetzung**: Eine PVD-TiB2-Beschichtung auf einem unlegierten Substrat mit hervorragender Widerstandsfähigkeit gegen plastische Deformation. **Einsatz**: Die Sorte KC5410 ist für das Schruppen, Vorschlichten und Schlichten von leicht zerspanbarem Aluminium (untereutektisch < 12,2 % Si), Aluminiumlegierungen und Magnesiumlegierungen vorgesehen. Die TiB2-Beschichtung ist härter als die TiN- und TiAlN-Beschichtungen und hat eine außergewöhnlich glatte Oberfläche, was eine geringe Oberflächenreibung, schnellen Spanfluss und ausgezeichnete Verschleißfestigkeit zur Folge hat. Darüber hinaus wird die Aufbauschneidenbildung verhindert, da diese Beschichtung eine äußerst geringe Affinität zu Aluminium aufweist. Das Substrat ist unlegiert und feinkörnig und verfügt über scharfe Kanten, glatte Oberflächen sowie ausgezeichnete thermische Festigkeit und Kantenstabilität. Umfanggeschliffene Wendeschneidplatten werden vor der Beschichtung poliert und verfügen über eine scharfe Schneidkante. Am Umfang abgepresste Wendeschneidplatten haben eine geringe Kantenverrundung.	
	KU25T NEU!	 C2, C6	**Zusammensetzung:** Eine verbesserte PVD-Beschichtung auf einem zähen und extrem verschleißfesten Hartmetallsubstrat. **Einsatz:** KU25T eignet sich ideal für das Schlichten und die universale Bearbeitung der meisten Werkstoffe. Mit einem höheren Kobaltgehalt als KU10T verfügt diese Sorte über die nötige Zähigkeit, um den Ansprüchen beim Einstechen, Gewindeschneiden und Abstecken gerecht zu werden. KU25T ist ausgezeichnet für die Bearbeitung der meisten Stähle, nicht rostenden Stähle, Gusseisen, NE-Werkstoffe und schwer zerspanbaren Werkstoffe bei stabilen Bedingungen geeignet. KU25T lässt sich auch effektiv bei der Bearbeitung von gehärteten und kurzspanenden Werkstoffen einsetzen.	
PVD-beschichtetes Cermet	**KT315**	 C3, C7	**Zusammensetzung:** Eine Cermet-Drehsorte mit PVD-TiN/TiCN/TiN-Multilayer-Beschichtung. **Einsatz:** Ideal für das Hochgeschwindigkeitsschlichten und die mittlere Bearbeitung der meisten unlegierten und legierten Stähle sowie nicht rostenden Stähle. Auch sehr gut für Sphäroguss geeignet. Gewährleistet eine lange Werkzeuglebensdauer und erzeugt ausgezeichnete Oberflächengüten.	

Engineering Your Competitive Edge®

LT – Flach liegende, dreieckige Gewindeschneidplatten ...

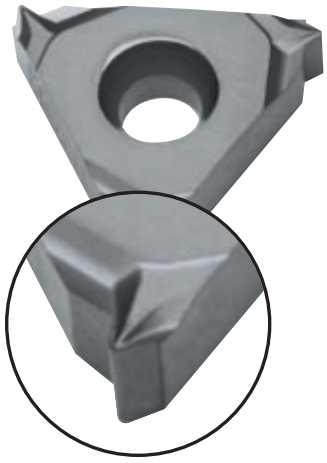


... Wendeschneidplatten und Werkzeuge für höchste Genauigkeit und Qualität in der täglichen Produktion!

Wahl des LT Gewindeschneidsystems

- LT ist die erste Wahl zur Herstellung von Feingewinden und mehrgängigen Gewinden sowie zum Gewindedrehen in kleinem Bohrungsdurchmesser.
- Eine große Auswahl an CB-Wendeschneidplatten mit Spanformer ermöglichen eine ausgezeichnete Spankontrolle für hervorragende Oberflächengüten und weniger Bedienereingriffe.
- Dieses System verfügt über eine umfassende Auswahl an metrischen (ISO) und gängigen europäischen Gewindeformen.
- Das flache Profil des LT-Werkzeugsystems ermöglicht einen ungehinderten Spanfluss – ideal für Innengewinde.
- Unterlagen mit unterschiedlichen Neigungswinkeln gewährleisten die passende Schnittgeometrie für das Gewindedrehen mit hohem und negativem Steigungswinkel. Dadurch werden längere Standzeiten und höhere Gewindequalitäten erzielt.
- Durch die drei Schneidkanten der LT-Wendeschneidplatte werden deutlich höhere Standmengen erreicht und dadurch die Wirtschaftlichkeit verbessert.





Präzisionsgeschliffene Gewindeform bei LT und LT-CB

- minimiert die Aufbauschneidenbildung
- präzise Bearbeitung der meisten gebräuchlichen Werkstoffe
- reduziert die Schnittkräfte
- gewährleistet höchste Qualität und Genauigkeit

Ausgezeichnete Spankontrolle

- vermeidet lange, unkontrollierte Wendelspäne
- hervorragend für die Herstellung von Innengewinden geeignet
- sowohl Teilprofil- als auch Vollprofil-Gewindeschneidplatten für alle gängigen Gewindeformen erhältlich

PVD-TiAlN-beschichtete Premiumsorten KC5010 + KC5025

- Verlängerung der Standzeit bei gegebenen Bearbeitungsbedingungen
- Erhöhung der Produktivität durch bis zu 30 % höhere Schnittgeschwindigkeiten verglichen mit konventionellen PVD-Sorten

Neue KENNA UNIVERSAL Wendeschneidplatten

- Präzisionsgepresste LT-K-Gewindeform sorgt für hervorragende Einsatzvielfalt und Wirtschaftlichkeit
- eine ausgezeichnete Spankontrolle in Verbindung mit der neuen Sorte KU25T ermöglicht eine problemlose Bearbeitung zahlreicher Werkstoffe

KENNA PERFECT – LT Gewindedrehen

5 einfache Schritte zu höherer Produktivität

Was Sie wissen müssen:

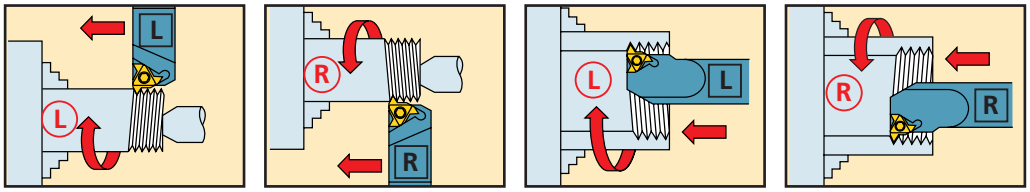
- Außen-/Innenbearbeitung
- Spindeldrehung/Gewinderichtung
- Vorschubrichtung

1. Schritt – Wahl des Gewindeschneidverfahrens und der Ausführung des Werkzeuges

(L) oder (R) – Ausführung

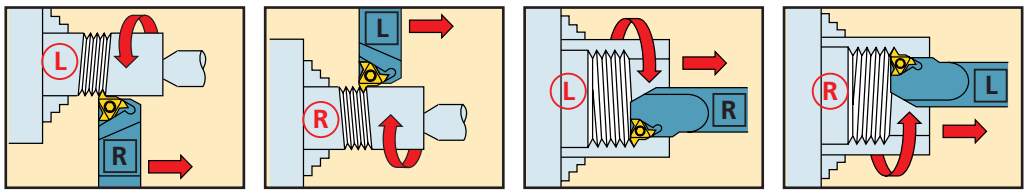
[L] oder [R] – Richtung des Klemmhalters/der Wendeschneidplatte

• Vorschubrichtung gegen das Spannfutter – Standard-Steigungswinkel



Außengewinde links | Außengewinde rechts | Außengewinde links | Außengewinde rechts

• Vorschubrichtung weg vom Spannfutter – umgekehrter Steigungswinkel



Außengewinde links | Außengewinde rechts | Außengewinde rechts | Außengewinde links

2. Schritt – Wahl der für die Anwendung geeigneten Wendeschneidplatte

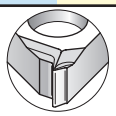
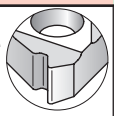
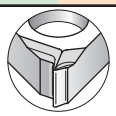
- Siehe Gewindeschneidplattenübersicht auf Seite C9.
- Wählen Sie Vollprofilgewindeschneidplatten für ein volausgeformtes Gewindeprofil einschließlich Durchmesser. Vollprofilgewindeschneidplatten machen ein Entgraten überflüssig und erzielen bei dieser Gewindesteigung die besten Standzeiten.
- Teilprofilgewindeschneidplatten erlauben das Schneiden verschiedener Gewindesteigungen mit nur einer Schneidplatte.
- Wendeschneidplattengröße für Klemmhalterauswahl beachten.



Wendeschneid-plattengröße	Katalognummer	KC5025	KC5010
11	LT11NRA60	●	●
16	LT16NRAG60	●	●

3. Schritt – Wahl des Schneidstoffs und der Schnittgeschwindigkeit

Empfehlungen zur Schneidstoff- und Schnittgeschwindigkeitswahl – m/min (sfm)

	Werkstoff	Stahl	Nicht rostender Stahl	Gusseisen	NE-Metalle	Schwer zerspanbare Werkstoffe
KENNA PERFECT	Wende-schneid-platten-Ausführung	CB-Spanformstufe 		Flache Geometrie 	CB-Spanformstufe 	
	Optimale Schnitt-bedingungen	KC5010 50 - 230 (160 - 750)	KC5010 50 - 185 (160 - 600)	KC5010 70 - 210 (230 - 700)	KC5010 70 - 390 (230 - 1300)	KC5010 20 - 120 (65 - 400)
	Erste Wahl	KC5025 40 - 200 (130 - 650)	KC5025 40 - 135 (130 - 450)	KC5025 60 - 145 (200 - 475)	KC5025 50 - 360 (160 - 1150)	KC5025 10 - 100 (35 - 330)
KENNA UNIVERSAL	Wende-schneid-platten-Ausführung	-K-Spanformstufe 				
	Auswahl	KU25T 25 - 140 (80 - 450)	KU25T 25 - 100 (80 - 350)	KU25T 30 - 110 (100 - 360)	KU25T 30 - 300 (100 - 1000)	KU25T 10 - 85 (35 - 280)

CB-Wendeschneidplatten mit Spanformer sind für manche Gewindeformen nicht verfügbar.
In diesen Fällen können sie durch flache Wendeschneidplatten ersetzt werden.

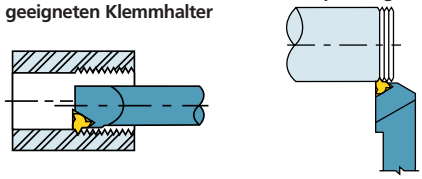
4. Schritt – Wahl des Klemmhalters aus dem Katalog

Hinweis: Die Wendeschneidplattengröße muss mit der Plattengröße des gewählten Klemmhalters übereinstimmen:

Erforderliche Informationen:

- Außen-/Innenbearbeitung
- minimaler Bohrungsdurchmesser (für die Innenbearbeitung)
- Richtung des Werkzeugs
- Wendeschneidplattengröße

Wählen Sie den für die Wendeschneidplattengröße und Ausführungsrichtung geeigneten Klemmhalter



Katalog-nummer	Wende-schneidplatte	min. Bohrungs-durchmesser	Unterlage
S1212LSER3 Zoll	LT16NR	.90 in	SM-YI3
A2020LSER16 Metrisch	LT16NR	16 mm	SM-YI3

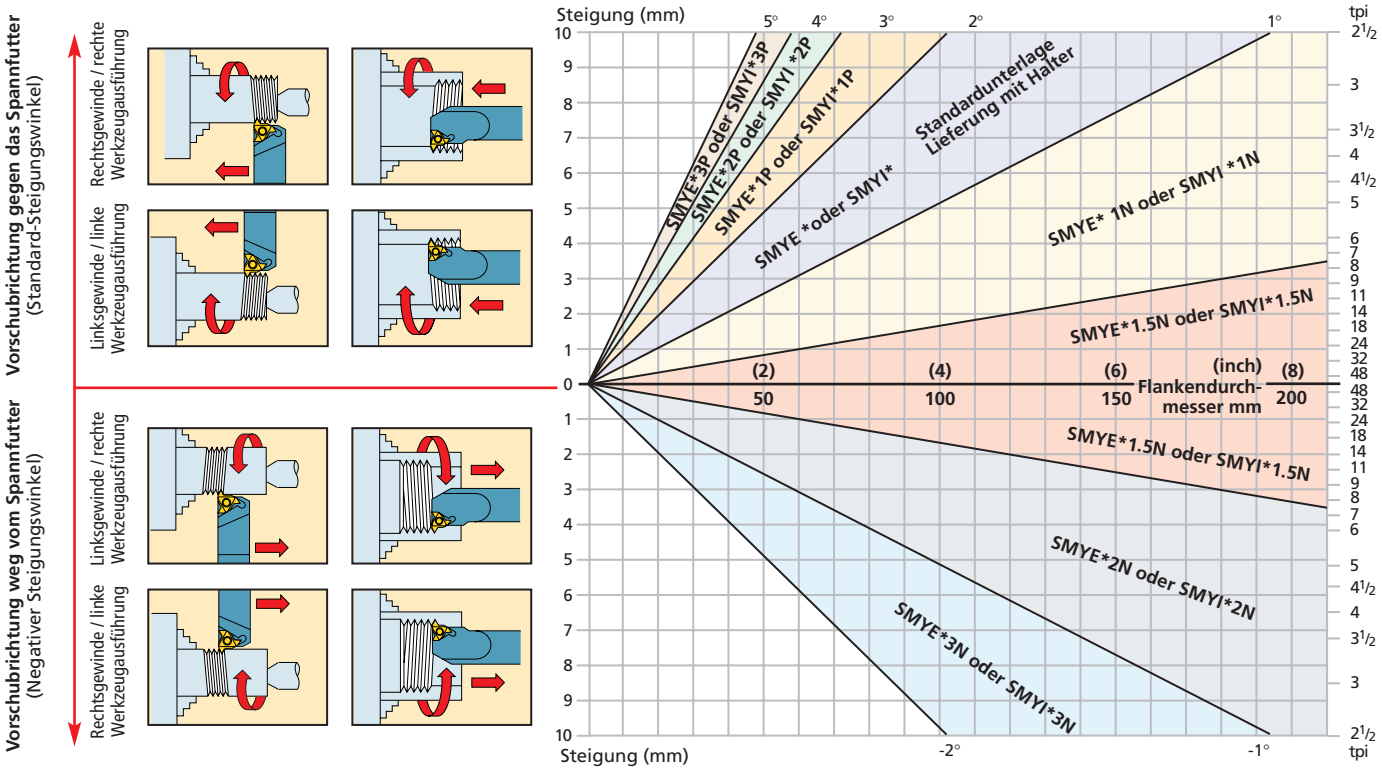
5. Schritt – Wahl der passenden Unterlage

Erforderliche Informationen:

- Gewindeform (Gang/Zoll oder Steigung)
- Flankendurchmesser
- Gewindesteigung (Ausführungs-, Vorschub-, Gewinderichtung)

Auswahl der passenden Unterlage

SMYE... für rechte Außen- oder linke Innengewinde
SMYI... für rechte Innen- oder linke Außengewinde

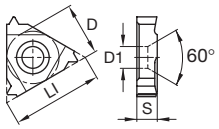


*kennzeichnet Unterlagengröße: 3 = Wendeschneidplattengröße 16 (3/8 in. D)
4 = Wendeschneidplattengröße 22 (1/2 in. D)

Unterscheidet sich die empfohlene Unterlage von der im Lieferumfang des Klemmhalters enthaltenen Unterlage, so ist sie separat zu bestellen.

HINWEIS: Optimieren Sie Ihre Gewindeschneidoperation durch die Wahl des geeigneten Zustellwinkels und der empfohlenen Zustellwerte. Siehe technische Daten auf den Seiten C56-C58 in diesem Katalog. Genauere Informationen zur Unterlagenauswahl sind auf den Seiten C59-C61 aufgeführt.

Wende-schneid-platten-größe	LI (mm)	D (mm)	D (Zoll)	S (mm)	S (Zoll)	D1 (mm)	D1 (Zoll)
11	11,0	6,35	.250	3,20	.126	3,25	.128
16	16,5	9,52	.375	3,63	.143	3,94	.155
22	22,0	12,70	.500	4,78	.188	4,88	.192

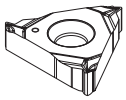


2. Schneidkantenlänge (Größe)

ER – außen, rechts
EL – außen, links
NR – innen, rechts
NL – innen, links

3. Schneidenrichtung

□ – flach
CB – Spanformstufe
K – KENNA UNIVERSAL Spanformstufe

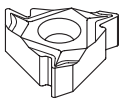


6. Spankontrolle

LT	16	ER	20	UN	CB

1. Wende-schneidplattentyp

flach liegende LT-Dreiecksplatten



4. Gewindesteigung

Bezeichnung	Gewinde-steigung (mm)	TPI Steigung Gänge/Zoll
Teilprofil		
A	0,50 - 1,5	48 - 16
AG	0,50 - 3,0	48 - 8
G	1,75 - 3,0	14 - 8
N	3,50 - 5,0	7 - 5
Vollprofil		
tatsächliche TPI oder Steigung in mm	0,5 - 4,0	48 - 8

5. Gewindeprofil

ISO	– metrisches ISO-Gewinde, 60°
UN	– Amerikanisches UN-Gewinde, 60°
60	– Teilprofil, 60°
55	– Teilprofil, 55°
W	– Whitworth, 55°
BSPT	– Britisches Rohrgewinde, 55°
NPT	– Amerikanisches Rohrgewinde, 60°
ACME	– Amerikanisches Acme-Gewinde
STACME	– Amerikanisches Acme-Gewinde, verkürzt
TR	– Trapezgewinde, DIN 103
RD	– Rundgewinde, DIN 405
UNJ	– Kontrollierter Grundradius, 60°
NPTF	– Dichtgewinde, 60°
API	– Gewinde nach Norm des American Petroleum Institute
BUT	– API Buttress-Futterrohr
APIRD	– API-Rundgewinde

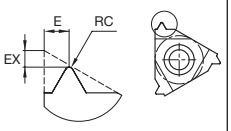


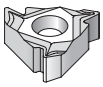
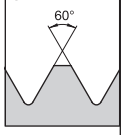
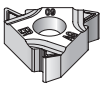
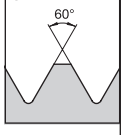
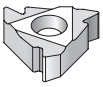
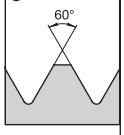
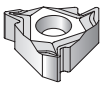
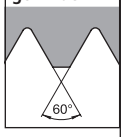
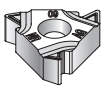
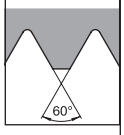
Der Vorteil von Kennametal LT:

Jede Box mit 10 Wendeschneidplatten enthält einen kostenlosen Torx-Schlüssel und eine Ersatzschraube.
(Außer für LT-K Wendeschneidplatten)

Ausführung								
Spanformer CB	Spanformer-K	ohne Spanformer	Gewindeprofil	Norm	Toleranzklasse	Vollprofil	Einsatzbereich	Seite
LT-60CB 	LT-60K 	LT-60 	Teilprofil 60°	-	-		Allgemeine Verwendung für 60°-Gewindeformen wie ISO und UN, wenn Teilprofilgewindeschneidplatten für verschiedene Steigungen eingesetzt werden sollen.	C10
LT-ISOCB 	LT-ISOK 	LT-ISO 	Metrisches ISO-Gewinde	ISO R262, DIN 13	6g / 6H		in allen Industriezweigen gebräuchliche 60°-V-Form mit metrischen Abmessungen	C11
LT-UNCB 	LT-UNK 	LT-UN 	Amerikanisches UN-Gewinde	ANSI B1.1:74	2A / 2B	●	in allen Industriezweigen gebräuchliche 60°-V-Form mit Zoll-Abmessungen	C13
		LT-UNJ 	UNJ	MIL-S-8879C	3A / 3B	●	kontrollierter Grundradius bei Außengewinden für die Militär- und Luftfahrtindustrie	C15
LT-NPTCB 		LT-NPT 	NPT	USAS B2.1:1968	Standard NPT	●	US Rohrgewinde-Standardformen für Rohrleitungsanschlüsse	C15
LT-NPTFCB 		LT-NPTF 	NPTF	ANSI B1.20.3-1976	Class 2	●	NPT-Form in Dichtgewinde-Ausführung für Rohrleitungsanschlüsse	C16
		LT-55 	Teilprofil 55°	-	-		Allgemeine Verwendung für 55°-Gewindeformen wie Whitworth, BSW und BSP, wenn Teilprofilgewindeschneidplatten zum Schneiden verschiedener Steigungen eingesetzt werden sollen.	C17
LT-WCB 		LT-W 	Whitworth, BSW, BSP	BS 84:1956, ISO 228/1:1982, DIN 259	Medium Class A	●	allgemein gebräuchliche 55°-Form für Gas- und Wasseranschlüsse	C17
		LT-BSPT 	BSPT	BS 21:1985	Standard BSPT	●	55°-Form für Rohranschlüsse	C19
		LT-API 	API Rotary Shoulder Connections	API SPEC. 7:1990	Standard API	●	60°-V-Form für Drehschulter-Rohrverbindungen in der Öl- und Gasindustrie, einschließlich der Formen V-.038R, V-.040 und V-.050	C19
		LT-BUT 	API Buttress Casing	API SPEC. 7:1990	Standard API	●	Buttress-Ausführung für Futterrohrverbindungen in der Öl- und Gasindustrie	C19
		LT-APIRD 	API Round	API STD. 5B:1979	Standard API RD	●	60°-V-Form mit großem Radius für Futterrohre, Steigrohre und Leitungsrohre in der Öl- und Gasindustrie, einschließlich der Rundformen 8 und 10	C20
		LT-ACME 	Acme	ANSI B1.5:1988	3G		29°-Trapezgewindeform für Bewegungsanwendungen in zahlreichen Industriezweigen	C20
		LT-STACME 	Stub Acme	ANSI B1.8:1988	2G		29°-Trapezgewindeform mit geringer Tiefe für Bewegungsanwendungen in zahlreichen Industriezweigen	C21
		LT-TR 	Trapezgewinde	DIN 103	7e / 7H		metrische 30°-Trapezgewindeform für Bewegungsanwendungen	C21
		LT-RD 	Rundgewinde	DIN 405	7h / 7H	●	runde Gewindeform für Rohranschlüsse in der Chemie- und Lebensmittelindustrie	C22

LT Gewindeschneidplatten



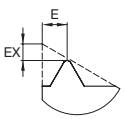
		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	P Steigung (mm)	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	EX Zoll	EX mm	E Zoll	E mm	KC5010	KC5025	KENNA UNIVERSAL KU25T
LT-ER-60CB 	**Teilprofil 60°Außen-gewinde** 	16	**LT16ERAG60CB**		0,50-3,00	48-8	-	.003	0,08	.035	0,9	.059	1,5	●	●	
LT-ER-60K 	**Teilprofil 60° Außen-gewinde** 	16	**LT16ERAG60K**		0,50-3,00	48-8	-	.003	0,08	.047	1,2	.067	1,7			●
		16	**LT16ERG60K**		1,75-3,00	14-8	-	.007	0,18	.047	1,2	.067	1,7			●
LT-ER/L-60 	**Teilprofil 60° Außen-gewinde** 	16	**LT16ERA60**		0,50-1,50	48-16	-	.002	0,05	.031	0,8	.035	0,9	●	●	
		16		**LT16ELA60**	0,50-1,50	48-16	-	.002	0,05	.031	0,8	.035	0,9		●	
		16	**LT16ERAG60**		0,50-3,00	48-8	-	.003	0,08	.047	1,2	.067	1,7	●	●	
		16		**LT16ELAG60**	0,50-3,00	48-8	-	.003	0,08	.047	1,2	.067	1,7		●	
		16	**LT16ERG60**		1,75-3,00	14-8	-	.011	0,28	.047	1,2	.067	1,7	●	●	
		16		**LT16ELG60**	1,75-3,00	14-8	-	.011	0,28	.047	1,2	.067	1,7		●	
		22	**LT22ERN60**		3,50-5,00	7-5	-	.021	0,53	.067	1,7	.098	2,5		●	
		22		**LT22ELN60**	3,50-5,00	7-5	-	.021	0,53	.067	1,7	.098	2,5		●	
LT-NR-60CB 	**Teilprofil 60° Außen-gewinde** 	11	**LT11NRA60CB**		0,50-1,50	48-16	-	.002	0,05	.024	0,6	.031	0,8		●	
		16	**LT16NRAG60CB**		0,50-3,00	48-8	-	.002	0,05	.035	0,9	.059	1,5		●	
		16	**LT16NRG60CB**		1,75-3,00	14-8	-	.006	0,16	.039	1,0	.059	1,5		●	
LT-NR-60K 	**Teilprofil 60° Innen-gewinde** 	11	**LT11NRA60K**		0,50-1,50	48-16	-	.001	0,03	.031	0,8	.035	0,9			●
		16	**LT16NRAG60K**		0,50-3,00	48-8	-	.002	0,04	.047	1,2	.067	1,7			●
		16	**LT16NRG60K**		1,75-3,00	14-8	-	.003	0,08	.047	1,2	.067	1,7			●

Bestellbeispiel:
Katalognummer : **LT16ERAG60CB**
Schneidstoffsorte : **KC5010**

		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	P Steigung (mm)	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	EX Zoll	EX mm	E Zoll	E mm	KC5010	KC5025	KENNA UNIVERSAL KU25T
LT-NR/L-60	Teilprofil 60° Innen-gewinde	11	LT11NRA60		0,50-1,50	48-16	-	.002	0,05	.031	0,8	.035	0,9	●	●	
		11		LT11NLA60	0,50-1,50	48-16	-	.002	0,05	.031	0,8	.035	0,9		●	
		16	LT16NRA60		0,50-1,50	48-16	-	.002	0,05	.031	0,8	.035	0,9	●	●	
		16		LT16NLA60	0,50-1,50	48-16	-	.002	0,05	.031	0,8	.035	0,9		●	
		16	LT16NRAG60		0,50-3,00	48-8	-	.002	0,05	.047	1,2	.067	1,7	●	●	
		16		LT16NLAG60	0,50-3,00	48-8	-	.002	0,05	.047	1,2	.067	1,7		●	
		16	LT16NRG60		1,75-3,00	14-8	-	.006	0,15	.047	1,2	.067	1,7	●	●	
		16		LT16NLG60	1,75-3,00	14-8	-	.006	0,15	.047	1,2	.067	1,7		●	
		22	LT22NRN60		3,50-5,00	7-5	-	.012	0,31	.067	1,7	.098	2,5		●	
		22		LT22NLN60	3,50-5,00	7-5	-	.012	0,31	.067	1,7	.098	2,5		●	
LT-ER-ISOCB	Vollprofil ISO Metrisches Außen-gewinde	16	LT16ER05ISOCB		0,50	-	-	-	-	.047	1,2	.020	0,5	●	●	
		16	LT16ER075ISOCB		0,75	-	-	-	-	.047	1,2	.024	0,6	●	●	
		16	LT16ER10ISOCB		1,00	-	-	-	-	.028	0,7	.031	0,8	●	●	
		16	LT16ER125ISOCB		1,25	-	-	-	-	.028	0,7	.031	0,8	●	●	
		16	LT16ER15ISOCB		1,50	-	-	-	-	.028	0,7	.031	0,8	●	●	
		16	LT16ER175ISOCB		1,75	-	-	-	-	.047	1,2	.059	1,5	●	●	
		16	LT16ER20ISOCB		2,00	-	-	-	-	.047	1,2	.059	1,5	●	●	
		16	LT16ER25ISOCB		2,50	-	-	-	-	.047	1,2	.059	1,5	●	●	
		16	LT16ER30ISOCB		3,00	-	-	-	-	.051	1,3	.059	1,5	●	●	
LT-ER-ISOK	Vollprofil ISO Metrisches - Außen-gewinde	16	LT16ER10ISOK		1,00	-	-	-	-	.028	0,7	.028	0,7			●
		16	LT16ER125ISOK		1,25	-	-	-	-	.043	1,1	.031	0,8			●
		16	LT16ER15ISOK		1,50	-	-	-	-	.031	0,8	.039	1,0			●
		16	LT16ER175ISOK		1,75	-	-	-	-	.047	1,2	.059	1,2			●
		16	LT16ER20ISOK		2,00	-	-	-	-	.039	1,0	.051	1,3			●
		16	LT16ER25ISOK		2,50	-	-	-	-	.047	1,2	.059	1,5			●
		16	LT16ER30ISOK		3,00	-	-	-	-	.051	1,3	.059	1,5			●
LT-ER/L-ISO	Vollprofil ISO Metrisches - Außen-gewinde	16	LT16ER05ISO		0,50	-	-	-	-	.024	0,6	.016	0,4		●	
		16		LT16EL05ISO	0,50	-	-	-	-	.024	0,6	.016	0,4		●	
		16	LT16ER075ISO		0,75	-	-	-	-	.024	0,6	.024	0,6		●	
		16		LT16EL075ISO	0,75	-	-	-	-	.024	0,6	.024	0,6		●	
		16	LT16ER10ISO		1,00	-	-	-	-	.027	0,7	.027	0,7	●	●	
		16		LT16EL10ISO	1,00	-	-	-	-	.027	0,7	.027	0,7		●	
		16	LT16ER125ISO		1,25	-	-	-	-	.031	0,8	.035	0,9	●	●	
		16		LT16EL125ISO	1,25	-	-	-	-	.031	0,8	.035	0,9		●	
		16	LT16ER15ISO		1,50	-	-	-	-	.031	0,8	.039	1,0	●	●	
		16		LT16EL15ISO	1,50	-	-	-	-	.031	0,8	.039	1,0	●	●	
		16	LT16ER175ISO		1,75	-	-	-	-	.035	0,9	.047	1,2	●	●	
		16		LT16EL175ISO	1,75	-	-	-	-	.035	0,9	.047	1,2		●	
		16	LT16ER20ISO		2,00	-	-	-	-	.039	1,0	.051	1,3	●	●	
		16		LT16EL20ISO	2,00	-	-	-	-	.039	1,0	.051	1,3		●	
		16	LT16ER25ISO		2,50	-	-	-	-	.043	1,1	.059	1,5	●	●	
		16		LT16EL25ISO	2,50	-	-	-	-	.043	1,1	.059	1,5		●	
		16	LT16ER30ISO		3,00	-	-	-	-	.047	1,2	.063	1,6	●	●	
		16		LT16EL30ISO	3,00	-	-	-	-	.047	1,2	.063	1,6		●	
		22	LT22ER35ISO		3,50	-	-	-	-	.063	1,6	.090	2,3		●	
		22		LT22EL35ISO	3,50	-	-	-	-	.063	1,6	.090	2,3		●	
		22	LT22ER40ISO		4,00	-	-	-	-	.063	1,6	.090	2,3		●	
		22		LT22EL40ISO	4,00	-	-	-	-	.063	1,6	.090	2,3		●	
		22	LT22ER45ISO		4,50	-	-	-	-	.067	1,7	.094	2,4		●	
		22		LT22EL45ISO	4,50	-	-	-	-	.067	1,7	.094	2,4		●	
		22	LT22ER50ISO		5,00	-	-	-	-	.067	1,7	.098	2,5		●	
		22		LT22EL50ISO	5,00	-	-	-	-	.067	1,7	.098	2,5		●	

Bestellbeispiel:
Katalognummer: LT11NRA60
Schneidstoffsorte : KC5010

LT Gewindeschneidplatten



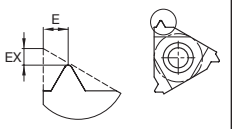
		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	P Steigung (mm)	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	EX Zoll	EX mm	E Zoll	E mm	KC5010	KC5025	KENNA UNIVERSAL KU25T
LT-NR-ISOCB	Vollprofil ISO Metrisches - Innen-gewinde	11	LT11NR05ISOCB		0,50	-	-	-	-	.047	1,2	.020	0,5		●	
		11	LT11NR075ISOCB		0,75	-	-	-	-	.047	1,2	.020	0,5		●	
		11	LT11NR10ISOCB		1,00	-	-	-	-	.028	0,7	.031	0,8		●	
		11	LT11NR125ISOCB		1,25	-	-	-	-	.028	0,7	.031	0,8		●	
		11	LT11NR15ISOCB		1,50	-	-	-	-	.028	0,7	.031	0,8		●	
		16	LT16NR10ISOCB		1,00	-	-	-	-	.028	0,7	.031	0,8		●	
		16	LT16NR125ISOCB		1,25	-	-	-	-	.028	0,7	.031	0,8		●	
		16	LT16NR15ISOCB		1,50	-	-	-	-	.028	0,7	.031	0,8		●	
		16	LT16NR175ISOCB		1,75	-	-	-	-	.043	1,1	.059	1,5		●	
		16	LT16NR20ISOCB		2,00	-	-	-	-	.043	1,1	.059	1,5		●	
		16	LT16NR25ISOCB		2,50	-	-	-	-	.043	1,1	.059	1,5		●	
LT-NR-ISOK	Vollprofil ISO Metrisches Innen-gewinde	11	LT11NR10ISOK		1,00	-	-	-	-	.028	0,7	.031	0,8			●
		11	LT11NR125ISOK		1,25	-	-	-	-	.028	0,7	.031	0,8			●
		16	LT16NR10ISOK		1,00	-	-	-	-	.028	0,7	.028	0,7			●
		16	LT16NR15ISOK		1,50	-	-	-	-	.031	0,8	.039	1,0			●
		16	LT16NR175ISOK		1,75	-	-	-	-	.047	1,2	.059	1,2			●
		16	LT16NR20ISOK		2,00	-	-	-	-	.039	1,0	.051	1,3			●
		16	LT16NR25ISOK		2,50	-	-	-	-	.047	1,2	.059	1,5			●
		16	LT16NR30ISOK		3,00	-	-	-	-	.051	1,3	.059	1,5			●
LT-NR/L-ISO	Vollprofil ISO Metrisches Innen-gewinde	11	LT11NR05ISO		0,50	-	-	-	-	.024	0,6	.016	0,4		●	
		11		LT11NL05ISO	0,50	-	-	-	-	.024	0,6	.016	0,4		●	
		11	LT11NR075ISO		0,75	-	-	-	-	.024	0,6	.024	0,6		●	
		11		LT11NL075ISO	0,75	-	-	-	-	.024	0,6	.024	0,6		●	
		11	LT11NR10ISO		1,00	-	-	-	-	.024	0,6	.027	0,7		●	
		11		LT11NL10ISO	1,00	-	-	-	-	.024	0,6	.027	0,7		●	
		11	LT11NR125ISO		1,25	-	-	-	-	.031	0,8	.035	0,9		●	
		11		LT11NL125ISO	1,25	-	-	-	-	.031	0,8	.035	0,9		●	
		11	LT11NR15ISO		1,50	-	-	-	-	.031	0,8	.039	1,0	●	●	
		11		LT11NL15ISO	1,50	-	-	-	-	.031	0,8	.039	1,0		●	
		11	LT11NR175ISO		1,75	-	-	-	-	.035	0,9	.043	1,1		●	
		11		LT11NL175ISO	1,75	-	-	-	-	.035	0,9	.043	1,1		●	
		11	LT11NR20ISO		2,00	-	-	-	-	.035	0,9	.043	1,1		●	
		11		LT11NL20ISO	2,00	-	-	-	-	.035	0,9	.043	1,1		●	
		16	LT16NR05ISO		0,50	-	-	-	-	.024	0,6	.016	0,4		●	
		16		LT16NL05ISO	0,50	-	-	-	-	.024	0,6	.016	0,4		●	
		16	LT16NR075ISO		0,75	-	-	-	-	.024	0,6	.024	0,6		●	
		16		LT16NL075ISO	0,75	-	-	-	-	.024	0,6	.024	0,6		●	
		16	LT16NR10ISO		1,00	-	-	-	-	.024	0,6	.027	0,7	●	●	
		16		LT16NL10ISO	1,00	-	-	-	-	.024	0,6	.027	0,7		●	
		16	LT16NR125ISO		1,25	-	-	-	-	.031	0,8	.035	0,9		●	
		16		LT16NL125ISO	1,25	-	-	-	-	.031	0,8	.035	0,9		●	
		16	LT16NR15ISO		1,50	-	-	-	-	.031	0,8	.039	1,0	●	●	
		16		LT16NL15ISO	1,50	-	-	-	-	.031	0,8	.039	1,0		●	
		16	LT16NR175ISO		1,75	-	-	-	-	.035	0,9	.047	1,2		●	
		16		LT16NL175ISO	1,75	-	-	-	-	.035	0,9	.047	1,2		●	
		16	LT16NR20ISO		2,00	-	-	-	-	.039	1,0	.051	1,3	●	●	
		16		LT16NL20ISO	2,00	-	-	-	-	.039	1,0	.051	1,3		●	
		16	LT16NR25ISO		2,50	-	-	-	-	.043	1,1	.059	1,5		●	
		16		LT16NL25ISO	2,50	-	-	-	-	.043	1,1	.059	1,5		●	
		16	LT16NR30ISO		3,00	-	-	-	-	.043	1,1	.059	1,5	●	●	
		16		LT16NL30ISO	3,00	-	-	-	-	.043	1,1	.059	1,5		●	
		22	LT22NR35ISO		3,50	-	-	-	-	.063	1,6	.090	2,3		●	
		22		LT22NL35ISO	3,50	-	-	-	-	.063	1,6	.090	2,3		●	
		22	LT22NR40ISO		4,00	-	-	-	-	.063	1,6	.090	2,3		●	
		22		LT22NL40ISO	4,00	-	-	-	-	.063	1,6	.090	2,3		●	
		22	LT22NR45ISO		4,50	-	-	-	-	.063	1,6	.094	2,4		●	
		22		LT22NL45ISO	4,50	-	-	-	-	.063	1,6	.094	2,4		●	
		22	LT22NR50ISO		5,00	-	-	-	-	.063	1,6	.090	2,3		●	
		22		LT22NL50ISO	5,00	-	-	-	-	.063	1,6	.090	2,3		●	

Bestellbeispiel:
Katalognummer : LT11NR05ISOCB
Schneidstoffsorte: KC5025

		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	P Steigung (mm)	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	EX Zoll	EX mm	E Zoll	E mm	KC5010	KC5025	KU25T
LT-ER-UNCB	Vollprofil Amerikan. UN-Außen-gewinde	16	LT16ER32UNCB		-	32	-	-	-	.047	1,2	.020	0,5	●	●	
		16	LT16ER28UNCB			28	-	-	-	.028	0,7	.031	0,8	●	●	
		16	LT16ER24UNCB		-	24	-	-	-	.028	0,7	.031	0,8	●	●	
		16	LT16ER20UNCB		-	20	-	-	-	.028	0,7	.031	0,8	●	●	
		16	LT16ER18UNCB		-	18	-	-	-	.028	0,7	.031	0,8	●	●	
		16	LT16ER16UNCB		-	16	-	-	-	.032	0,8	.031	0,8	●	●	
		16	LT16ER14UNCB		-	14	-	-	-	.047	1,2	.059	1,5	●	●	
		16	LT16ER12UNCB		-	12	-	-	-	.047	1,2	.059	1,5	●	●	
		16	LT16ER10UNCB		-	10	-	-	-	.047	1,2	.059	1,5	●	●	
		16	LT16ER8UNCB		-	8	-	-	-	.051	1,3	.059	1,5	●	●	
LT-ER-UNK	Vollprofil Amerikan. UN-Außen-gewinde	16	LT16ER24UNK		-	24	-	-	-	.028	0,7	.031	0,8			●
		16	LT16ER20UNK		-	20	-	-	-	.028	0,7	.031	0,8			●
		16	LT16ER18UNK		-	18	-	-	-	.028	0,7	.031	0,8			●
		16	LT16ER16UNK		-	16	-	-	-	.035	0,9	.043	1,1			●
		16	LT16ER14UNK		-	14	-	-	-	.047	1,2	.059	1,5			●
		16	LT16ER12UNK		-	12	-	-	-	.043	1,1	.055	1,4			●
		16	LT16ER8UNK		-	8	-	-	-	.047	1,2	.063	1,6			●
LT-ER/L-UN	Vollprofil Amerikan. UN-Außen-gewinde	16	LT16ER48UN		-	48	-	-	-	.024	0,6	.024	0,6		●	
		16		LT16EL48UN	-	48	-	-	-	.024	0,6	.024	0,6		●	
		16	LT16ER40UN		-	40	-	-	-	.024	0,6	.024	0,6		●	
		16		LT16EL40UN	-	40	-	-	-	.024	0,6	.024	0,6		●	
		16	LT16ER36UN		-	36	-	-	-	.024	0,6	.024	0,6		●	
		16		LT16EL36UN	-	36	-	-	-	.024	0,6	.024	0,6		●	
		16	LT16ER32UN		-	32	-	-	-	.024	0,6	.024	0,6	●	●	
		16		LT16EL32UN	-	32	-	-	-	.024	0,6	.024	0,6		●	
		16	LT16ER28UN		-	28	-	-	-	.024	0,6	.027	0,7	●	●	
		16		LT16EL28UN	-	28	-	-	-	.024	0,6	.027	0,7		●	
		16	LT16ER24UN		-	24	-	-	-	.027	0,7	.031	0,8	●	●	
		16		LT16EL24UN	-	24	-	-	-	.027	0,7	.031	0,8		●	
		16	LT16ER20UN		-	20	-	-	-	.031	0,8	.035	0,9	●	●	
		16		LT16EL20UN	-	20	-	-	-	.031	0,8	.035	0,9		●	
		16	LT16ER18UN		-	18	-	-	-	.031	0,8	.039	1,0	●	●	
		16		LT16EL18UN	-	18	-	-	-	.031	0,8	.039	1,0		●	
		16	LT16ER16UN		-	16	-	-	-	.035	0,9	.043	1,1	●	●	
		16		LT16EL16UN	-	16	-	-	-	.035	0,9	.043	1,1		●	
		16	LT16ER14UN		-	14	-	-	-	.039	1,0	.047	1,2	●	●	
		16		LT16EL14UN	-	14	-	-	-	.039	1,0	.047	1,2		●	
		16	LT16ER12UN		-	12	-	-	-	.043	1,1	.055	1,4	●	●	
		16		LT16EL12UN	-	12	-	-	-	.043	1,1	.055	1,4		●	
		16	LT16ER10UN		-	10	-	-	-	.043	1,1	.059	1,5		●	
		16		LT16EL10UN	-	10	-	-	-	.043	1,1	.059	1,5		●	
		16	LT16ER8UN		-	8	-	-	-	.047	1,2	.063	1,6		●	
		16		LT16EL8UN	-	8	-	-	-	.047	1,2	.063	1,6		●	
LT-NR-UNCB	Vollprofil Amerikan. UN-Außen-gewinde	11	LT11NR36UNCB		-	36	-	-	-	.043	1,1	.020	0,5		●	
		11	LT11NR32UNCB		-	32	-	-	-	.047	1,2	.020	0,5		●	
		11	LT11NR28UNCB		-	28	-	-	-	.024	0,6	.031	0,8		●	
		11	LT11NR24UNCB		-	24	-	-	-	.028	0,7	.031	0,8		●	
		11	LT11NR20UNCB		-	20	-	-	-	.024	0,6	.031	0,8		●	
		11	LT11NR18UNCB		-	18	-	-	-	.024	0,6	.031	0,8		●	
		11	LT11NR16UNCB		-	16	-	-	-	.028	0,7	.031	0,8		●	
		16	LT16NR20UNCB		-	20	-	-	-	.028	0,7	.024	0,6		●	
		16	LT16NR18UNCB		-	18	-	-	-	.024	0,6	.031	0,8		●	
		16	LT16NR16UNCB		-	16	-	-	-	.028	0,7	.031	0,8		●	
		16	LT16NR14UNCB		-	14	-	-	-	.043	1,1	.059	1,5		●	
		16	LT16NR12UNCB		-	12	-	-	-	.043	1,1	.059	1,5		●	
		16	LT16NR10UNCB		-	10	-	-	-	.043	1,1	.059	1,5		●	

Bestellbeispiel:
Katalognummer : LT16ER32UNCB
Schneidstoffsorte : KC5010

LT Gewindeschneidplatten



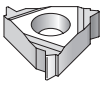
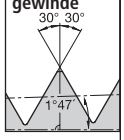
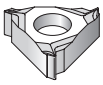
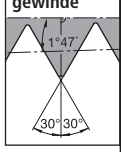
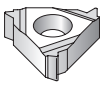
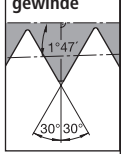
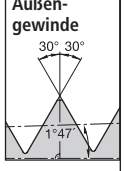
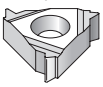
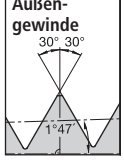
		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	P Steigung (mm)	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	EX Zoll	EX mm	E Zoll	E mm	KC5010	KC5025	KENNA UNIVERSAL KU25T
LT-NR-UNK	Vollprofil Amerikan. UN-Innen-gewinde	16	LT16NR8UNCB		-	8	-	-	-	.043	1,1	.059	1,5		●	
		11	LT11NR24UNK		-	24	-	-	-	.028	0,7	.031	0,8			●
		11	LT11NR20UNK		-	20	-	-	-	.028	0,7	.031	0,8			●
		11	LT11NR18UNK		-	18	-	-	-	.028	0,7	.031	0,8			●
		16	LT16NR16UNK		-	16	-	-	-	.035	0,9	.043	1,1			●
		16	LT16NR14UNK		-	14	-	-	-	.047	1,2	.059	1,5			●
		16	LT16NR12UNK		-	12	-	-	-	.043	1,1	.055	1,4			●
		16	LT16NR8UNK		-	8	-	-	-	.051	1,3	.059	1,5			●
LT-NR/L-UN	Vollprofil Amerikan. UN-Innen-gewinde	11	LT11NR44UN		-	44	-	-	-	.024	0,6	.024	0,6		●	
		11		LT11NL44UN	-	44	-	-	-	.024	0,6	.024	0,6		●	
		11	LT11NR40UN		-	40	-	-	-	.024	0,6	.024	0,6		●	
		11		LT11NL40UN	-	40	-	-	-	.024	0,6	.024	0,6		●	
		11	LT11NR36UN		-	36	-	-	-	.024	0,6	.024	0,6		●	
		11		LT11NL36UN	-	36	-	-	-	.024	0,6	.024	0,6		●	
		11	LT11NR32UN		-	32	-	-	-	.024	0,6	.024	0,6		●	
		11		LT11NL32UN	-	32	-	-	-	.024	0,6	.024	0,6		●	
		11	LT11NR28UN		-	28	-	-	-	.024	0,6	.027	0,7		●	
		11		LT11NL28UN	-	28	-	-	-	.024	0,6	.027	0,7		●	
		11	LT11NR24UN		-	24	-	-	-	.027	0,7	.031	0,8		●	
		11		LT11NL24UN	-	24	-	-	-	.027	0,7	.031	0,8		●	
		11	LT11NR20UN		-	20	-	-	-	.031	0,8	.035	0,9		●	
		11		LT11NL20UN	-	20	-	-	-	.031	0,8	.035	0,9		●	
		11	LT11NR18UN		-	18	-	-	-	.031	0,8	.039	1,0		●	
		11		LT11NL18UN	-	18	-	-	-	.031	0,8	.039	1,0		●	
		11	LT11NR16UN		-	16	-	-	-	.035	0,9	.043	1,1	●	●	
		11		LT11NL16UN	-	16	-	-	-	.035	0,9	.043	1,1		●	
		16	LT16NR48UN		-	48	-	-	-	.024	0,6	.024	0,6		●	
		16		LT16NL48UN	-	48	-	-	-	.024	0,6	.024	0,6		●	
		16	LT16NR40UN		-	40	-	-	-	.024	0,6	.024	0,6		●	
		16		LT16NL40UN	-	40	-	-	-	.024	0,6	.024	0,6		●	
		16	LT16NR36UN		-	36	-	-	-	.024	0,6	.024	0,6		●	
		16		LT16NL36UN	-	36	-	-	-	.024	0,6	.024	0,6		●	
		16	LT16NR32UN		-	32	-	-	-	.024	0,6	.024	0,6		●	
		16		LT16NL32UN	-	32	-	-	-	.024	0,6	.024	0,6		●	
		16	LT16NR28UN		-	28	-	-	-	.024	0,6	.027	0,7		●	
		16		LT16NL28UN	-	28	-	-	-	.024	0,6	.027	0,7		●	
		16	LT16NR24UN		-	24	-	-	-	.027	0,7	.031	0,8		●	
		16		LT16NL24UN	-	24	-	-	-	.027	0,7	.031	0,8		●	
		16	LT16NR20UN		-	20	-	-	-	.031	0,8	.035	0,9		●	
		16		LT16NL20UN	-	20	-	-	-	.031	0,8	.035	0,9		●	
		16	LT16NR18UN		-	18	-	-	-	.031	0,8	.039	1,0		●	
		16		LT16NL18UN	-	18	-	-	-	.031	0,8	.039	1,0		●	
		16	LT16NR16UN		-	16	-	-	-	.035	0,9	.043	1,1		●	
		16		LT16NL16UN	-	16	-	-	-	.035	0,9	.043	1,1		●	
		16	LT16NR14UN		-	14	-	-	-	.035	0,9	.047	1,2		●	
		16		LT16NL14UN	-	14	-	-	-	.035	0,9	.047	1,2		●	
		16	LT16NR12UN		-	12	-	-	-	.043	1,1	.055	1,4	●	●	
		16		LT16NL12UN	-	12	-	-	-	.043	1,1	.055	1,4		●	
		16	LT16NR10UN		-	10	-	-	-	.043	1,1	.059	1,5		●	
		16		LT16NL10UN	-	10	-	-	-	.043	1,1	.059	1,5		●	
		16	LT16NR8UN		-	8	-	-	-	.043	1,1	.059	1,5	●	●	
		16		LT16NL8UN	-	8	-	-	-	.043	1,1	.059	1,5		●	

Bestellbeispiel:
Katalognummer: LT16NR8UNCB
Schneidstoffsorte: KC5025

		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	P Steigung (mm)	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	EX Zoll	EX mm	E Zoll	E mm	KC5010	KC5025	KENNA UNIVERSAL KU25T
LT-ER/L-UNJ	Vollprofil UNJ-Außen-gewinde	16	LT16ER32UNJ		-	32	-	-	-	.024	0,6	.027	0,7		●	
		16		LT16EL32UNJ	-	32	-	-	-	.024	0,6	.027	0,7		●	
		16	LT16ER28UNJ		-	28	-	-	-	.027	0,7	.027	0,7		●	
		16		LT16EL28UNJ	-	28	-	-	-	.027	0,7	.027	0,7		●	
		16	LT16ER24UNJ		-	24	-	-	-	.027	0,7	.031	0,8		●	
		16		LT16EL24UNJ	-	24	-	-	-	.027	0,7	.031	0,8		●	
		16	LT16ER20UNJ		-	20	-	-	-	.031	0,8	.035	0,9	●	●	
		16		LT16EL20UNJ	-	20	-	-	-	.031	0,8	.035	0,9		●	
		16	LT16ER18UNJ		-	18	-	-	-	.031	0,8	.039	1,0	●	●	
		16		LT16EL18UNJ	-	18	-	-	-	.031	0,8	.039	1,0		●	
		16	LT16ER16UNJ		-	16	-	-	-	.035	0,9	.043	1,1	●	●	
		16		LT16EL16UNJ	-	16	-	-	-	.035	0,9	.043	1,1		●	
		16	LT16ER14UNJ		-	14	-	-	-	.039	1,0	.047	1,2	●	●	
		16		LT16EL14UNJ	-	14	-	-	-	.039	1,0	.047	1,2		●	
		16	LT16ER12UNJ		-	12	-	-	-	.043	1,1	.051	1,3	●	●	
		16		LT16EL12UNJ	-	12	-	-	-	.043	1,1	.051	1,3		●	
		16	LT16ER10UNJ		-	10	-	-	-	.047	1,2	.059	1,5		●	
		16		LT16EL10UNJ	-	10	-	-	-	.047	1,2	.059	1,5		●	
		16	LT16ER8UNJ		-	8	-	-	-	.047	1,2	.063	1,6		●	
		16		LT16EL8UNJ	-	8	-	-	-	.047	1,2	.063	1,6		●	
LT-NR/L-UNJ	Vollprofil UNJ-Innen-gewinde	11	LT11NR20UNJ		-	20	-	-	-	.031	0,8	.035	0,9		●	
		11		LT11NL20UNJ	-	20	-	-	-	.031	0,8	.035	0,9		●	
		11	LT11NR18UNJ		-	18	-	-	-	.031	0,8	.039	1,0		●	
		11		LT11NL18UNJ	-	18	-	-	-	.031	0,8	.039	1,0		●	
		11	LT11NR16UNJ		-	16	-	-	-	.035	0,9	.043	1,1		●	
		11		LT11NL16UNJ	-	16	-	-	-	.035	0,9	.043	1,1		●	
		11	LT11NR14UNJ		-	14	-	-	-	.039	1,0	.047	1,2		●	
		11		LT11NL14UNJ	-	14	-	-	-	.039	1,0	.047	1,2		●	
		16	LT16NR32UNJ		-	32	-	-	-	.024	0,6	.028	0,7		●	
		16		LT16NL32UNJ	-	32	-	-	-	.024	0,6	.028	0,7		●	
		16	LT16NR28UNJ		-	28	-	-	-	.028	0,7	.028	0,7		●	
		16		LT16NL28UNJ	-	28	-	-	-	.028	0,7	.028	0,7		●	
		16	LT16NR24UNJ		-	24	-	-	-	.028	0,7	.031	0,8		●	
		16		LT16NL24UNJ	-	24	-	-	-	.028	0,7	.031	0,8		●	
		16	LT16NR20UNJ		-	20	-	-	-	.031	0,8	.035	0,9		●	
		16		LT16NL20UNJ	-	20	-	-	-	.031	0,8	.035	0,9		●	
		16	LT16NR18UNJ		-	18	-	-	-	.031	0,8	.039	1,0		●	
		16		LT16NL18UNJ	-	18	-	-	-	.031	0,8	.039	1,0		●	
		16	LT16NR16UNJ		-	16	-	-	-	.035	0,9	.043	1,1		●	
		16		LT16NL16UNJ	-	16	-	-	-	.035	0,9	.043	1,1		●	
		16	LT16NR14UNJ		-	14	-	-	-	.039	1,0	.047	1,2		●	
		16		LT16NL14UNJ	-	14	-	-	-	.039	1,0	.047	1,2		●	
		16	LT16NR12UNJ		-	12	-	-	-	.043	1,1	.051	1,3		●	
		16		LT16NL12UNJ	-	12	-	-	-	.043	1,1	.051	1,3		●	
		16	LT16NR10UNJ		-	10	-	-	-	.047	1,2	.059	1,5		●	
		16		LT16NL10UNJ	-	10	-	-	-	.047	1,2	.059	1,5		●	
		16	LT16NR8UNJ		-	8	-	-	-	.047	1,2	.063	1,6		●	
		16		LT16NL8UNJ	-	8	-	-	-	.047	1,2	.063	1,6		●	
LT-ER-NPTCB	Vollprofil NPT-Außen-gewinde	16	LT16ER14NPTCB		-	14	.75	-	-	.043	1,1	.059	1,5	●	●	

Bestellbeispiel:
Katalognummer: LT16ER32UNJ
Schneidstoffsorte : KC5025

LT Gewindeschneidplatten

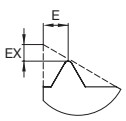
			Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	P Steigung (mm)	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	EX Zoll	EX mm	E Zoll	E mm	KC5010	KC5025	KU25T
LT-ER/L-NPT		Vollprofil NPT-Außen-gewinde 	16	LT16ER27NPT		-	27	.75	-	-	.027	0,7	.031	0,8		●	
			16		LT16EL27NPT	-	27	.75	-	-	.027	0,7	.031	0,8		●	
			16	LT16ER18NPT		-	18	.75	-	-	.031	0,8	.039	1,0	●	●	
			16		LT16EL18NPT	-	18	.75	-	-	.031	0,8	.039	1,0		●	
			16	LT16ER14NPT		-	14	.75	-	-	.035	0,9	.047	1,2	●	●	
			16		LT16EL14NPT	-	14	.75	-	-	.035	0,9	.047	1,2		●	
			16	LT16ER115NPT		-	11.5	.75	-	-	.043	1,1	.059	1,5	●	●	
			16		LT16EL115NPT	-	11.5	.75	-	-	.043	1,1	.059	1,5		●	
			16	LT16ER8NPT		-	8	.75	-	-	.051	1,3	.071	1,8		●	
			16		LT16EL8NPT	-	8	.75	-	-	.051	1,3	.071	1,8		●	
LT-NR-NPTCB		Vollprofil NPT-Innen-gewinde 	16	LT16NR14NPTCB		-	14	.75	-	-	.053	1,4	.047	1,2		●	
			16	LT16NR115NPTCB		-	11.5	.75	-	-	.043	1,1	.059	1,5		●	
LT-NR/L-NPT		Vollprofil NPT-Innen-gewinde 	11	LT11NR27NPT		-	27	.75	-	-	.027	0,7	.031	0,8		●	
			11		LT11NL27NPT	-	27	.75	-	-	.027	0,7	.031	0,8		●	
			11	LT11NR18NPT		-	18	.75	-	-	.031	0,8	.039	1,0		●	
			11		LT11NL18NPT	-	18	.75	-	-	.031	0,8	.039	1,0		●	
			11	LT11NR14NPT		-	14	.75	-	-	.031	0,8	.039	1,0	●	●	
			11		LT11NL14NPT	-	14	.75	-	-	.031	0,8	.039	1,0		●	
			16	LT16NR27NPT		-	27	.75	-	-	.027	0,7	.031	0,8		●	
			16		LT16NL27NPT	-	27	.75	-	-	.027	0,7	.031	0,8		●	
			16	LT16NR18NPT		-	18	.75	-	-	.031	0,8	.039	1,0		●	
			16		LT16NL18NPT	-	18	.75	-	-	.031	0,8	.039	1,0		●	
			16	LT16NR14NPT		-	14	.75	-	-	.035	0,9	.047	1,2	●	●	
			16		LT16NL14NPT	-	14	.75	-	-	.035	0,9	.047	1,2		●	
			16	LT16NR115NPT		-	11.5	.75	-	-	.043	1,1	.059	1,5	●	●	
			16		LT16NL115NPT	-	11.5	.75	-	-	.043	1,1	.059	1,5		●	
			16	LT16NR8NPT		-	8	.75	-	-	.051	1,3	.071	1,8		●	
			16		LT16NL8NPT	-	8	.75	-	-	.051	1,3	.071	1,8		●	
LT-ER-NPTFCB		Vollprofil NPTF-Außen-gewinde 	16	LT16ER115NPTFCB		-	11.5	.75	-	-	.043	1,1	.059	1,5	●	●	
LT-ER/L-NPTF		Vollprofil NPTF-Außen-gewinde 	16	LT16ER14NPTF		-	14	.75	-	-	.035	0,9	.047	1,2		●	
			16		LT16EL14NPTF	-	14	.75	-	-	.035	0,9	.047	1,2		●	
			16	LT16ER115NPTF		-	11.5	.75	-	-	.043	1,1	.059	1,5		●	
			16		LT16EL115NPTF	-	11.5	.75	-	-	.043	1,1	.059	1,5		●	

Bestellbeispiel:
Katalognummer : LT16ER27NPT
Schneidstoffsorte : KC5025

		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	P Steigung (mm)	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	EX Zoll	EX mm	E Zoll	E mm	KC5010	KC5025	KU25T
LT-NR/L-NPTF	Vollprofil NPTF-Innen-gewinde	11	LT11NR14NPTF		-	14	.75	-	-	.031	0,8	.039	1,0		●	
		11		LT11NL14NPTF	-	14	.75	-	-	.031	0,8	.039	1,0		●	
		16	LT16NR14NPTF		-	14	.75	-	-	.035	0,9	.047	1,2		●	
		16		LT16NL14NPTF	-	14	.75	-	-	.035	0,9	.047	1,2		●	
		16	LT16NR115NPTF		-	11.5	.75	-	-	.043	1,1	.059	1,5		●	
		16		LT16NL115NPTF	-	11.5	.75	-	-	.043	1,1	.059	1,5		●	
LT-ER/L-55	Teilprofil 55° Außen-gewinde	16	LT16ERA55		0,50-1,50	48-16	-	.002	0,05	.031	0,8	.035	0,9		●	
		16		LT16ELA55	0,50-1,50	48-16	-	.002	0,05	.031	0,8	.035	0,9		●	
		16	LT16ERAG55		0,50-3,00	48-8	-	.003	0,08	.047	1,2	.067	1,7	●	●	
		16		LT16ELAG55	0,50-3,00	48-8	-	.003	0,08	.047	1,2	.067	1,7		●	
		16	LT16ERG55		1,75-3,00	14-8	-	.008	0,20	.047	1,2	.067	1,7		●	
		16		LT16ELG55	1,75-3,00	14-8	-	.008	0,20	.047	1,2	.067	1,7		●	
		22	LT22ERN55		3,50-5,00	7-5	-	.017	0,43	.067	1,7	.098	2,5		●	
		22		LT22ELN55	3,50-5,00	7-5	-	.017	0,43	.067	1,7	.098	2,5		●	
LT-NR/L-55	Teilprofil 55° Innen-gewinde	11	LT11NRA55		0,50-1,50	48-16	-	.002	0,05	.031	0,8	.035	0,9		●	
		11		LT11NLA55	0,50-1,50	48-16	-	.002	0,05	.031	0,8	.035	0,9		●	
		16	LT16NRA55		0,50-1,50	48-16	-	.002	0,05	.031	0,8	.035	0,9		●	
		16		LT16NLA55	0,50-1,50	48-16	-	.002	0,05	.031	0,8	.035	0,9		●	
		16	LT16NRAG55		0,50-3,00	48-8	-	.003	0,07	.047	1,2	.067	1,7		●	
		16		LT16NLAG55	0,50-3,00	48-8	-	.003	0,07	.047	1,2	.067	1,7		●	
		16	LT16NRG55		1,75-3,00	14-8	-	.008	0,21	.047	1,2	.067	1,7		●	
		16		LT16NLG55	1,75-3,00	14-8	-	.008	0,21	.047	1,2	.067	1,7		●	
		22	LT22NRN55		3,50-5,00	7-5	-	.017	0,43	.067	1,7	.098	2,5		●	
		22		LT22NLN55	3,50-5,00	7-5	-	.017	0,43	.067	1,7	.098	2,5		●	
LT-ER-WCB	Vollprofil Whitworth BSW, BSP-Außen-gewinde	16	LT16ER14WCB		-	14	-	-	-	.051	1,3	.059	1,5	●	●	
		16	LT16ER11WCB		-	11	-	-	-	.051	1,3	.059	1,5	●	●	
LT-ER/L-W	Vollprofil Whitworth BSW, BSP-Außen-gewinde	16	LT16ER28W		-	28	-	-	-	.024	0,6	.027	0,7		●	
		16		LT16EL28W	-	28	-	-	-	.024	0,6	.027	0,7		●	
		16	LT16ER24W		-	24	-	-	-	.028	0,7	.031	0,8		●	
		16		LT16EL24W	-	24	-	-	-	.028	0,7	.031	0,8		●	
		16	LT16ER20W		-	20	-	-	-	.031	0,8	.035	0,9		●	
		16		LT16EL20W	-	20	-	-	-	.031	0,8	.035	0,9		●	
		16	LT16ER19W		-	19	-	-	-	.031	0,8	.039	1,0	●	●	
		16		LT16EL19W	-	19	-	-	-	.031	0,8	.039	1,0		●	
		16	LT16ER18W		-	18	-	-	-	.031	0,8	.039	1,0		●	
		16		LT16EL18W	-	18	-	-	-	.031	0,8	.039	1,0		●	
		16	LT16ER16W		-	16	-	-	-	.035	0,9	.043	1,1		●	
		16		LT16EL16W	-	16	-	-	-	.035	0,9	.043	1,1		●	
		16	LT16ER14W		-	14	-	-	-	.039	1,0	.047	1,2	●	●	
		16		LT16EL14W	-	14	-	-	-	.039	1,0	.047	1,2		●	
		16	LT16ER12W		-	12	-	-	-	.043	1,1	.055	1,4		●	
		16		LT16EL12W	-	12	-	-	-	.043	1,1	.055	1,4		●	
		16	LT16ER11W		-	11	-	-	-	.043	1,1	.059	1,5	●	●	

Bestellbeispiel:
Katalognummer : **LT11NR14NPTF**
Schneidstoffsorte : **KC5025**

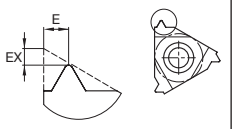
LT Gewindeschneidplatten





		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	P Steigung (mm)	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	EX Zoll	EX mm	E Zoll	E mm	KC5010	KC5025	KENNA UNIVERSAL KU25T
LT-ER/L-W	**Vollprofil Whitworth BSW, BSP-Außen-gewinde**	16		LT16EL11W	-	11	-	-	-	.043	1,1	.059	1,5		●	
		16	LT16ER10W		-	10	-	-	-	.043	1,1	.059	1,5		●	
		16		LT16EL10W	-	10	-	-	-	.043	1,1	.059	1,5		●	
		16	LT16ER9W		-	9	-	-	-	.047	1,2	.067	1,7		●	
		16		LT16EL9W	-	9	-	-	-	.047	1,2	.067	1,7		●	
		16	LT16ER8W		-	8	-	-	-	.047	1,2	.059	1,5		●	
		16		LT16EL8W	-	8	-	-	-	.047	1,2	.059	1,5		●	
		22	LT22ER7W		-	7	-	-	-	.063	1,6	.090	2,3		●	
		22		LT22EL7W	-	7	-	-	-	.063	1,6	.090	2,3		●	
		22	LT22ER6W		-	6	-	-	-	.063	1,6	.090	2,3		●	
		22		LT22EL6W	-	6	-	-	-	.063	1,6	.090	2,3		●	
		22	LT22ER5W		-	5	-	-	-	.067	1,7	.094	2,4		●	
		22		LT22EL5W	-	5	-	-	-	.067	1,7	.094	2,4		●	
LT-NR-WCB	**Vollprofil Whitworth BSW, BSP-Innengewinde**	16	LT16NR14WCB		-	14	-	-	-	.051	1,3	.059	1,5		●	
		16	LT16NR11WCB		-	11	-	-	-	.051	1,3	.059	1,5		●	
LT-NR/L-W	**Vollprofil Whitworth BSW, BSP-Innengewinde**	11	LT11NR19W		-	19	-	-	-	.031	0,8	.039	1,0		●	
		11		LT11NL19W	-	19	-	-	-	.031	0,8	.039	1,0		●	
		11	LT11NR14W		-	14	-	-	-	.035	0,9	.043	1,1		●	
		11		LT11NL14W	-	14	-	-	-	.035	0,9	.043	1,1		●	
		16	LT16NR20W		-	20	-	-	-	.031	0,8	.035	0,9		●	
		16		LT16NL20W	-	20	-	-	-	.031	0,8	.035	0,9		●	
		16	LT16NR19W		-	19	-	-	-	.031	0,8	.039	1,0		●	
		16		LT16NL19W	-	19	-	-	-	.031	0,8	.039	1,0		●	
		16	LT16NR18W		-	18	-	-	-	.031	0,8	.039	1,0		●	
		16		LT16NL18W	-	18	-	-	-	.031	0,8	.039	1,0		●	
		16	LT16NR16W		-	16	-	-	-	.035	0,9	.043	1,1		●	
		16		LT16NL16W	-	16	-	-	-	.035	0,9	.043	1,1		●	
		16	LT16NR14W		-	14	-	-	-	.039	1,0	.047	1,2		●	
		16		LT16NL14W	-	14	-	-	-	.039	1,0	.047	1,2		●	
		16	LT16NR12W		-	12	-	-	-	.043	1,1	.055	1,4		●	
		16		LT16NL12W	-	12	-	-	-	.043	1,1	.055	1,4		●	
		16	LT16NR11W		-	11	-	-	-	.043	1,1	.059	1,5	●	●	
		16		LT16NL11W	-	11	-	-	-	.043	1,1	.059	1,5		●	
		16	LT16NR10W		-	10	-	-	-	.043	1,1	.059	1,5		●	
		16		LT16NL10W	-	10	-	-	-	.043	1,1	.059	1,5		●	
		16	LT16NR9W		-	9	-	-	-	.047	1,2	.067	1,7		●	
		16		LT16NL9W	-	9	-	-	-	.047	1,2	.067	1,7		●	
		16	LT16NR8W		-	8	-	-	-	.047	1,2	.059	1,5		●	
		16		LT16NL8W	-	8	-	-	-	.047	1,2	.059	1,5		●	
		22	LT22NR7W		-	7	-	-	-	.063	1,6	.090	2,3		●	
		22		LT22NL7W	-	7	-	-	-	.063	1,6	.090	2,3		●	
		22	LT22NR6W		-	6	-	-	-	.063	1,6	.090	2,3		●	
		22		LT22NL6W	-	6	-	-	-	.063	1,6	.090	2,3		●	
		22	LT22NR5W		-	5	-	-	-	.067	1,7	.094	2,4		●	
		22		LT22NL5W	-	5	-	-	-	.067	1,7	.094	2,4		●	

Bestellbeispiel:
Katalognummer : LT16EL11W
Schneidstoffsorte : KC5025



		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	P Steigung (mm)	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	EX Zoll	EX mm	E Zoll	E mm	KC5010	KC5025	KENNA UNIVERSAL KU25T
LT-ER/L-BSPT	**Vollprofil BSPT-Außen-gewinde**	16	**LT16ER14BSPT**		-	14	.75	-	-	.039	1,0	.047	1,2		●	
		16		**LT16EL14BSPT**	-	14	.75	-	-	.039	1,0	.047	1,2		●	
		16	**LT16ER11BSPT**		-	11	.75	-	-	.043	1,1	.059	1,5		●	
		16		**LT16EL11BSPT**	-	11	.75	-	-	.043	1,1	.059	1,5		●	
LT-NR/L-BSPT	**Vollprofil BSPT-Innen gewinde**	11	**LT11NR14BSPT**		-	14	.75	-	-	.035	0,9	.039	1,0		●	
		11		**LT11NL14BSPT**	-	14	.75	-	-	.035	0,9	.039	1,0		●	
		16	**LT16NR14BSPT**		-	14	.75	-	-	.039	1,0	.047	1,2		●	
		16		**LT16NL14BSPT**	-	14	.75	-	-	.039	1,0	.047	1,2		●	
		16	**LT16NR11BSPT**		-	11	.75	-	-	.043	1,1	.059	1,5		●	
		16		**LT16NL11BSPT**	-	11	.75	-	-	.043	1,1	.059	1,5		●	
LT-ER/L-API	**Vollprofil API Rotary Shoulder Connections Außengewinde**	22	**LT22ER5API403**		-	5	3.00	-	-	.071	1,8	.102	2,6	●	●	
		22		**LT22EL5API403**	-	5	3.00	-	-	.071	1,8	.102	2,6		●	
		22	**LT22ER4API502**		-	4	2.00	-	-	.079	2,0	.114	2,9	●	●	
		22		**LT22EL4API502**	-	4	2.00	-	-	.079	2,0	.114	2,9		●	
		22	**LT22ER4API503**		-	4	3.00	-	-	.079	2,0	.114	2,9	●	●	
		22		**LT22EL4API503**	-	4	3.00	-	-	.079	2,0	.114	2,9		●	
		22	**LT22ER4API382**		-	4	2.00	-	-	.083	2,1	.110	2,8		●	
		22		**LT22EL4API382**	-	4	2.00	-	-	.083	2,1	.110	2,8		●	
		22	**LT22ER4API383**		-	4	3.00	-	-	.083	2,1	.110	2,8		●	
		22		**LT22EL4API383**	-	4	3.00	-	-	.083	2,1	.110	2,8		●	
LT-NR/L-API	**Vollprofil API Rotary Shoulder Connections Außengewinde**	22	**LT22NR5API403**		-	5	3.00	-	-	.071	1,8	.102	2,6		●	
		22		**LT22NL5API403**	-	5	3.00	-	-	.071	1,8	.102	2,6		●	
		22	**LT22NR4API502**		-	4	2.00	-	-	.083	2,1	.122	3,1		●	
		22		**LT22NL4API502**	-	4	2.00	-	-	.083	2,1	.122	3,1		●	
		22	**LT22NR4API503**		-	4	3.00	-	-	.080	2,0	.114	2,9		●	
		22		**LT22NL4API503**	-	4	3.00	-	-	.080	2,0	.114	2,9		●	
		22	**LT22NR4API382**		-	4	2.00	-	-	.083	2,1	.110	2,8		●	
		22		**LT22NL4API382**	-	4	2.00	-	-	.083	2,1	.110	2,8		●	
		22	**LT22NR4API383**		-	4	3.00	-	-	.083	2,1	.110	2,8		●	
		22		**LT22NL4API383**	-	4	3.00	-	-	.083	2,1	.110	2,8		●	
LT-ER/L-BUT	**Vollprofil API Buttress Casing Außen-gewinde**	22	**LT22ER5BUT75**		-	5	.75	-	-	.122	3,1	.075	1,9		●	
		22		**LT22EL5BUT75**	-	5	.75	-	-	.122	3,1	.075	1,9		●	
		22	**LT22ER5BUT1**		-	5	1.00	-	-	.122	3,1	.075	1,9		●	
		22		**LT22EL5BUT1**	-	5	1.00	-	-	.122	3,1	.075	1,9		●	

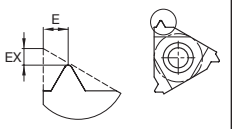
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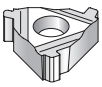
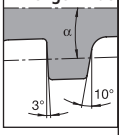
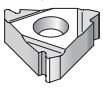
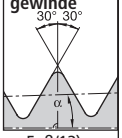
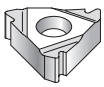
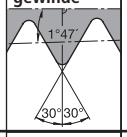
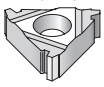
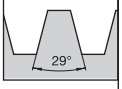
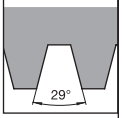
α = 1/2 arctan (Verjüngung pro Fuß/12)

α = 1/2 arctan (Verjüngung pro Fuß/12)

Bestellbeispiel:
Katalognummer: LT16ER14BSPT
Schneidstoffsorte : KC5025

LT Gewindeschneidplatten



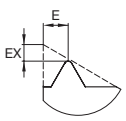
		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	P Steigung (mm)	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	EX Zoll	EX mm	E Zoll	E mm	KC5010	KC5025	KENNA UNIVERSAL KU25T
LT-NR/L-BUT 	**Vollprofil API Buttress-Casing Innengewinde**  α = 1/2 arctan (Verjüngung pro Fuß/12)	22	**LT22NR5BUT75**		-	5	.75	-	-	.110	2,8	.075	1,9		●	
		22		**LT22NL5BUT75**	-	5	.75	-	-	.110	2,8	.075	1,9		●	
		22	**LT22NR5BUT1**		-	5	1.00	-	-	.110	2,8	.075	1,9		●	
		22		**LT22NL5BUT1**	-	5	1.00	-	-	.110	2,8	.075	1,9		●	
LT-ER/L-APIRD 	**Vollprofil API Round-Außen-gewinde**  α = 1/2 arctan (Verjüngung pro Fuß/12)	16	**LT16ER10APIRD**		-	10	.75	-	-	.047	1,2	.055	1,4		●	
		16		**LT16EL10APIRD**	-	10	.75	-	-	.047	1,2	.055	1,4		●	
		16	**LT16ER8APIRD**		-	8	.75	-	-	.051	1,3	.059	1,5		●	
		16		**LT16EL8APIRD**	-	8	.75	-	-	.051	1,3	.059	1,5		●	
LT-NR/L-APIRD 	**Vollprofil API Round-Innen-gewinde** 	16	**LT16NR10APIRD**		-	10	.75	-	-	.047	1,2	.055	1,4		●	
		16		**LT16NL10APIRD**	-	10	.75	-	-	.047	1,2	.055	1,4		●	
		16	**LT16NR8APIRD**		-	8	.75	-	-	.051	1,3	.059	1,5		●	
		16		**LT16NL8APIRD**	-	8	.75	-	-	.051	1,3	.059	1,5		●	
LT-ER/L-ACME 	**Teilprofil Acme Außen-gewinde** 	16	**LT16ER16ACME**		-	16	-	-	-	.039	1,0	.043	1,1		●	
		16		**LT16EL16ACME**	-	16	-	-	-	.039	1,0	.043	1,1		●	
		16	**LT16ER14ACME**		-	14	-	-	-	.039	1,0	.047	1,2		●	
		16		**LT16EL14ACME**	-	14	-	-	-	.039	1,0	.047	1,2		●	
		16	**LT16ER12ACME**		-	12	-	-	-	.043	1,1	.047	1,2		●	
		16		**LT16EL12ACME**	-	12	-	-	-	.043	1,1	.047	1,2		●	
		16	**LT16ER10ACME**		-	10	-	-	-	.051	1,3	.055	1,4		●	
		16		**LT16EL10ACME**	-	10	-	-	-	.051	1,3	.055	1,4		●	
		16	**LT16ER8ACME**		-	8	-	-	-	.055	1,4	.059	1,5		●	
		16		**LT16EL8ACME**	-	8	-	-	-	.055	1,4	.059	1,5		●	
		22	**LT22ER6ACME**		-	6	-	-	-	.071	1,8	.083	2,1		●	
		22		**LT22EL6ACME**	-	6	-	-	-	.071	1,8	.083	2,1		●	
		22	**LT22ER5ACME**		-	5	-	-	-	.079	2,0	.090	2,3		●	
		22		**LT22EL5ACME**	-	5	-	-	-	.079	2,0	.090	2,3		●	
LT-NR/L-ACME 	**Teilprofil Acme Innen-gewinde** 	16	**LT16NR16ACME**		-	16	-	-	-	.039	1,0	.043	1,1		●	
		16		**LT16NL16ACME**	-	16	-	-	-	.039	1,0	.043	1,1		●	
		16	**LT16NR14ACME**		-	14	-	-	-	.043	1,1	.047	1,2		●	
		16		**LT16NL14ACME**	-	14	-	-	-	.043	1,1	.047	1,2		●	
		16	**LT16NR12ACME**		-	12	-	-	-	.047	1,2	.051	1,3		●	
		16		**LT16NL12ACME**	-	12	-	-	-	.047	1,2	.051	1,3		●	
		16	**LT16NR10ACME**		-	10	-	-	-	.047	1,2	.051	1,3		●	
		16		**LT16NL10ACME**	-	10	-	-	-	.047	1,2	.051	1,3		●	
		16	**LT16NR8ACME**		-	8	-	-	-	.055	1,4	.059	1,5		●	
		16		**LT16NL8ACME**	-	8	-	-	-	.055	1,4	.059	1,5		●	
		22	**LT22NR6ACME**		-	6	-	-	-	.071	1,8	.083	2,1		●	
		22		**LT22NL6ACME**	-	6	-	-	-	.071	1,8	.083	2,1		●	
		22	**LT22NR5ACME**		-	5	-	-	-	.079	2,0	.090	2,3		●	

Bestellbeispiel:
Katalognummer: **LT22NR5BUT75**
Schneidstoffsorte: **KC5025**

		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	P Steigung (mm)	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	EX Zoll	EX mm	E Zoll	E mm	KC5010	KC5025	KENNA UNIVERSAL KU25T
LT-ER/L-STACME	Teilprofil Stub Acme Außen-gewinde	22		LT22NL5ACME	-	5	-	-	-	.079	2,0	.090	2,3		●	
		16	LT16ER16STACME		-	16	-	-	-	.039	1,0	.039	**1,0**		●	
		16		LT16EL16STACME	-	16	-	-	-	.039	1,0	.039	1,0		●	
		16	LT16ER14STACME		-	14	-	-	-	.043	1,1	.043	1,1		●	
		16		LT16EL14STACME	-	14	-	-	-	.043	1,1	.043	1,1		●	
		16	LT16ER12STACME		-	12	-	-	-	.047	1,2	.047	1,2		●	
		16		LT16EL12STACME	-	12	-	-	-	.047	1,2	.047	1,2		●	
		16	LT16ER10STACME		-	10	-	-	-	.047	1,2	.051	1,3		●	
		16		LT16EL10STACME	-	10	-	-	-	.047	1,2	.051	1,3		●	
		16	LT16ER8STACME		-	8	-	-	-	.055	1,4	.059	1,5		●	
		16		LT16EL8STACME	-	8	-	-	-	.055	1,4	.059	1,5		●	
		16	LT16ER6STACME		-	6	-	-	-	.067	1,7	.071	1,8		●	
		16		LT16EL6STACME	-	6	-	-	-	.067	1,7	.071	1,8		●	
		22	LT22ER5STACME		-	5	-	-	-	.083	2,1	.090	2,3		●	
		22		LT22EL5STACME	-	5	-	-	-	.083	2,1	.090	2,3		●	
LT-NR/L-STACME	Teilprofil Stub Acme-Innen-gewinde	16	LT16NR16STACME		-	16	-	-	-	.039	1,0	.039	**1,0**		●	
		16		LT16NL16STACME	-	16	-	-	-	.039	1,0	.039	1,0		●	
		16	LT16NR14STACME		-	14	-	-	-	.043	1,1	.043	1,1		●	
		16		LT16NL14STACME	-	14	-	-	-	.043	1,1	.043	1,1		●	
		16	LT16NR12STACME		-	12	-	-	-	.043	1,1	.047	1,2		●	
		16		LT16NL12STACME	-	12	-	-	-	.043	1,1	.047	1,2		●	
		16	LT16NR10STACME		-	10	-	-	-	.047	1,2	.051	1,3		●	
		16		LT16NL10STACME	-	10	-	-	-	.047	1,2	.051	1,3		●	
		16	LT16NR8STACME		-	8	-	-	-	.055	1,4	.059	1,5		●	
		16		LT16NL8STACME	-	8	-	-	-	.055	1,4	.059	1,5		●	
		16	LT16NR6STACME		-	6	-	-	-	.067	1,7	.071	1,8		●	
		16		LT16NL6STACME	-	6	-	-	-	.067	1,7	.071	1,8		●	
		22	LT22NR5STACME		-	5	-	-	-	.083	2,1	.090	2,3		●	
		22		LT22NL5STACME	-	5	-	-	-	.083	2,1	.090	2,3		●	
LT-ER/L-TR	Teilprofil Trapez-Außen-gewinde	16	LT16ER15TR		1,50	-	-	-	-	.039	1,0	.043	1,1		●	
		16		LT16EL15TR	1,50	-	-	-	-	.039	1,0	.043	1,1		●	
		16	LT16ER2TR		2,00	-	-	-	-	.043	1,1	.051	1,3		●	
		16		LT16EL2TR	2,00	-	-	-	-	.043	1,1	.051	1,3		●	
		16	LT16ER3TR		3,00	-	-	-	-	.051	1,3	.059	1,5		●	
		16		LT16EL3TR	3,00	-	-	-	-	.051	1,3	.059	1,5		●	
		22	LT22ER4TR		4,00	-	-	-	-	.067	1,7	.075	1,9		●	
		22		LT22EL4TR	4,00	-	-	-	-	.067	1,7	.075	1,9		●	
		22	LT22ER5TR		5,00	-	-	-	-	.083	2,1	.098	2,5		●	
		22		LT22EL5TR	5,00	-	-	-	-	.083	2,1	.098	2,5		●	
LT-NR/L-TR	Teilprofil Trapez-Innen-gewinde	16	LT16NR15TR		1,50	-	-	-	-	.039	1,0	.043	1,1		●	
		16		LT16NL15TR	1,50	-	-	-	-	.039	1,0	.043	1,1		●	
		16	LT16NR2TR		2,00	-	-	-	-	.043	1,1	.051	1,3		●	
		16		LT16NL2TR	2,00	-	-	-	-	.043	1,1	.051	1,3		●	
		16	LT16NR3TR		3,00	-	-	-	-	.051	1,3	.059	1,5		●	
		16		LT16NL3TR	3,00	-	-	-	-	.051	1,3	.059	1,5		●	
		22	LT22NR4TR		4,00	-	-	-	-	.067	1,7	.075	1,9		●	
		22		LT22NL4TR	4,00	-	-	-	-	.067	1,7	.075	1,9		●	
		22	LT22NR5TR		5,00	-	-	-	-	.083	2,1	.098	2,5		●	
		22		LT22NL5TR	5,00	-	-	-	-	.083	2,1	.098	2,5		●	

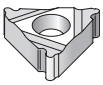
Bestellbeispiel:
Katalognummer : LT16ER16STACME
Schneidstoffsorte : KC5025

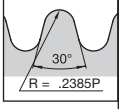
LT Gewindeschneidplatten

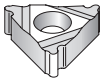


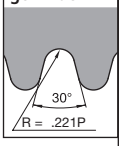


		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	P Steigung (mm)	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	EX Zoll	EX mm	E Zoll	E mm	KC5010	KC5025	KENNA UNIVERSAL KU25T
LT-ER/L-RD	**Vollprofil Rund-Außen-gewinde**	16	**LT16ER10RD**		-	10	-	-	-	.043	1,1	.047	1,2		●	
		16		**LT16EL10RD**	-	10	-	-	-	.043	1,1	.047	1,2		●	
		16	**LT16ER8RD**		-	8	-	-	-	.055	1,4	.051	1,3		●	
		16		**LT16EL8RD**	-	8	-	-	-	.055	1,4	.051	1,3		●	
		22	**LT22ER6RD**		-	6	-	-	-	.059	1,5	.067	1,7		●	
		22		**LT22EL6RD**	-	6	-	-	-	.059	1,5	.067	1,7		●	
LT-NR/L-RD	**Vollprofil Rund - Innen-gewinde**	16	**LT16NR10RD**		-	10	-	-	-	.043	1,1	.047	1,2		●	
		16		**LT16NL10RD**	-	10	-	-	-	.043	1,1	.047	1,2		●	
		16	**LT16NR8RD**		-	8	-	-	-	.055	1,4	.055	1,4		●	
		16		**LT16NL8RD**	-	8	-	-	-	.055	1,4	.055	1,4		●	
		22	**LT22NR6RD**		-	6	-	-	-	.059	1,5	.067	1,7		●	
		22		**LT22NL6RD**	-	6	-	-	-	.059	1,5	.067	1,7		●	









Bestellbeispiel:
Katalognummer : LT16ER10RD
Schneidstoffsorte : KC5025

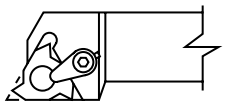
LT Gewindedrehen – Kennzeichnungssystem für Klemmhalter

METRISCH

ZOLL

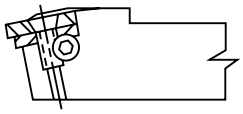
1. Wendeschneidplatten-Ausführung	2. Art der Klemmung	3. Form des Werkzeuges	4. Ausführungsrichtung des Werkzeuges	5. Über-Kopf-Halter	6. Schaftgröße	7. Wendeschneidplattengröße	8. Eingeengte Toleranz für Halteranlagen
L	S	AS	R		2525K	16	Q
						3	

1. Wendeschneidplatten-Ausführung

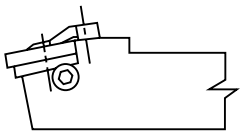


L = flach liegend, dreieckig

2. Art der Klemmung

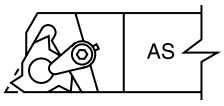


S = Schraube für Wendeschneidplatte oder nur Spannelement

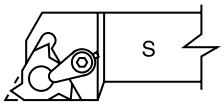


3. Form des Werkzeuges

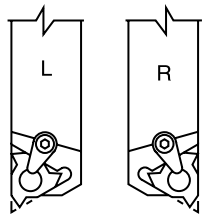
gerader Schaft



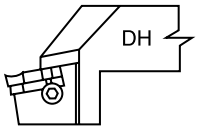
abgesetzter Schaft



4. Ausführungsrichtung des Werkzeuges



5. Über-Kopf-Halter

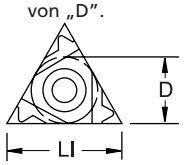


6. Schaftgröße

Metrisch:
Schafthöhe und -breite in mm und Halterlänge gemäß ISO Norm.
Zoll:
Diese Stelle gibt eine signifikante zweistellige Zahl an, die den Querschnitt des Klemmhalters bezeichnet.
Bei Schäften mit mindestens 5/8" Schaftquerschnitt steht die Zahl für die Anzahl der Sechzehntel der Breite und Höhe.
Bei Schäften unter 5/8" ist der Anzahl der Sechzehntel des Querschnitts eine Null vorangestellt. Bei rechteckigen Klemmhaltern steht die erste Ziffer für die Anzahl Achtel der Breite und die zweite Ziffer für die Anzahl Viertel der Höhe, ausgenommen sind Klemmhalter mit den Abmessungen 1 1/4" x 1 1/2", die die Zahl 91 erhalten.

7. Wendeschneidplattengröße

Die Zollgröße entspricht der Anzahl Achtelzollschritte von „D".



WPL-Größe (Zoll)	WPL-Größe (mm)	D (Zoll)	LI (mm)
2	11	1/4	11,0
3	16	3/8	16,5
4	22	1/2	22,0

8. Eingeengte Toleranz für Halteranlagen

Q – Maße „F" und „L1" mit eingeengter Toleranz

*HINWEIS: Klemmhalter mit Schaftgrößen über 12 mm werden mit Spannelement und Schraube für die Wendeschneidplatte geliefert. Befestigen Sie die Wendeschneidplatte entweder mit dem Spannelement **oder** mit der Schraube, **nicht jedoch mit beidem.**

LT Gewindedrehen – Kennzeichnungssystem für Unterlagen

1. Unterlage	2. Y – Unterlage für LT-Standard-WPL	3. E – Außen I – Innen	4. WPL-Größe	5. Unterlagenwinkel
SM	Y	E	3	2P

4. WPL-Größe

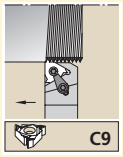
D-Wert in Achtelzoll

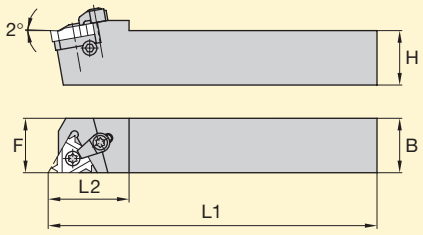
5. Unterlagenwinkel

2P– 2° positiv
1P– 1° positiv
__– 0° neutral
1N– 1° negativ
2N– 2° negativ
3N– 3° negativ

HINWEIS: WPL = Wendeschneidplatte.
Für Unterlagen und Unterlagensätze siehe Seite C59 - C61.

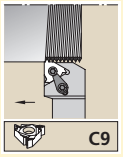
LSA

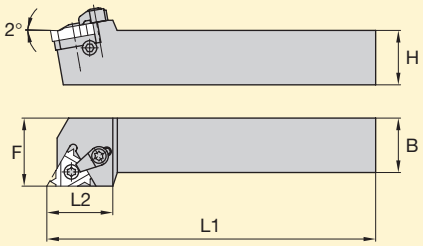




Wende-schneid-platte	Katalognummer	H	B	F	L1	L2	Unter-lage	Schraube für Unter-lage	Torx	Spann-element komplett	Torx	Schraube für Wen-deplatte	Torx
	Rechts												
LT16ER	**LSASR1212N16**	12	12	16	85	22	-	-	-	-	-	**SSA3T**	T10
LT16ER	**LSASR1616H16**	16	16	16	100	25	**SMYE3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16ER	**LSASR2020K16**	20	20	20	125	30	**SMYE3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16ER	**LSASR2525M16**	25	25	25	150	30	**SMYE3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16ER	**LSASR3232P16**	32	32	32	170	30	**SMYE3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT22ER	**LSASR2525M22**	25	25	25	150	36	**SMYE4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22ER	**LSASR3232P22**	32	32	32	170	36	**SMYE4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
	Links												
LT16EL	**LSASL1212N16**	12	12	16	85	22	-	-	-	-	-	**SSA3T**	T10
LT16EL	**LSASL1616H16**	16	16	16	100	25	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16EL	**LSASL2020K16**	20	20	20	125	30	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16EL	**LSASL2525M16**	25	25	25	150	30	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16EL	**LSASL3232P16**	32	32	32	170	30	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT22EL	**LSASL2525M22**	25	25	25	150	36	**SMYI4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22EL	**LSASL3232P22**	32	32	32	170	36	**SMYI4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20

LSS

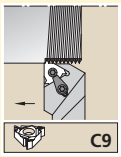


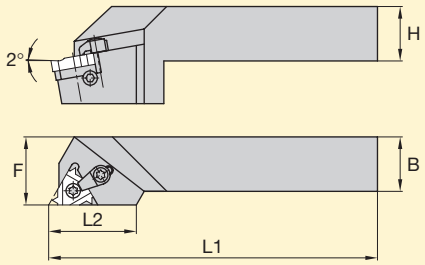


Wende-schneid-platte	Katalognummer	H	B	F	L1	L2	Unter-lage	Schraube für Unter-lage	Torx	Spann-element komplett	Torx	Schraube für Wen-deplatte	Torx
	Rechts												
LT16ER	**LSSR2020K16Q**	20	20	25	125	25	**SMYE3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16ER	**LSSR2525M16Q**	25	25	32	150	25	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16ER	**LSSR3232P16Q**	32	32	40	170	32	**SMYE3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT22ER	**LSSR2525M22Q**	25	25	32	150	30	**SMYE4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22ER	**LSSR3232P22Q**	32	32	40	170	30	**SMYE4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
	Links												
LT16EL	**LSSL2020K16Q**	20	20	25	125	25	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16EL	**LSSL2525M16Q**	25	25	32	150	25	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16EL	**LSSL3232P16Q**	32	32	40	170	32	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT22EL	**LSSL2525M22Q**	25	25	32	150	30	**SMYI4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22EL	**LSSL3232P22Q**	32	32	40	170	30	**SMYI4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20

Bestellbeispiel :
LSASR1212N16

LSS-DH



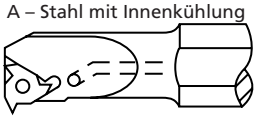


Wende-schneid-platte	Katalognummer	H	B	F	L1	L2	Unter-lage	Schraube für Unter-lage	Torx	Spann-element komplett	Torx	Schraube für WPL	Torx
	Rechts												
LT16ER	**LSSRDH2020K16Q**	20	20	25	125	38	**SMYE3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16ER	**LSSRDH2525M16**	25	25	32	150	38	**SMYE3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16ER	**LSSRDH3232P16**	32	32	40	170	38	**SMYE3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT22ER	**LSSRDH2525M22Q**	25	25	32	150	38	**SMYE4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22ER	**LSSRDH3232P22**	32	32	40	170	38	**SMYE4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
	Links												
LT16EL	**LSSLDH2020K16Q**	20	20	25	125	38	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16EL	**LSSLDH2525M16**	25	25	32	150	38	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16EL	**LSSLDH3232P16**	32	32	40	170	38	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT22EL	**LSSLDH2525M22Q**	25	25	32	150	38	**SMYI4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22EL	**LSSLDH3232P22**	32	32	40	170	38	**SMYI4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20

Bestellbeispiel :
LSSRDH2020K16Q

LT Gewindedrehen – Kennzeichnungssystem für Bohrstangen

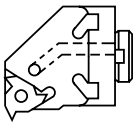
A – Stahl mit Innenkühlung



E - Hartmetall mit Innenkühlung



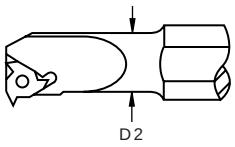
H – auswechselbarer Bohrkopf mit Innenkühlung



1. Konstruktionsmerkmale der Bohrstange

A

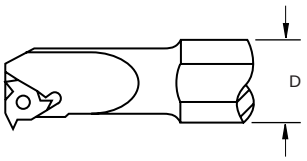
2. Abgesetzter Schaft



Metrischer Durchmesser in mm.

10

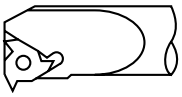
Metrischer Durchmesser in mm.



3 Durchmesser des Aufnahmeschaftes

10

4. Wendeschneidplatten-Ausführung



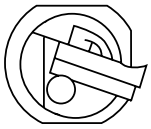
L – flach liegend, dreieckig

L

5. Art der Klemmung

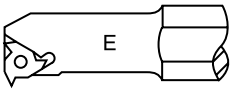


S = Schraube für WPL oder nur Spannelement



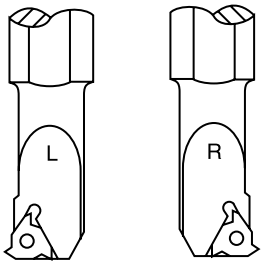
S

6. Form der Bohrstange



E

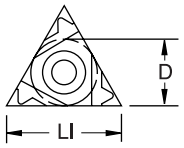
7. Ausführung der Bohrstange



links rechts

R

Die Zollgröße entspricht der Anzahl Achtelinchschritte von “D”.



WPL-Größe (Zoll)	WPL-Größe (mm)	D (Zoll)	LI (mm)
2	11	1/4	11,0
3	16	3/8	16,5
4	22	1/2	22,0

8. Wendeschneidplattengröße

11

*HINWEIS: Bohrstangen mit abgesetztem Schaft über 16 mm werden mit Spannelement und Schraube für die Wendeschneidplatte geliefert. Befestigen Sie die Wendeschneidplatte entweder mit dem Spannelement **oder** mit der Schraube, **nicht jedoch mit beidem.**

LT Gewindedrehen – Kennzeichnungssystem für Unterlagen

1. Unterlage

SM

2. Y – Unterlage für LT Standard-WPL

Y

3. E – Außen I – Innen

E

4. WPL-Größe

D-Wert in Achtelzoll

3

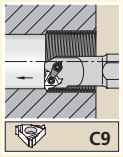
2P– 2° positiv
1P– 1° positiv
__– 0° neutral
1N– 1° negativ
2N– 2° negativ
3N– 3° negativ

5. Unterlagenwinkel

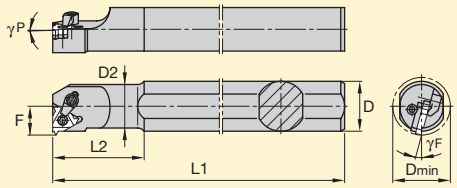
2P

HINWEIS: WPL = Wendeschneidplatte.
Für Unterlagen und Unterlagensätze siehe Seite C59 - C61.

A-LSE



Stahlschaft mit Innenkühlung

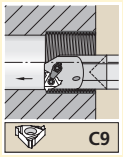


Wende-schneid-platte	Katalognummer	D	Dmin	D2	F	L1	L2	A	γF°	γP°	Unter-lage	Schraube für Unter-lage	Torx	Spann-element komplett	Torx	Schraube für WPL	Torx
	Rechts																
LT11NR	**A1010LSER11**	10	13	10,0	7,3	100	100	4,5	-15,0	-1,5	-	-	-	-	-	**SSN2T**	T8
LT11NR	**A1020LSER11**	20	13	10,0	7,3	180	25	4,5	-15,0	-1,5	-	-	-	-	-	**SSN2T**	T8
LT11NR	**A1320LSER11**	20	16	13,0	8,9	180	32	4,5	-15,0	-1,5	-	-	-	-	-	**SSN2T**	T8
LT16NR	**A1616LSER16**	16	20	16,0	11,3	150	32	4,5	-15,0	-1,5	-	-	-	-	-	**SSA3T**	T10
LT16NR	**A1320LSER16**	20	17	13,0	10,3	180	32	4,5	-15,0	-1,5	-	-	-	-	-	**SSA3T**	T10
LT16NR	**A1620LSER16**	20	20	16,0	11,5	180	40	4,5	-15,0	-1,5	-	-	-	-	-	**SSA3T**	T10
LT16NR	**A2020LSER16**	20	24	20,0	13,4	180	40	4,5	-15,0	-1,5	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16NR	**A2525LSER16**	25	29	24,6	15,8	200	45	8,0	-15,0	-1,5	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16NR	**A2532LSER16**	32	29	25,0	16,0	250	60	8,0	-15,0	-1,5	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT22NR	**A2020LSER22**	20	27	20,0	15,6	180	50	8,0	-15,0	-1,5	**SMYI4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22NR	**A2525LSER22**	25	32	24,6	17,6	200	45	8,0	-15,0	-1,5	**SMYI4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22NR	**A2532LSER22**	32	32	25,0	17,8	250	60	8,0	-15,0	-1,5	**SMYI4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22NR	**A3232LSER22**	32	39	32,0	21,5	250	60	8,0	-15,0	-1,5	**SMYI4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22NR	**A4040LSER22**	40	47	40,0	25,8	300	60	8,0	-15,0	-1,5	**SMYI4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
	Links																
LT11NL	**A1010LSEL11**	10	13	10,0	7,3	100	100	4,5	-15,0	-1,5	-	-	-	-	-	**SSN2T**	T8
LT11NL	**A1020LSEL11**	20	13	10,0	7,3	180	25	4,5	-15,0	-1,5	-	-	-	-	-	**SSN2T**	T8
LT11NL	**A1320LSEL11**	20	16	13,0	8,9	180	32	4,5	-15,0	-1,5	-	-	-	-	-	**SSN2T**	T8
LT16NL	**A1616LSEL16**	16	20	16,0	11,3	150	32	4,5	-15,0	-1,5	-	-	-	-	-	**SSA3T**	T10
LT16NL	**A1320LSEL16**	20	17	13,0	10,3	180	32	4,5	-15,0	-1,5	-	-	-	-	-	**SSA3T**	T10
LT16NL	**A1620LSEL16**	20	20	16,0	11,5	180	40	4,5	-15,0	-1,5	-	-	-	-	-	**SSA3T**	T10
LT16NL	**A2020LSEL16**	20	24	20,0	13,4	180	40	4,5	-15,0	-1,5	**SMYE3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16NL	**A2525LSEL16**	25	29	24,6	15,8	200	45	8,0	-15,0	-1,5	**SMYE3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16NL	**A2532LSEL16**	32	29	25,0	16,0	250	60	8,0	-15,0	-1,5	**SMYE3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT22NL	**A2020LSEL22**	20	27	20,0	15,6	180	50	8,0	-15,0	-1,5	**SMYE4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22NL	**A2525LSEL22**	25	32	24,6	17,6	200	45	8,0	-15,0	-1,5	**SMYE4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22NL	**A2532LSEL22**	32	32	25,0	17,8	250	60	8,0	-15,0	-1,5	**SMYE4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22NL	**A3232LSEL22**	32	39	32,0	21,5	250	60	8,0	-15,0	-1,5	**SMYE4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22NL	**A4040LSEL22**	40	47	40,0	25,8	300	60	8,0	-15,0	-1,5	**SMYE4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20

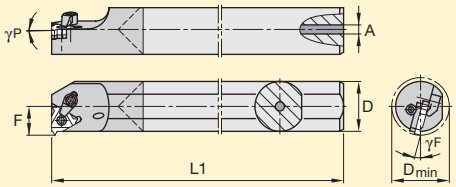
Bestellbeispiel :
A1010LSER11

Hinweis: Die ohne Unterlage aufgeführten Positionen haben einen Neigungswinkel von 1,5°.

E-LSE

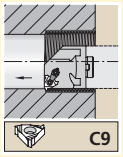


Hartmetallschaft mit Innenkühlung

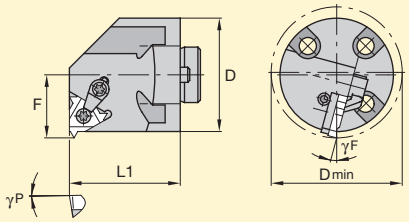


Wende-schneid-platte	Katalognummer	D	Dmin	D2	F	L1	L2	A	γF°	γP°	Unter-lage	Schraube für Unter-lage	Torx	Spann-element komplett	Torx	Schraube für WPL	Torx
	Rechts																
LT16NR	**E16RLSER16**	16	20	-	11,5	200	-	5,537	-15,0	-1,5	-	-	-	-	-	**SSA3T**	T10
LT16NR	**E20SLSER16**	20	24	-	13,4	250	-	7,137	-15,0	-1,5	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16NR	**E25TLSER16**	25	29	-	15,8	300	-	7,925	-15,0	-1,5	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
	Links																
LT16NL	**E16RLSEL16**	16	20	-	11,5	200	-	5,537	-15,0	-1,5	-	-	-	-	-	**SSA3T**	T10

H-LSE



Mit Innenkühlung



Wende-schneid-platte	Katalognummer	D	Dmin	L1	F	γF°	γP°	Unter-lage	Schraube für Unter-lage	Torx	Spann-element komplett	Torx	Schraube für WPL	Torx
	Rechts													
LT16NR	**H40LSER16**	40	45,0	41,3	22,6	-15,0	-1,5	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16NR	**H50LSER16**	50	61,0	41,3	32,5	-15,0	-1,5	**SMYI3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT22NR	**H40LSER22**	40	45,3	41,3	24,8	-15,0	-1,5	**SMYI4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22NR	**H50LSER22**	50	61,0	41,3	32,5	-15,0	-1,5	**SMYI4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
	Links													
LT16NL	**H40LSEL16**	40	45,0	41,3	22,6	-15,0	-1,5	**SMYE3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT16NL	**H50LSEL16**	50	61,0	41,3	32,5	-15,0	-1,5	**SMYE3**	**SSY3T**	T10	**CKC3**	T15	**SSA3T**	T10
LT22NL	**H40LSEL22**	40	45,3	41,3	24,8	-15,0	-1,5	**SMYE4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20
LT22NL	**H50LSEL22**	50	61,0	41,3	32,5	-15,0	-1,5	**SMYE4**	**SSY4T**	T20	**CKC4**	T20	**SSA4T**	T20

HINWEIS: Für Bohrstangen-Aufnahmen siehe Seite A234-A236.

Bestellbeispiel :
E16RLSER16

Hinweis: Die ohne Unterlage aufgeführten Positionen haben einen Neigungswinkel von 1,5°.

Engineering Your Competitive Edge

FÜR DEN FORMEN- UND GESENKBAU



Kennametal ermöglicht führenden Herstellern im Formen- und Gesenkbau die Produktion **qualitativ hochwertiger Produkte** bei **geringen Kosten.** Wir bieten unseren Kunden **Hochgeschwindigkeits-Technologien (HSC)** mit integrierten, **hochentwickelten CAD/CAM-Lösungen** zur Verwirklichung hoch gesteckter Produktivitätsziele.



Gesenk



Kunststoffform

Weitere Informationen:

Besuchen Sie uns online unter www.kennametal.com oder fragen Sie Ihren zuständigen Außendienstmitarbeiter!

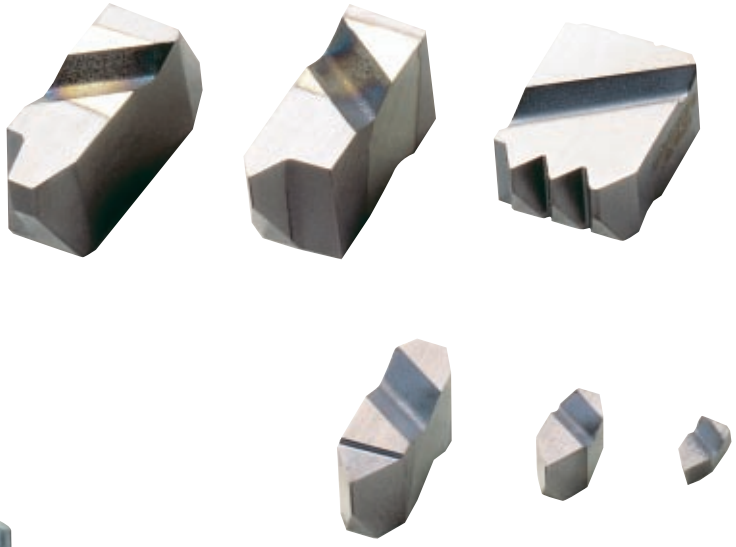
KENNAMETAL®

ENGINEERING YOUR COMPETITIVE EDGE

Engineering Your Competitive Edge®

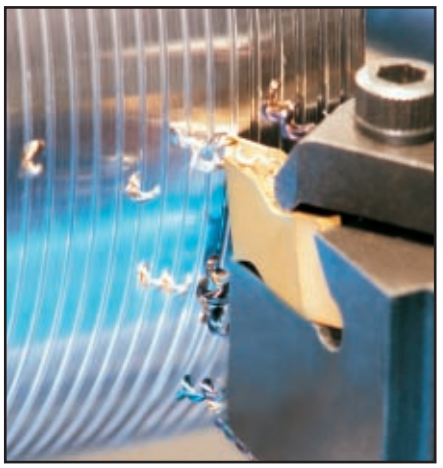
TOP NOTCH

Gewindedrehen ...



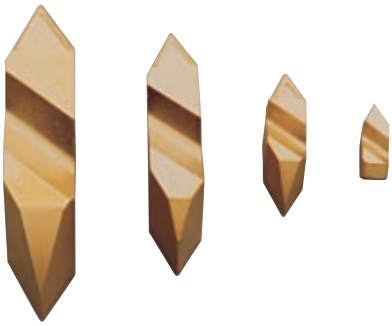


... die bewährte Lösung für hochproduktive Gewindedrehoperationen!



Wahl des TOP NOTCH Gewindeschneidsystems

- Die erste Wahl für Hochleistungsanwendungen wie dem Herstellen von Acme-, Buttress- und API-Gewinden. Top Notch ist außerdem die beste Lösung für das Drehen von Grobgewinden und für Mehrzahn-Gewindeschneidanwendungen.
- Die branchenweit größte Auswahl an Wendeschneidplatten-Geometrien und Schneidstoffsorten.
- Das sehr steife Spannsystem erzielt beste Standzeiten, Oberflächengüten und Werkstückqualitäten.
- Die einfache Top Notch Konstruktion erfordert keine Unterlagenauswahl für Gewinde-Steigungswinkel. Dadurch werden Fehler beim Einrichten vermieden.
- Durch die Verwendung derselben Top Notch Klemmhalter und Bohrstangen für sowohl Gewindeschneidplatten als auch Einstechplatten wird der Lagerbestand verringert.
- Top Notch Wendeschneidplatten mit Spanformer verhindern lange, unkontrollierte Wendelspäne.
- Eine ausgezeichnete Wahl für spezielle Gewindeformen und Klemmhalterausführungen.

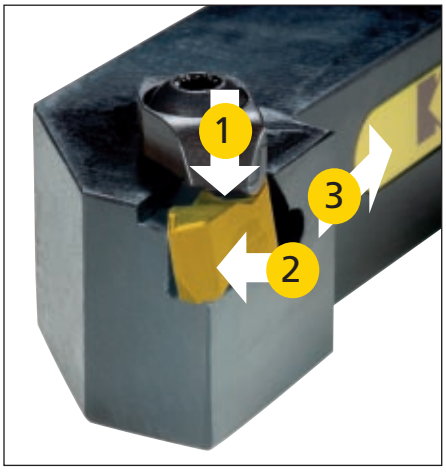


Präzisionsgeschliffene Gewindeform

- minimiert die Aufbauschneidenbildung
- für präzise Bearbeitung der meisten gebräuchlichen Werkstoffe
- reduziert die Schnittkräfte
- gewährleistet höchste Qualität und Genauigkeit

Ausgezeichnete Spankontrolle

- vermeidet lange, unkontrollierte Späne
- hervorragend für die Herstellung von Innengewinden geeignet
- bei Teilprofilgewindeschneidplatten für 60°-Gewindeformen erhältlich



KENNA PERFECT Premiumsorten

- KC5010 und KC5025 mit PVD-TiAlN-Beschichtung, KC5410 mit TiB_2 -Beschichtung und Cermetsorte KT315
- Erhöhung der Schnittgeschwindigkeit und Reduzierung der Durchgänge für optimale Produktivität
- Herstellung hochwertiger Gewinde – produktiver als mit jedem anderen Werkzeug

Neue KENNA UNIVERSAL Wendeschneidplatten

- PVD-beschichtete Sorte KU25T sorgt für hervorragende Einsatzvielfalt und Wirtschaftlichkeit
- in 60°-Teilprofil-Gewindeformen sowohl mit als auch ohne Spanformer erhältlich

Das steife Spannsystem verhindert jegliche Bewegung der Wendeschneidplatte beim Gewindedrehen mit hohen Zustellwerten.

KENNA PERFECT – TOP NOTCH Gewindedrehen

4 einfache Schritte zu höherer Produktivität

Was Sie wissen müssen:

- Außen-/Innenbearbeitung
- Spindeldrehung/Gewinderichtung
- Vorschubrichtung

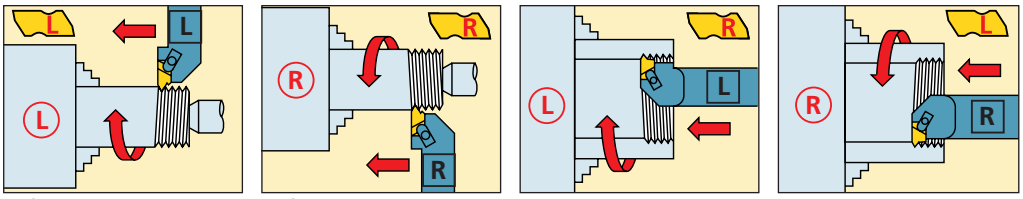
1. Schritt – Wahl des Gewindeschneidverfahrens und der Ausführung des Werkzeuges

(L) oder (R) – Gewinderichtung

[L] oder [R] – Ausführung des Klemmhalters

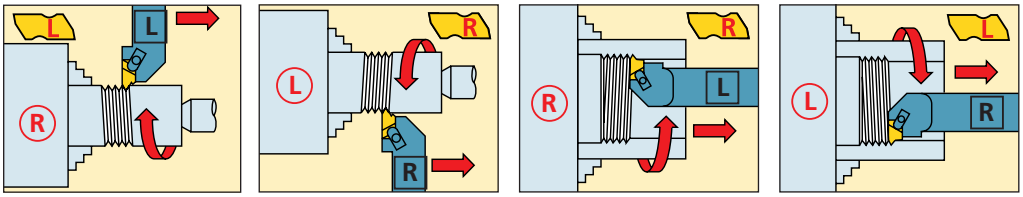
L oder R – Ausführung der Wendeplatte

• Vorschubrichtung gegen das Spannfutter – Standard-Steigungswinkel



Außengewinde links | Außengewinde rechts | Innengewinde links | Innengewinde rechts

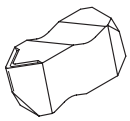
• Vorschubrichtung weg vom Spannfutter – negativer Steigungswinkel



Außengewinde rechts | Außengewinde links | Innengewinde rechts | Innengewinde links

2. Schritt – Wahl der für die Anwendung geeigneten Wendeschneidplatte

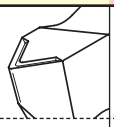
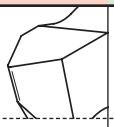
- Siehe Gewindeschneidplattenübersicht auf Seite C35.
- Wählen Sie Vollprofilgewindeschneidplatten für ein voll ausgeformtes Gewindeprofil einschließlich Durchmesserkontrolle. Vollprofilgewindeschneidplatten machen ein Entgraten überflüssig.
- Teilprofilgewindeschneidplatten ermöglichen das Schneiden unterschiedlicher Gewindesteigungen. Spankontrolle ist nur bei Teilprofilgewindeschneidplatten verfügbar.
- Beachten Sie die Wendeschneidplattengröße bei der Klemmhalterauswahl.



Wendeschneidplattengröße	Katalognummer	KC5025	KC5010
2	NT-2RK	●	●
3	NT-3RK	●	●
4	NT-4RK	●	●

3. Schritt – Wahl des Schneidstoffs und der Schnittgeschwindigkeit

Empfehlungen zur Schneidstoff- und Schnittgeschwindigkeitswahl – m/min (sfm)

	Werkstoff	Stahl	Nicht rostender Stahl	Gusseisen	NE-Metalle	Schwer zerspanbare Werkstoffe
KENNA PERFECT	Wendeschneidplatten-Ausführung	Spanformer oder neutral 	Spanformer oder positiv 	neutral 	positiv 	positiv 
	Optimale Schnittbedingungen	KC5010* 50 - 230 (160 - 750)	KC5010* 50 - 185 (160 - 600)	KC5010 70 - 210 (230 - 700)	KC5410 70 - 390 (230 - 1300)	KC5010 20 - 120 (65 - 400)
	Erste Wahl	KC5025 40 - 200 (130 - 650)	KC5025 40 - 135 (130 - 450)	KC5025 260 - 475 (200 - 475)	KC5025 50 - 360 (160 - 1150)	KC5025 10 - 100 (35 - 330)
KENNA UNIVERSAL	Wendeschneidplatten-Ausführung	Spanformer oder neutral 				
	Auswahl	KU25T 25 - 140 (80 - 450)	KU25T 25 - 100 (80 - 350)	KU25T 30 - 110 (100 - 360)	KU25T 30 - 300 (100 - 1000)	KU25T 10 - 85 (35 - 280)

* Hinweis: KT315 ist auch als optimaler Schneidstoff für Stahl und nicht rostenden Stahl für Teilprofiloperationen erhältlich. Geschwindigkeit auf 15 % über die oben aufgeführten Empfehlungen erhöhen.

Beispiele: Spanformer: NT-K oder NT-CK (nur Teilprofil)
Neutral: NT, NT-C, NTF, NTC, NJ, NJF, NDC-V, NA, NDC, NTB-A/B
Positiv: NTP, NTK, NJP, NJK

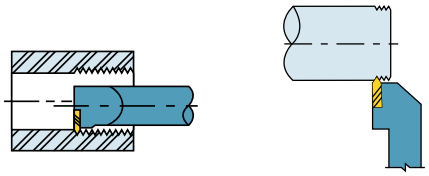
4. Schritt – Wahl des Klemmhalters aus dem Katalog

HINWEIS: Die Wendeschneidplattengröße muss mit der Plattengröße des gewählten Klemmhalters übereinstimmen:

Erforderliche Informationen:

- Außen-/Innenbearbeitung
- minimaler Bohrungsdurchmesser (für die Innenbearbeitung)
- Richtung des Werkzeugs
- Wendeschneidplattengröße

Wählen Sie den für die Wendeschneidplattengröße und Ausführungsrichtung geeigneten Klemmhalter



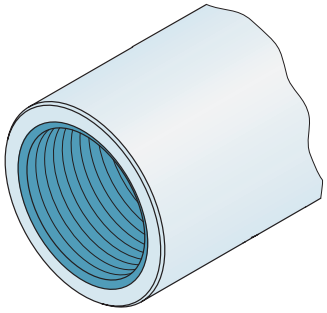
Katalognummer	Wendeschneidplatte
NSR 2525 M3	N.3R
NSR 2525 M4	N.4R

HINWEIS: TOP NOTCH Klemmhalter und Bohrstangen sind mit einer Wendeschneidplatte aufgeführt, um die erforderliche Größe und Schneideausführung zu bestimmen. Sie sind mit Einstech- und Gewindeschneidplatten derselben Größe kompatibel.

HINWEIS: Optimieren Sie Ihre Gewindeschneidoperation durch die Wahl des geeigneten Zustellwinkels und der empfohlenen Zustellwerte. Siehe technische Daten auf den Seiten C56-C58 in diesem Katalog.
Beim Innengewindedrehen ist der min. Bohrungsdurchmesser vom Gewindetyp abhängig – siehe C62.

TOP NOTCH Gewindeschneiden – Beispiel:

Einsatz:	Acme-Innengewinde Rechtsgewinde mit 8 Gängen/Zoll
Werkstoff :	legierter Stahl
Werkstück-Ø:	114,3 mm (4.5 Zoll), gute Schnittbedingungen, Vorschub gegen das Spannfutter

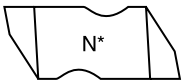


Empfehlung:

Wendeschneidplatte :	NA3L8
Schneidstoffsorte :	KC5010
Wendeschneidplattengröße:	3
Bohrstange :	A40TNNTOR3
Wendeschneidplatte :	N.3L
Schnittgeschwindigkeit :	150 m/min (500 sfm)
Schnittdurchgänge*:	12 Durchgänge

* Zustellungsempfehlungen sind den Technischen Daten auf den Seiten C56 - C58 zu entnehmen.

*TOP NOTCH

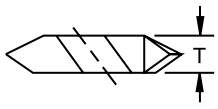


1. Wende-schneidplattentyp

N **J**

2. Wendeschneid-platten-Gewindeform

A – Acme
D – API oder NPT
J – UNJ-Gewinde
T – 60°-V-Gewinde
W – 55°-V-Whitworth



WPL-Größe	T (Zoll)	T (mm)
1		
2	.100	2,54
3	.150	3,81
4	.195	4,95
5	.255	6,48
6	.380	9,65
8	.383	9,73
	.438	11,13

Siehe vollständige Abmessungstabelle unten.

4. Wende-schneidplattengröße

F **3**

3. Zusätzliche Informationen

B – Buttress
F – Feingewinde
S – Stub Acme
C – Vollprofil
P – positiver Spanwinkel
K – Feingewinde, positiv
U – Utility**

Dieses Feld steht für die API-Bezeichnung oder die anerkannte Industriebezeichnung (z. B.—10RD, 8RD, .038)
oder
Angabe des Grundradius in Schritten von .001 Zoll (NJ, NJF, NJP, NJK).
oder
M für metrisches ISO-Gewinde

5. Industrienorm-Bezeichnung

R

6. Ausführung der Wendeschneidplatte

R – rechts
L – links

- Gang/Zoll oder Steigung (metrisch)
- Buttress-Platte Typ "A" oder "B"
- Verjüngung/Fuß – API-Gewinde

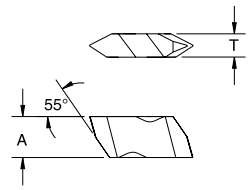
7. Definition der Wendeschneidplatte

12

8. Zusätzliche Informationen

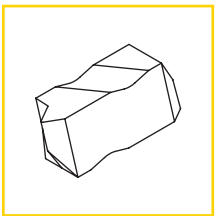
I – Innengewinde
E – Außengewinde (nur anzugeben, wenn Innen- und Außengewinde unterschiedlich sind)
M – Mehrzahn
K – Standard-Spanformer
C – Grobgewinde
D – Dichtgewinde

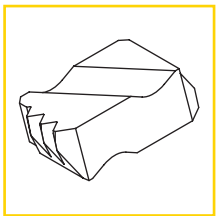
* Nur Kennametal-eigener Standard.
**Utility-Gewindeschneidplatte kann nur in NSUR/L-Utility-Haltern eingesetzt werden.

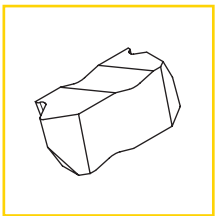


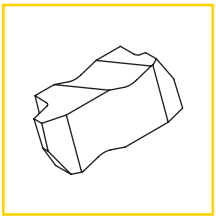
Top Notch Gewindeschneid- und Einstechplatten-Abmessungen

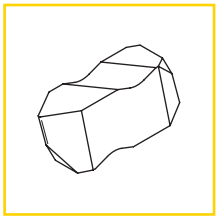
WPL-Größe	A		T	
	Zoll	mm	Zoll	mm
1	.100	2,54	.100	2,54
2	.219	5,56	.150	3,81
3	.344	8,74	.195	4,95
4	.453	11,51	.255	6,48
5	.688	17,48	.380	9,65
6	.453	11,51	.383	9,73
8	.312	7,93	.438	11,13

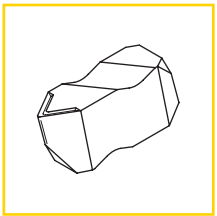

NJF


NDC-V-M


NTC


NA


NT


NT-K

HINWEIS: WPL = Wendeschneidplatte.

Ausführung								
Spanformer - K	ohne Spanformer Neutral	ohne Spanformer Positiv	Gewindeprofil	Norm	Toleranz-klasse	Voll-profil	Einsatzbereich	Seite
NT-K 	NT 	NTP 	Teilprofil 60°	-	-		Allgemeine Verwendung für 60°-Gewindeformen wie ISO und UN, wenn Teilprofilgewindeschneidplatten zum Schneiden verschiedener Steigungen eingesetzt werden sollen.	C36
NT-CK 			Teilprofil 60° Grobgewinde	-	-		60°-Grobgewindeformen wie ISO und UN, wenn Teilprofilgewindeschneidplatten zum Schneiden verschiedener Steigungen eingesetzt werden sollen.	C37
	NTF 	NTK 	Teilprofil 60° Feingewinde	-	-		60°-Feingewindeformen wie ISO und UN, wenn Teilprofilgewindeschneidplatten zum Schneiden verschiedener Steigungen eingesetzt werden sollen – zum Schneiden in Schulternähe geeignet.	C37 C38
	NTU 		Teilprofil 60° 4-schneidige Wendeschneid-platte	-	-		4-schneidige 60°-Teilprofilgewindeschneid-platte – erfordert NSU-Klemmhalter für Plattengröße 4U	C38
	NTC-M 		Metrisches ISO-Gewinde	ISO R262, DIN 13	6g / 6H	●	in allen Industriezweigen gebräuchliche metrische 60°-V-Form	C38
	NTC 		Amerikanisches UN-Gewinde	ANSI B1.1:74	2A / 2B	●	in allen Industriezweigen gebräuchliche zollbasierte 60°-V-Form	C39
	NJ 	NJP 	UNJ	MIL-S-8879C	3A / 3B		kontrollierter Grundradius bei Außengewinden für die Militär- und Luftfahrtindustrie	C40
	NJF 	NJK 	UNJ - Feingewinde	MIL-S-8879C	3A / 3B		kontrollierter Grundradius bei Außengewinden für die Militär- und Luftfahrtindustrie – zum Schneiden in Schulternähe geeignet	C40 C41
	NDC-V 		NPT	USAS B2.1:1968	Standard NPT	●	Nationale Rohrgewinde-Standardformen für Rohrleitungsanschlüsse	C42
	NDC-V-M 		NPT - Mehrzahn	USAS B2.1:1968	Standard NPT	●	hochproduktive Mehrzahn-Gewindeschneidplatten für NPT-Gewinde	C42
	NWC 		Whitworth, BSW, BSP	BS 84:1956, ISO 228/1:1982, DIN 259	Mittel Klasse A	●	allgemein gebräuchliche 55°-Form für Gas- und Wasseranschlüsse	C42
	ND 		API Buttress Casing - Teilprofil	API SPEC. 7:1990	Standard API		60°-V-Form für Drehschulter-Rohrverbindungen in der Öl- und Gasindustrie, einschließlich der Formen V-.038R, V-.040 und V-.050	C43
	NDC 		API Buttress Casing - Vollprofil	API SPEC. 7:1990	Standard API	●	60°-V-Form für Drehschulter-Rohrverbindungen in der Öl- und Gasindustrie, einschließlich der Formen V-.038R, V-.040 und V-.050 – komplette Vollprofilform mit Verjüngung	C43
	NDC-RD 		API Round	API STD. 5B:1979	Standard API RD	●	60°-V-Form mit großem Radius für Futterrohre, Steigrohre und Leitungsrohre in der Öl- und Gasindustrie, einschließlich der Rundformen 8 und 10	C44
	NDC-RD-M 		API Round - Mehrzahn	API STD. 5B:1979	Standard API RD	●	hochproduktive Mehrzahn-Gewindeschneidplatten für API-Rundgewinde	C44
	NA 		Acme	ANSI B1.5:1988	3G		29°-Trapezgewindeform für Bewegungsanwendungen in zahlreichen Industriezweigen	C45
	NAS 		Stub Acme	ANSI B1.8:1988	2G		29°-Trapezgewindeform mit geringer Tiefe für Bewegungsanwendungen in zahlreichen Industriezweigen	C46
	NTB-A 		Amerikanisches Buttress-Gewinde · 7°-Druckfläche voreilend (Druck)	ANSI B1.9:1973	Klasse 2		Sägezahnform für Anwendungen mit axialer Belastung in unterschiedlichen Industriezweigen – Ausführung "A" verwenden, wenn die 7°-Druckfläche die voreilende Kante ist	C46
	NTB-B 		Amerikanisches Buttress-Gewinde · 45°-Freifläche voreilend (Zug)	ANSI B1.9:1973	Klasse 2		Sägezahnform für Anwendungen mit axialer Belastung in unterschiedlichen Industriezweigen – Ausführung "B" verwenden, wenn die 45°-Freifläche die voreilende Kante ist	C46

		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	Steigung (mm) Außen-gewinde	Steigung (mm) Innen-gewinde	TPI Steigung Gänge/Zoll Außen-gewinde	TPI Steigung Gänge/Zoll Innen-gewinde	RC Zoll	RC mm	E Zoll	E mm	KC5010	KC5025	KC5410	KT315	K68	KENNA UNIVERSAL KU25T
NT-K	**Teil-profil 60°**	2	**NT2RK**		0,70-3,00	1,25-3,50	8-36	7-20	.004	0,10	.075	1,91	●	●		●		●
		2		**NT2LK**	0,70-3,00	1,25-3,50	8-36	7-20	.004	0,10	.075	1,91	●	●		●		●
		3	**NT3RK**		1,25-4,00	2,00-5,00	6-20	5-12	.0065	0,17	.098	2,49	●	●		●		●
		3		**NT3LK**	1,25-4,00	2,00-5,00	6-20	5-12	.0065	0,17	.098	2,49	●	●		●		●
		4	**NT4RK**		1,25-6,25	2,00-6,25	4-20	4-12	.0065	0,17	.128	3,25	●	●		●		●
		4		**NT4LK**	1,25-6,25	2,00-6,25	4-20	4-12	.0065	0,17	.128	3,25	●	●		●		●
NT-1L	**Teil-profil 60° Innen-gewinde**	1	**NT1L**		-	1,00-2,00	-	12-24	.003	0,08	.043	1,09	●	●			●	
NT	**Teil-profil 60°**	2	**NT2R**		0,70-3,00	1,25-3,50	8-36	7-20	.004	0,10	.075	1,91	●	●			●	●
		2		**NT2L**	0,70-3,00	1,25-3,50	8-36	7-20	.004	0,10	.075	1,91	●	●			●	●
		3	**NT3R**		1,25-4,00	2,00-5,00	6-20	5-12	.0065	0,17	.098	2,49	●	●			●	●
		3		**NT3L**	1,25-4,00	2,00-5,00	6-20	5-12	.0065	0,17	.098	2,49	●	●			●	●
		4	**NT4R**		1,25-6,25	2,00-6,25	4-20	4-20	.0065	0,17	.128	3,25	●	●			●	●
		4		**NT4L**	1,25-6,25	2,00-6,25	4-20	4-20	.0065	0,17	.128	3,25	●	●			●	●

Bestellbeispiel:
Katalognummer: NT2RK
Schneidstoffsorte : KC5010

		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	Steigung (mm) Außen-gewinde	Steigung (mm) Innen-gewinde	TPI Steigung Gänge/Zoll Außen-gewinde	TPI Steigung Gänge/Zoll Innen-gewinde	RC Zoll	RC mm	E Zoll	E mm	KC5010	KC5025	KC5410	KT315	K68	KENNA UNIVERSAL KU25T
NTP	**Teil-profil 60°**	2	**NTP2R**		0,70-3,00	1,25-3,50	8-36	7-20	.004	0,10	.075	1,91	●	●	●		●	
		2		**NTP2L**	0,70-3,00	1,25-3,50	8-36	7-20	.004	0,10	.075	1,91	●	●			●	
		3	**NTP3R**		1,25-4,00	2,00-5,00	6-20	5-12	.0065	0,17	.098	2,49	●	●	●		●	
		3		**NTP3L**	1,25-4,00	2,00-5,00	6-20	5-12	.0065	0,17	.098	2,49	●	●	●		●	
		4	**NTP4R**		1,25-6,25	2,00-6,25	4-20	4-12	.0065	0,17	.128	3,25	●	●	●		●	
		4		**NTP4L**	1,25-6,25	2,00-6,25	4-20	4-12	.0065	0,17	.128	3,25	●	●	●			
NT-CK	**Teil-profil 60°**	3	**NT3RCK**		2,50-4,00	4,00	6-11	6	.0135	0,34	.097	2,46	●	●				
		3		**NT3LCK**	2,50-4,00	4,00	6-11	6	.0135	0,34	.097	2,46	●	●				
		4	**NT4RCK**		2,50-5,50	4,00-5,50	4.5-11	4.5-6	.0135	0,34	.127	3,23	●	●				
		4		**NT4LCK**	2,50-5,50	4,00-5,50	4.5-11	4.5-6	.0135	0,34	.127	3,23	●	●				
NTF	**Teil-profil 60°**	2	**NTF2R**		0,60-1,75	1,00-2,00	14-44	12-24	.003	0,08	.110	2,79	●	●			●	
		2		**NTF2L**	0,60-1,75	1,00-2,00	14-44	12-24	.003	0,08	.110	2,79	●	●			●	
		3	**NTF3R**		0,60-2,50	1,00-2,50	10-44	9-24	.003	0,08	.141	3,58	●	●			●	
		3		**NTF3L**	0,60-2,50	1,00-2,50	10-44	9-24	.003	0,08	.141	3,58	●	●			●	
		4	**NTF4R**		0,60-2,50	1,00-2,50	10-44	9-24	.003	0,08	.201	5,11	●	●			●	
		4		**NTF4L**	0,60-2,50	1,00-2,50	10-44	9-24	.003	0,08	.201	5,11	●	●				

Bestellbeispiel:
Katalognummer: **NTF2R**
Schneidstoffsorte: **KC5010**

TOP NOTCH Gewindeschneidplatten

		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	Steigung (mm) Außen-gewinde	Steigung (mm) Innen-gewinde	TPI Steigung Gänge/Zoll Außen-gewinde	TPI Steigung Gänge/Zoll Innen-gewinde	RC Zoll	RC mm	E Zoll	E mm	KC5010	KC5025	KC5410	KT315	K68	KENNA UNIVERSAL KU25T
NTK	**Teil-profil 60°**	2	**NTK2R**		0,60-1,75	1,00-2,00	14-44	12-24	.003	0,08	.110	2,79	●	●			●	
		2		**NTK2L**	0,60-1,75	1,00-2,00	14-44	12-24	.003	0,08	.110	2,79	●	●			●	
		3	**NTK3R**		0,60-2,50	1,00-2,50	10-44	9-24	.003	0,08	.141	3,58	●	●			●	
		3		**NTK3L**	0,60-2,50	1,00-2,50	10-44	9-24	.003	0,08	.141	3,58	●	●			●	
		4	**NTK4R**		0,60-2,50	1,00-2,50	10-44	9-24	.003	0,08	.201	5,11	●	●				
		4		**NTK4L**	0,60-2,50	1,00-2,50	10-44	9-24	.003	0,08	.201	5,11	●	●				
NTU	**Teilprofil 60°Außen-gewinde**	4U	**NTU4R**		1,25-6,25	-	4-20	-	.0045	0,11	.125	3,18	●	●				
		4U		**NTU4L**	1,25-6,25	-	4-20	-	.0045	0,11	.125	3,18	●	●				
NTC-M-E	**Metrisches ISO-Außen-gewinde**	3	**NTC3MR150E**		1,50	-	-	-	.0080	0,20	.145	3,68	●	●				
		3		**NTC3ML150E**	1,50	-	-	-	.0080	0,20	.145	3,68	●	●				
		3	**NTC3MR200E**		2,00	-	-	-	.0106	0,27	.145	3,68	●	●				
		3		**NTC3ML200E**	2,00	-	-	-	.0106	0,27	.145	3,68	●	●				
		3	**NTC3MR300E**		3,00	-	-	-	.0159	0,40	.114	2,90	●	●				
		3		**NTC3ML300E**	3,00	-	-	-	.0159	0,40	.114	2,90	●	●				

Bestellbeispiel:
Katalognummer: **NTK2R**
Schneidstoffsorte : **KC5010**

		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	Steigung (mm) Außen-gewinde	Steigung (mm) Innen-gewinde	TPI Steigung Gänge/Zoll Außen-gewinde	TPI Steigung Gänge/Zoll Innen-gewinde	RC Zoll	RC mm	E Zoll	E mm	KC5010	KC5025	KC5410	KT315	K68	KENNA UNIVERSAL KU25T
NTC-M-I	**Metrisches ISO-Innen-gewinde**	3	NTC3MR150I		-	1,50	-	-	.0031	0,08	.145	3,68		●				
		3		NTC3ML150I	-	1,50	-	-	.0031	0,08	.145	3,68		●				
		3	NTC3MR200I		-	2,00	-	-	.0038	0,10	.145	3,68		●				
		3		NTC3ML200I	-	2,00	-	-	.0038	0,10	.145	3,68		●				
		3	NTC3MR300I		-	3,00	-	-	.0053	0,14	.106	2,69		●				
		3		NTC3ML300I	-	3,00	-	-	.0053	0,14	.106	2,69		●				
NTC-E	**Amerikan. UN-Außen-gewinde**	3	NTC3R32E		-	-	32	-	.0040	0,10	.148	3,76	●	●				
		3	NTC3R28E		-	-	28	-	.0045	0,12	.148	3,76	●	●				
		3	NTC3R24E		-	-	24	-	.0052	0,13	.148	3,76	●	●				
		3	NTC3R20E		-	-	20	-	.0062	0,16	.148	3,76	●	●				
		3		NTC3L20E	-	-	20	-	.0062	0,16	.148	3,76	●	●				
		3	NTC3R18E		-	-	18	-	.0070	0,18	.148	3,76	●	●				
		3		NTC3L18E	-	-	18	-	.0070	0,18	.148	3,76	●	●				
		3	NTC3R16E		-	-	16	-	.0075	0,19	.148	3,76	●	●				
		3		NTC3L16E	-	-	16	-	.0075	0,19	.148	3,76	●	●				
		3	NTC3R14E		-	-	14	-	.0088	0,22	.148	3,76	●	●				
		3		NTC3L14E	-	-	14	-	.0088	0,22	.148	3,76	●	●				
		3	NTC3R13E		-	-	13	-	.0096	0,24	.148	3,76	●	●				
		3	NTC3R12E		-	-	12	-	.0100	0,25	.148	3,76	●	●				
		3		NTC3L12E	-	-	12	-	.0100	0,25	.148	3,76	●	●				
		3	NTC3R11E		-	-	11	-	.0110	0,28	.107	2,72	●	●				
		3	NTC3R10E		-	-	10	-	.0124	0,32	.107	2,72	●	●				
		3		NTC3L10E	-	-	10	-	.0124	0,32	.107	2,72	●	●				
		3	NTC3R9E		-	-	9	-	.0140	0,36	.107	2,72	●	●				
		3	NTC3R8E		-	-	8	-	.0160	0,41	.107	2,72	●	●				
		3		NTC3L8E	-	-	8	-	.0160	0,41	.107	2,72	●	●				
		3	NTC3R7E		-	-	7	-	.0186	0,47	.107	2,72	●	●				
NTC-I	**Amerikan. UN-Außen-gewinde**	3	NTC3R16I		-	-	-	16	.0030	0,08	.148	3,76		●				
		3		NTC3L16I	-	-	-	16	.0030	0,08	.148	3,76		●				
		3	NTC3R14I		-	-	-	14	.0037	0,09	.148	3,76		●				
		3		NTC3L14I	-	-	-	14	.0037	0,09	.148	3,76		●				
		3	NTC3R12I		-	-	-	12	.0040	0,10	.148	3,76		●				
		3		NTC3L12I	-	-	-	12	.0040	0,10	.148	3,76		●				
		3	NTC3R10I		-	-	-	10	.0052	0,13	.107	2,72		●				
		3		NTC3L10I	-	-	-	10	.0052	0,13	.107	2,72		●				
		3	NTC3R8I		-	-	-	8	.0070	0,18	.107	2,72		●				
		3		NTC3L8I	-	-	-	8	.0070	0,18	.107	2,72		●				

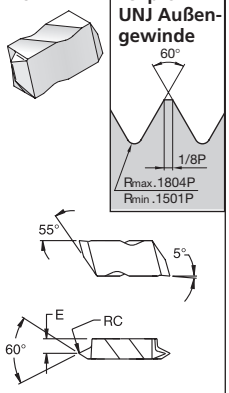
Bestellbeispiel:
Katalognummer: NTC3MR150I
Schneidstoffsorte: KC5025

TOP NOTCH Gewindeschneidplatten

		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	Steigung (mm) Außen-gewinde	Steigung (mm) Innen-gewinde	TPI Steigung Gänge/Zoll Außen-gewinde	TPI Steigung Gänge/Zoll Innen-gewinde	RC Zoll	RC mm	E Zoll	E mm	KC5010	KC5025	KC5410	KT315	K68	KENNA UNIVERSAL KU25T
NJ	**UNJ Außen-gewinde**	3	**NJ3010R16**		-	-	16	-	.0099	0,25	.098	2,49	●	●			●	
		3		**NJ3010L16**	-	-	16	-	.0099	0,25	.098	2,49	●	●				
		3	**NJ3014R12**		-	-	12	-	.0130	0,33	.098	2,49	●	●			●	
		3		**NJ3014L12**	-	-	12	-	.0130	0,33	.098	2,49	●	●			●	
		3	**NJ3020R8**		-	-	8	-	.0193	0,49	.098	2,49	●	●				
		3		**NJ3020L8**	-	-	8	-	.0193	0,49	.098	2,49	●	●				
NJP	**UNJ Außen-Gewinde**	3	**NJP3010R16**		-	-	16	-	.0099	0,25	.098	2,49	●	●				
		3		**NJP3010L16**	-	-	16	-	.0099	0,25	.098	2,49	●	●				
		3	**NJP3014R12**		-	-	12	-	.0130	0,33	.098	2,49	●	●			●	
		3		**NJP3014L12**	-	-	12	-	.0130	0,33	.098	2,49	●	●				
		3	**NJP3020R8**		-	-	8	-	.0193	0,49	.098	2,49	●	●				
		3		**NJP3020L8**	-	-	8	-	.0193	0,49	.098	2,49	●	●				
NJF	**UNJ Außen-gewinde**	3	**NJF3005R32**		-	-	32	-	.0052	0,13	.141	3,58	●	●				
		3		**NJF3005L32**	-	-	32	-	.0052	0,13	.141	3,58	●	●				
		3	**NJF3006R28**		-	-	28	-	.0059	0,15	.141	3,58	●	●			●	
		3		**NJF3006L28**	-	-	28	-	.0059	0,15	.141	3,58	●	●				
		3	**NJF3007R24**		-	-	24	-	.0068	0,17	.141	3,58	●	●				
		3		**NJF3007L24**	-	-	24	-	.0068	0,17	.141	3,58	●	●				
		3	**NJF3008R20**		-	-	20	-	.0078	0,20	.141	3,58	●	●			●	
		3		**NJF3008L20**	-	-	20	-	.0078	0,20	.141	3,58	●	●				
		3	**NJF3009R18**		-	-	18	-	.0088	0,22	.141	3,58	●	●			●	
		3		**NJF3009L18**	-	-	18	-	.0088	0,22	.141	3,58	●	●				
		3	**NJF3010R16**		-	-	16	-	.0099	0,25	.141	3,58	●	●			●	
		3		**NJF3010L16**	-	-	16	-	.0099	0,25	.141	3,58	●	●				
		3	**NJF3012R14**		-	-	14	-	.0112	0,28	.141	3,58	●	●				
		3		**NJF3012L14**	-	-	14	-	.0112	0,28	.141	3,58	●	●				

Bestellbeispiel:
Katalognummer: **NJ3010R16**
Schneidstoffsorte: **KC5010**

		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	Steigung (mm) Außen-gewinde	Steigung (mm) Innen-gewinde	TPI Steigung Gänge/Zoll Außen-gewinde	TPI Steigung Gänge/Zoll Innen-gewinde	RC Zoll	RC mm	E Zoll	E mm	KC5010	KC5025	KC5410	KT315	K68	KU25T
NJK	**Teilprofil UNJ Außen-gewinde**	3	**NJK3005R32**		-	-	32	-	.0052	0,13	.141	3,58	●	●				
		3		**NJK3005L32**	-	-	32	-	.0052	0,13	.141	3,58	●	●				
		3	**NJK3006R28**		-	-	28	-	.0059	0,15	.141	3,58	●	●				
		3		**NJK3006L28**	-	-	28	-	.0059	0,15	.141	3,58	●	●				
		3	**NJK3007R24**		-	-	24	-	.0068	0,17	.141	3,58	●	●				
		3		**NJK3007L24**	-	-	24	-	.0068	0,17	.141	3,58	●	●				
		3	**NJK3008R20**		-	-	20	-	.0078	0,20	.141	3,58	●	●			●	
		3		**NJK3008L20**	-	-	20	-	.0078	0,20	.141	3,58	●	●				
		3	**NJK3009R18**		-	-	18	-	.0088	0,22	.141	3,58	●	●				
		3		**NJK3009L18**	-	-	18	-	.0088	0,22	.141	3,58	●	●				
		3	**NJK3010R16**		-	-	16	-	.0099	0,25	.141	3,58	●	●			●	
		3		**NJK3010L16**	-	-	16	-	.0099	0,25	.141	3,58	●	●				
		3	**NJK3012R14**		-	-	14	-	.0112	0,28	.141	3,58	●	●				
		3		**NJK3012L14**	-	-	14	-	.0112	0,28	.141	3,58	●	●				



Bestellbeispiel:
Katalognummer: **NJF3005R32**
Schneidstoffsorte : **KC5010**

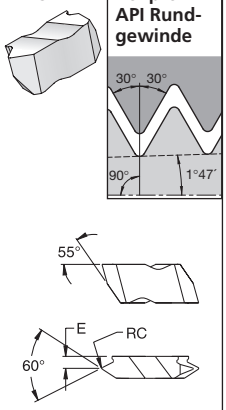
		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	TPI Steigung Gänge/ Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	CF Zoll	CF mm	E Zoll	E mm	KC5010	KC5025	KC5410	KT315	K68	KENNA UNIVERSAL KU25T
NDC-V	**Vollprofil NPT**	3	**NDC327VR75**		27	.750	.002	0,05	-	-	.144	3,66	●					
		3	**NDC318VR75**		18	.750	.003	0,08	-	-	.144	3,66	●					
		3	**NDC314VR75**		14	.750	.003	0,08	-	-	.144	3,66	●					
		3	**NDC3115VR75**		11.5	.750	.004	0,10	-	-	.144	3,66	●					
		3		**NDC3115VL75**	11.5	.750	.004	0,10	-	-	.144	3,66	●					
		3	**NDC38VR75**		8	.750	.005	0,13	-	-	.100	2,54	●					
		3		**NDC38VL75**	8	.750	.005	0,13	-	-	.100	2,54	●					
NDC-V-M (MEHR-ZAHN)	**Vollprofil NPT**	8	**NDC8115VR75M**		11.5	.750	.004	0,10	-	-	.102	2,59	●					
		8		**NDC8115VL75M**	11.5	.750	.004	0,10	-	-	.102	2,59	●					
		8	**NDC88VR75M**		8	.750	.005	0,13	-	-	.095	2,41	●					
		8		**NDC88VL75M**	8	.750	.005	0,13	-	-	.095	2,41	●					
NWC-E	**Vollprofil Whitworth BSW, BSP-Außen-gewinde**	3	**NWC3R14E**		14	-	.0093	0,235	-	-	.135	3,43	●	●			●	
		3	**NWC3R11E**		11	-	.0118	0,300	-	-	.135	3,43	●	●			●	

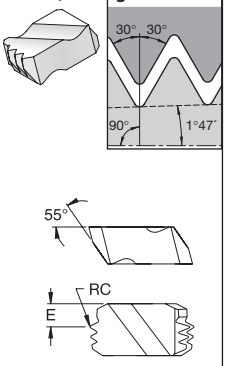
Bestellbeispiel:
Katalognummer : NDC327VR75
Schneidstoffsorte : KC5010

		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	TPI Steigung Gänge/ Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	CF Zoll	CF mm	E Zoll	E mm	KC5010	KC5025	KC5410	KT315	K68	KENNA UNIVERSAL KU25T
NWC-I	**Vollprofil Whitworth BSW, BSP-Innengewinde**	3		**NWC3L14I**	14	-	.0093	0,235	-	-	.135	3,43		●			●	
		3		**NWC3L11I**	11	-	.0118	0,300	-	-	.135	3,43		●				
ND (Partial Profile)	**Teilprofil API Drehschulterverbindungen**	3	**ND3040R**		5	-	.0175	0,445	-	-	.082	2,08	●	●				
		3		**ND33040L**	5	-	.0175	0,445	-	-	.082	2,08	●	●				
		3	**ND3038R**		4	-	.0355	0,902	-	-	.082	2,08	●	●				
		3		**ND3038L**	4	-	.0355	0,902	-	-	.082	2,08	●	●				
		4	**ND4040R**		5	-	.0175	0,445	-	-	.128	3,25		●				
		4		**ND4040L**	5	-	.0175	0,445	-	-	.128	3,25		●				
		4	**ND4050R**		4	-	.0225	0,572	-	-	.128	3,25	●	●				
		4		**ND4050L**	4	-	.0225	0,572	-	-	.128	3,25	●	●				
NDC (Teilprofil)	**Vollprofil API Drehschulterverbindungen**	3	**NDC3040R3**		5	3.000	.0175	0,445	-	-	.147	3,73	●	●				
		3		**NDC3040L3**	5	3.000	.0175	0,445	-	-	.147	3,73	●	●				
		4	**NDC4040R3**		5	3.000	.0175	0,445	-	-	.147	3,73	●	●				
		4		**NDC4040L3**	5	3.000	.0175	0,445	-	-	.147	3,73	●	●				
		4	**NDC4050R2**		4	2.000	.0225	0,572	-	-	.183	4,65	●	●				
		4		**NDC4050L2**	4	2.000	.0225	0,572	-	-	.183	4,65	●	●				
		4	**NDC4050R3**		4	3.000	.0225	0,572	-	-	.183	4,65	●	●				
		4		**NDC4050L3**	4	3.000	.0225	0,572	-	-	.183	4,65	●	●				
		4	**NDC4038R2**		4	2.000	.0355	0,902	-	-	.183	4,65	●	●				
		4		**NDC4038L2**	4	2.000	.0355	0,902	-	-	.183	4,65	●	●				

Bestellbeispiel:
Katalognummer: **NWC3L14I**
Schneidstoffsorte : **KC5025**

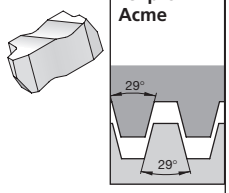
		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	TPI Steigung Gänge/ Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	CF Zoll	CF mm	E Zoll	E mm	KC5010	KC5025	KC5410	KT315	K68	KENNA UNIVERSAL KU25T
NDC-RD	**Vollprofil API Rund-gewinde**	3	**NDC310RDR75**		10	.750	.014	0,36	-	-	.125	3,18	●	●				
		3		**NDC310RDL75**	10	.750	.014	0,36	-	-	.125	3,18	●	●				
		3	**NDC38RDR75**		8	.750	.017	0,43	-	-	.125	3,18	●	●				
		3		**NDC38RDL75**	8	.750	.017	0,43	-	-	.125	3,18	●	●				
NDC-RD-M (MEHR-ZAHN)	**Vollprofil< API Rund-gewinde**	6	**NDC68RDR75M**		8	.750	.016	0,41	-	-	.103	2,62	●					
		6		**NDC68RDL75M**	8	.750	.016	0,41	-	-	.103	2,62	●					

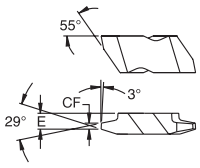




Bestellbeispiel:
Katalognummer: **NDC310RDR75**
Schneidstoffsorte: **KC5010**

NA — **Teilprofil Acme**





Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	TPI Steigung Gänge/ Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	CF Zoll	CF mm	E Zoll	E mm	KC5010	KC5025	KC5410	KT315	K68	KU25T
3	**NA3R16**		16	-	-	-	.0206	0,523	.149	3,79	●	●				
3		**NA3L16**	16	-	-	-	.0206	0,523	.149	3,79	●	●				
3	**NA3R14**		14	-	-	-	.0239	0,607	.149	3,79	●	●				
3		**NA3L14**	14	-	-	-	.0239	0,607	.149	3,79	●	●				
3	**NA3R12**		12	-	-	-	.0283	0,719	.149	3,79	●	●				
3		**NA3L12**	12	-	-	-	.0283	0,719	.149	3,79	●	●				
3	**NA3R10**		10	-	-	-	.0319	0,810	.149	3,79	●	●			●	
3		**NA3L10**	10	-	-	-	.0319	0,810	.149	3,79	●	●				
4	**NA4R10**		10	-	-	-	.0319	0,810	.202	5,13	●	●				
4		**NA4L10**	10	-	-	-	.0319	0,810	.202	5,13	●	●				
3	**NA3R8**		8	-	-	-	.0411	1,044	.149	3,79	●	●				
3		**NA3L8**	8	-	-	-	.0411	1,044	.149	3,79	●	●				
4	**NA4R8**		8	-	-	-	.0411	1,044	.202	5,13	●	●				
4		**NA4L8**	8	-	-	-	.0411	1,044	.202	5,13	●	●				
3	**NA3R6**		6	-	-	-	.0566	1,438	.149	3,79	●	●				
3		**NA3L6**	6	-	-	-	.0566	1,438	.149	3,79	●	●				
4	**NA4R6**		6	-	-	-	.0566	1,438	.202	5,13	●	●				
4		**NA4L6**	6	-	-	-	.0566	1,438	.202	5,13	●	●				
3	**NA3R5**		5	-	-	-	.0689	1,750	.149	3,79	●	●			●	
3		**NA3L5**	5	-	-	-	.0689	1,750	.149	3,79	●	●				
4	**NA4R5**		5	-	-	-	.0689	1,750	.202	5,13	●	●				
4		**NA4L5**	5	-	-	-	.0689	1,750	.202	5,13	●	●				
3	**NA3R4**		4	-	-	-	.0875	2,223	.133	3,38	●	●			●	
3		**NA3L4**	4	-	-	-	.0875	2,223	.133	3,38	●	●			●	
4	**NA4R4**		4	-	-	-	.0875	2,223	.202	5,13	●	●				
4		**NA4L4**	4	-	-	-	.0875	2,223	.202	5,13	●	●				
6	**NA6R3**		3	-	-	-	.1184	3,007	.283	7,19	●	●				
6		**NA6L3**	3	-	-	-	.1184	3,007	.283	7,19	●	●				
6	**NA6R25**		2.5	-	-	-	.1431	3,635	.283	7,19	●	●				
6		**NA6L25**	2.5	-	-	-	.1431	3,635	.283	7,19	●	●				
6	**NA6R2**		2	-	-	-	.1802	4,577	.283	7,19	●	●				
6		**NA6L2**	2.	-	-	-	.1802	4,577	.283	7,19	●	●				

KENNA UNIVERSAL

Bestellbeispiel:
Katalognummer: **NAS3R16**
Schneidstoffsorte: **KC5010**

TOP NOTCH Gewindeschneidplatten

		Wendeschneidplatten-größe	Katalognummer Rechts	Katalognummer Links	TPI Steigung Gänge/ Zoll	TPF Kegel Zoll/ Fuß	RC Zoll	RC mm	CF Zoll	CF mm	E Zoll	E mm	KC5010	KC5025	KC5410	KT315	K68	KENNA UNIVERSAL KU25T
NAS	**Teilprofil Verkürztes Stub**	3	**NAS3R16**		16	-	-	-	.0238	0,605	.149	3,79		●				
		3		**NAS3L16**	16	-	-	-	.0238	0,605	.149	3,79		●				
		3	**NAS3R14**		14	-	-	-	.0276	0,701	.149	3,79		●				
		3		**NAS3L14**	14	-	-	-	.0276	0,701	.149	3,79		●				
		3	**NAS3R12**		12	-	-	-	.0326	0,828	.149	3,79		●				
		3		**NAS3L12**	12	-	-	-	.0326	0,828	.149	3,79		●				
		3	**NAS3R10**		10	-	-	-	.0370	0,940	.149	3,79	●	●				
		3		**NAS3L10**	10	-	-	-	.0370	0,940	.149	3,79	●	●				
		3	**NAS3R8**		8	-	-	-	.0476	1,209	.149	3,79	●	●				
		3		**NAS3L8**	8	-	-	-	.0476	1,209	.149	3,79	●	●				
		3	**NAS3R6**		6	-	-	-	.0652	1,656	.149	3,79	●	●				
		3		**NAS3L6**	6	-	-	-	.0652	1,656	.149	3,79	●	●				
		3	**NAS3R5**		5	-	-	-	.0793	2,014	.149	3,79	●	●				
		3		**NAS3L5**	5	-	-	-	.0793	2,014	.149	3,79	●	●				
NTB-A	**Teilprofil Amerikan. Buttress-Gewinde – Druck**	2	**NTB2RA**		16-20	-	.003	0,076	-	-	.126	3,20	●	●			●	
		2		**NTB2LA**	16-20	-	.003	0,076	-	-	.126	3,20	●	●				
		3	**NTB3RA**		8-16	-	.0065	0,165	-	-	.164	4,17	●	●				
		3		**NTB3LA**	8-16	-	.0065	0,165	-	-	.164	4,17	●	●			●	
		4	**NTB4RA**		4-6	-	.010	0,254	-	-	.206	5,23	●	●				
		4		**NTB4LA**	4-6	-	.010	0,254	-	-	.206	5,23	●	●				
NTB-B	**Teilprofil Amerikan. Buttress-Gewinde – Druck**	2	**NTB2RB**		16-20	-	.003	0,076	-	-	.010	0,25	●	●				
		2		**NTB2LB**	16-20	-	.003	0,076	-	-	.010	0,25	●	●				
		3	**NTB3RB**		8-16	-	.0065	0,165	-	-	.012	0,31	●	●			●	
		3		**NTB3LB**	8-16	-	.0065	0,165	-	-	.012	0,31	●	●			●	
		4	**NTB4RB**		4-6	-	.010	0,254	-	-	.016	0,41	●	●				
		4		**NTB4LB**	4-6	-	.010	0,254	-	-	.016	0,41	●	●				

Bestellbeispiel:
Katalognummer: **NAS3R16**
Schneidstoffsorte: **KC5025**

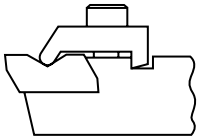
HINWEIS: Zur Auswahl von amerikanischen Buttress-Wendeschneidplatten siehe Seiten C65-C66.

METRISCH

ZOLL

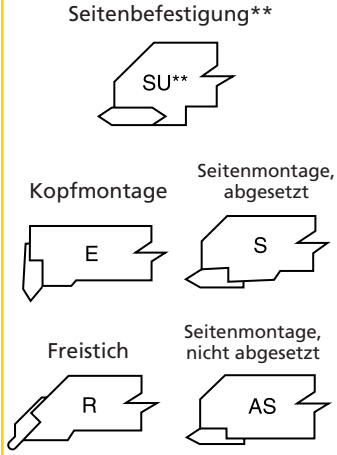
1. Art der Klemmung	2. Form des Werkzeuges	3. Ausführungsrichtung des Werkzeuges	4. Über-Kopf-Halter	5. Schaftgröße	6. Wendeschneidplattengröße	7. Eingeengte Toleranz für Halteranlagen
N	S	R		2525M	4	Q

1. Art der Klemmung

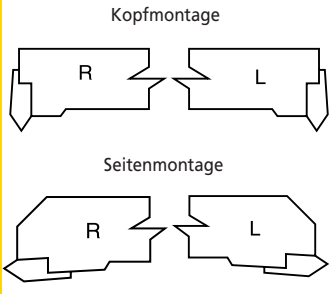


N – TOP NOTCH*

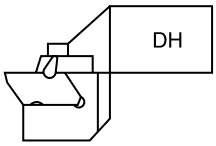
2. Form des Werkzeuges



3. Ausführungsrichtung des Werkzeuges



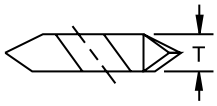
4. Über-Kopf-Halter



5. Schaftgröße

Metrisch:
Schafthöhe und -breite in mm und Halterlänge gemäß ISO Norm.
Zoll:
Diese Stelle gibt eine signifikante zweistellige Zahl an, die den Querschnitt des Klemmhalters bezeichnet. Bei Schäften mit mindestens 5/8" Schaftquerschnitt steht die Zahl für die Anzahl der Sechzehntel der Breite und Höhe.
Bei Schäften unter 5/8" ist der Anzahl der Sechzehntel des Querschnitts eine Null vorangestellt.
Bei rechteckigen Klemmhaltern steht die erste Ziffer für die Anzahl Achtel der Breite und die zweite Ziffer für die Anzahl Viertel der Höhe, ausgenommen sind Klemmhalter mit den Abmessungen 1 1/4" x 1 1/2", die die Zahl 91 erhalten.

6. Wendeschneidplattengröße



WPL-Größe	T Zoll	T mm
2	.150	3,81
3	.195	4,95
4	.255	6,98
5	.380	9,65
6	.383	9,73
8	.438	11,13

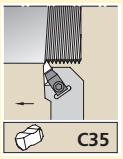
7. Eingeengte Toleranz für Halteranlagen

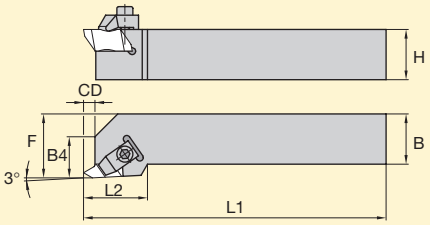
Q – Maße „F" und „L1" mit eingeengter Toleranz

* Nur Kennametal-eigener Standard.
**Im Halter mit Seitenmontage können nur NTU-Wendeschneidplatten verwendet werden.

HINWEIS: WPL = Wendeschneidplatte.

NS



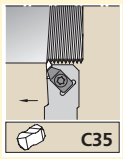


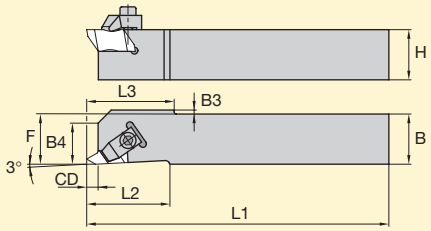
Wende-schneid-platte	Katalog-nummer	H	B	F	L1	L2	B4	CD	B3	L3	Spann-element	Schraube für Spann-element	Hex (mm) Torx Torx plus
	Rechts												
N.2R	**NSR1010E2**	10	10	14	70	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.2R	**NSR1212F2**	12	12	16	80	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.2R	**NSR1616H2**	16	16	20	100	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.2R	**NSR2020K2**	20	20	25	125	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.2R	**NSR2525M2**	25	25	32	150	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.3R	**NSR2020K3**	20	20	25	125	32	13	5,3	-	-	**CM72LP**	**MS2111**	25 IP
N.3R	**NSR2525M3**	25	25	32	150	32	13	5,3	-	-	**CM72LP**	**MS2111**	25 IP
N.3R	**NSR3225P3**	32	25	32	170	32	13	5,3	-	-	**CM72LP**	**MS2111**	25 IP
N.3R	**NSR3232P3**	32	32	40	170	32	13	5,3	-	-	**CM72LP**	**MS2111**	25 IP
N.4R	**NSR2525M4**	25	25	32	150	35	14	7,5	-	-	**CM72LP**	**MS2111**	25 IP
N.4R	**NSR3225P4**	32	25	32	170	35	14	7,5	-	-	**CM72LP**	**MS2111**	25 IP
N.4R	**NSR3232P4**	32	32	40	170	35	14	7,5	-	-	**CM72LP**	**MS2111**	25 IP
N.5R	**NSR3232P5**	32	32	40	170	51	16	10,5	-	-	**CM80**	**MS352**	6
	Links												
N.2L	**NSL1010E2**	10	10	14	70	19	9	3,5	-	-	**CM75**	**MS1200**	T10
N.2L	**NSL1212F2**	12	12	16	80	19	9	3,5	-	-	**CM75**	**MS1200**	T10
N.2L	**NSL1616H2**	16	16	20	100	19	9	3,5	-	-	**CM75**	**MS1200**	T10
N.2L	**NSL2020K2**	20	20	25	125	19	9	3,5	-	-	**CM75**	**MS1200**	T10
N.2L	**NSL2525M2**	25	25	32	150	19	9	3,5	-	-	**CM75**	**MS1200**	T10
N.3L	**NSL2020K3**	20	20	32	125	32	13	5,3	-	-	**CM73LP**	**MS2111**	25 IP
N.3L	**NSL2525M3**	25	25	32	150	32	13	5,3	-	-	**CM73LP**	**MS2111**	25 IP
N.3L	**NSL3225P3**	32	25	32	170	32	13	5,3	-	-	**CM73LP**	**MS2111**	25 IP
N.3L	**NSL3232P3**	32	32	40	170	32	13	5,3	-	-	**CM73LP**	**MS2111**	25 IP
N.4L	**NSL2525M4**	25	25	32	150	35	14	7,5	-	-	**CM73LP**	**MS2111**	25 IP
N.4L	**NSL3225P4**	32	25	32	170	35	14	7,5	-	-	**CM73LP**	**MS2111**	25 IP
N.4L	**NSL3232P4**	32	32	40	170	35	14	7,5	-	-	**CM73LP**	**MS2111**	25 IP
N.5L	**NSL3232P5**	32	32	40	170	51	16	10,5	-	-	**CM81**	**MS352**	6

Bestellbeispiel:
NSR1010E2

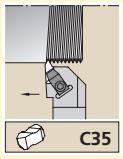
HINWEIS: F über dem scharfen Punkt einer NG-Einstechplatte gemessen.

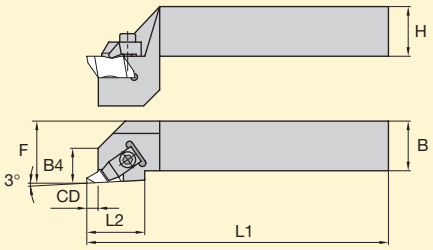
NAS





NS-DH





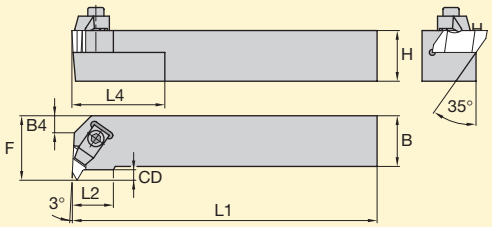
Wende-schneid-platte	Katalog-nummer	H	B	F	L1	L2	B4	CD	B3	L3	Spann-element	Schraube für Spann-element	Torx Torx plus
	Rechts												
N.2R	**NASR1010M2Q**	10	10	10	150	19	9	3,5	2,03	19	**CM182**	**MS1200**	T10
N.2R	**NASR1212M2Q**	12	12	12	150	19	9	3,5	-	-	**CM182**	**MS1200**	T10
N.3R	**NASR1616K3Q**	16	16	16	125	32	12	5,3	-	-	**CM184LP**	**MS2111**	25 IP
	Links												
N.2L	**NASL1010M2Q**	10	10	10	150	19	9	3,5	2,03	19	**CM183**	**MS1200**	T10
N.2L	**NASL1212M2Q**	12	12	12	150	19	9	3,5	-	-	**CM183**	**MS1200**	T10
N.3L	**NASL1616K3Q**	16	16	16	125	32	12	5,3	-	-	**CM185LP**	**MS2111**	25 IP
N.2R	**NSRDH2020K2**	20	20	25	125	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.2R	**NSRDH2525M2**	25	25	32	150	19	9	3,5	-	-	**CM74**	**MS1200**	T10
N.3R	**NSRDH2525M3**	25	25	32	150	32	13	5,3	-	-	**CM72LP**	**MS2111**	25 IP
N.3R	**NSRDH3232P3**	32	32	40	170	32	13	5,3	-	-	**CM72LP**	**MS2111**	25 IP

Bestellbeispiel:
NASR1010M2Q

HINWEIS: F über dem scharfen Punkt einer NG-Einstechplatte gemessen.

NE





Wende-schneid-platte	Katalog-nummer	H	B	F	L1	L2	B4	CD	B3	L4	Spann-element	Schraube für Spann-element	Hex (mm) Torx Torx plus
	Right hand												
N.2L	**NER1616H2**	16	16	20	100	15	-	3,5	-	25,4	**CM75**	**MS1200**	T10
N.2L	**NER2020K2**	20	20	25	125	15	-	3,5	-	25,4	**CM75**	**MS1200**	T10
N.2L	**NER2525M2**	25	25	32	150	15	-	3,5	-	25,4	**CM75**	**MS1200**	T10
N.3L	**NER2525M3**	25	25	32	150	22	-	5,3	-	50,8	**CM73LP**	**MS2111**	25 IP
N.3L	**NER3225P3**	32	25	32	170	22	-	5,3	-	50,8	**CM73LP**	**MS2111**	25 IP
N.4L	**NER2525M4**	25	25	35	150	24	-	7,5	-	50,8	**CM73LP**	**MS2111**	25 IP
N.4L	**NER3225P4**	32	25	35	170	24	-	7,5	-	50,8	**CM73LP**	**MS2111**	25 IP
N.4L	**NER3232P4**	32	32	40	170	24	-	7,5	-	50,8	**CM73LP**	**MS2111**	25 IP
N.5L	**NER3232P5**	32	32	50	170	35	-	10,5	-	50,8	**CM81**	**MS352**	6
	Left hand												
N.2R	**NEL1616H2**	16	16	20	100	15	-	3,5	-	25,4	**CM74**	**MS1200**	T10
N.2R	**NEL2020K2**	20	20	25	125	15	-	3,5	-	25,4	**CM74**	**MS1200**	T10
N.2R	**NEL2525M2**	25	25	32	150	15	-	3,5	-	25,4	**CM74**	**MS1200**	T10
N.3R	**NEL2525M3**	25	25	32	150	22	-	5,3	-	50,8	**CM72LP**	**MS2111**	25 IP
N.3R	**NEL3225P3**	32	25	32	170	22	-	5,3	-	50,8	**CM72LP**	**MS2111**	25 IP
N.4R	**NEL2525M4**	25	25	35	150	24	-	7,5	-	50,8	**CM72LP**	**MS2111**	25 IP
N.4R	**NEL3225P4**	32	25	35	170	24	-	7,5	-	50,8	**CM72LP**	**MS2111**	25 IP
N.4R	**NEL3232P4**	32	32	40	170	24	-	7,5	-	50,8	**CM72LP**	**MS2111**	25 IP
N.5R	**NEL3232P5**	32	32	50	170	35	-	10,5	-	50,8	**CM80**	**MS352**	6

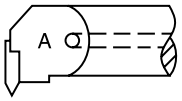
Bestellbeispiel:
NER1616H2

HINWEIS: F über dem scharfen Punkt einer NG-Einstechplatte gemessen.

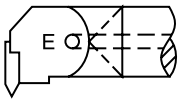
1. Konstruktionsmerkmale der Bohrstange	2. Schaftdurchmesser	3. Bohrstangenlänge	4. Art der Klemmung	5. Form der Schneidplatte	6. Form der Bohrstange	7. Lage der Schneidplatte	8. Ausführung des Werkzeuges	9. Wendeschneidplattengröße
A	25	R	N	N	T	O	R	2

1. Konstruktionsmerkmale der Bohrstange

A = Stahl mit Innenkühlung



E = Hartmetall mit Innenkühlung

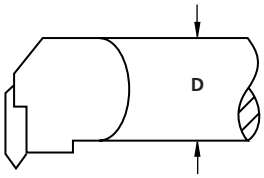


H = Auswechselbarer Bohrkopf mit Innenkühlung

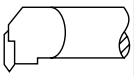


2. Schaftdurchmesser

Metrischer Durchmesser in mm

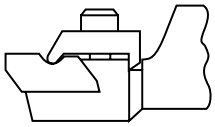


3. Bohrstangenlänge



M = 150 mm
Q = 180 mm
R = 200 mm
S = 250 mm
T = 300 mm
U = 350 mm

4. Art der Klemmung



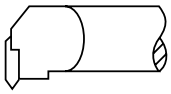
N* – TOP NOTCH

5. Form der Schneidplatte

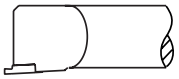
N



6. Form der Bohrstange



Kopfmontage



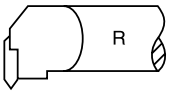
Seitenmontage

7. Lage der Schneidplatte

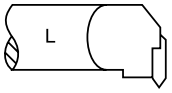
0°



8. Ausführung des Werkzeuges

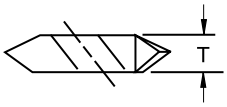


Rechts



Links

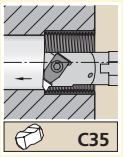
9. Wendeschneidplattengröße



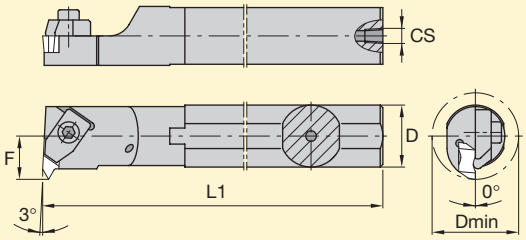
WPL-Größe	T (mm)	T Zoll
1	2,54	.100
2	3,81	.150
3	4,95	.195
4	6,48	.255
5	9,65	.380
6	9,73	.383
8	11,13	.438

*Nur Kennametal-eigener Standard.

A-NNT



Stahlschaft mit Innenkühlung



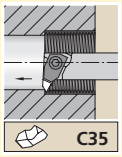
Wende-schneid-platte	Katalog-nummer	Dmin*	D	L1	F	A	CS	Spann-element	Schraube für Spann-element	Hex (mm) Torx plus
	Rechts									
N.2L	**A12MNNTOR2**	18,5	12	150	11	-	1/16-27 NPT	**CM147**	**MS1025**	2,5
N.2L	**A16MNNTOR2**	22	16	150	11	-	1/8-27 NPT	**CM75**	**MS1025**	2,5
N.2L	**A20QNNTOR2**	26	20	180	13	-	1/8-27 NPT	**CM75**	**MS1025**	2,5
N.2L	**A25RNNTOR2**	34	25	200	17	-	1/4-18 NPT	**CM75**	**MS1025**	2,5
N.3L	**A25RNNTOR3**	34	25	200	17	-	1/4-18 NPT	**CM73LP**	**MS2111**	25 IP
N.3L	**A32SNNTOR3**	44	32	250	22	-	1/4-18 NPT	**CM73LP**	**MS2111**	25 IP
N.3L	**A40TNNTOR3**	54	40	300	27	-	1/4-18 NPT	**CM73LP**	**MS2111**	25 IP
N.4L	**A40TNNTOR4**	54	40	300	27	-	1/4-18 NPT	**CM73LP**	**MS2111**	25 IP
N.4L	**A50UNNTOR4**	70	50	350	35	-	1/4-18 NPT	**CM73LP**	**MS2111**	25 IP
	Links									
N.2R	**A12MNNTOL2**	18,5	12	150	11	-	1/16-27 NPT	**CM146**	**MS1025**	2,5
N.2R	**A16MNNTOL2**	22	16	150	11	-	1/8-27 NPT	**CM74**	**MS1025**	2,5
N.2R	**A20QNNTOL2**	26	20	180	13	-	1/8-27 NPT	**CM74**	**MS1025**	2,5
N.2R	**A25RNNTOL2**	34	25	200	17	-	1/4-18 NPT	**CM74**	**MS1025**	2,5
N.3R	**A25RNNTOL3**	34	25	200	17	-	1/4-18 NPT	**CM72LP**	**MS2111**	25 IP
N.3R	**A32SNNTOL3**	44	32	250	22	-	1/4-18 NPT	**CM72LP**	**MS2111**	25 IP
N.3R	**A40TNNTOL3**	54	40	300	27	-	1/4-18 NPT	**CM72LP**	**MS2111**	25 IP
N.4R	**A40TNNTOL4**	54	40	300	27	-	1/4-18 NPT	**CM72LP**	**MS2111**	25 IP
N.4R	**A50UNNTOL4**	70	50	350	35	-	1/4-18 NPT	**CM72LP**	**MS2111**	25 IP

*HINWEIS: Der minimale Bohrungsdurchmesser (Dmin) hängt von Gewindetyp und -steigung ab. Nähere Einzelheiten auf Seite C62.

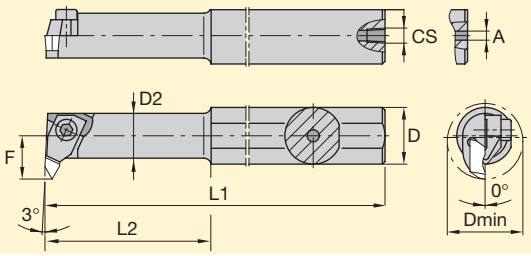
Bestellbeispiel:
A12MNNTOR2

HINWEIS: F über dem scharfen Punkt einer NG-Einstechplatte gemessen.

A-NNT -1

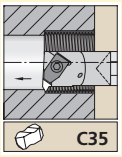


Abgesetzter Stahlschaft
mit Innenkühlung

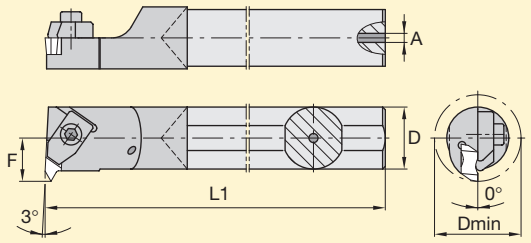


Wende-schneid-platte	Katalog-nummer	Dmin*	D	D2	L1	L2	F	A	CS	Spann-element	Schraube für Spann-element	Hex (mm)
	Rechts											
N.1L	**A10KNNTOR1**	11,5	10	8,7	125	31,75	7	3,2	-	**CM109**	**MS1034**	1,5
N.1L	**A12MNNTOR1**	11,5	12	8,7	150	31,75	7	-	1/16-27 NPT	**CM109**	**MS1034**	1,5

E-NNT



Hartmetallschaft mit
Innenkühlung



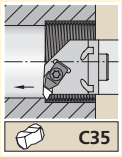
Wende-schneid-platte	Katalog-nummer	Dmin*	D	L1	F	A	CS	Spann-element	Schraube für Spann-element	Torx Torx plus
	Rechts									
N.2L	**E16RNNTOR2**	22	16	200	11	5,5	-	**CM75**	**MS1200**	T10
N.2L	**E20SNNTOR2**	26	20	250	13	7,1	-	**CM75**	**MS1200**	T10
N.3L	**E25TNNTOR3**	34	25	300	17	7,9	-	**CM73LP**	**MS2111**	25 IP
	Links									
N.2R	**E16RNNTOL2**	22	16	200	11	5,5	-	**CM74**	**MS1200**	T10
N.2R	**E20SNNTOL2**	26	20	250	13	7,1	-	**CM74**	**MS1200**	T10
N.3R	**E25TNNTOL3**	34	25	300	17	7,9	-	**CM72LP**	**MS2111**	25 IP

*HINWEIS: Der minimale Bohrungsdurchmesser (Dmin) hängt von Gewindetyp und -steigung ab. Nähere Einzelheiten auf Seite C62.

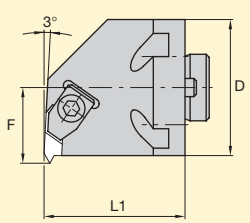
Bestellbeispiel:
A10KNNTOR1

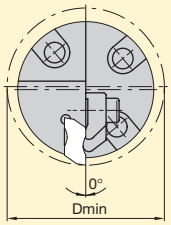
HINWEIS: F über dem scharfen Punkt einer NG-Einstechplatte gemessen.

H-NNT



Mit
Innenkühlung





Wende-schneid-platte	Katalog-nummer	D	D min*	F	L1				Spann-element	Schraube für Spann-element	Torx plus
	Rechts										
N.3L	**H32NNTOR3**	44,0	32	22	41,3	-	-	-	**CM73LP**	**MS2111**	25 IP
N.3L	**H40NNTOR3**	54,0	40	27	41,3	-	-	-	**CM73LP**	**MS2111**	25 IP
N.4L	**H60NNTOR4**	73,2	60	43	41,3	-	-	-	**CM73LP**	**MS2111**	25 IP
	Links										
N.3R	**H32NNTOL3**	44,0	32	22	41,3	-	-	-	**CM72LP**	**MS2111**	25 IP
N.3R	**H40NNTOL3**	54,0	40	27	41,3	-	-	-	**CM72LP**	**MS2111**	25 IP
N.4R	**H60NNTOL4**	73,2	60	43	41,3	-	-	-	**CM72LP**	**MS2111**	25 IP

Hinweis: Für Bohrstangenaufnahmen siehe Seiten A234 - A235.

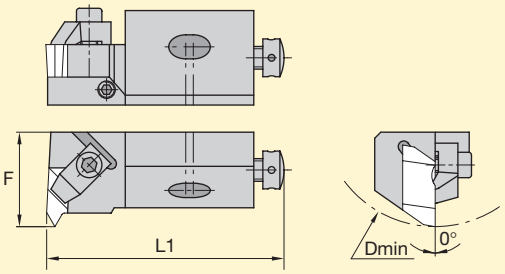
*HINWEIS: Der minimale Bohrungsdurchmesser (Dmin) hängt von Gewindetyp und -steigung ab. Nähere Einzelheiten auf Seite C62.

Bestellbeispiel:
H32NNTOR3

HINWEIS: F über dem scharfen Punkt einer NG-Einstechplatte gemessen.

NE





Wende-schneid-platte	Katalog-nummer	Dmin*	F	LI	Spann-element	Schraube für Spann-element	Hex (Zoll/ mm)	Radiale Verst.-Schraube	Hex (Zoll/ mm)	Axiale Verst.-Schraube	Schaft-klemm-schraube	Hex (Zoll/ mm)
	Rechts											
N.2L	**NER12CA2C**	1.969	.787	2.17	**CM75**	**CS1025**	3/32	**KUAC23**	3/32	**KUAM31**	**S624**	3/16
N.2L	**NER20CA2A**	2.756	.984	2.76	**CM75**	**MS1025**	2.5	**KUAM25**	2.5	**KUAM33**	**MS353**	6
N.2L	**NER20CA2C**	2.756	.984	2.76	**CM75**	**CS1025**	3/32	**KUAC25**	3/32	**KUAM33**	**S634**	1/4
N.3L	**NER25CA3C**	3.937	1.260	3.94	**CM73**	**CS412**	9/64	**KUAC27**	9/64	**KUAM33**	**S364**	5/16
N.4L	**NER25CA4C**	3.937	1.260	3.94	**CM73C**	**CS412**	9/64	**KUAC27**	9/64	**KUAM33**	**S364**	5/16
	Links											
N.2R	**NEL12CA2C**	1.969	.787	2.17	**CM74**	**CS1025**	3/32	**KUAC23**	3/32	**KUAM31**	**S624**	3/16
N.2R	**NEL20CA2C**	2.756	.984	2.76	**CM74**	**CS1025**	3/32	**KUAC25**	3/32	**KUAM33**	**S634**	1/4
N.3R	**NEL25CA3C**	3.937	1.260	3.94	**CM72**	**CS412**	9/64	**KUAC27**	9/64	**KUAM33**	**S364**	5/16

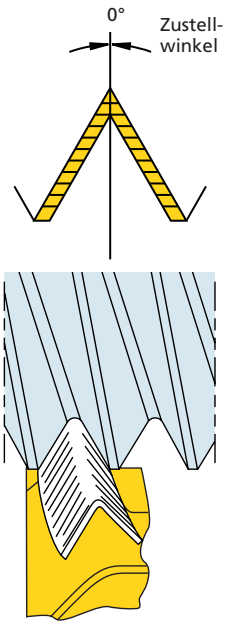
*HINWEIS: Der minimale Bohrungsdurchmesser (Dmin) hängt von Gewindetyp und -steigung ab. Nähere Einzelheiten auf Seite C62.

Bestellbeispiel:
NER12CA2C

HINWEIS: F über dem scharfen Punkt einer NG-Einstechplatte gemessen.

Zustellwinkel am Beispiel eines 60° -Gewindeprofils

radial



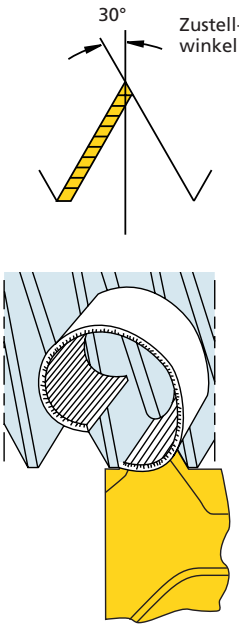
Vorteil –

- Beim Schneiden auf beiden Seiten des Gewindeprofils befindet sich die Schneidkante vollständig im Schnitt, wodurch Ausbrüche durch Spannschlag verhindert werden.

Nachteil –

- Der dachförmige Span ist schwer zu kontrollieren.
- Bei der Zerspanung hochfester Werkstoffe kommt es zu Ausbrüchen an der Werkzeugspitze.
- Die Gratbildung wird verstärkt.
- Der gesamte Gewindezahn ist am Ende des Gewindes im Schnitt, was zum Rattern führen kann.

Flankenzustellung



Vorteil –

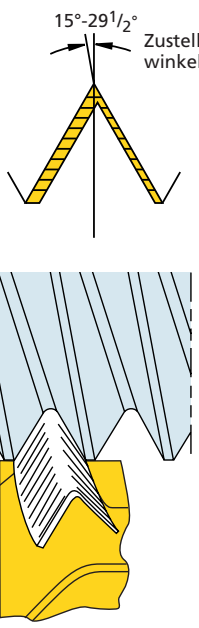
- Beim Schneiden mit Kante des Gewindeschneidwerkzeugs wird der Span aus dem Gewindeformbereich abgeführt. Die nacheilende Schneide des Gewindezahnes hat somit kaum Möglichkeit einen Grat aufzuwerfen.

Nachteil –

- Das Schaben der nacheilenden Schneide des Gewindezahnes kann zu mangelhaften Oberflächengüten, übermäßigem Freiflächenverschleiß und sogar Ausbrüchen an der Schneidkante führen.
- Beim Schneiden weicher, zäher Werkstoffe, wie niedriggekohlten Stählen, Aluminium und nicht rostenden Stählen, kommt es zu aufgerissenen oder schlecht ausgeformten Gewindegängen.

bevorzugte Verfahren

modifizierte Flankenzustellung



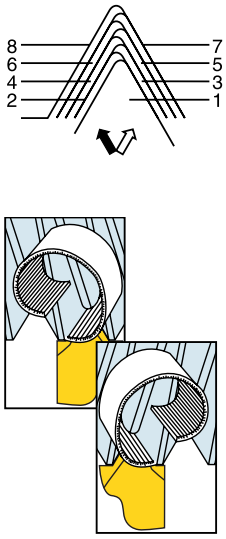
Vorteil –

- Wie bei der 0°-Zustellung werden durch das Schneiden auf beiden Seiten des Gewindeprofils Kantenausbrüche vermieden. Trotz des dachförmigen Spans wird dank der ungleichmäßigen Spandicke ein Spanablauf ähnlich wie bei der Flankenzustellung ermöglicht.
- Dies ist, insbesondere in Verbindung mit einer Spanformer-Wendeschneidplatte, das bevorzugte Verfahren.

Nachteil –

- Ähnliche Nachteile wie bei der 0°-Zustellung, jedoch in etwas geringerem Ausmaß, da die Schnittkräfte besser ausgeglichen werden und der Spanfluss ein deutlich geringeres Problem darstellt.

wechselnde Flankenzustellung



Vorteil –

- Erhöhte Standzeit durch den gleichmäßigen Einsatz beider Schneidkanten.
  HINWEIS: Manche Werkzeugmaschinen erfordern besondere Programmierverfahren für diese Zustellmethode.

Nachteil –

- Mit konventionellen Maschinen schwer durchzuführen.

Bearbeitungsrichtlinien für die Verwendung von Wendeschneidplatten mit Spanformer

Mit der Kennametal-Wendeschneidplattentechnologie erreichen Sie eine gute Spankontrolle bei Top Notch- und LT-Gewindeschneidoperationen. Die speziell entwickelten Geometrien gewährleisten einen effektiven Spanbruch bei den meisten Anwendungen. Die positiven Spanwinkel verringern den Schnittdruck, wodurch die Entstehung schädigender Wärme vermindern wird. Auf diese Weise werden bessere Standzeiten erzielt. Die Oberflächengüte wird nicht mehr durch lange Fließspäne beeinträchtigt. Dem Bediener bleibt das gefährliche Entfernen langer Späne von Werkstück und Spannfutter erspart. Die Gesamtheit dieser Vorteile erhöht die Produktivität Ihrer Gewindeschneidoperationen.

Maschinenprogrammierung

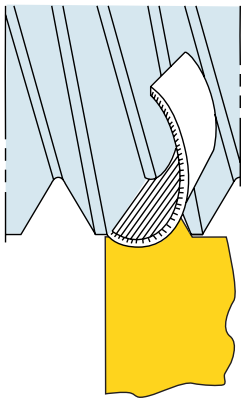
Mit Hilfe moderner CNC-Steuerungen kann der Programmierer den Zustellwinkel, die Anzahl der Schnittdurchgänge und die Schnitttiefe für jeden Durchgang sehr einfach anpassen.

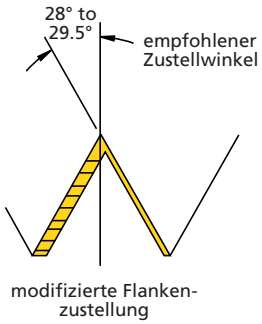
Wendeschneidplatten mit Spankontrolle erreichen bei einem Zustellwinkel zwischen 28° und 29,5° die beste Leistung, wobei jedoch 20° bis 30° ebenfalls akzeptabel sind. Es ist auch wichtig, bei jedem Durchgang eine Schnitttiefe von 0,13 mm (.005 Zoll) einzuhalten. Für eine gleichmäßigere Spankontrolle wird die Einhaltung eines konstanten Werts von 0,13 mm - 0,25 mm (.005 Zoll - .010 Zoll) empfohlen.

Der letzte Durchgang

Manche CNC-Steuerungen erfordern für den letzten Durchgang einen Zustellwinkel von 0°. Bei einem Zustellwinkel von 0° wird beim letzten Durchgang der Span nicht gebrochen. Bei den meisten unlegierten und legierten Stählen wird mit einer Schnitttiefe von 0,13 mm (.005 Zoll) beim letzten Durchgang eine ausreichende Oberflächengüte erzielt. Bei manchen Werkstoffen kann ein abschließender Schlichtdurchgang mit 0,02 mm - 0,08 mm (.001 Zoll - .003 Zoll) zur Verbesserung der Oberflächengüte angewendet werden. Hierdurch kann jedoch die Spankontrolle beeinträchtigt werden.

Zustellwinkel



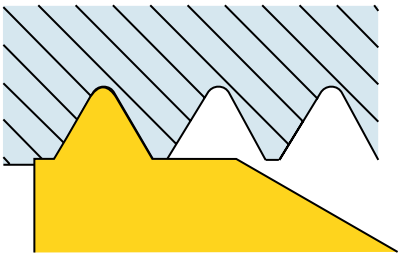


modifizierte Flanken-
zustellung

Damit der Span wirksam und gleichmäßig gebrochen werden kann, ist ein Zustellwinkel zwischen 28° und 29,5° einzuhalten. Wendeschneidplatten mit Spanformer nicht bei Zustellwinkeln unter 20° verwenden.

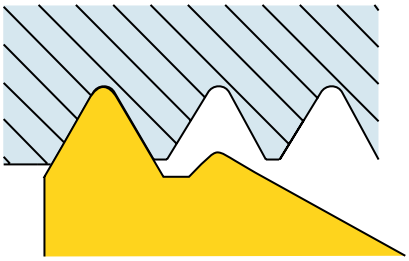
Vollprofil verglichen mit Teilprofil – sowohl für TOP NOTCH als auch LT-Ausführungen gültig.

Vollprofil



- Gewindeabmessungen entsprechen den gängigen Normen.
- Eine hohe Konzentrizität des Gewindes wird erreicht, indem Kern- bzw. Bolzendurchmesser und Gewindetiefe gleichzeitig bearbeitet werden.
- Geringere Bearbeitungskosten, da beim letzten Schnittdurchgang das "volle" Gewindeprofil gefertigt wird und dadurch weitere Bearbeitungsgänge z. B. bzw. ein Entgraten entfallen.

Teilprofil



- Die Wendeschneidplatte kann für verschiedene Steigungen innerhalb eines begrenzten Bereichs verwendet werden.
- Größere Flexibilität für nicht genormte Gewindeformen.

Formeln

	zu bestimmen	gegeben	Formel
Zoll	sfm	D (Zoll) rpm	$sfm = \frac{\pi \times D}{12"} \times rpm$
	rpm	D (Zoll) sfm	$rpm = \frac{sfm \times 12"}{D \times \pi}$
metrisch	m/min	D (mm) rpm	$m/min = \frac{\pi \times D}{1000} \times rpm$
	rpm	D (mm) m/min	$rpm = \frac{m/min \times 1000}{D \times \pi}$

Legende
sfm = Fuß pro Minute
m/min = Meter pro Minute
rpm = Umdrehungen pro Minute
D = Teildurchmesser
π = 3,1416

maximale Schnittgeschwindigkeiten

Die maximale Schnittgeschwindigkeit wird häufig durch die maximale Vorschubgeschwindigkeit der Maschine (ipm oder mm/min) begrenzt. Überprüfen Sie die maximale Geschwindigkeit mit Hilfe der folgenden Formeln.

Zoll Formel: maximale Schnittgeschwindigkeit (sfm) = Teildurchmesser (Zoll) x 3,14 x Gang/Zoll x $\frac{\text{max ipm (Zoll/min.)}}{12"}$

metrisch Formel: maximale Schnittgeschwindigkeit (m/min.) = Teildurchmesser (mm) x 3,14 x (1/Steigung) x $\frac{\text{max mm/min.}}{1000\ mm}$

Richtwerte für die Anzahl der Schnittdurchgänge

TPI – Steigung – Gänge/Zoll	48-32	28-24	20-16	14-12	11.5 -9	8-6	5-4	3-2
metrische Steigung (mm)	0,50-0,75	0,80-1,0	1,25-1,5	1,75-2,0	2,5-3,0	3,5-4,0	4,5-6,0	8,0
Gewindetyp	empfohlene Anzahl an Durchgängen							
gebräuchliche V-Gewindeformen ISO, UN, UNJ, NPT, Whitworth, BSPT, API Drehschulter	4-5	5-6	6-8	8-10	9-12	12-15	14-16	15-25
Acme, Trapez, Rund, API Rund	-	-	5-6	7-8	10-11	12-13	13-15	18-20
Stub Acme, API Buttress	-	-	5	5-6	7-8	8-10	10-12	14-16
Amerikanisches Buttress	-	-	7-8	9-10	11-12	13-15	17-19	22-24

Bei den letzten Durchgängen eine minimale Zustellung von 0,05 mm (.002 Zoll) einhalten, um eine Kaltverfestigung am Werkstück und einen übermäßigen Verschleiß des Gewindeschneidwerkzeugs zu verhindern.
Genauere Empfehlungen sind den technischen Daten oder unserer Website unter www.kennametal.com zu entnehmen.

Zustellwerte mit konstantem Volumen für Gewindeschneidoperationen

Bei den meisten Anwendungen führt der Einsatz von fertig programmierten CNC-Zyklen nur zu bedingt erfolgreichen Ergebnissen. Das ist darauf zurückzuführen, dass diese Programme der empfohlenen minimalen Schnitttiefenvorgabe von 0,05 mm (.002 Zoll) nicht genügen.

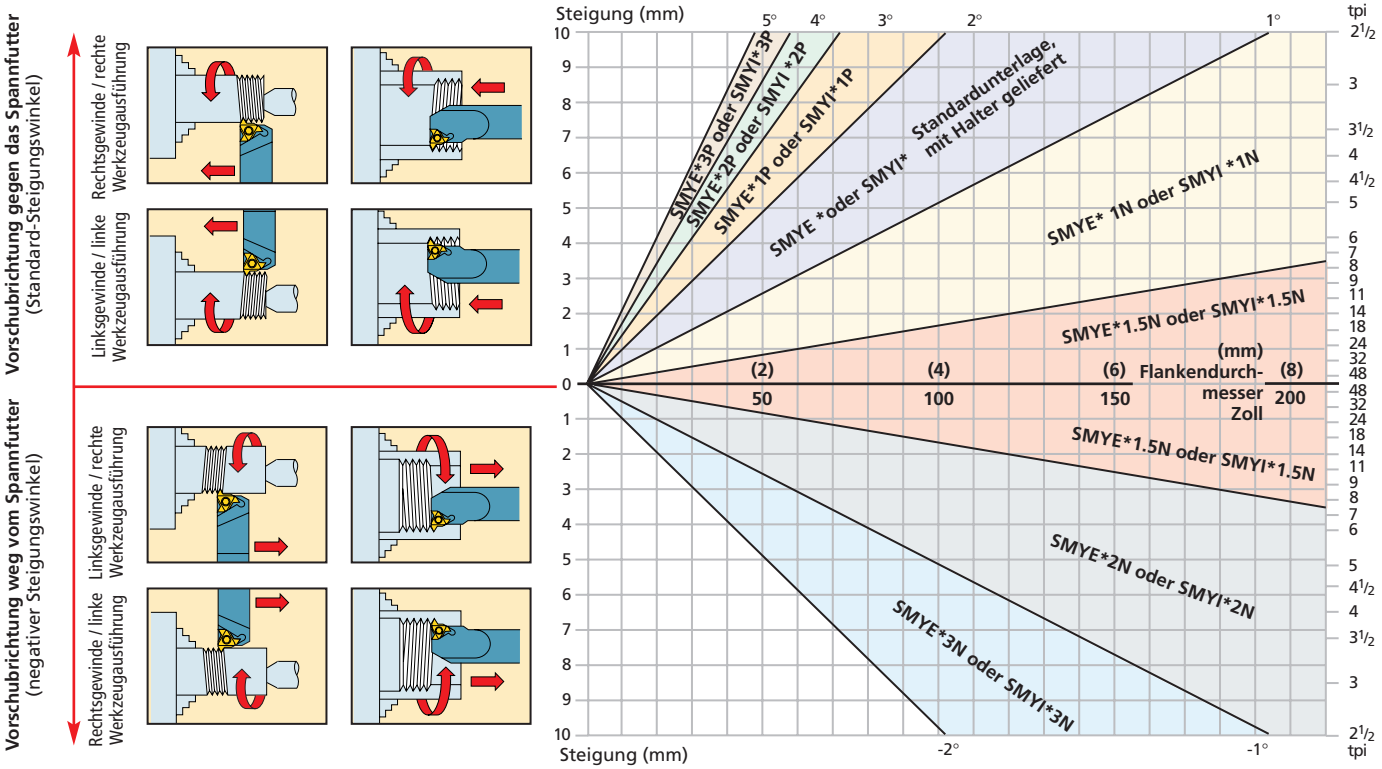
Beispiel:

Formel für Zustellung pro Durchgang: Tiefen-Endwert = Schnitttiefen-Startwert x $\sqrt{\text{A}}$nzahl der Durchgänge
Ein Außengewinde mit einer Steigung von 8 hat z. B. eine Tiefe von 2,00 mm (.0789 Zoll).
Fünfundzwanzig Prozent von 2,00 mm (.0789 Zoll) = ca. 0,5 mm (.0197 Zoll) (Zustellung/Schnitttiefe für den ersten Durchgang).

$0{,}5 \times \sqrt{2} = 0{,}7$
0,7 - 0,5 = 0,2 (Zustellung/Schnitttiefe für den zweiten Durchgang)

$0{,}5 \times \sqrt{3} = 0{,}9$
0,9 - 0,7 = 0,2 (Zustellung/Schnitttiefe für den dritten Durchgang)

$0{,}5 \times \sqrt{4} = 1{,}0$
1,0 - 0,9 = 0,1 (Zustellung/Schnitttiefe für den vierten Durchgang)



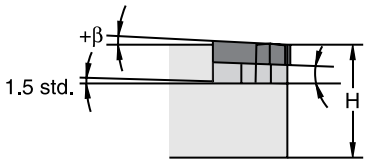
*kennzeichnet Unterlagengröße: 3 = Wendeschneidplattengröße 16 (3/8 Zoll D)
4 = Wendeschneidplattengröße 22 (1/2 Zoll D)

HINWEIS: Bei mehrgängigen Gewinden den Steigungswert anstelle des Teilungswerts verwenden.
Bei eingängigem Gewinde ist der Steigungswert gleich dem Teilungswert.

Gewindesteigungen

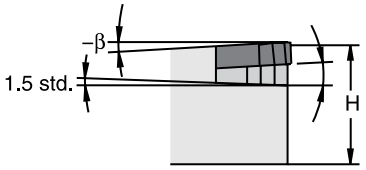
Standard-Steigungswinkel:

Beim Schneiden von Rechtsgewinden mit Werkzeugen in rechter Ausführung bzw. von Linksgewinden mit Werkzeugen in linker Ausführung.



Negativer Steigungswinkel:

Beim Schneiden von Rechtsgewinden mit Werkzeugen in linker Ausführung bzw. von Linksgewinden mit Werkzeugen in rechter Ausführung.



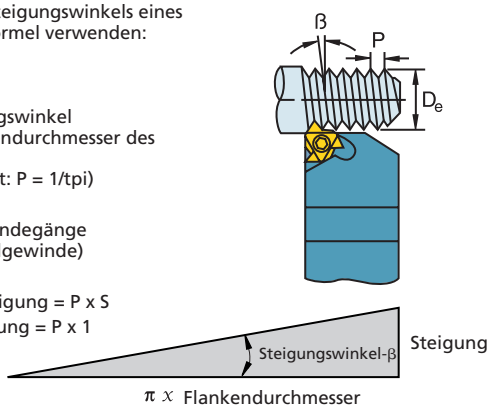
Abmessung "H" ist für jede Unterlagen-Wendeschneid-platten-Verbindung konstant. Alle Klemmhalter werden mit einem Steigungswinkel von 1,5° geliefert.

Unterlagenauswahl – LT-System
Darstellung der Gewindesteigungswinkel

Zur Berechnung des Steigungswinkels eines Gewindes folgende Formel verwenden:

$$\beta = \text{Arctan} \frac{P \times S}{\pi D_e}$$

ß = Gewindesteigungswinkel
D_e = effektiver Flankendurchmesser des Gewindes
(für Zollmaße gilt: P = 1/tpi)
tpi = Gang/Zoll
S = Anzahl der Gewindegänge
(= 1 für Standardgewinde)
P = Teilung
mehrgängig, Steigung = P x S
eingängig, Steigung = P x 1



Satz mit abgeschrägten Unterlagen

Wendeschneid-plattengröße	Unterlagen-größe (D)	Bestellcode	enthält abgeschrägte Unterlagen
16	3/8"	ABY3	SM-YE4-2P,1P,1N,2N,3N SM-YI4-2P,1P,1N,2N,3N
22	1/2"	ABY4	SM-YE4-2P,1P,1N,2N,3N SM-YI4-2P,1P,1N,2N,3N

Da gelegentlich andere Unterlagen als die im Lieferumfang unserer Standard-Klemmhalter enthaltenen benötigt werden, wird die Ausstattung mit Unterlagensätzen dringend empfohlen.

LT-Unterlagenauswahltabelle – Zoll

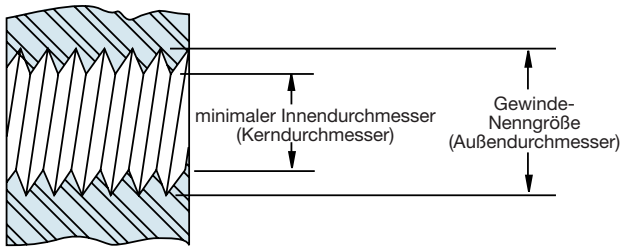
Wendeschneidplattengröße	Klemmhalter		Unterlagen-Bestellcode							
	Außengewinde	Innengewinde				Standard				
LT-16 (3/8")	Rechts	Links	SM-YE3-3P	SM-YE3-2P	SM-YE3-1P	SM-YE3	SM-YE3-1N	SM-YE3-1.5N	SM-YE3-2N	SM-YE3-3N
	Links	Rechts	SM-YI3-3P	SM-YI3-2P	SM-YI3-1P	SM-YI3	SM-YI3-1N	SM-YE3-1.5N	SM-YI3-2N	SM-YI3-3N
LT-22 (1/2")	Rechts	Links	SM-YE4-3P	SM-YE4-2P	SM-YE4-1P	SM-YE4	SM-YE4-1N	SM-YE4-1.5N	SM-YE4-2N	SM-YE4-3N
	Links	Rechts	SM-YI4-3P	SM-YI4-2P	SM-YI4-1P	SM-YI4	SM-YI4-1N	SM-YI4-1.5N	SM-YI4-2N	SM-YI4-3N
Gang/Zoll		Steigung (mm)	Flankendurchmesser (Zoll)							
72						.12 - .31	.32 - .84	>.84	.84 - .32	.31 - .12
		0,35				.12 - .30	.31 - .84	>.84	.84 - .31	.30 - .12
64						.14 - .35	.36 - .95	>.95	.95 - .36	.35 - .14
		0,40				.14 - .35	.36 - .96	>.96	.96 - .36	.35 - .14
56		0,45				.16 - .40	.41 - 1.09	>1.09	1.09 - .41	.40 - .16
		0,50			.11 - .16	.17 - .44	.45 - 1.20	>1.20	1.20 - .45	.44 - .17
48					.12 - .17	.18 - .46	.47 - 1.27	>1.27	1.27 - .47	.46 - .18
44					.13 - .19	.20 - .51	.52 - 1.38	>1.38	1.38 - .52	.51 - .20
		0,60		.10 - .12	.13 - .20	.21 - .53	.54 - 1.44	>1.44	1.44 - .54	.53 - .21
40				.11 - .13	.14 - .21	.22 - .56	.57 - 1.52	>1.52	1.52 - .57	.56 - .22
		0,70		.12 - .15	.16 - .23	.24 - .62	.63 - 1.68	>1.68	1.68 - .63	.62 - .24
36				.12 - .15	.16 - .23	.24 - .62	.63 - 1.69	>1.69	1.69 - .63	.62 - .24
		0,75	.11 - .12	.13 - .16	.17 - .25	.26 - .66	.67 - 1.80	>1.80	1.80 - .67	.66 - .26
32			.12 - .13	.14 - .17	.18 - .26	.27 - .70	.71 - 1.90	>1.90	1.90 - .71	.70 - .27
		0,80	.12 - .13	.14 - .17	.18 - .26	.27 - .71	.72 - 1.91	>1.91	1.91 - .72	.71 - .27
28			.14 - .14	.15 - .19	.20 - .30	.31 - .80	.81 - 2.17	>2.17	2.17 - .81	.80 - .31
27			.14 - .15	.16 - .20	.21 - .31	.32 - .83	.84 - 2.25	>2.25	2.25 - .84	.83 - .32
		1,00	.15 - .16	.17 - .21	.22 - .33	.34 - .89	.90 - 2.39	>2.39	2.39 - .90	.89 - .34
24			.16 - .17	.18 - .23	.24 - .35	.36 - .94	.95 - 2.53	>2.53	2.53 - .95	.94 - .36
		1,25	.19 - .20	.21 - .27	.28 - .42	.43 - 1.11	1.12 - 2.99	>2.99	2.99 - 1.12	1.11 - .43
20			.19 - .21	.22 - .27	.28 - .42	.43 - 1.13	1.14 - 3.04	>3.04	3.04 - 1.14	1.13 - .43
18			.21 - .23	.24 - .31	.32 - .47	.48 - 1.26	1.27 - 3.38	>3.38	3.38 - 1.27	1.26 - .48
		1,50	.22 - .25	.26 - .33	.34 - .50	.51 - 1.34	1.35 - 3.59	>3.59	3.59 - 1.35	1.34 - .51
16			.24 - .26	.27 - .35	.36 - .53	.54 - 1.41	1.42 - 3.80	>3.80	3.80 - 1.42	1.41 - .54
		1,75	.26 - .29	.30 - .38	.39 - .59	.60 - 1.56	1.57 - 4.19	>4.19	4.19 - 1.57	1.56 - .60
14			.27 - .30	.31 - .40	.41 - .61	.62 - 1.62	1.63 - 4.34	>4.34	4.34 - 1.63	1.62 - .62
13			.29 - .32	.33 - .43	.44 - .66	.67 - 1.74	1.75 - 4.68	>4.68	4.68 - 1.75	1.74 - .67
		2,00	.30 - .33	.34 - .44	.45 - .67	.68 - 1.78	1.79 - 4.79	>4.79	4.79 - 1.79	1.78 - .68
12			.32 - .35	.36 - .46	.47 - .71	.72 - 1.89	1.90 - 5.07	>5.07	5.07 - 1.90	1.89 - .72
11.5			.33 - .37	.38 - .49	.50 - .74	.75 - 1.97	1.98 - 5.29	>5.29	5.29 - 1.98	1.97 - .75
11			.34 - .38	.39 - .51	.52 - .78	.79 - 2.06	2.07 - 5.53	>5.53	5.53 - 2.07	2.06 - .79
		2,50	.37 - .42	.43 - .55	.56 - .84	.85 - 2.23	2.24 - 5.98	>5.98	5.98 - 2.24	2.23 - .85
10			.38 - .42	.43 - .56	.57 - .86	.87 - 2.27	2.28 - 6.08	>6.08	6.08 - 2.28	2.27 - .87
9			.42 - .47	.48 - .62	.63 - .95	.96 - 2.52	2.53 - 6.75	>6.75	6.75 - 2.53	2.52 - .96
		3,00	.45 - .50	.51 - .66	.67 - 1.02	1.03 - 2.68	2.69 - 7.18	>7.18	7.18 - 2.69	2.68 - 1.03
8			.47 - .53	.54 - .70	.71 - 1.08	1.09 - 2.84	2.85 - 7.60	>7.60	7.60 - 2.85	2.84 - 1.09
		3,50	.52 - .59	.60 - .77	.78 - 1.19	1.20 - 3.13	3.14 - 8.38	>8.38	8.38 - 3.14	3.13 - 1.20
7			.54 - .61	.62 - .80	.81 - 1.23	1.24 - 3.25	3.26 - 8.68	>8.68	8.68 - 3.26	3.25 - 1.24
		4,00	.60 - .67	.68 - .89	.90 - 1.36	1.37 - 3.58	3.59 - 9.57	>9.57	9.57 - 3.59	3.58 - 1.37
6			.63 - .71	.72 - .94	.95 - 1.44	1.45 - 3.79	3.80 - 10.13	>10.13	10.13 - 3.80	3.79 - 1.45
		5,00	.75 - .84	.85 - 1.11	1.12 - 1.70	1.71 - 4.48	4.49 - 11.97	>11.97	11.97 - 4.49	4.48 - 1.71
5			.76 - .86	.87 - 1.13	1.14 - 1.73	1.74 - 4.55	4.56 - 12.16	>12.16	12.16 - 4.56	4.55 - 1.74
4.5			.84 - .95	.96 - 1.26	1.27 - 1.92	1.93 - 5.06	5.07 - 13.51	>13.51	13.51 - 5.07	5.06 - 1.93
		6,00	.90 - 1.01	1.02 - 1.33	1.34 - 2.04	2.05 - 5.37	5.38 - 14.36	>14.36	14.36 - 5.38	5.37 - 2.05
4			.95 - 1.07	1.08 - 1.41	1.42 - 2.16	2.17 - 5.69	5.70 - 15.20	>15.20	15.20 - 5.70	5.69 - 2.17
Neigungswinkel			4.5	3.5	2.5	1.5	.5	0	-.5	-1.5
Vorschubrichtung			Standard-Steigungswinkel (Vorschub gegen das Spannfutter)						umgekehrter Steigungswinkel (Vorschub weg vom Spannfutter)	

1. Gang/Zoll oder Steigung aus den linken Spalten auswählen.
2. Der Zeile bis zum vorgegebenen Flankdurchmesser und der korrekten Vorschubrichtung folgen.
3. Die erforderliche Unterlage ist dem Anfang der Spalte zu entnehmen.

Wende-schneid-plattengröße	Klemmhalter		Unterlagen-Bestellcode (metrisch, mm)							
	außen	innen				Standard				
LT-16 (3/8")	Rechts	Links	SM-YE3-3P	SM-YE3-2P	SM-YE3-1P	SM-YE3	SM-YE3-1N	SM-YE3-1.5N	SM-YE3-2N	SM-YE3-3N
	Links	Rechts	SM-YI3-3P	SM-YI3-2P	SM-YI3-1P	SM-YI3	SM-YI3-1N	SM-YI3-1.5N	SM-YI3-2N	SM-YI3-3N
LT-22 (1/2")	Rechts	Links	SM-YE4-3P	SM-YE4-2P	SM-YE4-1P	SM-YE4	SM-YE4-1N	SM-YE4-1.5N	SM-YE4-2N	SM-YE4-3N
	Links	Rechts	SM-YI4-3P	SM-YI4-2P	SM-YI4-1P	SM-YI4	SM-YI4-1N	SM-YI4-1.5N	SM-YI4-2N	SM-YI4-3N
Gang/Zoll		Steigung (mm)	Flankendurchmesser (mm)							
72						3,1 - 8	8 - 21,4	> 21,4	21,4 - 8	8 - 3,1
		0,35				3 - 8	8 - 21,3	> 21,3	21,3 - 8	8 - 3
64						3,4 - 9	9 - 24,1	> 24,1	24,1 - 9	9 - 3,4
		0,40				3,5 - 9,1	9,1 - 24,3	> 24,3	24,3 - 9,1	9,1 - 3,5
56		0,45				3,9 - 10,3	10,3 - 27,6	> 27,6	27,6 - 10,3	10,3 - 3,9
		0,50			2,8 - 4,3	4,3 - 11,4	11,4 - 30,4	> 30,4	30,4 - 11,4	11,4 - 4,3
48					3 - 4,6	4,6 - 12,1	12,1 - 32,2	> 32,2	32,2 - 12,1	12,1 - 4,6
44					3,3 - 5	5 - 13,2	13,2 - 35,1	> 35,1	35,1 - 13,2	13,2 - 5
		0,60		2,6 - 3,4	3,4 - 5,2	5,2 - 13,7	13,7 - 36,5	> 36,5	36,5 - 13,7	13,7 - 5,2
40				2,8 - 3,6	3,6 - 5,5	5,5 - 14,5	14,5 - 38,6	> 38,6	38,6 - 14,5	14,5 - 5,5
		0,70		3 - 4	4 - 6,1	6,1 - 16	16 - 42,6	> 42,6	42,6 - 16	16 - 6,1
36				3,1 - 4	4 - 6,1	6,1 - 16,1	16,1 - 42,9	> 42,9	42,9 - 16,1	16,1 - 6,1
		0,75	2,8 - 3,2	3,3 - 4,3	4,3 - 6,5	6,5 - 17,1	17,1 - 45,6	> 45,6	45,6 - 17,1	17,1 - 6,5
32			3 - 3,4	3,4 - 4,5	4,5 - 6,9	6,9 - 18,1	18,1 - 48,3	> 48,3	48,3 - 18,1	18,1 - 6,9
		0,80	3 - 3,5	3,5 - 4,6	4,6 - 6,9	6,9 - 18,2	18,2 - 48,6	> 48,6	48,6 - 18,2	18,2 - 6,9
28			3,4 - 3,9	3,9 - 5,2	5,2 - 7,9	7,9 - 20,7	20,7 - 55,1	> 55,1	55,1 - 20,7	20,7 - 7,9
27			3,6 - 4,1	4,1 - 5,4	5,4 - 8,2	8,2 - 21,4	21,4 - 57,2	> 57,2	57,2 - 21,4	21,4 - 8,2
		1,00	3,8 - 4,3	4,3 - 5,7	5,7 - 8,7	8,7 - 22,8	22,8 - 60,8	> 60,8	60,8 - 22,8	22,8 - 8,7
24			4 - 4,6	4,6 - 6	6 - 9,2	9,2 - 24,1	24,1 - 64,3	> 64,3	64,3 - 24,1	24,1 - 9,2
		1,25	4,7 - 5,4	5,4 - 7,1	7,1 - 10,8	10,9 - 28,5	28,5 - 76	> 76	76 - 28,5	28,5 - 10,8
20			4,8 - 5,5	5,5 - 7,2	7,2 - 11	11 - 28,9	29 - 77,2	> 77,2	77,2 - 28,9	29 - 11
18			5,3 - 6,1	6,1 - 8	8 - 12,2	12,2 - 32,2	32,2 - 85,8	> 85,8	85,8 - 32,2	32,2- 12,2
		1,50	5,7 - 6,5	6,5 - 8,5	8,5 - 13	13 - 34,2	34.2 - 91.2	> 91,2	91,2 - 34,2	34,2 - 13
16			6 - 6,9	6,9 - 9	9 - 13,8	13,8 - 36,2	36,2 - 96,5	> 96,5	96,5 - 36,2	36,2 - 13,8
		1,75	6,6 - 7,6	7,6 - 10	10 - 15,2	15,2 - 39,9	39,9 - 106,4	> 106,4	106,4 - 39,9	39,9 - 15,2
14			6,9 - 7,9	7,9 - 10,3	10,3 - 15,7	15,7 - 41,4	41,4 - 110,3	> 110,3	110,3 - 41,4	41,4 - 15,7
13			7,4 - 8,5	8,5 - 11,1	11,1 - 17	17 - 44,5	44,5 - 118,8	> 118,8	118,8 - 44,5	44,5 - 17
		2,00	7,6 - 8,7	8,7 - 11,4	11,4 - 17,4	17,4 - 45,6	45,6 - 121,6	> 121,6	121,6 - 45,6	45,6 - 17,4
12			8 - 9,2	9,2 - 12	12,1 - 18,4	18,4 - 48,2	48,3 - 128,7	> 128,7	128,7 - 48,2	48,3 - 18,4
11.5			8,4 - 9,6	9,6 - 12,6	12,6 - 19,2	19,2 - 50,3	50,3 - 134,3	> 134,3	134,3 - 50,3	50,3 - 19,2
11			8,8 - 10	10 - 13,1	13,1 - 20	20 - 52,6	52,6 - 140,4	> 140,4	140,4 - 52,6	52,6 - 20
		2,50	9,5 - 10,8	10,8 - 14,2	14,2 - 21,7	21,7 - 57	57 - 152	> 152	152 - 57	57 - 21,7
10			9,6 - 11	11 - 14,5	14,5 - 22	22 - 57,9	57,9 - 154,4	> 154,4	154,4 - 57,9	57,9 - 22
9			10,7 - 12,2	12,2 - 16,1	16,1 - 24,5	24,5 - 64,3	64,3 - 171,6	> 171,6	171,6 - 64,3	64,3 - 24,5
		3,00	11,4 - 13	13 - 17,1	17,1 - 26	26 - 68,4	68,4 - 182,4	> 182,4	182,4 - 68,4	68,4 - 26
8			12 - 13,8	13,8 - 18,1	18,1 - 27,6	27,6 - 72,4	72,4 - 193	> 193	193 - 72,4	72,4 - 27,6
		3,50	13,3 - 15,2	15,2 - 19,9	19,9 - 30,4	30,4 - 79,8	79,8 - 212,8	> 212,8	212,8 - 79,8	79,8 - 30,4
7			13,8 - 15,7	15,7 - 20,7	20,7 - 31,5	31,5 - 82,7	82,7 - 220,6	> 220,6	220,6 - 82,7	82,7 - 31,5
		4,00	15,2 - 17,3	17,3 - 22,8	22,8 - 34,7	34,7 - 91,2	91,2 - 243,2	> 243,2	243,2 - 91,2	91,2 - 34,7
6			16 - 18,3	18,3 - 24,1	24,1 - 36,7	36,7 - 96,5	96,5 - 257,4	> 257,4	257,4 - 96,5	96,5 - 36,7
		5,00	19 - 21,7	21,7 - 28,5	28,5 - 43,4	43,4 - 114	114 - 304	> 304	304 - 114	114 - 43,4
5			19,3 - 22	22 - 28,9	28,9 - 44,1	44,1 - 115,8	115,8 - 308,8	> 308,8	308,8 - 115,8	115,8 - 44,1
4.5			21,4 - 24,5	24,5 - 32,1	32,1 - 49	49 - 128,7	128,7 - 343,1	> 343,1	343,1 - 128,7	128,7 - 49
		6,00	22,7 - 26	26 - 34,2	34,2 - 52,1	52,1 - 136,8	136,8 - 364,8	> 364,8	364,8 - 136,8	136,8 - 52,1
4			24,1 - 27,5	27,5 - 36,2	36,2 - 55,1	55,1 - 144,8	144,8 - 386	> 386	386 - 144,8	144,8 - 55,1
Neigungswinkel			4.5	3.5	2.5	1.5	.5	0	-.5	-1.5
Vorschubrichtung			Standard-Steigungswinkel (Vorschub gegen das Spannfutter)						umgekehrter Steigungswinkel (Vorschub weg vom Spannfutter)	

1. Gang/Zoll oder Steigung aus den linken Spalten auswählen.
2. Der Zeile bis zum vorgegebenen Flankdurchmesser und der korrekten Vorschubrichtung folgen.
3. Die erforderliche Unterlage ist dem Anfang der Spalte zu entnehmen.

Die folgenden Tabellen geben die größte Gewindesteigung an, die bei Innenanwendungen mit TOP NOTCH Gewindeschneidplatten für 60°-V-Gewinde und Acme-Gewinde angewendet werden kann. Für Buttress-Gewinde siehe Seiten C65-C66.



60°-V-Gewindegrenzwerte (Zollgrößen)

Grenzwerte für Innengewinde NT-1, NT-2 V-Gewindeschneidplatten

Gang/Zoll	Gewinde-Nenngröße		minimaler Innendurchmesser (Zoll)	
	NT-2	NT-1	NT-2	NT-1
6	1 7/8	–	1.695	–
7	1 3/4	–	1.595	–
8	1 5/8	–	1.490	–
9	1 9/16	–	1.442	–
10	1 1/2	15/16	1.392	.830
11	1 7/16	15/16	1.339	.830
11 1/2	1 3/8	15/16	1.281	.830
12	1 3/8	9/16	1.285	.472
13	1 5/16	9/16	1.229	.472
14	1 1/4	9/16	1.173	.472
16	1 1/4	9/16	1.182	.472
18	1 1/8	9/16	1.065	.472
20	1 1/8	1/2	1.071	.440
24*	1 1/16	1/2	1.017	.440

*Das Schneiden von vierundzwanzig Gängen pro Zoll und feiner mit einer NT-2-Wendeschneidplatte ist möglich, wenn der Innendurchmesser mindestens 1.000 Zoll (mind. .440 Zoll mit NT-1) beträgt.

Grenzwerte für Innengewinde NT-3 und 4 V-Gewindeschneidplatten

Gang/Zoll	Gewinde-Nenngröße	minimaler Innendurchmesser (Zoll)
4**	3	2.729
4 1/2**	2 7/8	2.634
5	2 3/4	2.534
6	2 1/2	2.320
7	2 1/4	2.095
8	2	1.865
9	1 15/16	1.817
10	1 7/8	1.767
11	1 13/16	1.714
11 1/2	1 3/4	1.656
12	1 3/4	1.660
13	1 5/8	1.542
14	1 9/16	1.485
16*	1 7/16	1.370

*Das Schneiden von sechzehn Gängen pro Zoll und feiner ist möglich, wenn der Innendurchmesser mindestens 1.370 Zoll beträgt.
** Nur NT-4-Wendeschneidplatte.

60°-V-Gewindegrenzwerte (metrisch)

Grenzwerte für Innengewinde NT-1 und NT-2 60°-V-Gewinde

Gewindesteigung (mm)	Gewinde-Nenngröße		minimaler Innengewindedurchmesser (mm)	
	NT-2	NT-1	NT-2	NT-1
4,00	M48 x 4.00	-	43,67	-
3,00	M42 x 3.00	-	38,75	-
2,50	M39 x 2.50	M24 x 2,50	36,29	21,29
2,00	M33 x 2.00	M15 x 2,00	30,84	12,84
1,75	M32 x 1.75	M15 x 1,75	30,11	13,11
1,50	M32 x 1.50	M15 x 1,50	30,38	13,38
1,25	M29 x 1.29	M14 x 1,25	27,65	12,65
1,00*	M27 x 1.00	M14 x 1,00	25,92	12,92
0,75	M22 x 0.75	M12 x 0,75	21,19	11,19

*Das Schneiden einer Gewindesteigung von höchstens 1 mm ist mit einer NT-2-Wendeschneidplatte möglich, wenn der Kerndurchmesser mindestens 25 mm beträgt (mindestens 11 mm mit NT-1).

Grenzwerte für Innengewinde NT-3 und NT-4 60°-V-Gewinde

Gewindesteigung (mm)	Gewinde-Nenngröße	minimaler Innengewindedurchmesser (mm)
6,00**	M76 x 6.00	69,50
5,50**	M73 x 5.50	67,05
5,00	M70 x 5.00	64,59
4,00	M64 x 4.00	59,67
3,00	M52 x 3.00	48,75
2,50	M48 x 2.50	45,29
2,00	M42 x 2.00	39,84
1,75	M40 x 1.75	38,11
1,50*	M38 x 1.50	36,38

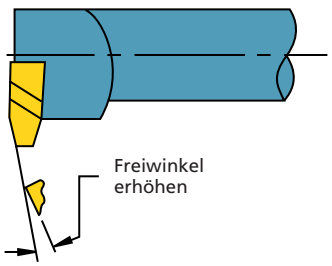
*Das Schneiden einer Gewindesteigung von max. 1,5 mm ist möglich, wenn der Kerndurchmesser mind. 35 mm beträgt.
**Nur NT-4-Wendeschneidplatte.

Acme-Gewindegrenzwerte

Grenzwerte für Innengewinde NA und NAS-2, 3, 4 und 6 Acme-Gewindeschneidplatten

Gang/Zoll	Gewinde-Nenngröße	minimaler Innendurchmesser	
		Zoll	mm
2**	5	4.500	114,3
2 1/2**	4 1/2	4.100	104,1
3**	4	3.665	93,1
4	3 1/2	3.250	82,6
5	3	2.800	71,1
6	2 1/2	2.333	59,3
8	2 1/4	2.125	54,0
10	2	1.900	48,3
12	1 3/4	1.667	42,4
14	1 5/8	1.554	39,5
16*	1 1/2	1.438	36,5

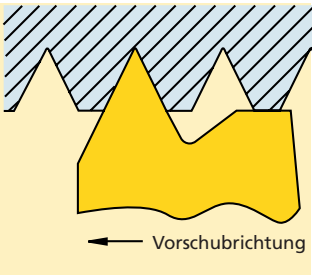
*Das Schneiden von sechzehn Gängen pro Zoll und feiner ist möglich, wenn der Innendurchmesser mindestens 36,5 mm (1.438 Zoll) beträgt.
**Nur NA-6-Wendeschneidplatte.



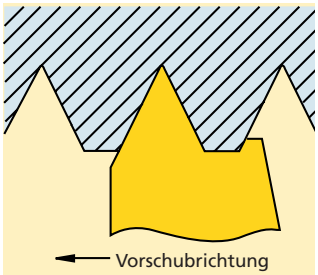
Zum Schneiden gröberer und mehrgängiger Gewinde kann ein zusätzlicher, zweiter Freiwinkel an der voreilenden Kante der Wendeschneidplatte geschliffen werden.

Es können modifizierte Standardwendeschneidplatten für das Schneiden von Gewinden außerhalb der hier aufgeführten Grenzwerte angeboten werden.

Anwendungsdaten für 60°-V-Vollprofilgewindeschneidplatten



NTC-Vollprofilschneidplatte für 12 Gänge pro Zoll und feiner (P ≤ 2,0 mm)



NTC-Vollprofilschneidplatte für 11 Gänge pro Zoll und gröber (P ≥ 3,0 mm)

HINWEIS: Bei NTC-Wendeschneidplatten erfolgt die Kontrolle der Gewindetiefe automatisch. Daher müssen beim Einrichten von Gewindeschneidoperationen mit NTC-Wendeschneidplatten nur der Außen- und Innendurchmesser an der Gewindespitze überprüft werden.

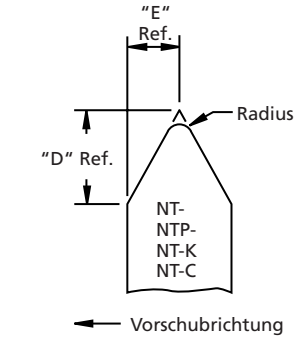
Hinweis zu „J"-Gewinden

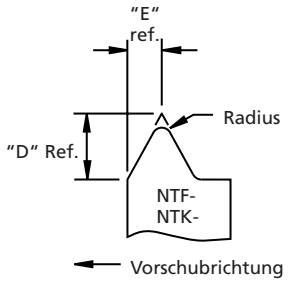
Die Gewindeform mit kontrolliertem Grundradius (MIL-S-8879A) ist nur für das Außengewinde definiert. Um das entsprechende Innengewinde herzustellen, eine Wendeschneidplatte zum Schneiden eines einheitlichen 2B-Gewindes wählen und anschließend den Innendurchmesser ausdrehen. Siehe MIL-S-8879A für die korrekten Durchmesserwerte für „J"-Gewinde.

Vorgaben zum kontrollierten Grundradius für UNJ-Gewinde

Katalognummer der Wendeschneidplatte	Wendeplatten Schneideneckenradius (Zoll)	Gewinderadius gemäß MIL-S-8879A (Zoll)
NJ-3020R/L8 NJP-3020R/L8	.0188/.0198	.0188/.0226
NJ-3014R/L12 NJP-3014R/L12	.0125/.0135	.0125/.0150
NJ-3010R/L16 NJP-3010R/L16	.0094/.0104	.0094/.0113
NJF-3012R/L14 NJK-3012R/L14	.0107/.0117	.0107/.0129
NJF-3010R/L16 NJK-3010R/L16	.0094/.0104	.0094/.0113
NJF-3009R/L18 NJK-3009R/L18	.0083/.0093	.0083/.0100
NJF-3008R/L20 NJK-3008R/L20	.0075/.0085	.0075/.0090
NJF-3007R/L24 NJK-3007R/L24	.0063/.0073	.0063/.0075
NJF-3006R/L28 NJK-3006R/L28	.0054/.0064	.0054/.0064
NJF-3005R/L32 NJK-3005R/L32	.0047/.0056	.0047/.0056

Anwendungsdaten für 60°-V-Gewindeschneidplatten





Wendeschneidplatten-beschreibung	Wendeschneid-platte	"D" Ref.** (Zoll)	"E" Ref.** (Zoll)	empfohlene Gangzahl pro Zoll* (TPI)		empfohlene metrische Gewindesteigung (mm)	
				außen	innen	außen	innen
	NT-1	.075	.044	–	24 bis 12 Gänge/Zoll	–	1,00 bis 2,00
	NT-2	.113	.075	36 bis 8 Gänge/Zoll	20 bis 7 Gänge/Zoll	0,70 bis 3,00	1,25 bis 3,50
	NT-2-K	.113	.075	36 bis 8 Gänge/Zoll	20 bis 7 Gänge/Zoll	0,70 bis 3,00	1,25 bis 3,50
	NTF-2	.062	.040	44 bis 14 Gänge/Zoll	24 bis 12 Gänge/Zoll	0,60 bis 1,75	1,00 bis 2,00
	NTK-2	.062	.040	44 bis 14 Gänge/Zoll	24 bis 12 Gänge/Zoll	0,60 bis 1,75	1,00 bis 2,00
	NTP-2	.113	.075	36 bis 8 Gänge/Zoll	20 bis 7 Gänge/Zoll	0,70 bis 3,00	1,25 bis 3,50
	NT-3	.148	.097	20 bis 6 Gänge/Zoll	12 bis 5 Gänge/Zoll	1,25 bis 4,00	2,00 bis 5,00
	NT-3-K	.148	.097	20 bis 6 Gänge/Zoll	12 bis 5 Gänge/Zoll	1,25 bis 4,00	2,00 bis 5,00
	NT-3-C	.148	.097	11 bis 6 Gänge/Zoll	(nur) 6 Gänge/Zoll	2,50 bis 4,00	nur 4,00
	NT-3-CK	.148	.097	11 bis 6 Gänge/Zoll	(nur) 6 Gänge/Zoll	2,50 bis 4,00	nur 4,00
	NTF-3	.083	.054	44 bis 10 Gänge/Zoll	24 bis 9 Gänge/Zoll	0,60 bis 2,50	1,00 bis 2,50
	NTK-3	.083	.054	44 bis 10 Gänge/Zoll	24 bis 9 Gänge/Zoll	0,60 bis 2,50	1,00 bis 2,50
	NTP-3	.148	.097	20 bis 6 Gänge/Zoll	12 bis 5 Gänge/Zoll	1,25 bis 4,00	2,00 bis 5,00
	NT-4	.196	.127	20 bis 4 Gänge/Zoll	12 bis 4 Gänge/Zoll	1,25 bis 6,25	2,00 bis 6,25
	NT-4-K	.196	.127	20 bis 4 Gänge/Zoll	12 bis 4 Gänge/Zoll	1,25 bis 6,25	2,00 bis 6,25
	NT-4-C	.196	.127	11 bis 4 1/2 Gänge/Zoll	6 bis 4 1/2 Gänge/Zoll	2,50 bis 5,50	4,00 bis 5,50
	NT-4-CK	.196	.127	11 bis 4 1/2 Gänge/Zoll	6 bis 4 1/2 Gänge/Zoll	2,50 bis 5,50	4,00 bis 5,50
	NTF-4	.083	.054	44 bis 10 Gänge/Zoll	24 bis 9 Gänge/Zoll	0,60 bis 2,50	1,00 bis 2,50
	NTK-4	.083	.054	44 bis 10 Gänge/Zoll	24 bis 9 Gänge/Zoll	0,60 bis 2,50	1,00 bis 2,50
	NTP-4	.196	.127	20 bis 4 Gänge/Zoll	12 bis 4 Gänge/Zoll	1,25 bis 6,25	2,00 bis 6,25

*Basierend auf dem maximalen Wendeschneidplattenradius und den Vorgaben für 2A- und 2B-Gewinde.
**Für metrische D- und E-Maße mit 25,4 multiplizieren.

API-Gewindeform für die LT- und TOP NOTCH-Gewindeschneidsysteme

API-Gewindeformen
Wendeschneidplatten-Anwendungsübersicht für API Rotary Shouldered Connections (Drehschulterverbindungen)

Gewindeform	Kennametal-Wendeschneidplatte		Verbinder-Anwendungsbereich	minimale Muffengröße*
	Vollprofil	Teilprofil		
V-.038R 2" Verjüngung/Fuß 4 Gang/Zoll	NDC-4038R/L2 LT22-E/NR4API382	ND-3038R/L	2-3/8 API interne Spülung 2-7/8 API interne Spülung 3-1/2 API interne Spülung 4 API interne Spülung 4-1/2 API interne Spülung 5-1/2 API interne Spülung 6-5/8 API interne Spülung 4 API Vollbohrung API #23 API #26 API #31 API #35 API #38 API #40 API #44 API #46 API #50	API #31 2-7/8 IF
V-.038R 3" Verjüngung/Fuß 4 Gang/Zoll	NDC-4038R/L3 LT22-E/NR4API383	ND-3038R/L	API #56 API #61 API #70 API #77	API #56
V-.050 2" Verjüngung/Fuß 4 Gang/Zoll	NDC-4050R/L2 LT22-E/NR4API502	ND-4050R/L	5-1/2 API Vollbohrung 6-5/8 API regulär 6-5/8 API Vollbohrung	5-1/2 API Vollbohrung
V-.050 3" Verjüngung/Fuß 4 Gang/Zoll	NDC-4050R/L3 LT22-E/NR4API503	ND-4050R/L	5-1/2 API regulär 7-5/8 API regulär 8-5/8 API regulär	5-1/2 API regulär
V-.040 3" Verjüngung/Fuß 5 Gang/Zoll	NDC-3040R/L3 NDC-4040R/L3 LT22-E/NR5API403	ND-3040R/L ND-4040R/L	2-3/8 API regulär 2-7/8 API regulär 3-1/2 API regulär 4-1/2 API regulär	3-1/2 API regulär

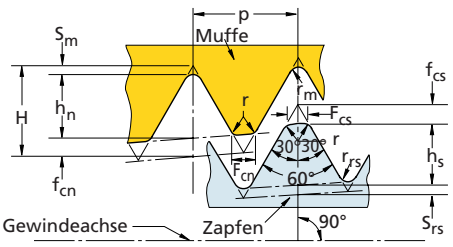
*Minimale Muffengröße, die aufgrund der minimalen Bohrungsanforderung mit einer Top Notch Standard-Wendeschneidplatte geschnitten werden kann.

API-Gewindeformen
Gewindeabmessung – Rotary Shouldered Connections (Drehschulterverbindungen) (Zoll)

Gewinde-form	Zoll Verjüngung pro Fuß	Gewinde-höhe, nicht abgeflacht H	Gewinde-höhe, abgeflacht $h_n = h_s$	Grund-abflachung $S_m = S_{rs}$ $f_m = f_{rs}$	Spitzen-abflachung $f_{cn} = f_{cs}$	Flächenbreite		Grund-radius $r_m = r_{rs}$	Radius an Gewinde-ecken r	Teilung p
						Spitze $f_{cn} = f_{cs}$	Spitze $f_m = f_{rs}$			
V-.038R	2	.216005	.121844	.038000	.056161	.065	—	.038	.015	.250
V-.038R	3	.215379	.121381	.038000	.055998	.065	—	.038	.015	
V-.040	3	.172303	.117842	.020000	.034461	.040	—	.020	.015	.200
V-.050	3	.215379	.147303	.025000	.043076	.050	—	.025	.015	.250
V-.050	2	.216005	.147804	.025000	.043201	.050	—	.025	.015	

alle Maße in Zoll

V-.040 und V-.050 Gewindeform



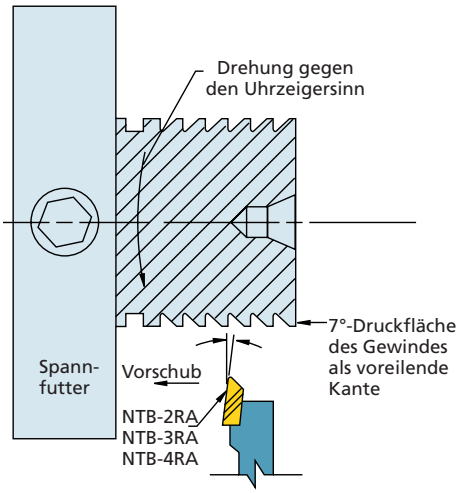
übertriebene Verjüngung abgebildet

Rundgewinde für Futterrohre und Steigrohre (Höhenabmessung)

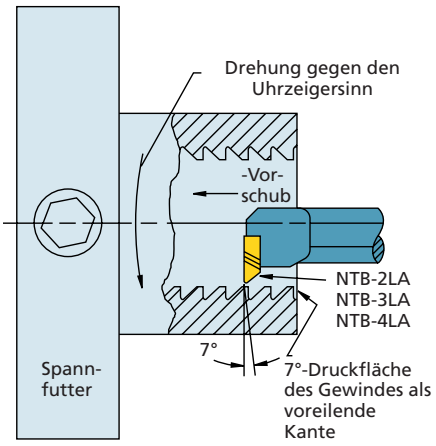
Gewindeelement		10 Gänge pro Zoll p = .1000	8 Gänge pro Zoll, p = .1250
H	= .866p	.08660	.10825
$H_s = h_n$	= .626p – .007	.05560	.07125
$S_{rs} = S_m$	= .120p + .002	.01400	.01700
$S_{cs} = S_{cn}$	= .120p + .005	.01700	.02000

Einsatzempfehlungen für das TOP NOTCH Gewindeschneidsystem – Amerikanische Buttress-Gewinde

Amerikanisches Buttress-Gewinde (7°-Druckfläche voreilend) NTB-A-Wendeschneidplatten (Druck)

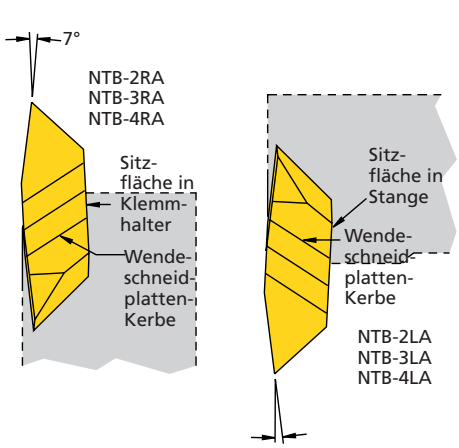


Buttress-Außengewinde 7°-Druckfläche voreilend



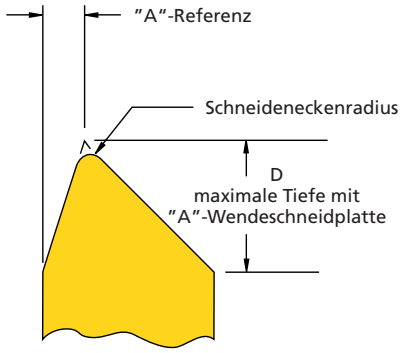
Buttress-Innengewinde 7°-Druckfläche voreilend

Wendeschneidplatten- und Klemmhalterausrichtung



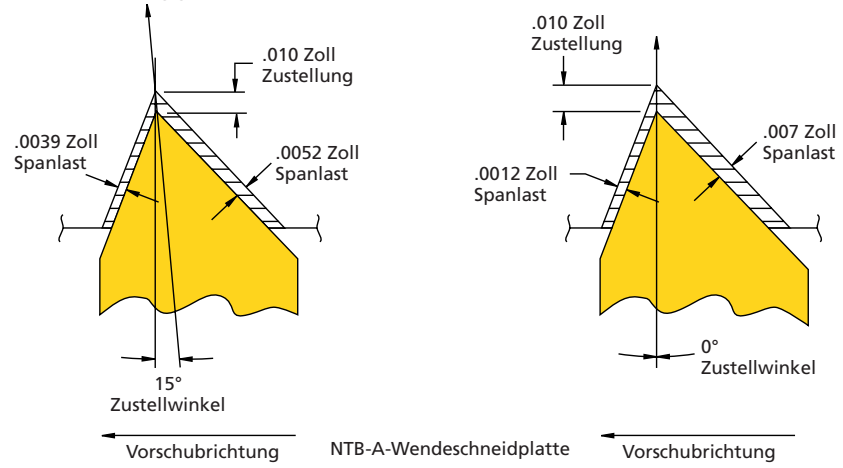
7°-Druckfläche voreilend

Referenzmaße



Wende-schneid-platte	D (Zoll)	"A" Ref. (Zoll)	Schneiden-eckenradius (Zoll)	Steigung basierend auf maximalem Radius
NTB-2A	.133	.024	.002-.004	16-20 Gang/Zoll
NTB-3A	.171	.031	.005-.008	8-16 Gang/Zoll
NTB-4A	.218	.049	.008-.012	4-6 Gang/Zoll

Spanlast in Abhängigkeit vom Zustellwinkel: 7°-Druckfläche voreilend



HINWEIS: Für eine ausgeglichene Spanlast wird ein Zustellwinkel von 15° empfohlen.

Grenzwerte für Innengewinde

Grenzwerte für Innengewinde NTB-2A Buttress-Gewindeschneidplatten

Gang/Zoll	Gewinde-Nenngröße	minimaler Innendurchmesser (Zoll)
8	1 3/4	1.600
10	1 5/8	1.505
12	1 1/2	1.400
16	1 1/4	1.175
20	1 1/16	1.002

Grenzwerte für Innengewinde NTB-3- und 4A-Buttress-Gewindeschneidplatten

Gang/Zoll	Gewinde-Nenngröße	minimaler Innendurchmesser (Zoll)
4*	2 1/2	2.200
5	2 1/4	2.010
6	2	1.800
8	1 3/4	1.600
10	1 5/8	1.505
12**	1 1/2	1.400

* Nur NTB-4A-Wendeschneidplatte
**16 oder 20 Gänge pro Zoll können geschnitten werden, wenn der Innendurchmesser mindestens 1.375 Zoll beträgt.

Gänge pro Zoll bei maximalem Grundradius (Zoll)

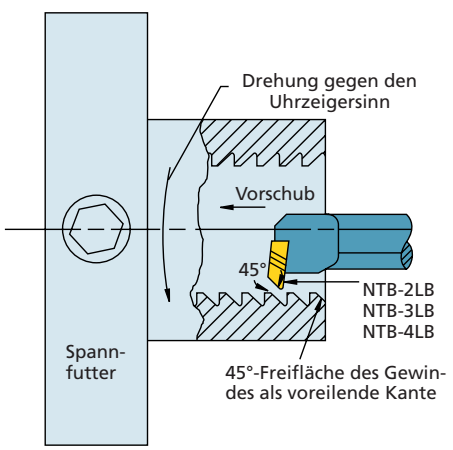
Gang/Zoll	20	16	12	10	8	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1
maximaler Grundradius	.0036	.0045	.0059	.0071	.0089	.0119	.0143	.0179	.0238	.0286	.0357	.0476	.0572	.0714

HINWEIS: Spezielle Buttress-Formen sind auf Anfrage erhältlich.

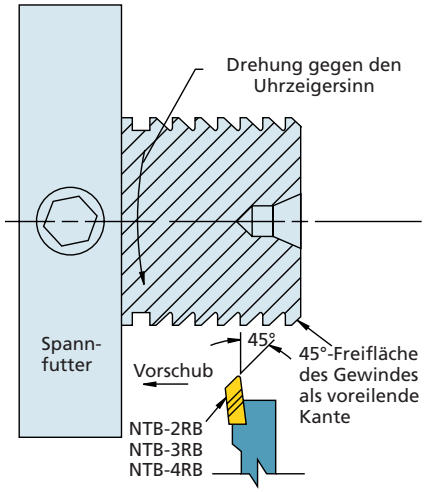
Technische Daten

Einsatzempfehlungen für das TOP NOTCH-System – Amerikanische Buttress-Gewinde

Amerikanisches Buttress-Gewinde (45°-Freifläche voreilend): NTB-B-Wendeschneidplatten (Zug)

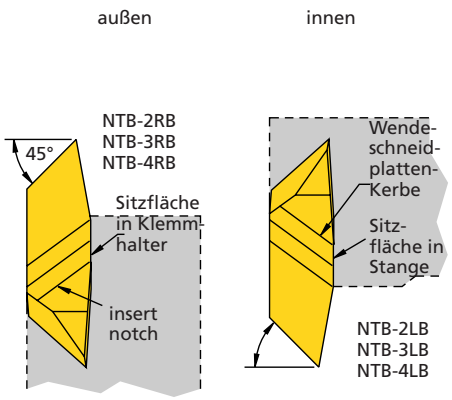


Buttress-Innengewinde 45°-Freifläche voreilend



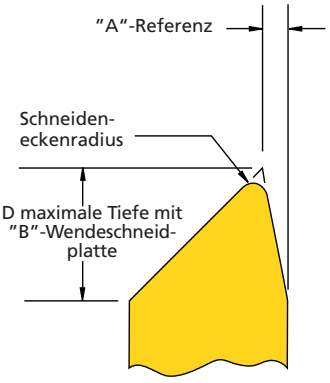
Buttress-Außengewinde 45°-Freifläche voreilend

Wendeschneidplatten- und Klemmhalterausrichtung



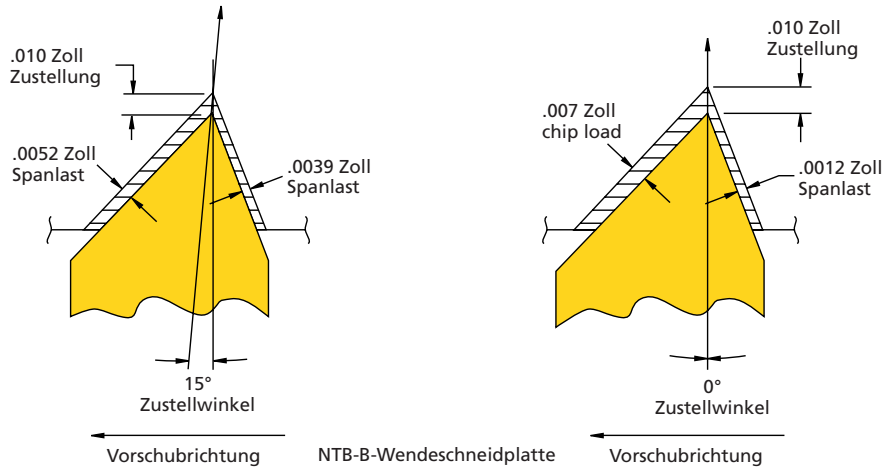
45°-Freifläche voreilend

Referenzmaße



Wende-schneid-platte	D (Zoll)	"A" Ref. (Zoll)	Schneiden–eckenradius (Zoll)	Steigung basierend auf maximalem Radius
NTB-2B	.133	.024	.002-.004	16-20 Gang/Zoll
NTB-3B	.171	.031	.005-.008	8-16 Gang/Zoll
NTB-4B	.218	.049	.008-.012	4-6 Gang/Zoll

Spanlast in Abhängigkeit vom Zustellwinkel: 45°-Freifläche voreilend



HINWEIS: Für eine ausgeglichene Spanlast wird ein umgekehrter Zustellwinkel von 15° empfohlen.

Grenzwerte für Innengewinde

Grenzwerte für Innengewinde NTB-2B Buttress-Gewindeschneidplatte

Gang/Zoll	Gewinde-Nenngröße	minimaler Innendurchmesser (Zoll)
8	1 3/4	1.600
10	1 5/8	1.505
12	1 1/2	1.400
16	1 1/4	1.175
20	1 1/16	1.002

Grenzwerte für Innengewinde NTB-3- und 4B-Buttress-Gewindeschneidplatte

Gang/Zoll	Gewinde-Nenngröße	minimaler Innendurchmesser (Zoll)
4*	2 7/8	2.575
5	2 3/4	2.510
6	2 3/8	2.175
8	2 1/8	1.975
10	1 7/8	1.755
12	1 5/8	1.525
16	1 1/2	1.407
20	1 7/16	1.378

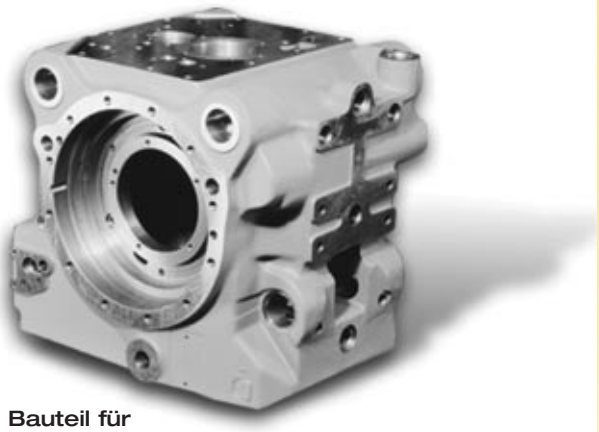
*Nur NTB-4B-Wendeschneidplatte

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Wendeschneidplatten D4
Klemmhalter D9
Bohrstangen und -köpfe D14

K-LOCK **D18**

Wendeschneidplatten D18
Klemmhalter D20

KENDEX Mini **D22**

Wendeschneidplatten D22
Bohrstangen D24

1. Schritt – Wahl der Spanformstufe

Negative Wendeschneidplatten

▼ Schruppen



K..X-32

▼▼ Mittlere Bearbeitung



K..X-25, K..X-20, K..X-15

▼▼▼ Schlichten

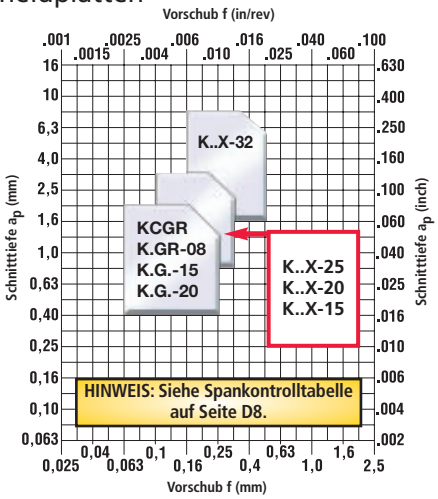


KCGR

▼▼▼ Schlichten



K.GR-08, K.G.-15, K.G.-20



Positive Wendeschneidplatten

▼▼ Mittlere Bearbeitung



VCMR

▼▼▼ Schlichten

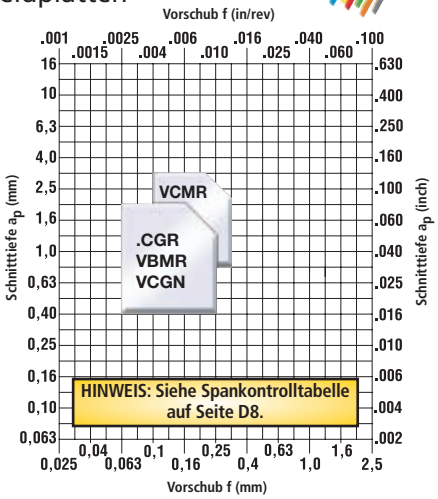


.CGR, VBMR

▼▼▼ Schlichten



VCGN



2. Schritt – Wahl des Schneidstoffes

		Stahl			Nicht rostender Stahl		
Schnittbedingung		▼▼▼	▼▼	▼	▼▼▼	▼▼	▼
stark unterbrochener Schnitt		KC9125	KC8050	KC8050	KC9225	KC8050	KC8050
leicht unterbrochener Schnitt		KC9110	KC9125	KC8050	KC5010	KC5025	KC5025
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KT315	KC9125	KC9125	KT315	KC9225	KC9225
glatter Schnitt, vorbearbeitete Oberfläche		KT315	KC9110	KC9110	KT315	KC5010	KC9225

		Gusseisen			NE-Metalle		
Schnittbedingung		▼▼▼	▼▼	▼	▼▼▼	▼▼	▼
stark unterbrochener Schnitt		KC9315	KC8050	KC8050	KC5010	KC5010	KC5010
leicht unterbrochener Schnitt		KC9315	KC9315	KC8050	KC5410/KD100	KC5010	KC5010
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KC5010	KC9315	KC9315	KD100/KD1405	KC5410	KC5410
glatter Schnitt, vorbearbeitete Oberfläche		KT315	KC5010	KC5010	KD1405	KC5410	KC5410

		Schwer zerspanbare Werkstoffe			Harte Werkstoffe		
Schnittbedingung		▼▼▼	▼▼	▼	▼▼▼	▼▼	▼
stark unterbrochener Schnitt		KC5025	K68	K68	–	–	–
leicht unterbrochener Schnitt		KC5010/KD120	KC5010	KC8050	KC5010/KB9610	KC5010	KC5010
schwankende Schnitttiefe, Guss- oder Schmiedehaut		KD120	KC5010	KC5010	KB9610	KC5010	KC5010
glatter Schnitt, vorbearbeitete Oberfläche		KB9610	KC5010	KC5010	KB9610	KB9610	KC5010

3. Schritt – Wahl der Schnittgeschwindigkeit

Stahl

KENNA PERFECT Werkstoffgruppe	Schneidstoff	Geschwindigkeit - m/min (sfm) 50 (170)	100 (330)	150 (490)	200 (655)	250 (820)	300 (980)	350 (1150)	400 (1300)	Ausgangsbedingungen m/min	sfm
P	KT315					◁▷				260	850
	KC9110					◁▷				240	800
	KC9125				◁▷					180	600
	KC8050				◁▷					165	550

Nicht rostender Stahl

KENNA PERFECT Werkstoffgruppe	Schneidstoff	Geschwindigkeit - m/min (sfm) 50 (170)	100 (330)	150 (490)	200 (655)	250 (820)	300 (980)	350 (1150)	400 (1300)	Ausgangsbedingungen m/min	sfm
M	KT315				◁▷					230	750
	KC5010				◁▷					180	600
	KC5025			◁▷						120	400
	KC9225				◁▷					170	550
	KC8050				◁▷					150	500

Gusseisen

KENNA PERFECT Werkstoffgruppe	Schneidstoff	Geschwindigkeit - m/min (sfm) 50 (170)	100 (330)	150 (490)	200 (655)	250 (820)	300 (980)	350 (1150)	400 (1300)	Ausgangsbedingungen m/min	sfm
K	KT315					◁▷				275	900
	KC5010					◁▷				245	800
	KC9315					◁▷				245	800
	KC8050					◁▷				230	750

NE-Metalle

KENNA PERFECT Werkstoffgruppe	Schneidstoff	Geschwindigkeit - m/min (sfm) 250 (800)	500 (1600)	750 (2400)	1000 (3200)	1250 (4000)	1500 (4800)	1750 (5600)	2000 (6400)	Ausgangsbedingungen m/min	sfm
N	KD100/KD1405			◁▷						765	2500
	KC5410		◁▷							550	1800
	KC5010		◁▷							460	1500
	K68	◁▷								150	500

Schwer zerspanbare Werkstoffe

KENNA PERFECT Werkstoffgruppe	Schneidstoff	Geschwindigkeit - m/min (sfm) 15 (50)	40 (120)	55 (180)	80 (250)	100 (330)	170 (550)	200 (655)	230 (750)	Ausgangsbedingungen m/min	sfm
S	KB9610						◁▷			215	700
	KD120					◁▷				120	400
	KC5010			◁▷						60	200
	KC5025			◁▷						50	170
	KC8050			◁▷						70	230
	K68		◁▷							30	100

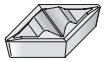
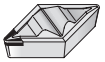
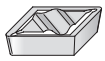
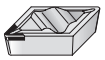
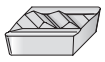
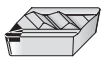
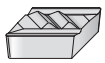
Hartmetall

KENNA PERFECT Werkstoffgruppe	Schneidstoff	Geschwindigkeit - m/min (sfm) 15 (50)	40 (120)	55 (180)	80 (250)	100 (330)	170 (550)	200 (655)	230 (750)	Ausgangsbedingungen m/min	sfm
H	KB9610						◁▷			150	500
	KC5010			◁▷						40	130

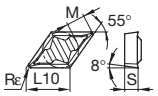
◁▷ Stellt die empfohlenen Ausgangsbedingungen dar. Für den jeweiligen Einsatz optimieren.

TOP NOTCH Profiling Wendeschneidplatten

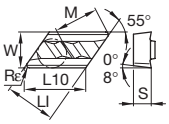
Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT P				M					K					N					S						H		
		KT315	KC9110	KC9125	KC8050	KT315	KC5010	KC5025	KC9225	KC8050	KT315	KC5010	KC9315	KC8050	KD120	K68	KC5010	KC5410	KD1405	KD100	K68	KC5010	KC5025	KC9225	KC8050	KD120	KC5010	KB9610	KD120
DCGR   **KD100**	**DCGR150404**	●	●	●	●	●	●	●	●	●	●	●		●		●	●	●		●	●	●	●	●	●		●		
	DCGR150408	●	●	●	●	●	●	●	●	●	●	●		●		●	●	●		●	●	●	●	●	●		●		
	DCGR150412	●	●	●	●	●	●	●	●	●	●	●		●		●	●	●		●	●	●	●	●	●		●		
KCGR   **KD100**	**Rechts**																												
	KCGR110304R08	●	●	●	●	●	●	●	●	●	●	●		●		●	●	●		●	●	●	●	●	●		●		
	KCGR110308R08	●	●	●	●	●	●	●	●	●	●	●		●		●	●	●		●	●	●	●	●	●		●		
	Links																												
	KCGR110304L08	●	●	●	●	●	●	●	●	●	●	●		●		●	●	●		●	●	●	●	●	●		●		
	KCGR110308L08	●	●	●	●	●	●	●	●	●	●	●		●		●	●	●		●	●	●	●	●	●		●		
KNGX   **KD100**	**Rechts**																												
	KNGX150401R15	●	●	●	●	●	●	●	●	●	●	●		●		●	●			●	●	●	●	●	●		●		
	KNGX150402R15	●	●	●	●	●	●	●	●	●	●	●		●			●				●	●	●	●	●		●		
	KNGX150404R20	●	●	●	●	●	●	●	●	●	●	●		●		●	●			●	●	●	●	●	●		●		
	KNGX150408R20	●	●	●	●	●	●	●	●	●	●	●		●		●	●			●	●	●	●	●	●		●		
	KNGX150408R25	●	●	●	●	●	●	●	●	●	●	●		●		●	●				●	●	●	●	●		●		
	KNGX220404R25	●	●	●	●	●	●	●	●	●	●	●		●		●	●				●	●	●	●	●		●		
	KNGX220408R32	●	●	●	●	●	●	●	●	●	●	●		●		●	●				●	●	●	●	●		●		
	KNGX220408R20	●	●	●	●	●	●	●	●	●	●	●		●			●					●	●	●	●		●		
	KNGX220408R25	●	●	●	●	●	●	●	●	●	●	●		●		●	●				●	●	●	●	●		●		
	Links																												
	KNGX150401L15	●	●	●	●	●	●	●	●	●	●	●		●		●	●			●	●	●	●	●	●		●		
	KNGX150402L15	●	●	●	●	●	●	●	●	●	●	●		●			●				●	●	●	●	●		●		
	KNGX150404L20	●	●	●	●	●	●	●	●	●	●	●		●		●	●			●	●	●	●	●	●		●		
	KNGX150408L20	●	●	●	●	●	●	●	●	●	●	●		●		●	●				●	●	●	●	●		●		
	KNGX150408L25	●	●	●	●	●	●	●	●	●	●	●		●		●	●				●	●	●	●	●		●		
	KNGX220404L25	●	●	●	●	●	●	●	●	●	●	●		●			●					●	●	●	●		●		
	KNGX220408L20	●	●	●	●	●	●	●	●	●	●	●		●			●					●	●	●	●		●		
	KNGX220408L25	●	●	●	●	●	●	●	●	●	●	●		●			●					●	●	●	●		●		
	KNGX220408L32	●	●	●	●	●	●	●	●	●	●	●		●		●	●				●	●	●	●	●		●		
KNUX 	**Rechts**																												
	KNUX150405R20	●			●	●	●		●	●	●	●	●	●		●	●				●	●		●	●		●		
	KNUX150405R25	●			●	●	●		●	●	●	●	●	●		●	●				●	●		●	●		●		
	KNUX150405R32				●					●				●															
	KNUX150410R20				●		●			●		●	●	●		●	●				●	●			●		●		
	KNUX150410R25				●		●			●		●	●	●		●	●				●	●			●		●		
	KNUX150410R32				●					●				●															
	Links																												
	KNUX150405L20	●			●	●	●		●	●	●	●	●	●		●	●				●	●		●	●		●		
	KNUX150405L25	●			●	●	●		●	●	●	●	●	●		●	●				●	●		●	●		●		
	KNUX150405L32				●					●				●															
	KNUX150410L20				●		●			●		●	●	●		●	●				●	●			●		●		
	KNUX150410L25				●		●			●		●	●	●		●	●				●	●			●		●		
	KNUX150410L32				●					●				●															

DC..



KN../KC..



ISO - Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	W Zoll	W mm	L10 Zoll	L10 mm	LI Zoll	LI mm	S Zoll	S mm	M Zoll	M mm	Rε Zoll	Rε mm	
DCGR150404	DPGR431	1/2	12,70	-	-	.610	15,50	-	-	3/16	4,76	.273	6,94	1/64	0,40	DCGR
DCGR150408	DPGR432	1/2	12,70	-	-	.610	15,50	-	-	3/16	4,76	.255	6,48	1/32	0,80	
DCGR150412	DPGR433	1/2	12,70	-	-	.610	15,50	-	-	3/16	4,76	.237	6,01	3/64	1,20	
																KD100
Rechts																KCGR
KCGR110304R08	NPGR51R	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.358	9,10	1/64	0,40	
KCGR110308R08	NPGR52R	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.341	8,66	1/32	0,80	
Links																
KCGR110304L08	NPGR51L	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.358	9,10	1/64	0,40	
KCGR110308L08	NPGR52L	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.341	8,66	1/32	0,80	
																KD100
Rechts																KNGX
KNGX150401R15	NPR1305	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.542	13,76	.005	0,13	
KNGX150402R15	NPR1308	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.538	13,67	.008	0,20	
KNGX150404R20	NPR131F	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.529	13,44	1/64	0,40	
KNGX150408R20	NPR132F	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.511	12,98	1/32	0,80	
KNGX150408R25	NPR132N	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.511	12,98	1/32	0,80	
KNGX220404R25	NPR331N	-	-	.375	9,53	.895	22,73	.733	18,62	3/16	4,76	.784	19,91	1/64	0,40	
KNGX220408R32	NPR332	-	-	.375	9,53	.895	22,73	.733	18,62	3/16	4,76	.767	19,47	1/32	0,80	
KNGX220408R20	NPR332F	-	-	.375	9,53	.895	22,73	.733	18,62	3/16	4,76	.767	19,47	1/32	0,80	
KNGX220408R25	NPR332N	-	-	.375	9,53	.895	22,73	.733	18,62	3/16	4,76	.767	19,47	1/32	0,80	
																KD100
Links																
KNGX150401L15	NPL1305	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.542	13,76	.005	0,13	
KNGX150402L15	NPL1308	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.538	13,67	.008	0,20	
KNGX150404L20	NPL131F	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.529	13,44	1/64	0,40	
KNGX150408L20	NPL132F	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.511	12,98	1/32	0,80	
KNGX150408L25	NPL132N	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.511	12,98	1/32	0,80	
KNGX220404L25	NPL331N	-	-	.375	9,53	.895	22,73	.733	18,62	3/16	4,76	.784	19,91	1/64	0,40	
KNGX220408L20	NPL332F	-	-	.375	9,53	.895	22,73	.733	18,62	3/16	4,76	.767	19,47	1/32	0,80	
KNGX220408L25	NPL332N	-	-	.375	9,53	.895	22,73	.733	18,62	3/16	4,76	.767	19,47	1/32	0,80	
KNGX220408L32	NPL332	-	-	.375	9,53	.895	22,73	.733	18,62	3/16	4,76	.767	19,47	1/32	0,80	
Rechts																KNUX
KNUX150405R20	NPR13M05F	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.525	13,32	.020	0,50	
KNUX150405R25	NPR13M05N	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.525	13,32	.020	0,50	
KNUX150405R32	NPR13M05R	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.525	13,32	.020	0,50	
KNUX150410R20	NPR13M10F	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.502	12,74	.039	1,00	
KNUX150410R25	NPR13M10N	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.502	12,74	.039	1,00	
KNUX150410R32	NPR13M10R	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.502	12,74	.039	1,00	
Links																
KNUX150405L20	NPL13M05F	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.525	13,32	.020	0,50	
KNUX150405L25	NPL13M05N	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.525	13,32	.020	0,50	
KNUX150405L32	NPL13M05R	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.525	13,32	.020	0,50	
KNUX150410L20	NPL13M10F	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.502	12,74	.039	1,00	
KNUX150410L25	NPL13M10N	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.502	12,74	.039	1,00	
KNUX150410L32	NPL13M10R	-	-	.375	9,53	.608	15,44	.500	12,70	3/16	4,76	.502	12,74	.039	1,00	

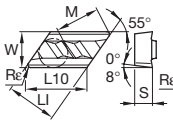
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ISO-Katalognummer: DCGR150404
Schneidstoffsorte: KT315

TOP NOTCH Profiling Wendeschneidplatten

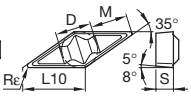
Schneidstoffauswahl

	ISO-Katalognummer	KENNA PERFECT																								
		P				M					K						N					S							H		
		KT315	KC9110	KC9125	KC8050	KT315	KC5010	KC5025	KC9225	KC8050	KT315	KC5010	KC9315	KC8050	KD120	K68	KC5010	KC5410	KD1405	KD100	K68	KC5010	KC5025	KC9225	KC8050	KD120	KC5010	KB9610	KD120
KCGX	**KCGX110301R15**	●	●	●	●	●	●	●	●	●	●	●		●		●	●			●	●	●	●	●	●		●	●	
	KCGX110302R15	●	●	●	●	●	●	●	●	●	●	●		●			●			●		●	●	●	●		●	●	
	KCGX110304R15	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●
	KCGX110308R15	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●				●	●	●	●	●		●		
	KCGX110301L15	●	●	●	●	●	●	●	●	●	●	●		●		●	●			●	●	●	●	●	●		●	●	
	KCGX110302L15	●	●	●	●	●	●	●	●	●	●	●		●			●		●	●		●	●	●	●		●		
	KCGX110304L15	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●
	KCGX110308L15	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●			●	●	●	●	●	●		●		
	KD100 KD120 KD1405 KB9610																												
KCUX	**Rechts**																												
	KCUX110302R15	●			●	●	●		●	●	●	●		●		●	●				●	●		●	●		●		
	KCUX110305R15	●			●	●	●		●	●	●	●	●	●		●	●				●	●		●	●		●		
	KCUX110310R15				●					●				●											●				
	Links																												
	KCUX110302L15	●			●	●	●		●	●	●	●		●		●	●				●	●		●	●		●		
	KCUX110305L15	●			●	●	●		●	●	●	●	●	●		●	●				●	●		●	●		●		
	KCUX110310L15				●					●				●											●				
KCGN	**Rechts**																												
	KCGN110304R08E																	●											
	KCGN110308R08E																	●											
	Links																												
	KCGN110304L08E																	●											
	KCGN110308L08E																	●											
VBMR	**VBMR110302**	●	●	●	●	●	●	●	●	●	●	●		●			●					●	●	●	●		●		
	VBMR110304	●	●	●	●	●	●	●	●	●	●	●		●			●					●	●	●	●		●		
	VBMR110308	●	●	●	●	●	●	●	●	●	●	●		●			●					●	●	●	●		●		
VCMR	**VCMR160404**	●			●	●	●	●	●	●	●	●	●	●			●					●	●	●	●		●		
	VCMR160408	●			●	●	●	●	●	●	●	●	●	●			●					●	●	●	●		●		
VCGN	**VCGN160404**													●	●			●							●	●		●	●
	VCGN160408													●	●			●							●	●		●	●
	VCGN160412																			●									
	KD100 KD120																												
VCGR	**VCGR160402**	●	●	●	●	●	●	●	●	●	●	●		●		●	●	●			●	●	●	●	●		●		
	VCGR160404	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●	●	●	●	●	●		●		
	VCGR160408	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●	●	●	●	●	●		●		
	VCGR160412	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●	●	●	●	●	●		●		
	VCGR160416	●	●	●	●	●	●	●	●	●	●	●		●			●	●				●	●	●	●		●		
	KD100																												

KC..



V..

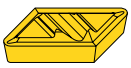
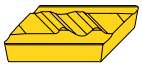
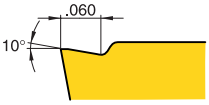
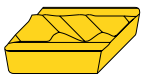
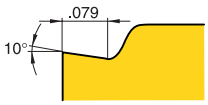
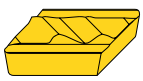
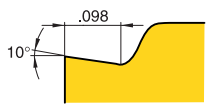
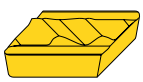
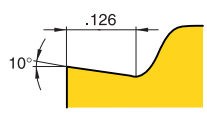


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	D mm	W Zoll	W mm	L10 Zoll	L10 mm	LI Zoll	LI mm	S Zoll	S mm	M Zoll	M mm	Rε Zoll	Rε mm	
KCGX110301R15	NPR505	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.369	9,38	.005	0,13	KCGX
KCGX110302R15	NPR508	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.369	9,36	.008	0,20	
KCGX110304R15	NPR51	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.360	9,13	1/64	0,40	
KCGX110308R15	NPR52	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.340	8,64	1/32	0,80	
KCGX110301L15	NPL505	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.369	9,38	.005	0,13	
KCGX110302L15	NPL508	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.369	9,36	.008	0,20	
KCGX110304L15	NPL51	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.360	9,13	1/64	0,40	
KCGX110308L15	NPL52	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.340	8,64	1/32	0,80	KD100 KD120 KD1405 KB9610
Rechts																
KCUX110302R15	NPR5M02	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.367	9,32	.008	0,20	KCUX
KCUX110305R15	NPR5M05	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.353	8,97	.020	0,50	
KCUX110310R15	NPR5M10	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.330	8,39	.039	1,00	
Links																
KCUX110302L15	NPL5M02	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.367	9,32	.008	0,20	
KCUX110305L15	NPL5M05	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.353	8,97	.020	0,50	
KCUX110310L15	NPL5M10	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.330	8,39	.039	1,00	
Rechts																
KCGN110304R08E	NPGN51RE	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.358	9,10	1/64	0,40	KCGN
KCGN110308R08E	NPGN52RE	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.341	8,66	1/32	0,80	
Links																
KCGN110304L08E	NPGN51LE	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.358	9,10	1/64	0,40	
KCGN110308L08E	NPGN52LE	-	-	.250	6,35	.457	11,60	.375	9,53	1/8	3,18	.341	8,66	1/32	0,80	
VBMR110302	VBMR2205	1/4	6,35	-	-	.436	11,07	-	-	1/8	3,18	.272	6,91	.008	0,20	VBMR
VBMR110304	VBMR221	1/4	6,35	-	-	.436	11,07	-	-	1/8	3,18	.254	6,46	1/64	0,40	
VBMR110308	VBMR222	1/4	6,35	-	-	.436	11,07	-	-	1/8	3,18	.218	5,54	1/32	0,80	
VCMR160404	VCMR331	3/8	9,53	-	-	.654	16,61	-	-	3/16	4,76	.400	10,15	1/64	0,40	VCMR
VCMR160408	VCMR332	3/8	9,53	-	-	.654	16,61	-	-	3/16	4,76	.363	9,23	1/32	0,80	
VCGN160404	VPGN331	3/8	9,53	-	-	.654	16,61	-	-	3/16	4,76	.400	10,15	1/64	0,40	VCGN
VCGN160408	VPGN332	3/8	9,53	-	-	.654	16,61	-	-	3/16	4,76	.363	9,23	1/32	0,80	
VCGN160412	VPGN333	3/8	9,53	-	-	.654	16,61	-	-	3/16	4,76	.327	8,31	3/64	1,20	KD100 KD120
VCGR160402	VPGR3305	3/8	9,53	-	-	.654	16,61	-	-	3/16	4,76	.417	10,60	.008	0,20	VCGR
VCGR160404	VPGR331	3/8	9,53	-	-	.654	16,61	-	-	3/16	4,76	.400	10,15	1/64	0,40	
VCGR160408	VPGR332	3/8	9,53	-	-	.654	16,61	-	-	3/16	4,76	.363	9,23	1/32	0,80	
VCGR160412	VPGR333	3/8	9,53	-	-	.654	16,61	-	-	3/16	4,76	.327	8,31	3/64	1,20	
VCGR160416	VPGR334	3/8	9,53	-	-	.654	16,61	-	-	3/16	4,76	.291	7,38	1/16	1,60	KD100

Bestellbeispiel:
ISOI-Katalognummer: KCGX110301R15
Schneidstoffsorte: KT315

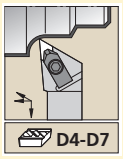
Spanformstufen

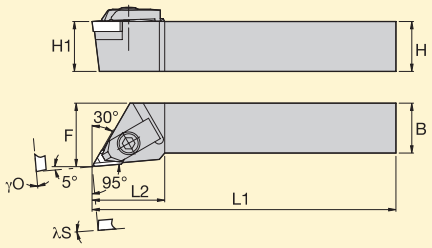
Top Notch Profiling

Bearbeitung	Wendeschneidplatten-Ausführung Anwendungsbereich	Spanformstufe	Profil	Vorschub – (mm) 0,04 0,063 0,01 0,16 0,25 0,4 0,63 1,0 1,6 2,5 5,0 / Schnitttiefe – (mm) 0,1 0,16 0,25 0,4 0,63 1,0 1,6 2,5 4,0 6,3 10,0
Schlichten ▼▼▼	**DPGR** präzisionsgeschliffen			0,1 - 0,3 (.004 - .012); 0,3 - 1,8 (.010 - .070)
Schlichten ▼▼▼	**KCGR** präzisionsgeschliffen			0,1 - 0,3 (.004 - .012); 0,3 - 1,8 (.010 - .070)
Schlichten ▼▼▼	**VBMR**			0,1 - 0,4 (.004 - .014); 0,3 - 2,0 (.010 - .080)
Schlichten ▼▼▼	**VCGR** präzisionsgeschliffen			0,1 - 0,4 (.004 - .014); 0,3 - 2,0 (.010 - .080)
Schlichten ▼▼▼	**KNGX-15**			0,2 - 0,4 (.006 - .016); 0,8 - 2,8 (.030 - .110)
mittlere Bearbeitung ▼▼	**KNGX-20**			0,2 - 0,5 (.008 - .018); 1,0 - 3,0 (.040 - .120)
mittlere Bearbeitung ▼▼	**KNGX-25**			0,3 - 0,6 (.010 - .022); 1,1 - 3,6 (.045 - .140)
Schruppen ▼	**KNGX-32**			0,3 - 0,7 (.012 - .026); 1,5 - 5,1 (.060 - .200)

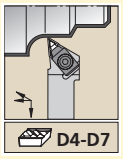
Vorschub– Zoll .0015 .0025 .004 .006 .010 .016 .025 .040 .060 .100 .200 / Schnitttiefe – Zoll .004 .006 .010 .016 .025 .040 .060 .100 .160 .250 .500

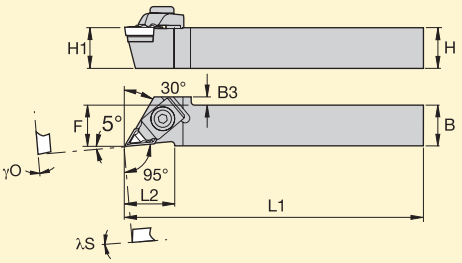
NKLC 95°





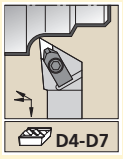
NKLC-F 95°

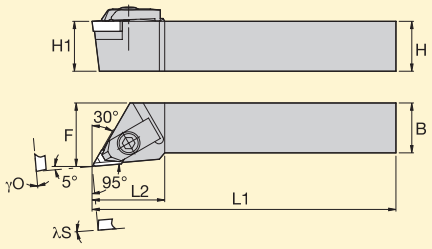




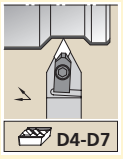
ISO-Katalognummer	H = H1	B	F	L1	L2	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
Rechts															
NKLCR1212F11	12	12	16,0	80	24,0	-	0,0	0,0	**KC..110305R**	**SM885**	**MS959**	-	**CM68**	**MS524**	3
NKLCR1616H11	16	16	20,0	100	24,0	-	0,0	0,0	**KC..110305R**	**SM885**	**MS959**	-	**CM68**	**MS524**	3
NKLCR2020K11	20	20	25,0	125	24,0	-	0,0	0,0	**KC..110305R**	**SM885**	**MS959**	-	**CM68**	**MS524**	3
NKLCR2525M11	25	25	32,0	150	24,0	-	0,0	0,0	**KC..110305R**	**SM885**	**MS959**	-	**CM68**	**MS524**	3
Links															
NKLCL1212F11	12	12	16,0	80	24,0	-	0,0	0,0	**KC..110305L**	**SM886**	**MS959**	-	**CM68**	**MS524**	3
NKLCL1616H11	16	16	20,0	100	24,0	-	0,0	0,0	**KC..110305L**	**SM886**	**MS959**	-	**CM68**	**MS524**	3
NKLCL2020K11	20	20	25,0	125	24,0	-	0,0	0,0	**KC..110305L**	**SM886**	**MS959**	-	**CM68**	**MS524**	3
NKLCL2525M11	25	25	32,0	150	24,0	-	0,0	0,0	**KC..110305L**	**SM886**	**MS959**	-	**CM68**	**MS524**	3
Rechts															
NKLCRF1212M11Q	12	12	12,0	150	24,0	-	0,0	0,0	**KC..110305R**	**SM885**	**MS959**	-	**CM180**	**MS524**	3
NKLCRF1616K11Q	16	16	16,0	125	24,0	-	0,0	0,0	**KC..110305R**	**SM885**	**MS959**	-	**CM180**	**MS524**	3
Links															
NKLCLF1212M11Q	12	12	12,0	150	24,0	-	0,0	0,0	**KC..110305L**	**SM886**	**MS959**	-	**CM180**	**MS524**	3
NKLCLF1616K11Q	16	16	16,0	125	24,0	-	0,0	0,0	**KC..110305L**	**SM886**	**MS959**	-	**CM180**	**MS524**	3

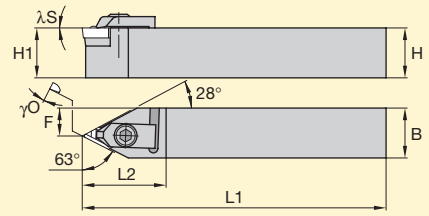
NKLN 95°





NKNC 63°





ISO-Katalognummer	H = H1	B	F	L1	L2	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
Rechts															
NKLNR2020K15	20	20	25,0	125	32,0	-	-2,0	-5,0	**KN..150410R**	**SM872**	**MS111**	2	**CM66**	**MS625**	4
NKLNR2525M15	25	25	32,0	150	32,0	-	-2,0	-5,0	**KN..150410R**	**SM872**	**MS111**	2	**CM66**	**MS625**	4
NKLNR3225P15	32	25	32,0	170	32,0	-	-2.0	-5,0	**KN..150410R**	**SM872**	**MS111**	2	**CM66**	**MS625**	4
Links															
NKLNL2020K15	20	20	25,0	125	32,0	-	-2,0	-5,0	**KN..150410L**	**SM871**	**MS111**	2	**CM66**	**MS625**	4
NKLNL2525M15	25	25	32,0	150	32,0	-	-2,0	-5,0	**KN..150410L**	**SM871**	**MS111**	2	**CM66**	**MS625**	4
NKLNL3225P15	32	25	32,0	170	32,0	-	-2,0	-5,0	**KN..150410L**	**SM871**	**MS111**	2	**CM66**	**MS625**	4
Rechts															
NKNCR1616H11	16	16	9,0	100	27,0	-	0,0	0,0	**KC..110305R**	**SM885**	**MS959**	-	**CM68**	**MS524**	3
Links															
NKNCL1616H11	16	16	9,0	100	27,0	-	0,0	0,0	**KC..110305L**	**SM886**	**MS959**	-	**CM68**	**MS524**	3

Bestellbeispiel:
Rechts: **NKLCR1212F11**

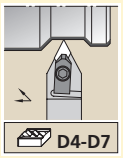


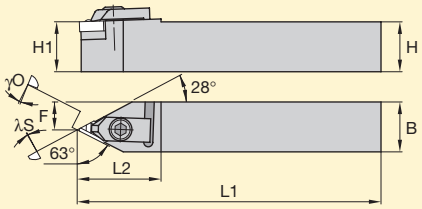
Links: **NKLCL1212F11**



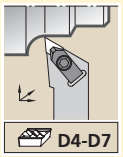
Klemmhalter

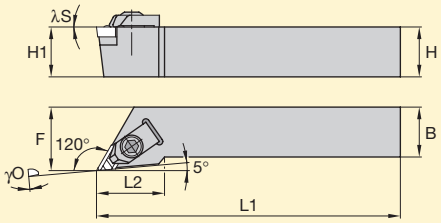
NKNN 63°





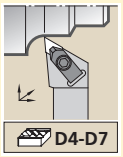
NKXC 120°

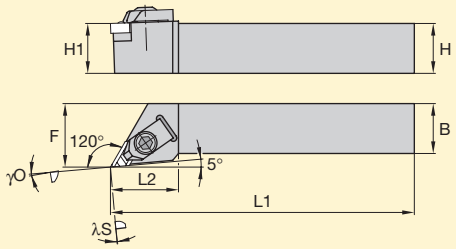




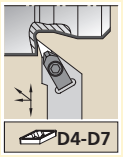
ISO-Katalognummer	H = H1	B	F	L1	L2	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
Rechts															
NKNNR2020K15	20	20	12,0	125	37,0	-	-2,0	-5,0	**KN..150410R**	**SM872**	**MS111**	2	**CM66**	**MS625**	4
NKNNR2525M15	25	25	12,0	150	37,0	-	-2,0	-5,0	**KN..150410R**	**SM872**	**MS111**	2	**CM66**	**MS625**	4
Links															
NKNNL2020K15	20	20	12,0	125	37,0	-	-2,0	-5,0	**KN..150410L**	**SM871**	**MS111**	2	**CM66**	**MS625**	4
NKNNL2525M15	25	25	12,0	150	37,0	-	-2,0	-5,0	**KN..150410L**	**SM871**	**MS111**	2	**CM66**	**MS625**	4
Rechts															
NKXCR1212F11	12	12	16,0	80	27,0	-	0,0	0,0	**KC..110305L**	**SM886**	**MS959**	-	**CM68**	**MS524**	3
NKXCR1616H11	16	16	20,0	100	27,0	-	0,0	0,0	**KC..110305L**	**SM886**	**MS959**	-	**CM68**	**MS524**	3
Links															
NKXCL1212F11	12	12	16,0	80	27,0	-	0,0	0,0	**KC..110305R**	**SM885**	**MS959**	-	**CM68**	**MS524**	3
NKXCL1616H11	16	16	20,0	100	27,0	-	0,0	0,0	**KC..110305R**	**SM885**	**MS959**	-	**CM68**	**MS524**	3

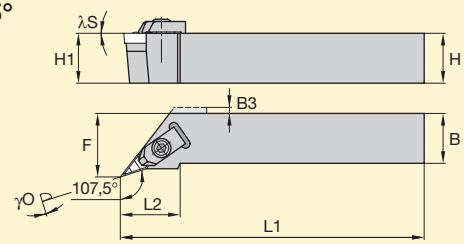
NKXN 120°





NVHB 107,5°





ISO-Katalognummer	H = H1	B	F	L1	L2	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
Rechts															
NKXNR2020K15	20	20	25,0	125	35,0	-	-2,0	-5,0	**KN..150410L**	**SM871**	**MS111**	2	**CM66**	**MS625**	4
NKXNR2525M15	25	25	32,0	150	35,0	-	-2,0	-5,0	**KN..150410L**	**SM871**	**MS111**	2	**CM66**	**MS625**	4
Links															
NKXNL2020K15	20	20	25,0	125	35,0	-	-2,0	-5,0	**KN..150410R**	**SM872**	**MS111**	2	**CM66**	**MS625**	4
NKXNL2525M15	25	25	32,0	150	35,0	-	-2,0	-5,0	**KN..150410R**	**SM872**	**MS111**	2	**CM66**	**MS625**	4
Rechts															
NVHBR1616H11	16	16	20,0	100	25,0	3,0	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	4
NVHBR2020K11	20	20	25,0	125	30,0	-	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	2,5
NVHBR2525M11	25	25	32,0	150	30,0	-	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	2,5
Links															
NVHBL1616H11	16	16	20,0	100	25,0	3,0	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM159**	**MS518**	4
NVHBL2020K11	20	20	25,0	125	30,0	-	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM159**	**MS518**	2,5
NVHBL2525M11	25	25	32,0	150	30,0	-	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM159**	**MS518**	2,5

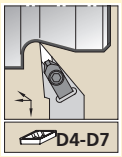
Bestellbeispiel:
Rechts: **NKNNR2020K15**

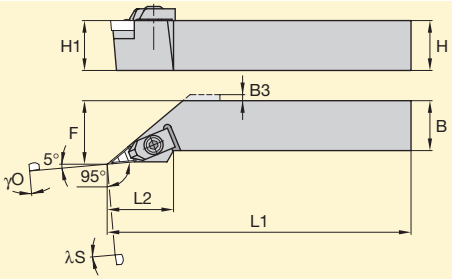


Links: **NKNNL2020K15**

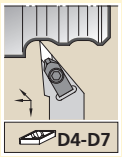


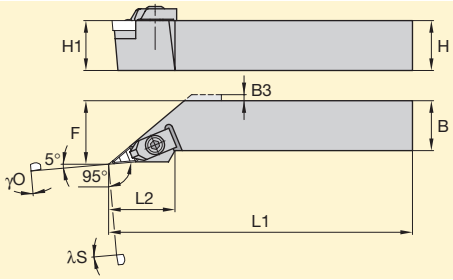
NVLB 95°





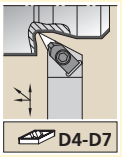
NVLC 95°

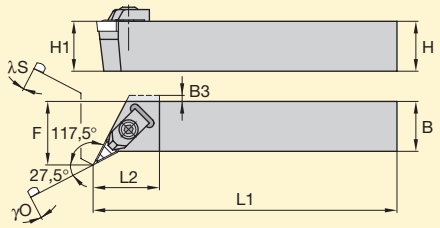




ISO-Katalognummer	H = H1	B	F	L1	L2	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
Rechts															
NVLBR1212N11	12	12	16,0	160	25,0	4,0	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	2,5
NVLBR1616H11	16	16	20,0	100	25,0	-	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	2,5
NVLBR2020K11	20	20	25,0	125	30,0	-	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	2,5
NVLBR2525M11	25	25	32,0	150	32,0	-	0,0	0.0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	2.5
Links															
NVLBL1212N11	12	12	16,0	160	25,0	4,0	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM159**	**MS518**	2,5
NVLBL1616H11	16	16	20,0	100	25,0	-	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM159**	**MS518**	2,5
NVLBL2020K11	20	20	25,0	125	30,0	-	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM159**	**MS518**	2,5
NVLBL2525M11	25	25	32,0	150	32,0	-	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM159**	**MS518**	2,5
Rechts															
NVLCR1616H16	16	16	20,0	100	37,0	5,0	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4
NVLCR2020K16	20	20	25,0	125	37,0	-	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4
NVLCR2525M16	25	25	32,0	150	37,0	-	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4
NVLCR3225P16	32	25	32,0	170	37,0	-	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4
Links															
NVLCL1616H16	16	16	20,0	100	37,0	5,0	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM114**	**MS412**	4
NVLCL2020K16	20	20	25,0	125	37,0	-	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM114**	**MS412**	4
NVLCL2525M16	25	25	32,0	150	37,0	-	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM114**	**MS412**	4
NVLCL3225P16	32	25	32,0	170	37,0	-	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM114**	**MS412**	4

NVOC 117,5°





ISO-Katalognummer	H = H1	B	F	L1	L2	B3	λS°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
Rechts															
NVOCR2020K16	20	20	32,0	125	29,0	3,0	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4
NVOCR2525M16	25	25	32,0	150	29,0	3,0	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4
Links															
NVOCL2020K16	20	20	32,0	125	29,0	3,0	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM114**	**MS412**	4
NVOCL2525M16	25	25	32,0	150	29,0	3,0	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM114**	**MS412**	4

Bestellbeispiel:
Rechts: **NVLBR1212N11**

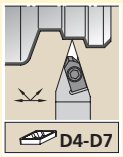


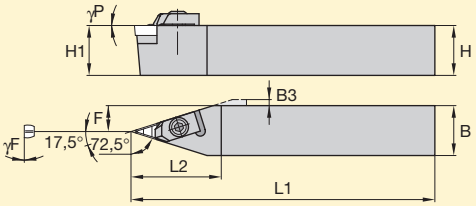
Links: **NVLBL1212N11**



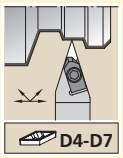
Klemmhalter

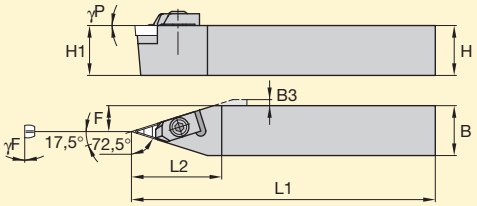
NVVB 72,5°





NVVC 72,5°





ISO-Katalognummer	H = H1	B	F	L1	L2	B3	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
NVVBN1616H11	16	16	7,9	100	30,0	2,0	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	4
NVVBN2020K11	20	20	10,0	125	30,0	-	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	2,5
NVVBN2525M11	25	25	12,5	150	30,0	-	0,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	2,5
NVVCN1616H16	16	16	8,0	100	42,0	4,0	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4
NVVCN2020K16	20	20	10,0	125	42,0	2,0	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4
NVVCN2525M16	25	25	12,5	150	42,0	-	0,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4

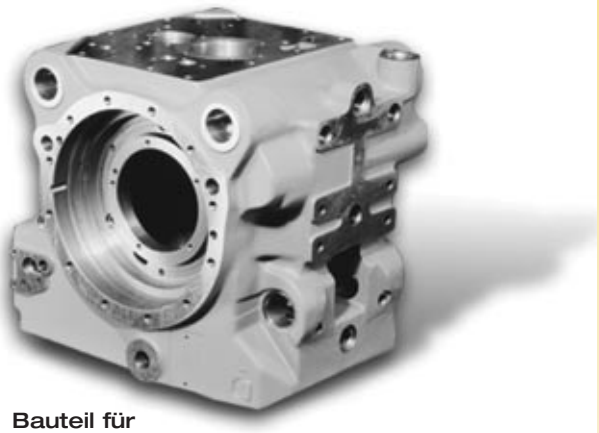
Bestellbeispiel:
NVVBN1616H11

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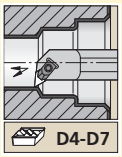
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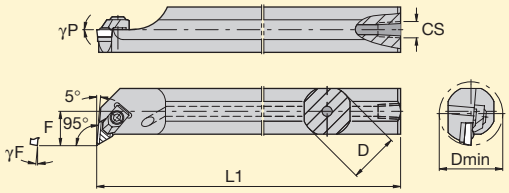
ENGINEERING YOUR COMPETITIVE EDGE

Bohrstangen

A-NKLC 95°

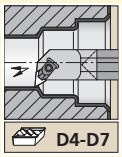


Stahlschaft mit Innenkühlung

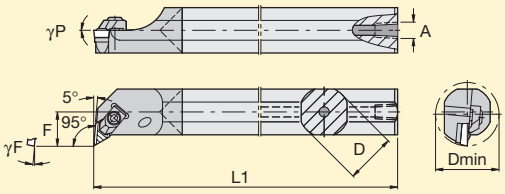


ISO-Katalognummer	D	Dmin	F	L1	L	L1A	A	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
Rechts																	
A12MNKLCR11	12	16,0	9,0	150	-	-	-	1/16-27 NPT	-5,0	0,0	**KC..110305L**	**-**	**-**	-	**CM106**	**MS518**	2,5
A16MNKLCR11	16	20,0	11,0	150	-	-	-	1/8-27 NPT	-7,0	0,0	**KC..110305L**	**SM886**	**MS959**	-	**CM106**	**MS518**	2,5
A20QNKLCR11	20	25,0	13,0	180	-	-	-	1/8-27 NPT	-5,0	0,0	**KC..110305L**	**SM886**	**MS959**	-	**CM68**	**MS524**	3
A25RNKLCR11	25	32,0	16,0	200	-	-	-	1/4-18 NPT	-5,0	0,0	**KC..110305L**	**SM886**	**MS959**	-	**CM68**	**MS524**	3
A32SNKLCR11	32	40,0	22,0	250	-	-	-	1/4-18 NPT	-5,0	0,0	**KC..110305L**	**SM886**	**MS959**	-	**CM68**	**MS524**	3
Links																	
A12MNKLCL11	12	16,0	9,0	150	-	-	-	1/16-27 NPT	-5,0	0,0	**KC..110305R**	**-**	**-**	-	**CM106**	**MS518**	2,5
A16MNKLCL11	16	20,0	11,0	150	-	-	-	1/8-27 NPT	-7,0	0,0	**KC..110305R**	**SM885**	**MS959**	-	**CM105**	**MS518**	2,5
A20QNKLCL11	20	25,0	13,0	180	-	-	-	1/8-27 NPT	-5,0	0,0	**KC..110305R**	**SM885**	**MS959**	-	**CM68**	**MS524**	3
A25RNKLCL11	25	32,0	16,0	200	-	-	-	1/4-18 NPT	-5,0	0,0	**KC..110305R**	**SM885**	**MS959**	-	**CM68**	**MS524**	3
A32SNKLCL11	32	40,0	22,0	250	-	-	-	1/4-18 NPT	-5,0	0,0	**KC..110305R**	**SM885**	**MS959**	-	**CM68**	**MS524**	3

E-NKLC 95°



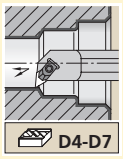
Hartmetallschaft mit Innenkühlung

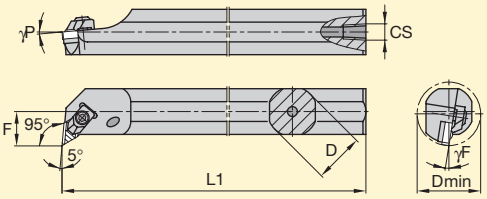


ISO-Katalognummer	D	Dmin	F	L1	L	L1A	A	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
Rechts																	
E12QNKLCR11	12	16,0	9,0	180	-	-	4,8	-	-5,0	0,0	**KC..110308L**	**-**	**-**	-	**CM106**	**MS518**	2,5
E16RNKLCR11	16	20,0	11,0	200	-	-	5,5	-	-5,0	0,0	**KC..110308L**	**SM886**	**MS959**	-	**CM106**	**MS518**	2,5
E20SNKLCR11	20	25,0	13,0	250	-	-	7,1	-	-5,0	0,0	**KC..110308L**	**SM886**	**MS959**	-	**CM68**	**MS524**	3
Links																	
E12QNKLCL11	12	16,0	9,0	180	-	-	4,8	-	-5,0	0,0	**KC..110308R**	**-**	**-**	-	**CM105**	**MS518**	2,5
E16RNKLCL11	16	20,0	11,0	200	-	-	5,5	-	-5,0	0,0	**KC..110308R**	**SM885**	**MS959**	-	**CM105**	**MS518**	2,5
E20SNKLCL11	20	25,0	13,0	250	-	-	7,1	-	-5,0	0,0	**KC..110308R**	**SM885**	**MS959**	-	**CM68**	**MS524**	3

Bestellbeispiel:
Rechts: **A12MNKLCR11** 
Links: **A12MNKLCL11** 

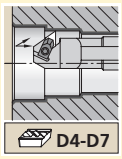
A-NKLN 95°

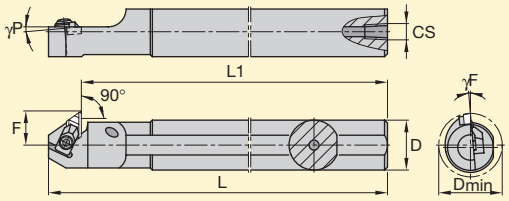




Stahlschaft mit Innenkühlung

A-NKXC 90°

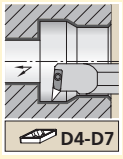


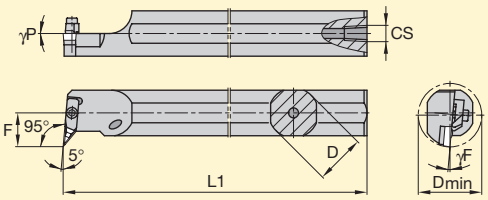


Stahlschaft mit Innenkühlung

ISO-Katalognummer	D	Dmin	F	L1	L	L1A	A	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm) Torx
Rechts																	
A25RNKLNR15	25	32,0	17,0	200	-	-	-	1/4-18 NPT	-9,0	-5,0	**KN..150410L**	**SM871**	**MS111**	2	**CM77**	**MS1221**	T25
A32SNKLNR15	32	40,0	22,0	250	-	-	-	1/4-18 NPT	-9,0	-5,0	**KN..150410L**	**SM871**	**MS111**	2	**CM66**	**MS624**	4
A40TNKLNR15	40	50,0	27,0	300	-	-	-	1/4-18 NPT	-5,0	-5,0	**KN..150410L**	**SM871**	**MS111**	2	**CM66**	**MS624**	4
Links																	
A25RNKLNL15	25	32,0	17,0	200	-	-	-	1/4-18 NPT	-9,0	-5,0	**KN..150410R**	**SM872**	**MS111**	2	**CM69**	**MS1221**	T25
A32SNKLNL15	32	40,0	22,0	250	-	-	-	1/4-18 NPT	-9,0	-5,0	**KN..150410R**	**SM872**	**MS111**	2	**CM66**	**MS624**	4
A40TNKLNL15	40	50,0	27,0	300	-	-	-	1/4-18 NPT	-5,0	-5,0	**KN..150410R**	**SM872**	**MS111**	2	**CM66**	**MS624**	4
A20QNKXCL11	20	25,0	13,0	180	199	-	-	1/8-27 NPT	-5,0	-5,0	**KC..110305R**	**SM886**	**MS959**	-	**CM79**	**MS1220**	T25
A25RNKXCL11	25	32,0	17,0	200	219	-	-	1/4-18 NPT	-5,0	-5,0	**KC..110305R**	**SM886**	**MS959**	-	**CM68**	**MS524**	3

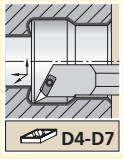
A-NVLB 95°

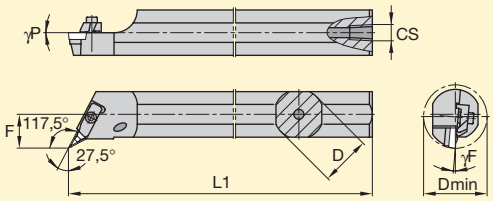




Stahlschaft mit Innenkühlung

A-NVOC 117,5°





Stahlschaft mit Innenkühlung

ISO-Katalognummer	D	Dmin	F	L1	L	L1A	A	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unterlage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
Rechts																	
A20SNVLBR11	20	26,0	13,0	250	-	-	-	1/8-27 NPT	-5,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM159**	**MS518**	2,5
A25TNVLBR11	25	32,0	17,0	300	-	-	-	1/4-18 NPT	-5,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM159**	**MS518**	2,5
Links																	
A20SNVLBL11	20	26,0	13,0	250	-	-	-	1/8-27 NPT	-5,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	2,5
A25TNVLBL11	25	32,0	17,0	300	-	-	-	1/4-18 NPT	-5,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	2,5
Rechts																	
A32SNVOCR16	32	40,0	22,0	250	-	-	-	1/4-18 NPT	-2,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4
A40TNVOCR16	40	50,0	27,0	300	-	-	-	1/4-18 NPT	-2,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4
A50UNVOCR16	50	63,0	35,0	350	-	-	-	1/4-18 NPT	-2,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4
Links																	
A32SNVOCL16	32	40,0	22,0	250	-	-	-	1/4-18 NPT	-2,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM114**	**MS412**	4
A40TNVOCL16	40	50,0	27,0	300	-	-	-	1/4-18 NPT	-2,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM114**	**MS412**	4
A50UNVOCL16	50	63,0	35,0	350	-	-	-	1/4-18 NPT	-2,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM114**	**MS412**	4

Bestellbeispiel:
Rechts: **A25RNKLNR15**

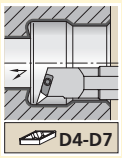


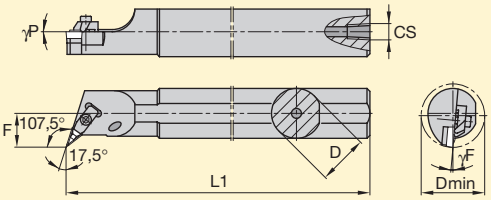
Links: **A25RNKLNL15**



Bohrstangen

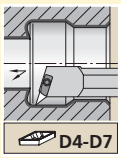
A-NVQB 107,5°

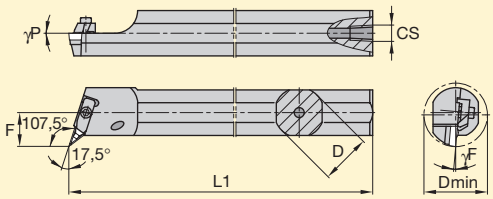




Stahlschaft mit Innenkühlung

A-NVQC 107,5°

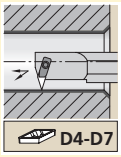


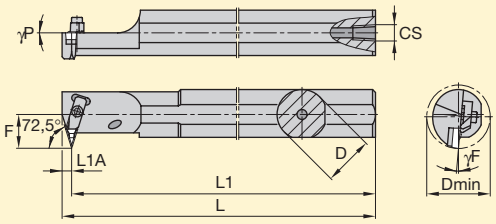


Stahlschaft mit Innenkühlung

ISO-Katalognummer	D	Dmin	F	L1	L	L1A	A	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
Rechts																	
A16RNVQBR11	16	20,00	11,0	200	-	-	-	1/8-27 NPT	-5,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM159**	**MS518**	2,5
A20SNVQBR11	20	25,00	13,0	250	-	-	-	1/8-27 NPT	-5,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM159**	**MS518**	2,5
A25TNVQBR11	25	32,00	17,0	300	-	-	-	1/4-18 NPT	-5,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM159**	**MS518**	2.5
Links																	
A16RNVQBL11	16	20,00	11,0	200	-	-	-	1/8-27 NPT	-5,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	2,5
A20SNVQBL11	20	25,00	13,0	250	-	-	-	1/8-27 NPT	-5,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	2,5
A25TNVQBL11	25	32,00	17,0	300	-	-	-	1/4-18 NPT	-5,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	2,5
Rechts																	
A32SNVQCR16	32	40,00	22,0	250	-	-	-	1/4-18 NPT	-2,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4
A40TNVQCR16	40	50,00	27,0	300	-	-	-	1/4-18 NPT	-2,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4
A50UNVQCR16	50	63,00	35,0	350	-	-	-	1/4-18 NPT	-2,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM113**	**MS412**	4
Links																	
A32SNVQCL16	32	40,00	22,0	250	-	-	-	1/4-18 NPT	-2,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM114**	**MS412**	4
A40TNVQCL16	40	50,00	27,0	300	-	-	-	1/4-18 NPT	-2,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM114**	**MS412**	4
A50UNVQCL16	50	63,00	35,0	350	-	-	-	1/4-18 NPT	-2,0	0,0	**VC..160408**	**SM812**	**MS959**	-	**CM114**	**MS412**	4

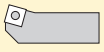
A-NVVB 72,5°



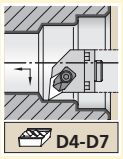


Stahlschaft mit Innenkühlung

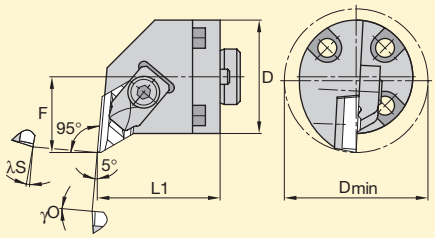
ISO-Katalognummer	D	Dmin	F	L1	L	L1A	A	CS	γF°	γP°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
Rechts																	
A25TNVVBR11	25	32,00	17,0	300	306,6	6,6	-	1/4-18 NPT	-5,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM159**	**MS518**	2,5
Links																	
A25TNVVBL11	25	32,00	17,0	300	306,6	6,6	-	1/4-18 NPT	-5,0	0,0	**VB..110304**	**SM813**	**MS959**	-	**CM158**	**MS518**	2,5

Bestellbeispiel:
Rechts: **A16RNVQBR11** 
Links: **A16RNVQBL11** 

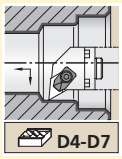
H-NKLC 95°



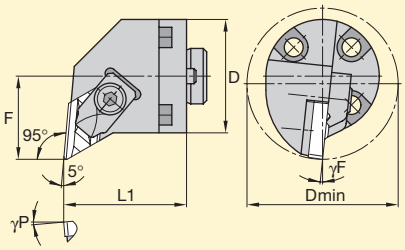
Mit Innenkühlung



H-NKLN 95°



Mit Innenkühlung



ISO-Katalognummer	D	Dmin	F	L1	λS°	γF°	γP°	γO°	Wende-schneid-platte	Unter-lage	Schraube für Unter-lage	Hex (mm)	Spann-element	Schraube für Spann-element	Hex (mm)
Rechts															
H25NKLCR11	25	32	17	41	-5,0	-	-	0,0	**KC..110305L**	**SM886**	**MS959**	-	**CM68**	**MS524**	3
Links															
H25NKLCL11	25	32	17	41	-5,0	-	-	0,0	**KC..110305R**	**SM885**	**MS959**	-	**CM68**	**MS524**	3
Rechts															
H32NKLNR15	32	40	22	41	-	-6,0	-5,0	-	**KN..150410L**	**SM871**	**MS111**	2	**CM66**	**MS624**	4
H40NKLNR15	40	50	27	41	-	-3,0	-5,0	-	**KN..150410L**	**SM871**	**MS111**	2	**CM66**	**MS625**	4
Links															
H32NKLNL15	32	40	22	41	-	-6,0	-5,0	-	**KN..150410R**	**SM872**	**MS111**	2	**CM66**	**MS624**	4
H40NKLNL15	40	50	27	41	-	-3,0	-5,0	-	**KN..150410R**	**SM872**	**MS111**	2	**CM66**	**MS625**	4

Bestellbeispiel:
Rechts: **H25NKLCR11**



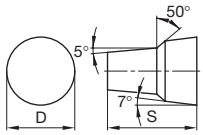
Links: **H25NKLCL11**



Positive Profildreh-Wendeschneidplatten

	ISO-Katalognummer	KENNA PERFECT P KT315	P KC5010	P KC8050	M KT315	M KC5010	M KC5025	M KC9225	K KT315	K KC5010	K KC8050	N K313	N KC5410	S K313	S KC5010	S KC5025	S KC9225
RCGK-FS 	RCGK040300FS		●			●	●	●		●		●		●	●	●	●
	RCGK060400FS		●			●	●	●		●		●		●	●	●	●
	RCGK090700FS		●			●	●	●		●		●		●	●	●	●
	RCGK120800FS		●			●	●	●		●		●		●	●	●	●
RCGK-HP 	RCGK040300HP	●	●	●	●	●			●	●	●	●	●	●	●		
	RCGK060400HP	●	●	●	●	●			●	●	●	●	●	●	●		
	RCGK090700HP	●	●	●	●	●			●	●	●	●	●	●	●		
	RCGK120800HP	●	●	●	●	●			●	●	●	●	●	●	●		
RCMK 	RCMK040300	●	●	●	●	●			●	●	●	●		●	●		
	RCMK060400	●	●	●	●	●			●	●	●	●		●	●		
	RCMK090700	●	●	●	●	●			●	●	●	●		●	●		
	RCMK120800	●	●	●	●	●			●	●	●	●		●	●		

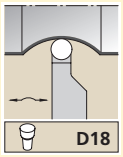
RC...

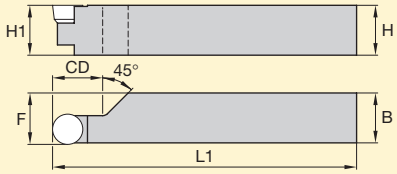


ISO-Katalognummer	ANSI-Katalognummer	Abmessungen D Zoll	Abmessungen D mm	Abmessungen S Zoll	Abmessungen S mm	
RCGK040300FS	RCGK152FS	3/16	4,76	.251	6,38	RCGK-FS
RCGK060400FS	RCGK23FS	1/4	6,35	.358	9,09	
RCGK090700FS	RCGK35FS	3/8	9,53	.521	13,23	
RCGK120800FS	RCGK46FS	1/2	12,70	.654	16,61	
RCGK040300HP	RCGK152HP	3/16	4,76	.251	6,38	RCGK-HP
RCGK060400HP	RCGK23HP	1/4	6,35	.358	9,09	
RCGK090700HP	RCGK35HP	3/8	9,53	.521	13,23	
RCGK120800HP	RCGK46HP	1/2	12,70	.654	16,61	
RCMK040300	RCMK152	3/16	4,76	.251	6,38	RCMK
RCMK060400	RCMK23	1/4	6,35	.358	9,09	
RCMK090700	RCMK35	3/8	9,53	.521	13,23	
RCMK120800	RCMK46	1/2	12,70	.654	16,61	

Bestellbeispiel:
ISO-Katalognummer **RCGK040300FS**
Schneidstoffsorte: **KC5010**

TRAO





ISO-Katalognummer Rechts/Links	H = H1	B	F	L1	CD	Wende- schneid- platte
TRAO R/L 2525M04	25	25	25,4	150	20	**RC..040300**
TRAO R/L 2525M06	25	25	25,5	150	20	**RC..060400**
TRAO R/L 3225P06	32	25	25,5	170	20	**RC..060400**
TRAO R/L 2525M09	25	25	25,8	150	25	**RC..090700**
TRAO R/L 3225P09	32	25	25,8	170	25	**RC..090700**
TRAO R/L 4040R09	40	40	40,8	200	25	**RC..090700**
TRAO R/L 2525M12	25	25	26,0	150	25	**RC..120800**
TRAO R/L 3225P12	32	25	26,0	170	25	**RC..120800**
TRAO R/L 3232P12	32	32	33,0	170	25	**RC..120800**
TRAO R/L 4040R12	40	40	41,0	200	25	**RC..120800**

Bestellbeispiel:
Rechts: **TRAOR2525M04**



Links: **TRAOL2525M04**



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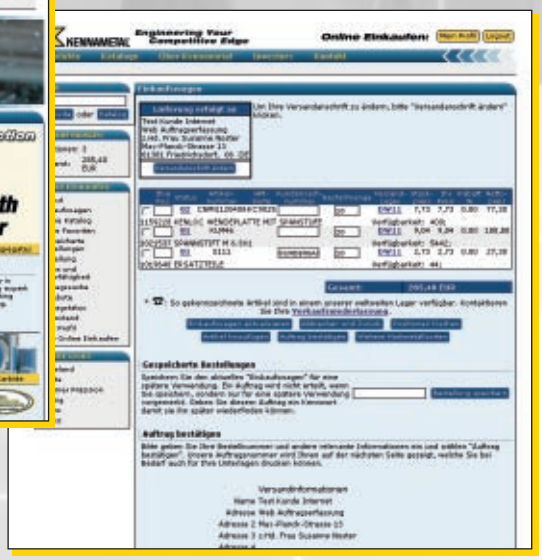
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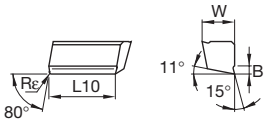
- schnelle Auftragserfassung
- sofortige Information über Preise und Verfügbarkeit
- Auftragsverfolgung von der Erfassung bis zur Auslieferung der Ware
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Weitere Informationen unter:
Tel. +49 (0) 6172 / 737-0
email: friedrichsdorf.service@kennametal.com

	ISO-Katalognummer	K68	KC720
BPGF 	**Rechts**		
	BPGF030201R14	●	●
	BPGF030202R14	●	●
	BPGF050301R12	●	●
	BPGF050302R12	●	●
	BPGF050304R16	●	●
	BPGF080402R18	●	●
	BPGF080404R22		●
	Links		
	BPGF030201L14	●	●
	BPGF030202L14	●	●
	BPGF050301L12	●	●
	BPGF050302L12	●	●
	BPGF050304L16	●	●
	BPGF080402L18	●	●
	BPGF080404L22	●	●

BPGF..



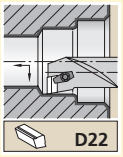
ISO -Katalognummer	ANSI-Katalognummer	Abmessungen L10 Zoll	L10 mm	W Zoll	W mm	Rε Zoll	Rε mm	B Zoll	B mm
Rechts									
BPGF030201R14	**BPGF030201R**	.118	3,00	.079	2,00	.002	0,05	.055	1,40
BPGF030202R14	**BPGF030202R**	.118	3,00	.079	2,00	.008	0,20	.055	1,40
BPGF050301R12	**BPGF050301R**	.177	4,50	.098	2,50	.002	0,05	.047	1,12
BPGF050302R12	**BPGF050302R**	.177	4,50	.098	2,50	.008	0,20	.047	1,12
BPGF050304R16	**BPGF050304R**	.177	4,50	.098	2,50	.016	0,40	.063	1,60
BPGF080402R18	**BPGF080402R**	.315	8,00	.157	4,00	.008	0,20	.071	1,80
BPGF080404R22	**BPGF080404R**	.315	8,00	.157	4,00	.016	0,40	.087	2,20
Links									
BPGF030201L14	**BPGF030201L**	.118	3,00	.079	2,00	.002	0,05	.055	1,40
BPGF030202L14	**BPGF030202L**	.118	3,00	.079	2,00	.008	0,20	.055	1,40
BPGF050301L12	**BPGF050301L**	.177	4,50	.098	2,50	.002	0,05	.047	1,12
BPGF050302L12	**BPGF050302L**	.177	4,50	.098	2,50	.008	0,20	.047	1,12
BPGF050304L16	**BPGF050304L**	.177	4,50	.098	2,50	.016	0,40	.063	1,60
BPGF080402L18	**BPGF080402L**	.315	8,00	.157	4,00	.008	0,20	.071	1,80
BPGF080404L22	**BPGF080404L**	.315	8,00	.157	4,00	.016	0,40	.087	2,20

BPGF

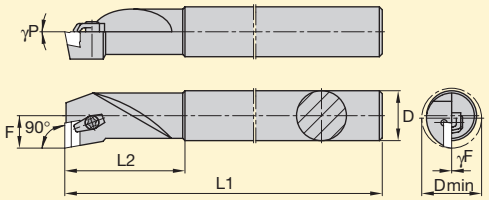


Bestellbeispiel:
ISO-Katalognummer: **BPGF030201R14**
Schneidstoffsorte: : **K68**

S-CBFP 90°

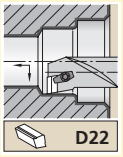


Stahlschaft ohne Innenkühlung

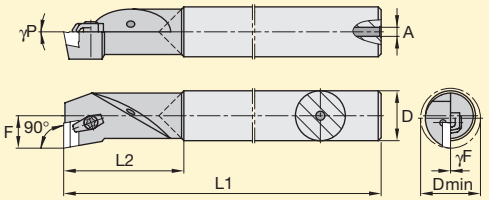


ISO-Katalognummer	D	Dmin	F	L1	L2	A	γF°	γP°	Wende-schneid-platte	Spann-element komplett	Torx
Rechts											
S06DCBFPR03	6	6	3,3	60	16,0	-	0,0	0,0	**BP..030202L**	**E1031**	T6
S06DCBFPR05	6	8	4,5	60	16,0	-	0,0	0,0	**BP..050302L**	**E1014**	T8
S08FCBFPR05	8	10	5,5	80	20,0	-	0,0	0,0	**BP..050302L**	**E1014**	T8
S10HCBFPR05	10	12	6,5	100	24,0	-	0,0	0,0	**BP..050302L**	**E1014**	T8
S12KCBFPR08	12	15	8,5	125	30,0	-	0,0	0,0	**BP..080404L**	**E1010**	T8
Links											
S06DCBFPL03	6	6	3,3	60	16,0	-	0,0	0,0	**BP..030202R**	**E1031**	T6
S06DCBFPL05	6	8	4,5	60	16,0	-	0,0	0,0	**BP..050302R**	**E1014**	T8
S08FCBFPL05	8	10	5,5	80	20,0	-	0,0	0,0	**BP..050302R**	**E1014**	T8
S10HCBFPL05	10	12	6,5	100	24,0	-	0,0	0,0	**BP..050302R**	**E1014**	T8
S12KCBFPL08	12	15	8,5	125	30,0	-	0,0	0,0	**BP..080404R**	**E1010**	T8

E-CBFP 90°



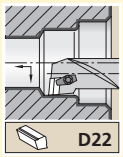
Hartmetallschaft mit Innenkühlung



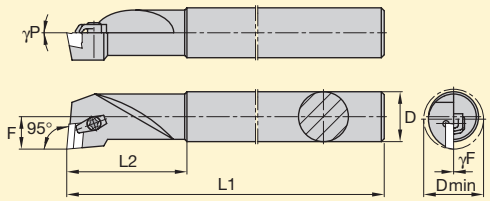
ISO-Katalognummer	D	Dmin	F	L1	L2	A	γF°	γP°	Wende-schneid-platte	Spann-element komplett	Torx
Rechts											
E06HCBFPR03	6	6	3,3	100	16,0	1,0	0,0	0,0	**BP..030202L**	**E1031**	T6
E06HCBFPR05	6	8	4,5	100	16,0	1,0	0,0	0,0	**BP..050304L**	**E1014**	T8
E08KCBFPR05	8	10	5,5	125	20,0	2,0	0,0	0,0	**BP..050304L**	**E1014**	T8
E10MCBFPR05	10	12	6,5	150	24,0	2,0	0,0	0,0	**BP..050304L**	**E1014**	T8
E12QCBFPR08	12	15	8,5	180	30,0	3,0	0,0	0,0	**BP..080404L**	**E1010**	T8
Links											
E06HCBFPL03	6	6	3,3	100	30,0	1,0	0,0	0,0	**BP..030202R**	**E1031**	T6
E06HCBFPL05	6	8	4,5	100	30,0	1,0	0,0	0,0	**BP..050304R**	**E1014**	T8
E08KCBFPL05	8	10	5,5	125	20,0	2,0	0,0	0,0	**BP..050304R**	**E1014**	T8
E10MCBFPL05	10	12	6,5	150	24,0	2,0	0,0	0,0	**BP..050304R**	**E1014**	T8
E12QCBFPL08	12	15	8,5	180	30,0	3,0	0,0	0,0	**BP..080404R**	**E1010**	T8

Bestellbeispiel:
Rechts: **S06DCBFPR03** 
Links: **S06DCBFPL03** 

S-CBLP 90°

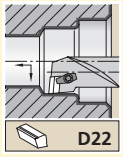


Stahlschaft ohne Innenkühlung

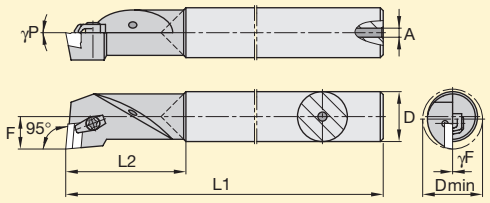


ISO-Katalognummer	D	Dmin	F	L1	L2	A	γF°	γP°	Wende-schneid-platte	Spann-element komplett	Torx
Rechts											
S06DCBLPR03	6	6	3,3	60	16,0	-	0,0	0,0	**BP.030202L**	**E1031**	T6
S06DCBLPR05	6	8	4,5	60	16,0	-	0,0	0,0	**BP.050302L**	**E1014**	T8
S08FCBLPR05	8	10	5,5	80	20,0	-	0,0	0,0	**BP.050302L**	**E1014**	T8
S10HCBLPR05	10	12	6,5	100	24,0	-	0,0	0,0	**BP.050302L**	**E1014**	T8
S12KCBLPR08	12	15	8,5	125	30,0	-	0,0	0,0	**BP.080404L**	**E1010**	T8
S16MCBLPR08	16	20	11,0	150	35,0	-	0,0	0,0	**BP.080404L**	**E1010**	T8
S20QCBLPR08	20	25	13,0	180	-	-	0,0	0,0	**BP.080404L**	**E1010**	T8
Links											
S06DCBLPL03	6	6	3,3	60	16,0	-	0,0	0,0	**BP.030202R**	**E1031**	T6
S06DCBLPL05	6	8	4,5	60	16,0	-	0,0	0,0	**BP.050302R**	**E1014**	T8
S08FCBLPL05	8	10	5,5	80	20,0	-	0,0	0,0	**BP.050302R**	**E1014**	T8
S10HCBLPL05	10	12	6,5	100	24,0	-	0,0	0,0	**BP.050302R**	**E1014**	T8
S12KCBLPL08	12	15	8,5	125	30,0	-	0,0	0,0	**BP.080404R**	**E1010**	T8
S16MCBLPL08	16	20	11,0	150	35,0	-	0,0	0,0	**BP.080404R**	**E1010**	T8
S20QCBLPL08	20	25	13,0	180	-	-	0,0	0,0	**BP.080404R**	**E1010**	T8

E-CBLP 90°



Hartmetallschaft mit Innenkühlung



ISO-Katalognummer	D	Dmin	F	L1	L2	A	γF°	γP°	Wende-schneid-platte	Spann-element komplett	Torx
Rechts											
E06HCBLPR03	6	6	3,3	100	16,0	1,0	0,0	0,0	**BP.030202L**	**E1031**	T6
E06HCBLPR05	6	8	4,5	100	16,0	1,0	0,0	0,0	**BP.050304L**	**E1014**	T8
E08KCBLPR05	8	10	5,5	125	20,0	2,0	0,0	0,0	**BP.050304L**	**E1014**	T8
E10MCBLPR05	10	12	6,5	150	24,0	2,0	0,0	0,0	**BP.050304L**	**E1014**	T8
E12QCBLPR08	12	15	8,5	180	30,0	3,0	0,0	0,0	**BP.080404L**	**E1010**	T8
Links											
E06HCBLPL03	6	6	3,3	100	30,0	1,0	0,0	0,0	**BP.030202R**	**E1031**	T6
E06HCBLPL05	6	8	4,5	100	30,0	1,0	0,0	0,0	**BP.050304R**	**E1014**	T8
E08KCBLPL05	8	10	5,5	125	20,0	2,0	0,0	0,0	**BP.050304R**	**E1014**	T8
E10MCBLPL05	10	12	6,5	150	24,0	2,0	0,0	0,0	**BP.050304R**	**E1014**	T8
E12QCBLPL08	12	15	8,5	180	30,0	3,0	0,0	0,0	**BP.080404R**	**E1010**	T8

Bestellbeispiel:
Rechts: **S06DCBLPR03**

Links: **S06DCBLPL03**

Engineering Your Competitive Edge®

Klassische Kennametal-Produkte – bewährte Hochleistungswerkzeuge



Klassische Produkte und Anhang

Klassische Kennametal-Produkte **E2**

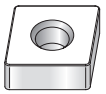
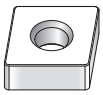
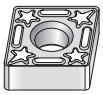
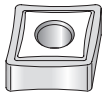
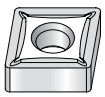
KENLOC Wendeschneidplatten E2
KENDEX Wendeschneidplatten E18
SCREW-ON Wendeschneidplatten E22
Anwendungsspezifische Wendeschneidplatten E31
TOP NOTCH Profiling E32
K-LOCK E33
Einstech-/Abstechplatten E33
KENDEX Einstechen E39
SEPARATOR E40
Gewindeschneidplatten E41
LT E41
TOP NOTCH E43

Anhang **E48**

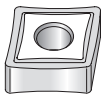
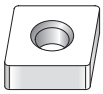
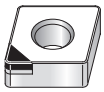
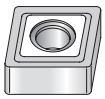
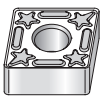
Schlüssel E48
Empfohlene Anzugsmomente E50
Werkstoff-Vergleichstabelle E54

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC9045	KC910	KC9120	KC935	KC950	KT125	KT150	K060	K090	KY2000	KD050	KD081
CNGA   KD050 KD081	CNGA120408 CNGA120408S01020	CNGA432 CNGA432S0420																	●	● ●	● ●
CNGA-SM 	CNGA120404S01020M CNGA120408S01020M CNGA120412S01020M	CNGA431S0420M CNGA432S0420M CNGA433S0420M																		● ● ●	 ● ●
CNGA-T 	CNGA120408T02020 CNGA120412T02020 CNGA120416T02020	CNGA432T0820 CNGA433T0820 CNGA434T0820															●	● ● ●			
	CNGA160612T02020 CNGA160616T02020 CNGA190608T02020	CNGA543T0820 CNGA544T0820 CNGA642T0820																● ● ●			
	CNGA190612T02020 CNGA190616T02020	CNGA643T0820 CNGA644T0820																● ●			
CNGG-LF 	CNGG120402LF CNGG120401LF CNGG120404LF	CNGG4305LF CNGG430LF CNGG431LF		● ● ●																	
	CNGG120408LF CNGG120412LF	CNGG432LF CNGG433LF		● ●																	
	CNGG160612LF	CNGG543LF		●																	
CNGP 	CNGP120401 CNGP120402 CNGP120404	CNGP430 CNGP4305 CNGP431		● ● ●	 ● ●																
	CNGP120408 CNGP120412 CNGP120416	CNGP432 CNGP433 CNGP434		● ● ●	● ● ●																
CNGP-K 	CNGP120408K CNGP160608K	CNGP432K CNGP542K		● ●																	

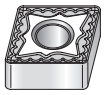
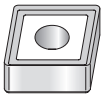
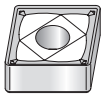
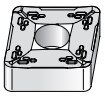
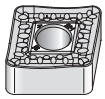
Bestellbeispiel:
ISO-Katalognummer: CNGA120408
Schneidstoffsorte: KY2000

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC9045	KC910	KC9120	KC935	KC950	KT125	KT150	K060	K090	KY2000	KD050	KD081
CNGP-R/L 	CNGP120408L	CNGP432L														●					
CNMA 	CNMA120404	CNMA431									●										
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	CNMA190616	CNMA644																			
CNMA-SM 	CNMA120404S01020M	CNMA431S0420M																		●	
	CNMA120408S01020M	CNMA432S0420M																		●	
CNMG 	CNMG120404	CNMG120404					●				●										
	CNMG431	CNMG431					●						●								
	CNMG432	CNMG432	●	●		●	●	●	●	●	●	●	●	●							
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	CNMG434	CNMG434					●	●	●				●								
	CNMG542	CNMG542					●														
	CNMG543	CNMG543					●		●		●	●	●	●							
	CNMG544	CNMG544					●		●												
	CNMG642	CNMG642					●				●			●							
	CNMG643	CNMG643		●			●		●		●	●	●	●							
	CNMG644	CNMG644					●	●	●	●	●										
	CNMG866	CNMG866					●														
CNMG-K 	CNMG120404K	CNMG431K				●	●						●								
	CNMG120408K	CNMG432K					●						●	●							
CNMG-LF 	CNMG120404LF	CNMG431LF		●					●				●								
	CNMG120408LF	CNMG432LF		●				●	●				●								
	CNMG120412LF	CNMG433LF						●	●				●								

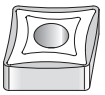
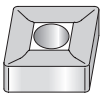
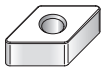
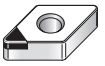
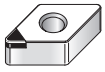
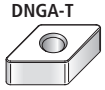
Bestellbeispiel:
ISO-Katalognummer: CNGP120408L
Schneidstoffsorte: KT150

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC9045	KC910	KC9120	KC935	KC950	KT125	KT150	K060	K090	KY2000	KD050	KD081
CNMG-MG 	CNMG120404MG	CNMG431MG					●		●				●								
	CNMG120408MG	CNMG432MG		●			●	●	●	●	●	●	●								
	CNMG120412MG	CNMG433MG					●	●	●			●	●								
	CNMG120416MG	CNMG434MG							●			●									
	CNMG160612MG	CNMG543MG					●		●			●	●								
	CNMG160616MG	CNMG544MG							●												
	CNMG190608MG	CNMG642MG						●					●								
	CNMG190612MG	CNMG643MG					●		●				●								
CNMG-P 	CNMG120404P	CNMG431P		●			●						●								
	CNMG120408P	CNMG432P	●	●			●	●	●	●			●	●							
	CNMG120412P	CNMG433P					●		●				●								
	CNMG120416P	CNMG434P							●												
	CNMG160612P	CNMG543P					●														
	CNMG190612P	CNMG643P					●		●				●	●							
CNMM 	CNMM120408	CNMM432					●														
CNMM-M 	CNMM120408M	CNMM432M					●														
	CNMM120412M	CNMM433M												●							
	CNMM190612M	CNMM643M					●							●							
CNMM-MR 	CNMM120408MR	CNMM432MR					●		●	●			●								
	CNMM120412MR	CNMM433MR					●		●				●								
	CNMM120416MR	CNMM434MR							●												
	CNMM160612MR	CNMM543MR					●		●				●								
	CNMM160616MR	CNMM544MR											●								
	CNMM190612MR	CNMM643MR					●		●	●			●								
	CNMM190616MR	CNMM644MR							●	●			●								
	CNMM190624MR	CNMM646MR							●												
CNMM-P 	CNMM120408P	CNMM432P					●														
	CNMM120412P	CNMM433P					●														
	CNMM190616P	CNMM644P					●														
CNMM-RM 	CNMM160616RM	CNMM544RM						●	●												
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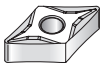
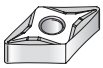
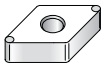
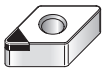
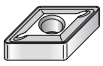
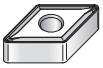
Bestellbeispiel:
ISO-Katalognummer: CNMG120404MG
Schneidstoffsorte: KC850

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC9045	KC910	KC9120	KC935	KC950	KT125	KT150	K060	K090	KY2000	KD050	KD081
CNMP	CNMP120404	CNMP431		●		●	●		●		●		●	●							
	CNMP120408	CNMP432		●		●	●	●	●		●	●	●	●							
	CNMP120412	CNMP433		●			●														
	CNMP160608	CNMP542					●						●								
	CNMP160612	CNMP543					●						●								
	CNMP190608	CNMP642					●				●		●								
	CNMP190612	CNMP643		●			●						●	●							
CNMP-K	CNMP120404K	CNMP431K					●						●								
	CNMP120408K	CNMP432K				●	●	●	●				●	●							
	CNMP190612K	CNMP643K					●														
CNMS	CNMS120408	CNMS432		●			●		●				●								
	CNMS190608	CNMS642		●			●														
	CNMS190612	CNMS643		●			●														
CNMX	CNMX120408	CNMX120408					●														
																					
DNGA	DNGA150408	DNGA432									●			●							
	DNGA150408S01020	DNGA432S0420																		●	
																					
DNGA-SM	DNGA150408S01020M	DNGA432S0420M																		●	
	DNGA150608S01020M	DNGA442S0420M																		●	●
DNGA-T	DNGA150412T02020	DNGA433T0820																●			
	DNGA150416T02020	DNGA434T0820																●			
	DNGA150608T02020	DNGA442T0820																●			
	DNGA150612T02020	DNGA443T0820																●			
	DNGA190612T	DNGA543T																●			

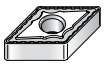
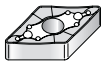
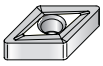
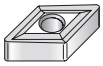
Bestellbeispiel:
ISO-Katalognummer: CNMP120404
Schneidstoffsorte: KC730

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC9045	KC910	KC9120	KC935	KC950	KT125	KT150	K060	K090	KY2000	KD050	KD081
DNGG-LF 	DNGG150402LF	DNGG4305LF		●	●																
	DNGG150404LF	DNGG431LF		●	●																
	DNGG150408LF	DNGG432LF		●	●																
	DNGG150412LF	DNGG433LF		●																	
DNGP 	DNGP150401	DNGP430		●																	
	DNGP150402	DNGP4305		●																	
	DNGP150404	DNGP431		●	●																
	DNGP150408	DNGP432		●																	
DNGP-K 	DNGP150404K	DNGP431K		●	●																
	DNGP150408K	DNGP432K		●	●																
	DNGP150412K	DNGP433K		●																	
DNGZ 	DNGZ150404	DNGZ431														●					
DNMA-SM 	DNMA150404S01020M	DNMA431S0420M																		●	
	DNMA150408S01020M	DNMA432S0420M																		●	
DNMG 	DNMG150408	DNMG150408					●														
	DNMG150608	DNMG150608					●				●										
	DNMG150612	DNMG150612					●														
	DNMG150404B	DNMG431					●						●								
	DNMG150408B	DNMG432		●		●	●	●	●		●	●	●	●							
	DNMG150412B	DNMG433					●														
	DNMG150604B	DNMG441					●				●										
	DNMG150608B	DNMG442									●										
	DNMG190608B	DNMG542					●														
	DNMG190612	DNMG543					●						●								
DNMG-K 	DNMG150404K	DNMG431K	●			●															
	DNMG150408K	DNMG432K				●						●	●								
	DNMG150604K	DNMG441K				●															
	DNMG150608K	DNMG442K				●							●								
	DNMG150612K	DNMG443K											●								
	DNMG190608K	DNMG542K											●								

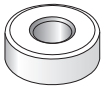
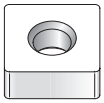
Bestellbeispiel:
ISO-Katalognummer: DNGG150402LF
Schneidstoffsorte: KC730

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC9045	KC910	KC9120	KC935	KC950	KT125	KT150	K060	K090	KY2000	KD050	KD081
DNMG-LF 	DNMG150404LF	DNMG431LF		●																	
	DNMG150408LF	DNMG432LF						●	●				●								
DNMG-MG 	DNMG150408MG	DNMG432MG					●	●	●	●		●	●								
	DNMG150608MG	DNMG442MG					●		●				●								
	DNMG150612MG	DNMG443MG							●				●								
	DNMG150616MG	DNMG444MG							●				●								
DNMG-P 	DNMG150404P	DNMG431P		●									●								
	DNMG150408P	DNMG432P		●			●						●								
	DNMG150604P	DNMG441P					●														
	DNMG150608P	DNMG442P					●						●								
DNMM-MR 	DNMM150612MR	DNMM443MR							●												
DNMP 	DNMP150404	DNMP431		●		●	●						●								
	DNMP150408	DNMP432		●		●	●		●												
	DNMP150612	DNMP443					●														
DNMP-K 	DNMP110404K	DNMP331K					●														
	DNMP110408K	DNMP332K		●									●								
	DNMP150404K	DNMP431K							●				●								
	DNMP150408K	DNMP432K					●	●	●				●	●							
	DNMP150412K	DNMP433K							●				●								
	DNMP150604K	DNMP441K				●															
	DNMP150608K	DNMP442K					●						●								
	DNMP190612K	DNMP543K												●							
DNMS 	DNMS150408	DNMS432		●		●	●														
	DNMS190608	DNMS542					●														

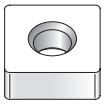
Bestellbeispiel:
ISO-Katalognummer: DNMG150404LF
Schneidstoffsorte: KC730

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC9045	KC910	KC9120	KC935	KC950	KT125	KT150	K060	K090	KY2000	KD050	KD081
RCMA-T 	RCMA251200T	RCMA88T																●			
RNGA-T 	RNGA120400T02020	RNGA43T0820																●			
RNMA-T 	RNMA190600T	RNMA64T					●														
RNMG 	RNMG120400 RNMG190600 RNMG250900	RNMG43 RNMG64 RNMG86					● ●							● ●							
SNGA-T 	SNGA120408T02020 SNGA120412T02020	SNGA432T0820 SNGA433T0820																● ●			
SNGG-LF 	SNGG090308LF SNGG120408LF	SNGG322LF SNGG432LF		● 	 ●																
SNGP 	SNGP120408	SNGP432		●	●																
SNGP-K 	SNGP150612K	SNGP543K		●																	

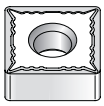
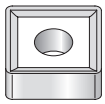
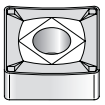
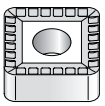
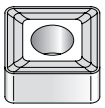
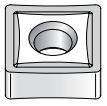
Bestellbeispiel:
ISO-Katalognummer: RCMA251200T
Schneidstoffsorte: K090

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC9045	KC910	KC9120	KC935	KC950	KT125	KT150	K060	K090	KY2000	KD050	KD081
SNMA 	SNMA090308	SNMA322					●				●										
	SNMA120408	SNMA432									●	●									
	SNMA120412	SNMA433										●									
	SNMA150612	SNMA543					●														
SNMA-T 	SNMA190616T	SNMA644T									●										
SNMG 	SNMG190616	SNMG190616					●														
	SNMG090308B	SNMG322					●						●								
	SNMG090312B	SNMG323					●														
	SNMG090412B	SNMG333					●						●								
	SNMG120408	SNMG432		●			●		●		●	●	●	●							
	SNMG120412	SNMG433					●	●				●	●	●							
	SNMG120416B	SNMG434					●														
	SNMG140416B	SNMG4534					●														
	SNMG150612	SNMG543					●		●			●									
	SNMG150616B	SNMG544					●		●				●								
	SNMG170616B	SNMG5544					●														
	SNMG190612	SNMG643					●						●	●							
	SNMG190616B	SNMG644					●				●			●							
	SNMG250724	SNMG856					●														
	SNMG250924	SNMG866					●														
SNMG-K 	SNMG090308K	SNMG322K		●			●														
	SNMG120408K	SNMG432K					●														
	SNMG150612K	SNMG543K					●														
SNMG-MG 	SNMG120408MG	SNMG432MG					●		●				●								
	SNMG120412MG	SNMG433MG								●		●	●								
	SNMG120416MG	SNMG434MG						●					●								
	SNMG190612MG	SNMG643MG					●						●								
SNMG-P 	SNMG120408P	SNMG432P		●			●														
	SNMG120412P	SNMG433P					●														

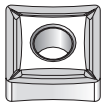
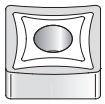
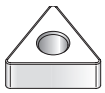
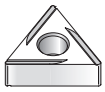
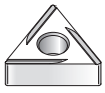
Bestellbeispiel:
ISO-Katalognummer: SNMA090308
Schneidstoffsorte: KC850

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC9045	KC910	KC9120	KC935	KC950	KT125	KT150	K060	K090	KY2000	KD050	KD081
SNMG-UF 	SNMG090308UF	SNMG322UF													●						
	SNMG120408UF	SNMG432UF	●																		
SNMM 	SNMM120408	SNMM432				●															
	SNMM120408P	SNMM432P					●														
	SNMM190616	SNMM644					●														
SNMM-M 	SNMM190616M	SNMM644M					●														
SNMM-MR 	SNMM150612MR	SNMM543MR								●											
	SNMM190612MR	SNMM643MR							●												
	SNMM190616MR	SNMM644MR							●	●											
	SNMM250924MR	SNMM866MR							●	●											
SNMM-ND 	SNMM190616ND	SNMM644ND					●														
SNMM-SP 	SNMM250724SP	SNMM250724SP					●														
SNMP 	SNMP120404	SNMP431									●										
	SNMP120408	SNMP432					●														
	SNMP120412	SNMP433				●															
	SNMP120424	SNMP436				●															
	SNMP150608	SNMP542					●														
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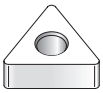
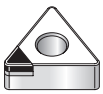
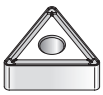
Bestellbeispiel:
ISO-Katalognummer: SNMG090308UF
Schneidstoffsorte: KT125

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC9045	KC910	KC9120	KC935	KC950	KT125	KT150	K060	K090	KY2000	KD050	KD081
SNMP-K 	SNMP120408K	SNMP432K				●	●														
	SNMP120412K	SNMP433K					●														
SNMS 	SNMS120408	SNMS432				●	●						●								
	SNMS190612	SNMS643				●	●														
TNGA-T 	TNGA160308T	TNGA322T																●			
	TNGA160408T02020	TNGA332T0820																●			
	TNGA160412T02020	TNGA333T0820																●			
	TNGA220408T02020	TNGA432T0820																●			
TNGG-LF 	TNGG160402LF	TNGG3305LF		●																	
	TNGG160404LF	TNGG331LF		●																	
	TNGG220408LF	TNGG432LF		●																	
TNGG-R/L 	TNGG160404R	TNGG331R																●			
TNGP 	TNGP160402	TNGP3305		●																	
	TNGP160404	TNGP331		●																	
	TNGP160408	TNGP332		●																	
TNGP-K 	TNGP160404K	TNGP331K		●																	
	TNGP160408K	TNGP332K		●																	
TNGP-R/L 	TNGP160404L	TNGP331L																●			
	TNGP160404R	TNGP331R																●			

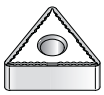
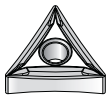
Bestellbeispiel:
ISO-Katalognummer: SNMP120408K
Schneidstoffsorte: KC810

KENLOC Wendeschneidplatten

Schneidstoffauswahl

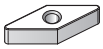
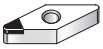
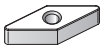
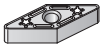
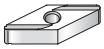
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TNMA 	TNMA160404	TNMA331									●										
	TNMA160408	TNMA331									●	●		●							
	TNMA160412	TNMA333						●			●	●									
	TNMA220408	TNMA432					●														
	TNMA270616	TNMA544		●			●					●									
TNMA-S 	TNMA220408S01020	TNMA432S0420																		●	
TNMA-SM 	TNMA160404S01020M	TNMA331S0420M																		●	
	TNMA160408S01020M	TNMA332S0420M																		●	
TNMG 	TNMG160408	TNMG160408					●				●										
	TNMG220404	TNMG220404					●														
	TNMG110308B	TNMG222					●														
	TNMG160304B	TNMG321					●														
	TNMG160308B	TNMG322					●														
	TNMG160404B	TNMG331					●														
	TNMG160408B	TNMG332		●			●		●		●	●	●								
	TNMG160412	TNMG333					●														
	TNMG220404B	TNMG431					●														
	TNMG220408	TNMG432		●		●	●		●	●	●	●	●								
	TNMG220412	TNMG433					●		●												
	TNMG220416	TNMG434				●	●					●									
	TNMG220424	TNMG436					●														
	TNMG220432	TNMG438					●	●				●									
	TNMG270608	TNMG542					●														
	TNMG270612	TNMG543					●														
	TNMG270616	TNMG544					●														
	TNMG330924	TNMG666					●														
TNMG-FW 	TNMG160408FW	TNMG332FW						●													
TNMG-K 	TNMG160408K	TNMG332K					●														
	TNMG220408K	TNMG432K					●														
	TNMG220412K	TNMG433K												●							

Bestellbeispiel:
ISO-Katalognummer: TNMA160404
Schneidstoffsorte: KC910

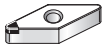
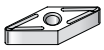
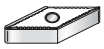
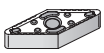
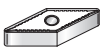
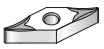
	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC9045	KC910	KC9120	KC935	KC950	KT125	KT150	K060	K090	KY2000	KD050	KD081
TNMG-LF 	TNMG160412LF	TNMG333LF							●												
TNMG-MG 	TNMG160408MG	TNMG332MG					●		●			●	●								
	TNMG220408MG	TNMG432MG					●		●				●								
	TNMG220412MG	TNMG433MG							●	●			●								
	TNMG270616MG	TNMG544MG							●												
TNMG-P 	TNMG160408P	TNMG332P		●			●		●												
	TNMG220404P	TNMG431P					●														
	TNMG220408P	TNMG432P		●			●		●												
TNMG-UF 	TNMG160408UF	TNMG332UF		●																	
	TNMG220408UF	TNMG432UF													●						
TNMM-MR 	TNMM220408MR	TNMM432MR					●														
	TNMM220416MR	TNMM434MR							●												
	TNMM330924MR	TNMM666MR							●												
TNMP 	TNMP160404	TNMP331					●														
	TNMP160408	TNMP332					●														
	TNMP220404	TNMP431					●						●								
	TNMP220408	TNMP432		●			●						●								
	TNMP220416	TNMP434					●														
	TNMP220432	TNMP438				●															
	TNMP270608	TNMP542					●														
	TNMP270612	TNMP543					●														
	TNMP270616	TNMP544					●														
TNMP-K 	TNMP160404K	TNMP331K				●	●														
	TNMP160408K	TNMP332K				●	●		●				●								
	TNMP220408K	TNMP432K					●							●							

Bestellbeispiel:
ISO-Katalognummer: TNMG160412LF
Schneidstoffsorte: KC9025

Schneidstoffauswahl

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC9045	KC910	KC9120	KC935	KC950	KT125	KT150	K060	K090	KY2000	KD050	KD081
TNMS 	TNMS160404	TNMS331					●														
	TNMS160408	TNMS332				●	●														
	TNMS220404	TNMS431					●														
	TNMS220408	TNMS432				●	●														
	TNMS220412	TNMS433					●														
VNGA 	VNGA160408	VNGA332					●														
VNGA-SM 	VNGA160404S01020M	VNGA331S0420M																		●	
VNGA-T 	VNGA160404T	VNGA331T																●			
	VNGA160408T02020	VNGA332T0820																●			
	VNGA160412T02020	VNGA333T0820																●			
	VNGA220408T02020	VNGA432T0820																●			
VNGG-LF 	VNGG160402LF	VNGG3305LF		●	●																
	VNGG160404LF	VNGG331LF		●																	
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VNGP 	VNGP160401	VNGP330		●																	
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	VNGP220404	VNGP431		●			●														
	VNGP220408	VNGP432		●			●						●								
VNGP-K 	VNGP160404K	VNGP331K		●	●																
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VNGP-R/L 	VNGP160404R	VNGP331R														●					

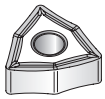
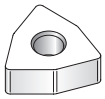
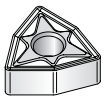
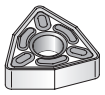
Bestellbeispiel:
ISO -Katalognummer: TNMS160404
Schneidstoffsorte: KC850

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VNMA-SM 	VNMA160404S01020M VNMA160408S01020M	VNMA331S0420M VNMA332S0420M																		● ●	
VNMG 	VNMG160408 VNMG160412 VNMG220408 VNMG220412	VNMG332 VNMG333 VNMG432 VNMG433		● 		● 	● ● ●	 	● ● ● ●	 	● ● 	 	● ● 	● ● ● 	 	 	 	 	 	 	
VNMG-LF 	VNMG160408LF VNMG220404LF VNMG220408LF	VNMG332LF VNMG431LF VNMG432LF							● ● ●				● ●								
VNMG-P 	VNMG160404P VNMG160408P VNMG160412P	VNMG331P VNMG332P VNMG333P		● ●			● ●		●		 ● ●		● ●								
VNMG-UF 	VNMG160404UF	VNMG331UF		●									●								
VNMP 	VNMP160404 VNMP160408	VNMP331 VNMP332				● ●	● ●		 ●				● ●	● ●							
VNMP-K 	VNMP160404K VNMP160408K	VNMP331K VNMP332K				● ●	● 	● ●	 ●				● ●								
VNMS 	VNMS160404 VNMS160408	VNMS331 VNMS332		●			● ●						●								

Bestellbeispiel:
ISO-Katalognummer: VNMA160404S01020M
Schneidstoffsorte: KD050

KENLOC Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC9045	KC910	KC9120	KC935	KC950	KT125	KT150	K060	K090	KY2000	KD050	KD081
WNGP-K 	WNGP080408K	WNGP432K		●																	
WNMA 	WNMA080408	WNMA432									●	●									
WNMG 	WNMG080408	WNMG432		●			●				●	●	●								
WNMG-LF 	WNMG080408LF	WNMG432LF		●								●	●								
WNMG-MG 	WNMG080408MG WNMG080412MG WNMG080416MG	WNMG432MG WNMG433MG WNMG434MG					●	● ● ●	● ●	●		●	● ● ●								
WNMG-P 	WNMG080408P	WNMG432P		●			●						●								

Bestellbeispiel:
ISO-Katalognummer: WNGP080408K
Schneidstoffsorte: KC730

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Fahrwerk



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(Bestell-Nr.: A04-43)

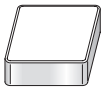
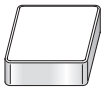
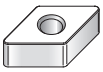
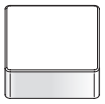
Weitere Informationen:

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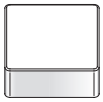
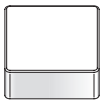
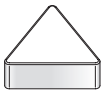
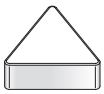
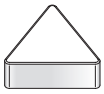
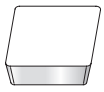
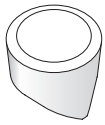
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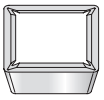
Schneidstoffauswahl

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC910	KC9120	KC935	KC950	KT125	KT150	K090	KY2000	KD050	KD200	KD230	KD240
CNGN 	CNGN120408T02020	CNG432T0820													●					
	CNGN120412T02020	CNG433T0820													●					
	CNGN120708T02020	CNG452T0820													●					
	CNGN120712T02020	CNG453T0820													●					
	CNMN090312T02020	CNG454T0820													●					
CNMN 	CNMN090308T02020	CNM322T0820																●		●
	CNMN090312T02020	CNM323T0820																●		
DNGA-T 	DNGA150408T	DNGA432T													●					
RNGN 	RNGN090300T02020	RNG32T0820													●					
	RNGN120300T02020	RNG42T0820													●				●	
	RNGN120400	RNG43					●									●				
	RNGN120400T02020	RNG43T0820													●	●				
	RNGN120700	RNG45														●				
	RNGN120700T02020	RNG45T0820													●					
	RNGN190700T02020	RNG65T0820													●					
RNMN 	RNMN090300	RNM32																		●
	RNMN090300T02020	RNM32T0820																●		●
	RNMN120300	RNM42																		●
	RNMN120300T02020	RNM42T0820																●		●
SNGN 	SNGN090308	SNG322										●								
	SNGN090308T02020	SNG322T0820													●				●	
	SNGN120408	SNG432													●					
	SNGN120408T02020	SNG432T0820							●											
	SNGN120412	SNG433													●					
	SNGN120412T02020	SNG433T0820													●					
	SNGN120416T02020	SNG434T0820													●					
	SNGN120432T02020	SNG438T0820													●					
	SNGN120712T02020	SNG453T0820													●					
	SNGN120716T02020	SNG454T0820													●	●				
	SNGN190412	SNG633					●													
	SNGN190432	SNG638				●														
	SNGN190616T02020	SNG644T0820													●	●				
	SNGN190724	SNG656														●				

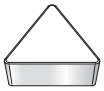
Bestellbeispiel:
ISO-Katalognummer: CNGN120408T02020
Schneidstoffsorte: K090

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC910	KC9120	KC935	KC950	KT125	KT150	K090	KY2000	KD050	KD200	KD230	KD240
SNMN 	SNMN090308	SNM322																		●
	SNMN120308T02020	SNM422T0820																		●
	SNMN120316T02020	SNM424T0820																		●
SNUN 	SNUN120408	SNU432					●													
	SNUN120412	SNU433		●			●		●											
	SNUN190412	SNU633				●	●													
	SNUN190416	SNU634					●													
TNGN 	TNGN110308	TNG222					●													
	TNGN160308	TNG322				●														
	TNGN160408T02020	TNG332T0820													●					
	TNGN160416T02020	TNG334T0820													●					
	TNGN220408T02020	TNG432T0820													●					
	TNGN220412T02020	TNG433T0820													●					
TNMN 	TNMN110308	TNM222																		●
	TNMN110308T02020	TNM222T0820																		●
TNUN 	TNUN160412	TNU333							●											
	TNUN270616	TNU544					●													
CPGN 	CPGN120304	CPG421		●			●													
	CPGN120308	CPG422		●	●		●		●											
CPGR-K 	CPGR120308K	CPGF422					●													
RCGV 	RCGV060400	RCGV23									●									
	RCGV090700	RCGV35		●	●											●				
	RCGV120700	RCGV45														●				

Bestellbeispiel:
ISO-Katalognummer: SNMN090308
Schneidstoffsorte: KD240

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC910	KC9120	KC935	KC950	KT125	KT150	K090	KY2000	KD050	KD200	KD230	KD240
RPGN 	RPGN090300T01020	RPG32T0420													●					
	RPGN120400	RPG43		●																
SPGN 	SPGN090308	SPG322		●		●	●		●	●										
	SPGN120304	SPG421		●			●		●											
	SPGN120308	SPG422	●	●	●	●	●			●										
	SPGN120312	SPG423		●			●		●											
	SPGN120316	SPG424					●													
	SPGN120408	SPG432			●															
	SPGN120412	SPG433		●			●													
	SPGN120412T01020	SPG433T0420													●					
	SPGN150408	SPG532		●																
	SPGN190402	SPG6305					●													
	SPGN190408	SPG632					●													
	SPGN190412	SPG633	●	●			●													
	SPGN190416	SPG634					●													
	SPGN190432	SPG638					●		●											
SPGR 	SPGR090304K	SPGF321				●														
	SPGR090308K	SPGF322				●	●							●						
	SPGR120308K	SPGF422					●													
SPMR 	SPMR090308	SPMR322				●	●													
	SPMR120304	SPMR421				●	●													
	SPMR120308	SPMR422					●													
	SPMR120312	SPMR423					●													
SPUN 	SPUN090308	SPU322							●											
	SPUN120308	SPU422					●		●											
	SPUN190412	PU633					●					●								
	SPUN190416	SPU634					●													
TPGN 	TPGN110304	TPG221		●			●		●									●		
	TPGN110304T	TPG221T												●						
	TPGN110304T01020	TPG221T0420													●					
	TPGN110308	TPG222		●		●	●		●											
	TPGN110308T01020	TPG222T0420													●					
	TPNG110312T01020	TPG223T0420													●					
KD050 	TPGN160302	TPG3205		●																
	TPGN160304	TPG321		●	●	●	●		●									●		
	TPGN160304T01020	TPG321T0420													●					
	TPGN160308	TPG322	●	●		●	●		●	●		●				●		●		
	TPGN160308T	TPG322T											●							
	TPGN160308T01020	TPG322T0420													●					
	TPGN160312	TPG323		●			●		●											
	TPGN160312T	TPG323T											●							
	TPGN160312T01020	TPG323T0420													●					

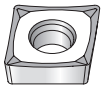
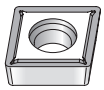
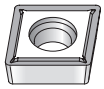
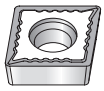
Bestellbeispiel:
ISO-Katalognummer: RPGN090300T01020
Schneidstoffsorte: K090

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC910	KC9120	KC935	KC950	KT125	KT150	K090	KY2000	KD050	KD200	KD230	KD240
TPGN	TPGN160316	TPG324		●			●		●											
	TPGN220404	TPG431		●		●	●													
	TPGN220408	TPG432	●	●		●	●		●	●		●								
	TPGN220408T01020	TPG432T0820													●					
	TPGN220412	TPG433		●			●		●											
	TPGN220416	TPG434		●			●													
	TPGN220432	TPG438					●													
	TPGN270608	TPG542				●	●													
	TPGN270612	TPG543					●													
	TPGN270616	TPG544					●													
TPGR	TPGR110304K	TPGF221					●													
	TPGR110308K	TPGF222												●						
	TPGR160304K	TPGF321					●							●						
	TPGR160308K	TPGF322				●	●	●	●			●		●						
	TPGR220404K	TPGF431					●													
	TPGR220408K	TPGF432					●													
TPGN-M	TPGN110304S01020M	TPG221S0420M															●			
	TPGN110308S01020M	TPG222S0420M															●			
	TPGN160304S01020M	TPG321S0420M															●			
	TPGN160308S01020M	TPG322S0420M															●			
TPMR	TPMR110304	TPMR221				●	●													
	TPMR110308	TPMR222				●	●													
	TPMR160304	TPMR321				●	●	●												
	TPMR160308	TPMR322					●	●												
	TPMR160312	TPMR323					●													
	TPMR220408	TPMR432		●		●														
	TPMR220412	TPMR433					●													
TPUN	TPUN110304	TPU221							●											
	TPUN110308	TPU222							●											
	TPUN160304	TPU321					●		●											
	TPUN160308	TPU322		●		●	●		●											
	TPUN160312	TPU323					●		●											
	TPUN220404	TPU431				●														
	TPUN220408	TPU432				●	●		●											
	TPUN220412	TPU433					●		●											

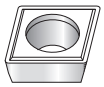
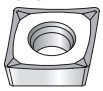
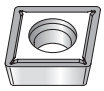
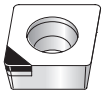
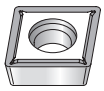
Bestellbeispiel:
ISO-Katalognummer: TPGN160316
Schneidstoffsorte: KC850

SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC910	KC9120	KC935	KC950	KT125	KT150	KT175	KD050	KD081
CCGT-HP 	CCGT060202HP	CCGT21505HP		●														
	CCGT060204HP	CCGT2151HP		●														
	CCGT09T302HP	CCGT32505HP		●														
	CCGT09T304HP	CCGT3251HP		●														
	CCGT120404HP	CCGT431HP		●														
	CCGT120408HP	CCGT432HP		●														
CCGT-LF 	CCGT060202LF	CCGT21505LF		●														
	CCGT060201LF	CCGT2150LF		●														
	CCGT060204LF	CCGT2151LF		●														
	CCGT09T302LF	CCGT32505LF		●														
	CCGT09T301LF	CCGT3250LF		●														
	CCGT09T304LF	CCGT3251LF		●														
	CCGT09T308LF	CCGT3252LF		●														
CCGW-M 	CCGW060202EM	CCGW21505EM															●	
	CCGW060204S01015M	CCGW2151S0415M															●	●
	CCGW09T304S01015M	CCGW3251S0415M															●	●
	CCGW09T308S01015M	CCGW3252S0415M															●	
CCMT-LF 	CCMT060202LF	CCMT21505LF		●		●	●		●	●		●						
	CCMT060204LF	CCMT2151LF	●	●		●	●			●		●						
	CCMT060208LF	CCMT2152LF		●			●					●						
	CCMT09T302LF	CCMT32505LF		●			●					●				●		
	CCMT09T304LF	CCMT3251LF	●	●		●	●			●	●	●						
	CCMT09T308LF	CCMT3252LF	●	●		●	●			●	●	●						
	CCMT120404LF	CCMT431LF	●	●			●					●						
	CCMT120408LF	CCMT432LF	●	●			●			●		●						
	CCMT120412LF	CCMT433LF					●											
CCMT-MF 	CCMT060204MF	CCMT2151MF		●								●						
	CCMT09T304MF	CCMT3251MF		●								●						
	CCMT09T308MF	CCMT3252MF		●								●						
CCMT-UF 	CCMT09T304UF	CCMT3251UF		●														
CDHB 	CDHBS4T000	CDHB120601		●														
	CDHBS4T002	CDHB120605		●								●						
	CDHBS4T004	CDHB12061		●								●						

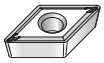
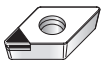
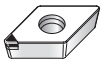
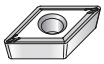
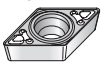
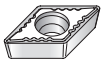
Bestellbeispiel:
ISO-Katalognummer: CCGT060202HP
Schneidstoffsorte: KC730

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC910	KC9120	KC935	KC950	KT125	KT150	KT175	KD050	KD081
CPGB 	CPGB09T308	CPGB3252															●	
CPGM 	CPGT060201K	CPGM2150		●			●											
	CPGT060202K	CPGM21505		●			●					●						
	CPGT060204K	CPGM2151	●	●		●	●	●	●	●		●	●		●			
	CPGT060208K	CPGM2152		●			●		●	●		●	●					
	CPGH09T301	CPGM3250	●	●														
	CPGH09T302	CPGM32505		●			●					●						
	CPGH09T304	CPGM3251		●		●	●			●		●	●		●			
	CPGH09T308	CPGM3252	●	●		●	●			●	●	●	●			●		
CPGT-HP 	CPGT060202HP	CPGT21505HP		●														
	CPGT060204HP	CPGT2151HP		●														
	CPGT09T302HP	CPGT32505HP		●														
	CPGT09T304HP	CPGT3251HP		●														
CPGT-LF 	CPGT060202LF	CPGT21505LF		●														
	CPGT060201LF	CPGT2150LF		●														
	CPGT060204LF	CPGT2151LF	●	●		●												
	CPGT09T302LF	CPGT32505LF		●	●													
	CPGT09T304LF	CPGT3251LF	●	●														
CPGW 	CPGW060204	CPGW2151															●	
	CPGW060208	CPGW2152															●	
	CPGW09T304	CPGW3251															●	
	CPGW09T308	CPGW3252															●	
CPGW-M 	CPGW060202EM	CPGW21505EM															●	
	CPGW060204S01015M	CPGW2151S0415M															●	
	CPGW060208S01015M	CPGW2152S0415M															●	
CPMT-LF 	CPMT050202LF	CPMT181505LF		●														
	CPMT050204LF	CPMT18151LF		●		●			●			●						
	CPMT060202LF	CPMT21505LF		●		●	●					●						
	CPMT060204LF	CPMT2151LF	●	●		●	●				●	●	●					
	CPMT060208LF	CPMT2152LF		●			●				●	●	●					
	CPMT09T302LF	CPMT32505LF		●			●											
	CPMT09T304LF	CPMT3251LF		●		●	●			●		●	●					
	CPMT09T308LF	CPMT3252LF	●	●	●	●	●			●	●	●	●					

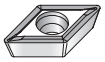
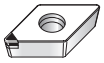
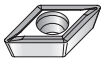
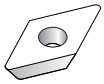
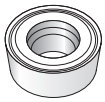
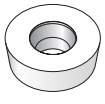
Bestellbeispiel:
ISO-Katalognummer: CPGB09T308
Schneidstoffsorte: KD050

SCREW-ON Wendeschneidplatten

Schneidstoffauswahl

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC910	KC9120	KC935	KC950	KT125	KT150	KT175	KD050	KD081
CPMT-MF 	CPMT060208MF	CPMT2152MF		●								●						
	CPMT09T308MF	CPMT3252MF		●							●	●						
DCGT-HP 	DCGT070202HP	DCGT21505HP		●														
	DCGT070204HP	DCGT2151HP	●	●														
	DCGT11T302HP	DCGT32505HP		●														
	DCGT11T304HP	DCGT3251HP	●	●														
	DCGT11T308HP	DCGT3252HP		●														
DCGT-LF 	DCGT070201LF	DCGT2150LF		●														
	DCGT11T301LF	DCGT3250LF		●														
	DCGT150408LF	DCGT432LF		●														
DCGW 	DCGW11T304S01015	DCGW3251S0415															●	●
	DCGW11T308S01015	DCGW3252S0415																●
DCGW-M 	DCGW070204S01015M	DCGW2151S0415M															●	
DCMT-LF 	DCMT070202LF	DCMT21505LF		●			●					●						
	DCMT070204LF	DCMT2151LF		●			●					●						
	DCMT11T302LF	DCMT32505LF		●		●	●	●				●						
	DCMT11T304LF	DCMT3251LF	●	●		●	●			●		●						
	DCMT11T308LF	DCMT3252LF		●		●	●			●	●	●						
	DCMT11T312LF	DCMT3253LF		●														
	DCMT150404LF	DCMT431LF					●					●						
	DCMT150408LF	DCMT432LF					●					●						
DCMT-MF 	DCMT11T304MF	DCMT3251MF		●								●						
	DCMT11T308MF	DCMT3252MF		●								●						
	DCMT11T312MF	DCMT3253MF		●														
DCMT-UF 	DCMT11T302UF	DCMT32505UF		●														

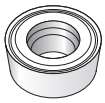
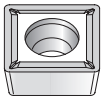
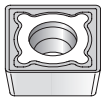
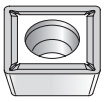
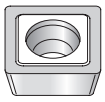
Bestellbeispiel:
ISO-Katalognummer: CPMT060208MF
Schneidstoffsorte: KC730

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC910	KC9120	KC935	KC950	KT125	KT150	KT175	KD050	KD081
DPGT-HP 	DPGT070202HP	DPGT21505HP		●														
	DPGT070204HP	DPGT2151HP		●														
	DPGT11T304HP	DPGT3251HP		●														
	DPGT11T308HP	DPGT3252HP		●														
DPGT-LF 	DPGT070202LF	DPGT21505LF		●														
	DPGT070201LF	DPGT2150LF		●														
	DPGT070204LF	DPGT2151LF		●	●													
	DPGT11T302LF	DPGT32505LF		●														
	DPGT11T301LF	DPGT3250LF		●														
	DPGT11T304LF	DPGT3251LF		●														
	DPGT11T308LF	DPGT3252LF		●														
DPGW-M 	DPGW11T304S01015M	DPGW3251S0415M															●	
DPMT-LF 	DPMT070202LF	DPMT21505LF		●														
	DPMT070204LF	DPMT2151LF		●			●					●						
	DPMT11T304LF	DPMT3251LF		●			●					●						
	DPMT11T308LF	DPMT3252LF		●			●				●	●						
FFEW 	FFEW533R	FFEW533R		●														
RCGM 	RCGH09T300	RCGM325											●					
RCGT-HP 	RCGT0803M0HP	RCGT0803M0HP		●														
	RCGT10T3M0HP	RCGT10T3M0HP		●														
RCGW 	RCGW060200	RCGW215		●														

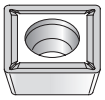
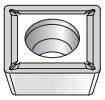
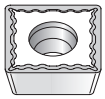
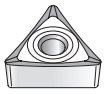
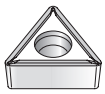
Bestellbeispiel:
ISO-Katalognummer: DPGT070202HP
Schneidstoffsorte: KC730

SCREW-ON Wendeschneidplatten

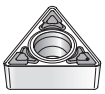
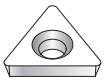
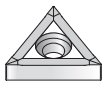
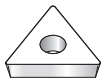
Schneidstoffauswahl

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC910	KC9120	KC935	KC950	KT125	KT150	KT175	KD050	KD081
RCMT 	RCMT060200	RCMT215		●			●											
	RCMT0803M0	RCMT0803M0		●			●			●								
	RCMT09T300	RCMT325		●														
	RCMT10T3M0	RCMT10T3M0		●			●			●								
	RCMT1204M0	RCMT1204M0		●			●			●								
	RCMT1605M0	RCMT1605M0		●			●											
	RCMT2006M0	RCMT2006M0		●			●											
RCMX 	RCMX120400	RCMX120400					●											
	RCMX160600	RCMX160600					●						●					
	RCMX200600	RCMX200600					●											
	RCMX250700	RCMX250700					●						●					
	RCMX320900	RCMX320900							●									
	RCMX3209M076	RCMX3209M076						●	●									
RCMX-M 	RCMX2507M076	RCMX2507M076							●									
SCMT-LF 	SCMT09T304LF	SCMT3251LF		●		●	●					●						
	SCMT09T308LF	SCMT3252LF	●	●			●			●	●	●						
	SCMT120404LF	SCMT431LF					●											
	SCMT120408LF	SCMT432LF	●	●			●			●	●	●						
	SCMT120412LF	SCMT433LF					●			●		●						
SCMT-MF 	SCMT09T308MF	SCMT3252MF		●								●						
	SCMT120408MF	SCMT432MF		●								●						
SPGH 	SPGH090308	SPGH322											●					
SPGM 	SPGT060212K	SPGM2153					●											
	SPGT070312K	SPGM2523					●											

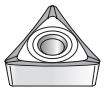
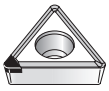
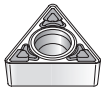
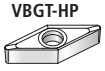
Bestellbeispiel:
ISO-Katalognummer: RCMT060200
Schneidstoffsorte: KC730

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC910	KC9120	KC935	KC950	KT125	KT150	KT175	KD050	KD081
SPGT-LF 	SPGT09T304LF	SPGT3251LF					●											
	SPGT09T308LF	SPGT3252LF	●	●														
	SPGT120408LF	SPGT432LF		●														
SPMT-LF 	SPMT09T304LF	SPMT3251LF		●			●					●						
	SPMT09T308LF	SPMT3252LF		●			●			●		●						
SPMT-MF 	SPMT09T308MF	SPMT3252MF		●								●						
	SPMT120408MF	SPMT432MF		●								●						
SPMT-UF 	SPMT09T304UF	SPMT3251UF						●										
TCGT-HP 	TCGT110202HP	TCGT21505HP		●														
	TCGT110204HP	TCGT2151HP		●														
	TCGT16T304HP	TCGT3251HP		●														
	TCGT16T308HP	TCGT3252HP		●														
TCGT-LF 	TCGT110201LF	TCGT2150LF		●														
TCGW-M 	TCGW110204S01015M	TCGW2151S0415M															●	●
TCMT-LF 	TCMT110202LF	TCMT21505LF		●			●											
	TCMT110204LF	TCMT2151LF	●	●		●	●			●		●						
	TCMT110208LF	TCMT2152LF		●		●	●			●		●						
	TCMT16T304LF	TCMT3251LF		●			●			●		●						
	TCMT16T308LF	TCMT3252LF		●			●			●	●	●	●					
	TCMT16T312LF	TCMT3253LF	●	●	●		●											
	TCMT220408LF	TCMT432LF	●				●			●		●						

Bestellbeispiel:
ISO-Katalognummer: SPGT09T304LF
Schneidstoffsorte: KC850

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC910	KC9120	KC935	KC950	KT125	KT150	KT175	KD050	KD081
TCMT-MF 	TCMT16T308MF	TCMT3252MF		●								●						
TDHB 	TDHB07T1204	TDHB1280751																●
TDHB 	TDHB07T1200 TDHB07T1202 TDHB07T1204	TDHB12807501 TDHB12807505 TDHB1280751		● ● ●														
TDHH 	TDHH07T1202L TDHH07T1202R TDHH07T1204L	TDHH12807505L TDHH12807505R TDHH1280751L		● ● ●														
T-F 	T110301F	T220F		●														
TPGA 	TPGA110204 TPGA160308	TP41 TP62		●			●			● ●								
T-P 	T110304P T160304P T160308P	T221P T321P T322P				●	● ● ●											
TPGT 	TPGT110201K TPGT110202K TPGT110204K TPGT110208K TPGH16T308	TPGM2150 TPGM21505 TPGM2151 TPGM2152 TPGM3252	● ● ●	● ● ● ● ●		● ● ●	● ● ●			● ● ●		● ● ●		● ● ●				

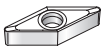
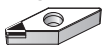
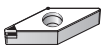
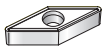
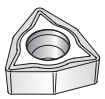
Bestellbeispiel:
ISO-Katalognummer: TCMT16T308MF
Schneidstoffsorte: KC730

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC910	KC9120	KC935	KC950	KT125	KT150	KT175	KD050	KD081
TPGT-HP 	TPGT110202HP	TPGT21505HP		●														
	TPGT110204HP	TPGT2151HP		●														
	TPGT16T304HP	TPGT3251HP		●														
	TPGT16T308HP	TPGT3252HP		●														
TPGT-LF 	TPGT110201LF	TPGT2150LF		●														
	TPGT110204LF	TPGT2151LF		●														
	TPGT16T304LF	TPGT3251LF		●														
	TPGT16T308LF	TPGT3252LF		●														
TPGW-M 	TPGW110204S01015M	TPGW2151S0415M															●	
	TPGW110208S01015M	TPGW2152S0415M															●	
TPMT-LF 	TPMT090204LF	TPMT18151LF		●		●	●			●		●	●					
	TPMT110202LF	TPMT21505LF		●														
	TPMT110204LF	TPMT2151LF		●		●	●			●		●						
	TPMT110208LF	TPMT2152LF		●			●	●				●						
	TPMT16T304LF	TPMT3251LF		●			●					●						
	TPMT16T308LF	TPMT3252LF	●	●			●			●	●	●						
TPMT-M 	TPMT090204S01015M	TPMT18151S0415M															●	
	TPMT110204S01015M	TPMT2151S0415M															●	
	TPMT110208S01015M	TPMT2152S0415M															●	
TPMT-MF 	TPMT16T312MF	TPMT3253MF		●								●						
TPMT-UF 	TPMT110204UF	TPMT2151UF		●														
VBGT-HP 	VBGT160404HP	VBGT331HP		●														
	VBGT160408HP	VBGT332HP		●														

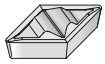
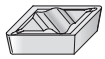
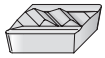
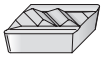
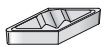
Bestellbeispiel:
ISO-Katalognummer: TPGT110202HP
Schneidstoffsorte: KC730

SCREW-ON Wendeschneidplatten

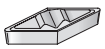
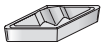
Schneidstoffauswahl

	ISO-Katalognummer	ANSI-Katalognummer	KC720	KC730	KC732	KC810	KC850	KC9010	KC9025	KC910	KC9120	KC935	KC950	KT125	KT150	KT175	KD050	KD081
VBGT-LF 	VBGT110302LF	VBGT2205LF		●														
	VBGT110301LF	VBGT220LF		●														
	VBGT110304LF	VBGT221LF		●														
	VBGT160402LF	VBGT3305LF		●														
	VBGT160401LF	VBGT330LF		●														
	VBGT160404LF	VBGT331LF		●														
VBGW 	VBGW160404S01015	VBGW331S0415															●	
	VBGW160408S01015	VBGW332S0415															●	
VBGW-M 	VBGW160404S01015M	VBGW331S0415M															●	
VBMT-LF 	VBMT110302LF	VBMT2205LF		●								●						
	VBMT110304LF	VBMT221LF		●			●					●						
	VBMT110308LF	VBMT222LF		●			●					●						
	VBMT160402LF	VBMT3305LF	●	●			●					●						
	VBMT160404LF	VBMT331LF	●	●		●	●					●						
	VBMT160408LF	VBMT332LF	●	●		●	●			●		●						
	VBMT160412LF	VBMT333LF											●					
WCMT-LF 	WCMT040204LF	WCMT2151LF		●														
	WCMT06T308LF	WCMT3252LF							●									
WPMT-LF 	WPMTS3T104LF	WPMT15121LF		●			●					●						
	WPMT040204LF	WPMT2151LF		●			●					●						
	WPMT06T308LF	WPMT3252LF		●								●						

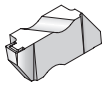
Bestellbeispiel:
ISO-Katalognummer: VBGT110302LF
Schneidstoffsorte: KC730

	ISO-Katalognummer	ANSI-Katalognummer	KC730	KC732	KC850	KC9025	KC9120	KC910	KC935	KC950	KT125	KT150
TOP NOTCH Profiling Wendeschneidplatten												
DCGR 8° 	DCGR150404	DPGR431	●		●							
	DCGR150408	DPGR432	●	●	●	●	●			●		●
	DCGR150412	DPGR433		●								
KCGR 8° 	KCGR110304L08	NPGR51L	●		●	●				●	●	
	KCGR110304R08	NPGR51R	●		●	●				●	●	●
	KCGR110308L08	NPGR52L	●		●	●				●		
	KCGR110308R08	NPGR52R	●		●	●						
KNGX 0° Inch 	KNGX150404L20	NPL131F	●		●							
	KNGX150408L20	NPL132F	●		●							
	KNGX150408L25	NPL132N			●							
	KNGX150401R15	NPR1305	●									
	KNGX150402R15	NPR1308	●									
	KNGX150404R20	NPR131F	●		●							
	KNGX150408R20	NPR132F			●							
	KNGX220408R32	NPR332			●							
KNUX 0° Metric 	KNUX150405L20	NPL13M05F			●							
	KNUX150405L25	NPL13M05N			●							
	KNUX150410L25	NPL13M10N			●							
	KNUX150405R20	NPR13M05F			●							
	KNUX150405R25	NPR13M05N			●							
	KNUX150410R25	NPR13M10N			●							
KNGX 8° Inch 	KCGX110301L15	NPL505	●		●						●	
	KCGX110302L15	NPL508	●								●	
	KCGX110304L15	NPL51	●		●						●	
	KCGX110308L15	NPL52	●		●					●		
	KCGX110301R15	NPR505	●		●						●	
	KCGX110302R15	NPR508	●									
	KCGX110304R15	NPR51	●		●	●				●	●	
	KCGX110308R15	NPR52	●		●							
KCUX 8° Metric 	KCUX110302L15	NPL5M02			●							
	KCUX110305L15	NPL5M05			●							
	KCUX110302R15	NPR5M02			●							
	KCUX110305R15	NPR5M05			●							
VBMR 5° 	VBMR110304	VBMR221			●							
	VBMR110308	VBMR222			●							

Bestellbeispiel:
ISO-Katalognummer: DCGR150404
Schneidstoffsorte: KC730

	ISO-Katalognummer	ANSI-Katalognummer	KC730	KC732	KC850	KC9025	KC9120	KC910	KC935	KC950	KT125	KT150
VCMR 8° 	VCMR160404	VCMR331			●							
	VCMR160408	VCMR332			●							
VCGR 8° 	VCGR160402	VPGR3305	●									
	VCGR160404	VPGR331	●	●	●	●				●	●	●
	VCGR160408	VPGR332	●	●	●	●	●			●	●	●
	VCGR160412	VPGR333	●		●	●				●		●
	VCGR160416	VPGR334	●							●		
K-LOCK Wendeschneidplatten												
RCMK 	RCMK040300	RCMK152	●									
	RCMK060400	RCMK23	●	●					●			
	RCMK090700	RCMK35	●					●	●			
	RCMK120800	RCMK46	●						●			

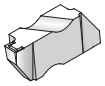
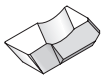
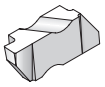
Bestellbeispiel:
ISO-Katalognummer: VCMR160404
Schneidstoffsorte: KC850

	Katalognummer	Wende-schneid-platten-größe	Abmessungen: Einstechbreite W Zoll	Einstechbreite W mm	Einstechtiefe T Zoll	Einstechtiefe T mm	KC720	KC730	KC850	KC935	KC950
NG-K 	**Rechts**										
	NG2031RK	2	.031	0,79	.050	1,27	●	●	●	●	
	NG2M080RK	2	.032	0,80	.050	1,27		●			
	NG2M100RK	2	.039	1,00	.050	1,27	●	●			
	NG2047RK	2	.047	1,19	.050	1,27		●			
	NG2M120RK	2	.047	1,20	.050	1,27	●	●			
	NG2M140RK	2	.055	1,40	.050	1,27		●			
	NG2M150RK	2	.059	1,50	.110	2,79		●			
	NG2062RK	2	.062	1,58	.110	2,79	●	●	●	●	
	NG2M170RK	2	.067	1,70	.110	2,79	●	●			
	NG2M195RK	2	.077	1,95	.110	2,79		●			
	NG2M200RK	2	.079	2,00	.110	2,79	●	●			
	NG2M225RK	2	.088	2,25	.110	2,79	●	●			
	NG2094RK	2	.094	2,39	.110	2,79		●		●	
	NG2M300RK	2	.118	3,00	.110	2,79	●	●			
	NG2125RK	2	.125	3,18	.110	2,79		●			
	NG3M100RK	3	.039	1,00	.075	1,91		●			
	NG3047RK	3	.047	1,19	.075	1,91		●	●	●	
	NG3M120RK	3	.047	1,20	.075	1,91		●			
	NG3M150RK	3	.059	1,50	.094	2,39		●			
	NG3062RK	3	.062	1,58	.094	2,39	●	●	●	●	
	NG3M175RK	3	.069	1,75	.094	2,39		●			
	NG3072RK	3	.072	1,83	.094	2,39		●	●	●	
	NG3078RK	3	.078	1,98	.094	2,39		●	●	●	
	NG3M200RK	3	.079	2,00	.094	2,39		●			
	NG3M220RK	3	.087	2,20	.094	2,39		●			
	NG3M225RK	3	.088	2,25	.094	2,39		●	●		
	NG3094RK	3	.094	2,39	.150	3,81	●	●	●	●	●
	NG3M250RK	3	.098	2,50	.150	3,81		●			
	NG3M275RK	3	.108	2,75	.150	3,81		●			
	NG3M300RK	3	.118	3,00	.150	3,81		●	●		
	NG3125RK	3	.125	3,18	.150	3,81	●	●	●	●	
	NG3M325RK	3	.128	3,25	.150	3,81		●			
	NG3M350RK	3	.138	3,50	.150	3,81		●			
	NG3156RK	3	.156	3,96	.150	3,81	●	●	●	●	●
	NG3M400RK	3	.158	4,00	.150	3,81		●			
	NG3M450RK	3	.177	4,50	.150	3,81		●			
	NG3189RK	3	.189	4,80	.150	3,81	●	●	●	●	
	NG4125RK	4	.125	3,18	.150	3,81	●	●	●	●	
	NG4189RK	4	.189	4,80	.250	6,35	●	●	●	●	
	NG4M500RK	4	.197	5,00	.250	6,35		●			
	NG4M550RK	4	.217	5,50	.250	6,35		●			
	NG4250RK	4	.250	6,35	.250	6,35	●	●	●	●	●
	Links										
	NG2031LK	2	.031	0,79	.050	1,27		●			
	NG2M100LK	2	.039	1,00	.050	1,27		●			
	NG2047LK	2	.047	1,19	.050	1,27		●			
	NG2M120LK	2	.047	1,20	.050	1,27		●			
	NG2M140LK	2	.055	1,40	.050	1,27		●			
	NG2M150LK	2	.059	1,50	.110	2,79		●			
	NG2062LK	2	.062	1,58	.110	2,79		●	●	●	
	NG2M170LK	2	.067	1,70	.110	2,79		●			
	NG2M175LK	2	.069	1,75	.110	2,79		●			
	NG2M200LK	2	.079	2,00	.110	2,79	●	●			
	NG2M225LK	2	.088	2,25	.110	2,79	●	●			
	NG2094LK	2	.094	2,39	.110	2,79		●	●	●	
	NG2M275LK	2	.108	2,75	.110	2,79		●			

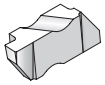
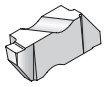
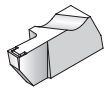
Bestellbeispiel:
Katalognummer: NG2031RK
Schneidstoffsorte: KC720

TOP NOTCH Einstechplatten

Schneidstoffauswahl und Abmessungen

	Katalognummer	Wende-schneid-platten-größe	Abmessungen: Einstechbreite W Zoll	Einstechbreite W mm	Einstechtiefe T Zoll	Einstechtiefe T mm	KC720	KC730	KC850	KC935	KC950
NG-K 	**NG2M300LK**	2	.118	3,00	.110	2,79		●			
	NG2125LK	2	.125	3,18	.110	2,79	●	●	●	●	
	NG3047LK	3	.047	1,19	.075	1,91		●	●		
	NG3M150LK	3	.059	1,50	.094	2,39		●			
	NG3062LK	3	.062	1,58	.094	2,39		●	●	●	
	NG3072LK	3	.072	1,83	.094	2,39	●	●	●		
	NG3078LK	3	.078	1,98	.094	2,39		●		●	
	NG3M200LK	3	.079	2,00	.094	2,39		●			
	NG3M220LK	3	.087	2,20	.094	2,39		●			
	NG3M225LK	3	.088	2,25	.094	2,39		●			
	NG3094LK	3	.094	2,39	.150	3,81	●	●	●	●	
	NG3M250LK	3	.098	2,50	.150	3,81		●			
	NG3M275LK	3	.108	2,75	.150	3,81		●			
	NG3M300LK	3	.118	3,00	.150	3,81		●	●		
	NG3125LK	3	.125	3,18	.150	3,81	●	●	●	●	●
	NG3M325LK	3	.128	3,25	.150	3,81		●			
	NG3M350LK	3	.138	3,50	.150	3,81		●			
	NG3156LK	3	.156	3,96	.150	3,81		●	●	●	
	NG3M400LK	3	.158	4,00	.150	3,81		●			
	NG3189LK	3	.189	4,80	.150	3,81		●	●	●	
	NG4125LK	4	.125	3,18	.150	3,81		●	●		
	NG4189LK	4	.189	4,80	.250	6,35		●	●	●	
	NG4M500LK	4	.197	5,00	.250	6,35		●			
	NG4250LK	4	.250	6,35	.250	6,35	●	●	●	●	●
NG-1L 	**Links**										
	NG1031L	1	.031	0,79	.050	1,27		●			
	NG1047L	1	.047	1,19	.075	1,91	●	●			
	NG1062L	1	.062	1,58	.075	1,91	●	●			
	NG1094L	1	.094	2,39	.075	1,91	●	●			
NG 	**Rechts**										
	NG2031R	2	.031	0,79	.050	1,27		●	●		
	NG2041R	2	.041	1,04	.050	1,27		●			
	NG2047R	2	.047	1,19	.050	1,27		●	●		
	NG2062R	2	.062	1,58	.110	2,79		●	●		
	NG2094R	2	.094	2,39	.110	2,79		●	●		
	NG2125R	2	.125	3,18	.110	2,79		●			
	NG3047R	3	.047	1,19	.075	1,91		●	●		
	NG3062R	3	.062	1,58	.094	2,39		●	●	●	
	NG3072R	3	.072	1,83	.094	2,39		●			
	NG3078R	3	.078	1,98	.094	2,39		●	●		
	NG3088R	3	.088	2,24	.094	2,39		●	●		
	NG3094R	3	.094	2,39	.150	3,81	●	●	●	●	●
	NG3097R	3	.097	2,46	.150	3,81		●	●		
	NG3105R	3	.105	2,67	.150	3,81		●	●		
	NG3110R	3	.110	2,79	.150	3,81			●		●
	NG3122R	3	.122	3,10	.150	3,81			●		
	NG3125R	3	.125	3,18	.150	3,81	●	●	●	●	●
	NG3142R	3	.142	3,61	.150	3,81		●	●		
	NG3156R	3	.156	3,96	.150	3,81		●	●		●
	NG3178R	3	.178	4,52	.150	3,81			●		
	NG3185R	3	.185	4,70	.150	3,81		●			
	NG3189R	3	.189	4,80	.150	3,81		●	●	●	●
	NG4125R	4	.125	3,18	.150	3,81		●	●		
	NG4189R	4	.189	4,80	.250	6,35		●	●		
	NG4213R	4	.213	5,41	.250	6,35					●
	NG4250R	4	.250	6,35	.250	6,35		●	●		●

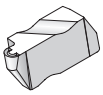
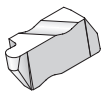
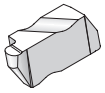
Bestellbeispiel:
Katalognummer: NG2125LK
Schneidstoffsorte: KC720

	Katalognummer	Wende-schneid-platten-größe	Abmessungen: Einstechbreite W Zoll	Einstechbreite W mm	Einstechtiefe T Zoll	Einstechtiefe T mm	KC720	KC730	KC850	KC935	KC950
NG 	**Links**										
	NG2031L	2	.031	0,79	.050	1,27		●	●		
	NG2041L	2	.041	1,04	.050	1,27		●	●		
	NG2047L	2	.047	1,19	.050	1,27		●	●		
	NG2058L	2	.058	1,47	.050	1,27		●			
	NG2062L	2	.062	1,58	.110	2,79	●	●	●		
	NG2094L	2	.094	2,39	.110	2,79		●	●		
	NG2125L	2	.125	3,18	.110	2,79		●	●		
	NG3047L	3	.047	1,19	.075	1,91		●	●		
	NG3062L	3	.062	1,58	.094	2,39		●	●	●	●
	NG3088L	3	.088	2,24	.094	2,39		●	●		
	NG3094L	3	.094	2,39	.150	3,81	●	●	●	●	●
	NG3097L	3	.097	2,46	.150	3,81		●			
	NG3105L	3	.105	2,67	.150	3,81		●	●		●
	NG3122L	3	.122	3,10	.150	3,81		●			
	NG3125L	3	.125	3,18	.150	3,81		●	●	●	
	NG3142L	3	.142	3,61	.150	3,81		●			
	NG3156L	3	.156	3,96	.150	3,81			●		
	NG3185L	3	.185	4,70	.150	3,81		●			
	NG3189L	3	.189	4,80	.150	3,81		●	●	●	
	NG4125L	4	.125	3,18	.150	3,81		●	●		
	NG4189L	4	.189	4,80	.250	6,35		●	●		
	NG4250L	4	.250	6,35	.250	6,35		●	●		●
NGP 	**Rechts**										
	NGP2031R	2	.031	0,79	.050	1,27		●			
	NGP2062R	2	.062	1,58	.110	2,79		●	●		
	NGP3088R	3	.088	2,24	.094	2,39		●			
	NGP3125R	3	.125	3,18	.150	3,81		●	●		
	NGP3189R	3	.189	4,80	.150	3,81			●		
	NGP4189R	4	.189	4,80	.250	6,35		●			
	NGP4250R	4	.250	6,35	.250	6,35			●		
	Links										
	NGP3125L	3	.125	3,18	.150	3,81		●	●		
	NGP3156L	3	.156	3,96	.150	3,81		●			
	NGP3189L	3	.189	4,80	.150	3,81			●		
NGD-K 	**Rechts**										
	NGD3062RK	3	.062	1,58	.125	3,18		●	●	●	
	NGD3094RK	3	.094	2,39	.250	6,35		●	●	●	
	NGD3125RK	3	.125	3,18	.250	6,35		●	●	●	
	NGD3189RK	3	.189	4,80	.250	6,35		●	●	●	
	NGD4125RK	4	.125	3,18	.250	6,35		●	●	●	
	NGD4189RK	4	.189	4,80	.375	9,53		●	●	●	
	NGD4250RK	4	.250	6,35	.500	12,70		●	●	●	
	Links										
	NGD3062LK	3	.062	1,58	.125	3,18		●			
	NGD3094LK	3	.094	2,39	.250	6,35		●	●	●	
	NGD3125LK	3	.125	3,18	.250	6,35		●	●	●	
	NGD3189LK	3	.189	4,80	.250	6,35		●	●	●	
	NGD4125LK	4	.125	3,18	.250	6,35		●	●	●	
	NGD4189LK	4	.189	4,80	.375	9,53		●	●	●	
	NGD4250LK	4	.250	6,35	.500	12,70		●	●	●	

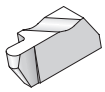
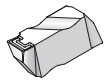
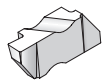
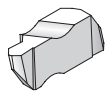
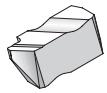
Bestellbeispiel:
Katalognummer: NG2031L
Schneidstoffsorte: KC730

TOP NOTCH Einstechplatten

Schneidstoffauswahl und Abmessungen

	Katalognummer	Wende-schneid-platten-größe	Abmessungen: Einstechbreite W Zoll	Einstechbreite W mm	Einstechtiefe T Zoll	Einstechtiefe T mm	KC720	KC730	KC850	KC935	KC950
NR-K 	**Rechts**										
	NR3047RK	3	.094	2,39	.150	3,81		●	●	●	
	NR3078RK	3	.156	3,96	.150	3,81		●		●	
	NR3062RK	3	.125	3,18	.150	3,81		●	●	●	
	NR4094RK	4	.188	4,78	.250	6,35		●			
	NR4125RK	4	.250	6,35	.250	6,35		●			
	Links										
	NR3047LK	3	.094	2,39	.150	3,81		●	●	●	
	NR3062LK	3	.125	3,18	.150	3,81		●	●	●	
	NR4094LK	4	.188	4,78	.250	6,35				●	
	NR4125LK	4	.250	6,35	.250	6,35				●	
NR 	**Rechts**										
	NR2031R	2	.062	1,58	.110	2,79		●	●		
	NR2047R	2	.094	2,39	.110	2,79		●			
	NR2062R	2	.125	3,18	.110	2,79		●	●		
	NR3031R	3	.062	1,58	.094	2,39		●	●		●
	NR3047R	3	.094	2,39	.150	3,81		●	●		
	NR3062R	3	.125	3,18	.150	3,81		●	●		●
	NR3078R	3	.156	3,96	.150	3,81		●	●		●
	NR3094R	3	.188	4,78	.150	3,81		●	●		●
	NR4062R	4	.125	3,18	.150	3,81		●	●		
	NR4094R	4	.188	4,78	.250	6,35		●	●		
	NR4125R	4	.250	6,35	.250	6,35		●	●		
	Links										
	NR2031L	2	.062	1,58	.110	2,79		●	●		
	NR2047L	2	.094	2,39	.110	2,79		●			
	NR2062L	2	.125	3,18	.110	2,79		●			
	NR3031L	3	.062	1,58	.094	2,39		●	●		●
	NR3047L	3	.094	2,39	.150	3,81		●	●		
	NR3062L	3	.125	3,18	.150	3,81		●	●		
	NR3078L	3	.156	3,96	.150	3,81		●			
	NR3094L	3	.188	4,78	.150	3,81		●	●		
	NR4062L	4	.125	3,18	.150	3,81		●	●		
	NR4094L	4	.188	4,78	.250	6,35		●	●		
	NR4125L	4	.250	6,35	.250	6,35		●	●		
NRP 	**Rechts**										
	NRP3031R	3	.062	1,58	.094	2,39		●	●		
	NRP3047R	3	.094	2,39	.150	3,81		●	●		
	NRP3062R	3	.125	3,18	.150	3,81		●	●		
	NRP3094R	3	.188	4,78	.150	3,81		●			
	NRP4094R	4	.188	4,78	.250	6,35		●			
	NRP4125R	4	.250	6,35	.250	6,35		●	●		
	Links										
	NRP3031L	3	.062	1,58	.094	2,39		●	●		
	NRP3047L	3	.094	2,39	.150	3,81		●			
	NRP3062L	3	.125	3,18	.150	3,81		●	●		
	NRP3094L	3	.188	4,78	.150	3,81		●	●		

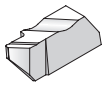
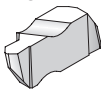
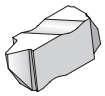
Bestellbeispiel:
Katalognummer: NR3047RK
Schneidstoffsorte: KC730

	Katalognummer	Abmessungen: Wende-schneid-platten-größe	Einstechbreite W: Zoll	Einstechbreite W: mm	Einstechtiefe T: Zoll	Einstechtiefe T: mm	KC720	KC730	KC850	KC935	KC950
NRD 	**Rechts**										
	NRD3031R	3	.062	1,58	.125	3,18		●	●		
	NRD3062R	3	.125	3,18	.250	6,35		●	●		
	NRD4062R	4	.125	3,18	.250	6,35		●	●		
	NRD4094R	4	.188	4,78	.500	12,70		●			
	NRD4125R	4	.250	6,35	.500	12,70		●			
	Links										
	NRD3031L	3	.062	1,58	.125	3,18		●	●		
	NRD3062L	3	.125	3,18	.250	6,35		●	●		
	NRD4062L	4	.125	3,18	.250	6,35		●			
	NRD4094L	4	.188	4,78	.500	12,70		●	●		
	NRD4125L	4	.250	6,35	.500	12,70		●	●		
NF-K 	**Rechts**										
	NF3125RK	3	.125	3,18	.150	3,81	●		●		
	NF4250RK	4	.250	6,35	.250	6,35	●		●		
	Links										
	NF3125LK	3	.125	3,18	.150	3,81	●		●		
	NF4189LK	4	.189	4,80	.250	6,35	●		●		
	NF4250LK	4	.250	6,35	.250	6,35	●		●		
NF 	**Rechts**										
	NF3125R	3	.125	3,18	.150	3,81		●	●		●
	Links										
	NF3125L	3	.125	3,18	.150	3,81		●			●
NFD-K 	**Rechts**										
	NFD3125RK	3	.125	3,18	.250	6,35		●	●		
	NFD4189RK	4	.189	4,80	.375	9,53		●	●		
	NFD4250RK	4	.250	6,35	.500	12,70		●	●		
	Links										
	NFD3125LK	3	.125	3,18	.250	6,35		●	●		
	NFD4189LK	4	.189	4,80	.375	9,53		●	●		
	NFD4250LK	4	.250	6,35	.500	12,70		●	●		
NFD-KI 	**Rechts**										
	NFD3125RKI	3	.125	3,18	.250	6,35		●			
	NFD3156RKI	3	.156	3,96	.250	6,35	●				
NP-K 	**Rechts**										
	NP2012RK	2	.145	3,68	.110	2,79		●			
	NP2002RK	2	.145	3,68	.110	2,79		●		●	
	NP3012RK	3	.190	4,83	.200	5,08		●			
	NP3002RK	3	.190	4,83	.200	5,08		●		●	
	NP3014RK	3	.124	3,15	.250	6,35		●	●		
	NP3001RK	3	.124	3,15	.250	6,35		●	●		

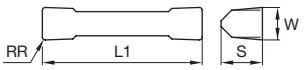
Bestellbeispiel:
Katalognummer: NRD3031R
Schneidstoffsorte: KC730

TOP NOTCH Einstechplatten

Schneidstoffauswahl und Abmessungen

	Katalognummer	Wende-schneid-platten-größe	Abmessungen Einstechbreite W Zoll	Einstechbreite W mm	Einstechtiefe T Zoll	Einstechtiefe T mm	KC720	KC730	KC850	KC935	KC950
NPD-K 	**Rechts**										
	NPD2002RK	2	.145	3,68	.200	5,08		●			
	NPD3012RK	3	.190	4,83	.250	6,35		●		●	
	NPD3002RK	3	.190	4,83	.250	6,35		●			
NU 	**Links**										
	NU3094L	3	.094	2,39	.125	3,18		●			
NV 	**Rechts**										
	NV3RJ	3	-	-	.087	2,21		●			
	NV4RL	4	-	-	.201	5,11		●			

Bestellbeispiel:
Katalognummer: NPD2002RK
Schneidstoffsorte: KC730



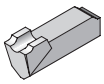
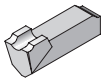
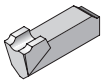
	Katalognummer	Abmessungen W Zoll	W mm	RR Zoll	RR mm	LI	S	K68	KC730	KC850	KC935	KC950	KD120	KD100
GC	GC4125	.125	3,18	.0125	0,32	1.000	.188	●	●	●	●	●	●	●
	GC4187	.187	4,75	.0125	0,32	1.000	.328	●	●	●		●		●
	GC4250	.250	6,35	.0125	0,32	1.000	.328	●	●	●	●	●		
	GC4312	.312	7,93	.0125	0,32	1.000	.328	●						
	GC4375	.375	9,53	.0125	0,32	1.000	.328	●		●		●		
	GC6187	.187	4,75	.0125	0,32	1.500	.328	●		●				
	GC6250	.250	6,35	.0125	0,32	1.500	.328			●				
	GC6375	.375	9,53	.0125	0,32	1.500	.328			●				
	GC9125A	.125	3,18	.0125	0,32	1.125	.250		●			●		
	GC9187A	.187	4,75	.0125	0,32	1.125	.250		●			●		
	GC9250A	.250	6,35	.0125	0,32	1.125	.250		●					
	GC9250B	.250	6,35	.0125	0,32	1.125	.337		●					
GC-K	GC4125K	.125	3,18	.0125	0,32	1.000	.188		●	●	●			
	GC4187K	.187	4,75	.0125	0,32	1.000	.328		●	●	●			
	GC4250K	.250	6,35	.0125	0,32	1.000	.328		●	●	●			
	GC4375K	.375	9,53	.0125	0,32	1.000	.328			●	●			
GCP	GCP4125	.125	3,18	.0125	0,32	1.000	.188		●			●		
	GCP4187	.187	4,75	.0125	0,32	1.000	.328		●					
	GCP4250	.250	6,35	.0125	0,32	1.000	.328					●		
GR	GR4125	.125	3,18	.0625	1,59	1.000	.188		●			●		
	GR4187	.187	4,75	.0940	2,39	1.000	.328		●			●		
	GR4250	.250	6,35	.1250	3,18	1.000	.328		●			●		
	GR9125A	.125	3,18	.0625	1,59	1.125	.250		●					
	GR9187A	.187	4,75	.0940	2,39	1.125	.250		●					
	GR9250B	.250	6,35	.1250	3,18	1.125	.337		●					
GRP	GRP4125	.125	3,18	.0625	1,59	1.000	.188		●					
	GRP4187	.187	4,75	.0940	2,39	1.000	.328		●					
	GRP4250	.250	6,35	.1250	3,18	1.000	.328		●					

Bestellbeispiel:
Katalognummer: GC4125
Schneidstoffsorte: K68

HINWEIS: Siehe www.Kennametal.com zur Gesamtauswahl an KENDEX Einstechklemmhaltern.

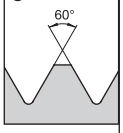
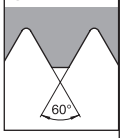
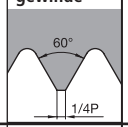
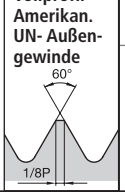
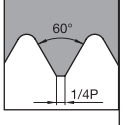
SEPARATOR Abstechplatten

Schneidstoffauswahl und Abmessungen

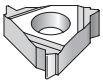
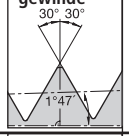
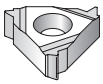
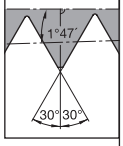
	GS-N / GS-R / GS-L Katalognummer	Abmessungen W Zoll	W mm	RR Zoll	RR mm	α	KC720	KC722	KC935
GS-N	**GS094N**	.094	2,39	.0025	0,06	-	●	●	●
	**GS125N**	.125	3,18	.0025	0,06	-	●	●	●
	GS160N	.160	4,06	.0025	0,06	-		●	●
	GS188N	.188	4,78	.0025	0,06	-	●	●	●
	GS250N	.250	6,35	.0025	0,06	-	●		
	Rechts								
GS-R	**GS094R**	.094	2,39	.0025	0,06	4	●	●	●
	**GS094R12**	.093	2,36	.0015	0,04	12		●	●
	GS094R18	.092	2,34	.0015	0,04	18		●	
	GS125R	.125	3,18	.0025	0,06	4	●	●	●
	GS125R12	.125	3,18	.0015	0,04	12	●	●	
	GS125R18	.124	3,15	.0015	0,04	18		●	
	GS160R	.159	4,05	.0025	0,06	4		●	●
	GS188R	.187	4,75	.0025	0,06	4	●	●	●
	Links								
GS-L	**GS094L**	.094	2,39	.0025	0,06	4	●	●	●
	**GS125L**	.125	3,18	.0025	0,06	4	●	●	●
	GS125L12	.125	3,18	.0015	0,04	12		●	
	GS188L	.187	4,75	.0025	0,06	4	●		

Bestellbeispiel:
Katalognummer: GS094N
Schneidstoffsorte: KC720

HINWEIS: Siehe www.kennametal.com zur Gesamtauswahl an Separator-Klemmhaltern.

		Wendeschneidplatten-größe	Katalognummer Rechts	Steigung mm	Steigung TPI Steigung Gänge/Zoll	Steigung TPF Kegel Zoll/Fuß	Schneideneckenradius Zoll	Schneideneckenradius mm		KC730
LT-ER/L-60	Teilprofil 60° Außen-gewinde 	16	LT16ERA60	0,50 - 1,5	48 - 16	-	.002	0,05		●
		16	LT16ERAG60	0,50 - 3,0	48 - 8	-	.003	0,08		●
LT-NR/L-60	Teilprofil 60° Innen-gewinde 	11	LT11NRA60	0,50 - 1,5	48 - 16	-	.002	0,05		●
		16	LT16NRAG60	0,50 - 3,0	48 - 8	-	.002	0,05		●
		16	LT16NRG60	1,75 - 3,0	14 - 8	-	.006	0,15		●
		22	LT22NRN60	3,50 - 5,0	7 - 5	-	.012	0,31		●
LT-ER/L-ISO	Vollprofil Metrisches ISO Außen-gewinde 	16	LT16ER15ISO	1,5	-	-	-	-		●
		16	LT16ER20ISO	2,0	-	-	-	-		●
		16	LT16ER25ISO	2,5	-	-	-	-		●
		16	LT16ER30ISO	3,0	-	-	-	-		●
		22	LT22ER40ISO	4,0	-	-	-	-		
LT-NR/L-ISO	Vollprofil Metrisches ISO Innen-gewinde 	16	LT16NR15ISO	1,5	-	-	-	-		●
		16	LT16NR20ISO	2,0	-	-	-	-		●
LT-ER/L-UN	Vollprofil Amerikan. UN- Außen-gewinde 	16	LT16ER20UN	-	20	-	-	-		●
		16	LT16ER18UN	-	18	-	-	-		●
		16	LT16ER16UN	-	16	-	-	-		●
		16	LT16ER14UN	-	14	-	-	-		●
		16	LT16ER12UN	-	12	-	-	-		●
		16	LT16ER8UN	-	8	-	-	-		●
LT-NR/L-UN	Vollprofil Amerikan. UN- Innen-gewinde 	16	LT16NR14UN	-	14	-	-	-		●
		16	LT16NR12UN	-	12	-	-	-		●

Bestellbeispiel:
Katalognummer: LT16ERA60
Schneidstoffsorte: KC730

		Wendeschneidplatten-größe	Katalognummer Rechts	Steigung mm	Steigung TPI Steigung Gänge/Zoll	Steigung TPF Kegel Zoll/Fuß	Schneideneckenradius Zoll	Schneideneckenradius mm	KC730
LT-ER/L-NPT 	**Vollprofil NPT Außen-gewinde** 	16	**LT16ER14NPT**	-	14	.750	-	-	●
LT-NR/L-NPT 	**Vollprofil NPT Innen-gewinde** 	16	**LT16NR14NPT**	-	14	.750	-	-	●

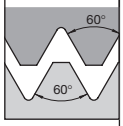
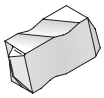
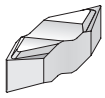
Bestellbeispiel:
Katalognummer: LT16ER14NPT
Schneidstoffsorte: KC730

		Katalognummer	Abmessungen: Wende-schneid-plattengröße	Steigung (mm) außen	Steigung (mm) innen	TPI Steigung Gänge/Zoll außen	TPI Steigung Gänge/Zoll innen	Schneideneckenradius Zoll	Schneideneckenradius mm	K313	KC720	KC730	KC850	KC950
NT-K	**Teilprofil 60°**	**Rechts**												
		NT2RK	2	0,70 - 3,00	1,25 - 3,50	8.0 - 36.0	7.0 - 20.0	.004	0,10			●		
		NT3RK	3	1,25 - 4,00	2,00 - 5,00	6.0 - 20.0	5.0 - 12.0	.007	0,17		●	●	●	
		NT4RK	4	1,25 - 6,25	2,00 - 6,25	4.0 - 20.0	4.0 - 12.0	.007	0,17			●	●	
		Links												
		NT2LK	2	0,70 - 3,00	1,25 - 3,50	8.0 - 36.0	7.0 - 20.0	.004	0,10			●		
		NT3LK	3	1,25 - 4,00	2,00 - 5,00	6.0 - 20.0	5.0 - 12.0	.007	0,17			●	●	
NT-1L	**Teilprofil 60° Innen-gewinde**	**Links**												
		NT1L	1	-	1,00 - 2,00	-	12.0 - 24.0	.003	0,08			●		
NT	**Teilprofil 60°**	**Rechts**												
		NT2R	2	0,70 - 3,00	1,25 - 3,50	8.0 - 36.0	7.0 - 20.0	.004	0,10			●	●	
		NT3R	3	1,25 - 4,00	2,00 - 5,00	6.0 - 20.0	5.0 - 12.0	.007	0,17			●	●	●
		NT4R	4	1,25 - 6,25	2,00 - 6,25	4.0 - 20.0	4.0 - 12.0	.007	0,17			●	●	
		Links												
		NT2L	2	0,70 - 3,00	1,25 - 3,50	8.0 - 36.0	7.0 - 20.0	.004	0,10			●	●	
		NT3L	3	1,25 - 4,00	2,00 - 5,00	6.0 - 20.0	5.0 - 12.0	.007	0,17			●	●	●
		NT4L	4	1,25 - 6,25	2,00 - 6,25	4.0 - 20.0	4.0 - 12.0	.007	0,17			●	●	●
NTP	**Teilprofil 60°**	**Rechts**												
		NTP2R	2	0,70 - 3,00	1,25 - 3,50	8.0 - 36.0	7.0 - 20.0	.004	0,10			●	●	
		NTP3R	3	1,25 - 4,00	2,00 - 5,00	6.0 - 20.0	5.0 - 12.0	.007	0,17	●		●	●	●
		NTP4R	4	1,25 - 6,25	2,00 - 6,25	4.0 - 20.0	4.0 - 12.0	.007	0,17			●	●	
		Links												
		NTP2L	2	0,70 - 3,00	1,25 - 3,50	8.0 - 36.0	7.0 - 20.0	.004	0,10			●	●	
		NTP3L	3	1,25 - 4,00	2,00 - 5,00	6.0 - 20.0	5.0 - 12.0	.007	0,17			●	●	
		NTP4L	4	1,25 - 6,25	2,00 - 6,25	4.0 - 20.0	4.0 - 12.0	.007	0,17			●	●	
NT-CK	**Teilprofil 60°**	**Rechts**												
		NT3RCK	3	2,50 - 4,00	4,00	6.0 - 11.0	6.0	.014	0,34			●	●	
NT-C	**Teilprofil 60°**	**Rechts**												
		NT3RC	3	2,50 - 4,00	4,00	6.0 - 11.0	6.0	.014	0,34			●		
		NT4RC	4	2,50 - 5,50	4,00 - 5,50	4.5 - 11.0	4.5 - 6.0	.014	0,34				●	
		Links												
		NT4LC	4	2,50 - 5,50	4,00 - 5,50	4.5 - 11.0	4.5 - 6.0	.014	0,34		●			

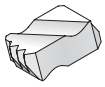
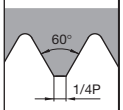
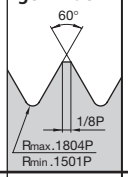
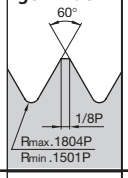
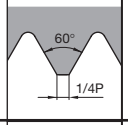
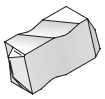
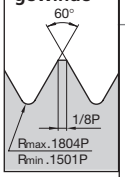
Bestellbeispiel:
Katalognummer: NT2RK
Schneidstoffsorte: KC730

TOP NOTCH Gewindeschneidplatten

Schneidstoffauswahl und Abmessungen

		Katalognummer	Abmessungen: Wende-schneid-plattengröße	Steigung (mm) außen	Steigung (mm) innen	TPI Steigung Gänge/Zoll außen	TPI Steigung Gänge/Zoll innen	Schneideckenradius Zoll	Schneideckenradius mm	K313	KC720	KC730	KC850	KC950
NTF	Teilprofil 60° 	**Rechts**												
		NTF2R	2	0,60 - 1,75	1,00 - 2,00	14.0 - 44.0	12.0 - 24.0	.003	0,08			●	●	
		NTF3R	3	0,60 - 2,50	1,00 - 2,50	10.0 - 44.0	9.0 - 24.0	.003	0,08			●	●	●
		NTF4R	4	0,60 - 2,50	1,00 - 2,50	10.0 - 44.0	9.0 - 24.0	.003	0,08				●	
		Links												
		NTF2L	2	0,60 - 1,75	1,00 - 2,00	14.0 - 44.0	12.0 - 24.0	.003	0,08			●	●	
		NTF3L	3	0,60 - 2,50	1,00 - 2,50	10.0 - 44.0	9.0 - 24.0	.003	0,08			●	●	
NTK	Teilprofil 60° 	**Rechts**												
		NTK2R	2	0,60 - 1,75	1,00 - 2,00	14.0 - 44.0	12.0 - 24.0	.003	0,08			●	●	
		NTK3R	3	0,60 - 2,50	1,00 - 2,50	10.0 - 44.0	9.0 - 24.0	.003	0,08			●	●	
		Links												
		NTK2L	2	0,60 - 1,75	1,00 - 2,00	14.0 - 44.0	12.0 - 24.0	.003	0,08			●	●	
		NTK3L	3	0,60 - 2,50	1,00 - 2,50	10.0 - 44.0	9.0 - 24.0	.003	0,08			●	●	
NTU	Teilprofil 60° Außen-gewinde 	**Rechts**												
		NTU4R	4	1,25 - 6,25	-	4.0 - 20.0	-	.005	0,11				●	
NTC-E	Vollprofil American UN-Außen-gewinde 	**Rechts**												
		NTC3R8E	3	-	-	8.0	-	.016	0,41			●	●	
		NTC3R10E	3	-	-	10.0	-	.012	0,32			●		
		NTC3R12E	3	-	-	12.0	-	.010	0,25			●	●	
		NTC3R13E	3	-	-	13.0	-	.010	0,24			●		
		NTC3R14E	3	-	-	14.0	-	.009	0,22			●		
		NTC3R16E	3	-	-	16.0	-	.008	0,19			●	●	●
		NTC3R18E	3	-	-	18.0	-	.007	0,18			●	●	
		NTC3R20E	3	-	-	20.0	-	.006	0,16			●		
		NTC3R24E	3	-	-	24.0	-	.005	0,13			●		
		NTC3R28E	3	-	-	28.0	-	.005	0,12			●		
		NTC3R32E	3	-	-	32.0	-	.004	0,10			●		
		Links												
		NTC3L8E	3	-	-	8.0	-	.016	0,41			●		
NTC-I	Vollprofil American UN-Außen-gewinde 	**Links**												
		NTC3L8I	3	-	-	-	8.0	.007	0,18			●		
		NTC3L10I	3	-	-	-	10.0	.005	0,13			●		
		NTC3L12I	3	-	-	-	12.0	.004	0,10			●		

Bestellbeispiel:
Katalognummer: NTF2R
Schneidstoffsorte: KC730

		Katalognummer	Abmessungen: Wende-schneid-platten-größe	Steigung (mm) außen	Steigung (mm) innen	TPI Steigung Gänge/Zoll außen	TPI Steigung Gänge/Zoll innen	Schneideneckenradius Zoll	Schneideneckenradius mm	K313	KC720	KC730	KC850	KC950
NTC-IM (MULTI-TOOTH)	**Vollprofil American UN-Innen-gewinde**	**Links**												
		**NTC8L12IM**	8	-	-	-	12.0	.005	0,13			●		
NJ	**Teilprofil UNJ Außen-gewinde**	**Rechts**												
		**NJ3020R8**	3	-	-	8.0	-	.019	0,49			●		
		NJ3014R12	3	-	-	12.0	-	.013	0,33			●	●	
		Links												
		NJ3014L12	3	-	-	12.0	-	.013	0,33				●	
NJP	**Teilprofil UNJ Außen-gewinde**	**Rechts**												
		**NJP3020R8**	3	-	-	8.0	-	.019	0,49				●	
		NJP3014R12	3	-	-	12.0	-	.013	0,33			●	●	
		NJP3010R16	3	-	-	16.0	-	.010	0,25			●		
		Links												
		NJP3014L12	3	-	-	12.0	-	.013	0,33			●		
		NJP3010L16	3	-	-	16.0	-	.010	0,25				●	
NJF	**Teilprofil UNJ Außen-gewinde**	**Rechts**												
		**NJF3010R16**	3	-	-	16.0	-	.010	0,25			●		
		NJF3009R18	3	-	-	18.0	-	.009	0,22			●		
		NJF3008R20	3	-	-	20.0	-	.008	0,20			●		
NJK	**Teilprofil UNJ Außen-gewinde**	**Rechts**												
		**NJK3005R32**	3	-	-	32.0	-	.005	0,13			●		
		NJK3006R28	3	-	-	28.0	-	.006	0,15			●		
		NJK3007R24	3	-	-	24.0	-	.007	0,17			●		
		NJK3008R20	3	-	-	20.0	-	.008	0,20			●		
		NJK3009R18	3	-	-	18.0	-	.009	0,22			●		
		NJK3010R16	3	-	-	16.0	-	.010	0,25			●		
		Links												
		NJK3008L20	3	-	-	20.0	-	.008	0,20			●		

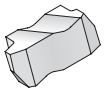
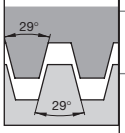
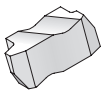
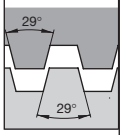
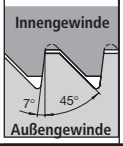
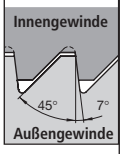
Bestellbeispiel:
Katalognummer: NTC8L12IM
Schneidstoffsorte: KC730

TOP NOTCH Gewindeschneidplatten

Schneidstoffauswahl und Abmessungen

		Katalognummer	Abmessungen					K313	KC720	KC730	KC850	KC950
			Wende-schneid-plattengröße	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/Fuß	Schneideneckenradius Zoll	Schneideneckenradius mm					
NDC-V	**Vollprofil NPT**	**Rechts**										
		NDC38VR75	3	8.0	.750	.005	0,13			●		
		NDC3115VR75	3	11.5	.750	.004	0,10			●		
		NDC314VR75	3	14.0	.750	.003	0,08			●		
		NDC318VR75	3	18.0	.750	.003	0,08			●		
		Links										
		NDC38VL75	3	8.0	.750	.005	0,13			●		
		NDC3115VL75	3	11.5	.750	.004	0,10			●		
NDC-V-M (MEHR-ZAHN)	**Vollprofil NPT**	**Rechts**										
		NDC88VR75M	8	8.0	.750	.005	0,13			●		
		NDC8115VR75M	8	11.5	.750	.004	0,10			●		
ND	**Vollprofil API Drehschulterverbindungen**	**Rechts**										
		ND3040R	3	5.0	-	.018	0,45				●	
		ND4040R	4	5.0	-	.018	0,45			●		
		ND4050R	4	4.0	-	.023	0,57				●	
		Links										
		ND3040L	3	5.0	-	.018	0,45				●	
NDC	**Vollprofil API Drehschulterverbindungen**	**Rechts**										
		NDC4038R2	4	4.0	2.0	.036	0,90			●		
		NDC4050R2	4	4.0	2.0	.023	0,57			●		
		Links										
		NDC4038L2	4	4.0	2.0	.036	0,90			●		
		NDC4050L2	4	4.0	2.0	.023	0,57			●		
NDC-RD	**Vollprofil API Rundgewinde**	**Rechts**										
		NDC38RDR75	3	8.0	.750	.017	0,43			●	●	
		NDC310RDR75	3	10.0	.750	.014	0,36				●	
		NDC38RDL75	3	8.0	.750	.017	0,43			●	●	
		NDC310RDL75	3	10.0	.750	.014	0,36			●	●	
NDC-RD-M (MEHR-ZAHN)	**Vollprofil API Rundgewinde**	**Rechts**										
		NDC88RDR75M	8	8.0	.750	.016	0,41			●		

Bestellbeispiel:
Katalognummer: NDC38VR75
Schneidstoffsorte: KC730

		Katalognummer	Abmessungen: Wende-schneid-plattengröße	TPI Steigung Gänge/Zoll	TPF Kegel Zoll/Fuß	Schneideneckenradius: Zoll	Schneideneckenradius: mm	K313	KC720	KC730	KC850	KC950
NA	**Teilprofil Acme**	**Rechts**										
		**NA3R4**	3	4.0	-	-	-			●	●	
		NA3R5	3	5.0	-	-	-				●	
		NA3R6	3	6.0	-	-	-				●	
		NA3R8	3	8.0	-	-	-			●	●	
		NA3R10	3	10.0	-	-	-				●	
		NA3R12	3	12.0	-	-	-				●	
		NA4R4	4	4.0	-	-	-			●	●	
		NA4R5	4	5.0	-	-	-				●	
		NA4R6	4	6.0	-	-	-				●	
		NA6R2	6	2.0	-	-	-			●		
		NA6R3	6	3.0	-	-	-			●		
		Links										
		NA3L4	3	4.0	-	-	-			●	●	
		NA3L5	3	5.0	-	-	-				●	
		NA3L6	3	6.0	-	-	-			●	●	
		NA3L8	3	8.0	-	-	-				●	
		NA4L4	4	4.0	-	-	-			●	●	
		NA4L6	4	6.0	-	-	-				●	
		NA6L2	6	2.0	-	-	-			●		
NAS	**Teilprofil Acme, verkürzt**	**Rechts**										
		**NAS3R6**	3	6.0	-	-	-			●		
		NAS3R8	3	8.0	-	-	-			●	●	
		NAS3R12	3	12.0	-	-	-			●		
		Links										
		NAS3L6	3	6.0	-	-	-			●		
		NAS3L8	3	8.0	-	-	-			●	●	
		NAS3L12	3	12.0	-	-	-			●		
NTB-A	**Teilprofil Amerik. Buttress (Druck)**	**Rechts**										
		**NTB3RA**	3	8.0 - 16.0	-	.007	0,17			●		
		Links										
		NTB3LA	3	8.0 - 16.0	-	.007	0,17			●		
NTB-B	**Teilprofil Amerik. Buttress**	**Rechts**										
		**NTB2RB**	2	16.0 - 20.0	-	.003	0,08			●		
		NTB3RB	3	8.0 - 16.0	-	.007	0,17			●		
		NTB4RB	4	4.0 - 6.0	-	.010	0,25			●		
		Links										
		NTB2LB	2	16.0 - 20.0	-	.003	0,08			●		
		NTB3LB	3	8.0 - 16.0	-	.007	0,17			●		
		NTB4LB	4	4.0 - 6.0	-	.010	0,25			●		

Bestellbeispiel:
Katalognummer: NA3R4
Schneidstoffsorte: KC730



Universal-Bithalter

Katalog-nummer	
DRIVER	



Bits

Katalog-nummer	Bitlänge (mm)	⬡ Sechskantgröße	✡ Torx-Größe	✡ Torx Plus-Größe
170.179	25,0	2,5		
170.180	25,0	3,0		
170.181	25,0	4,0		
BT6	25,0		6	
BT7	25,0		7	
BT8	25,0		8	
BT9	25,0		9	
BT10	25,0		10	
170.175	29,0		15	
170.177	70,0		15	
170.176	30,0		20	
170.258	25,0		25	
170.259	65,0		25	
170.256	25,0		27	
170.257	65,0		27	
BT25IP	25,0			25 IP
BTE25IP	50,8			25 IP
BT27IP	25,0			27 IP
BTE27IP	50,8			27 IP



Schraubendreher

Katalog-nummer	Pakete	⬡ Sechskantgröße	✡ Torx-Größe	✡ Torx Plus-Größe
DT6			T6	
DT7			T7	
DT8			T8	
DT9			T9	
DT10			T10	
DT15			T15	
DT20			T20	
	TWS1		T6 - T15	
DT8IP				8 IP
DT9IP				9 IP
DT10IP				10 IP
DT15IP				15 IP
DT20IP				20 IP
DT25IP				25 IP
DT27IP				27 IP
DT30IP				30 IP
DT40IP				40 IP



Schraubendreher mit Fahnengriff

Katalog-nummer	⬡ Sechskantgröße	✡ Torx-Größe	✡ Torx Plus-Größe
FT5		T5	
FT6		T6	
FT8		T8	
FT9		T9	
FT10		T10	
FT1015		T10/T15	
FT15		T15	
FT1535	3,5	T15	
FT154	4,0	T15	
FT20		T20	
FT205	5,0	T20	



Winkelschlüssel

Katalog-nummer	Pakete	⬡ Sechskantgröße	✲ Torx-Größe	✲ Torx Plus-Größe
170.000		1,5		
170.001		2,0		
170.002		2,5		
170.003		3,0		
170.004		4,0		
170.005		5,0		
170.006		6,0		
170.008		8,0		
170.009		9,0		
170.010		10,0		
170.011		12,0		
	MW9	1,27 - 8,0		
KT5			T5	
KT6			T6	
KT7			T7	
KT8			T8	
KT9			T9	
KT10			T10	
KT15			T15	
KT15PKG			T15	
KT20			T20	
KT20PKG			T20	
KT25			T25	
KT25PKG			T25	
KT27			T27	
KT27PKG			T27	
KT30			T30	
KT45			T45	
	KT6PKG (5 pieces)		T6	
	KT7PKG (5 pieces)		T7	
	KT8PKG (5 pieces)		T8	
	KT9PKG (5 pieces)		T9	
K8IP				8 IP
K9IP				9 IP
K10IP				10 IP
K15IP				15 IP
K20IP				20 IP
K25IP				25 IP
K27IP				27 IP
K30IP				30 IP
K40IP				40 IP

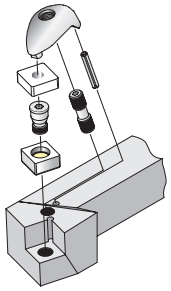


T-Griff-Schraubendreher

Katalog-nummer	⬡ Sechskantgröße	✲ Torx-Größe	✲ Torx Plus-Größe
KW078	5/64		
KW093	3/32		
KW109	7/64		
KW125	1/8		
KW156	5/32		
KW187	3/16		
KW218	7/32		
TT10		T10	
TT15		T15	
TT20		T20	
TT25		T25	
TT30		T30	
TTP8			8 IP
TTP9			9 IP
TTP10			10 IP
TTP15			15 IP
TTP20			20 IP
TTP27			27 IP

Empfohlene Anzugsmomente

KENCLAMP



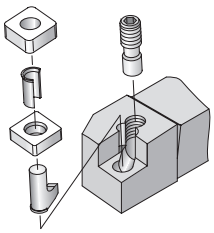
Schraube für Unterlage

Katalog-nummer	Gewinde-größe	Ober-antrieb Torx plus	Unter-antrieb	Empfohlenes Anzugsmoment Nm	in-lbs	ft-lbs
KMSP39IP	**M5 x 0,8**	**9IP**	**-**	6	53	4
KMSP415IP	**M6,3 x 1,0**	**15IP**	**-**	6	53	4
KMSP4S15IP	**M6,3 x 1,0**	**15IP**	**-**	6	53	4
KMSP515IP	**M8 x 1,0**	**15IP**	**-**	7	58	5
KMSP5S15IP	**M8 x 1,0**	**15IP**	**-**	7	58	5
KMSP625IP	**M10 x 1,0**	**25IP**	**-**	17	150	12
KMSP840IP	**M12 x 1,25**	**40IP**	**-**	33	292	24

Schraube für Spannelement

Katalog-nummer	Gewinde-größe	Ober-antrieb Torx plus	Unter-antrieb Torx plus	Empfohlenes Anzugsmoment Nm	in-lbs	ft-lbs
STCM1115IP	**M6 x 1,0**	**15IP**	**15IP**	7	58	5
STCM119IP	**M6 x 1,0**	**9IP**	**9IP**	6	53	4
STCM1940IP	**M10 x 1,25**	**40IP**	**40IP**	33	292	24
STCM4127IP	**M8 x 1,0**	**27IP**	**27IP**	20	177	14
STCM425IP	**M8 x 1,0**	**25IP**	**25IP**	17	150	12
STCM825IP	**M8 x 1,0**	**25IP**	**25IP**	17	150	12

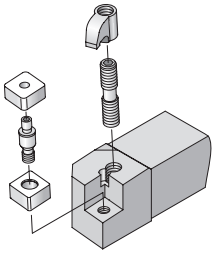
KENLEVER



Hebelschraube

Katalog-nummer	Gewinde-größe	Ober-antrieb Torx plus	Unter-antrieb Torx plus	Empfohlenes Anzugsmoment Nm	in-lbs	ft-lbs
514.111	**M5 x 0,8**	**8IP**	**-**	2	18	1.5
514.112	**M5 x 0,8**	**8IP**	**-**	2	18	1.5
514.118	**M6 x 1,0**	**10IP**	**10IP**	4	35	3.0
514.122	**M6 x 1,0**	**10IP**	**-**	4	35	3.0
514.123	**M8 x 1,0**	**15IP**	**15IP**	7	58	5.0
514.124	**M8 x 1,0**	**15IP**	**-**	7	58	5.0
514.125	**M8 x 1,0**	**15IP**	**-**	7	58	5.0
514.128	**M8 x 1,0**	**15IP**	**15IP**	7	58	5.0
514.133	**M10 x 1,0**	**25IP**	**25IP**	12	106	9.0
514.138	**M10 x 1,0**	**30IP**	**30IP**	17	150	12.0

KENLOC - Zoll



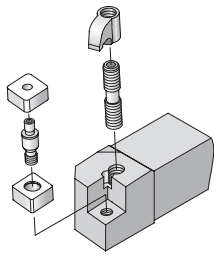
Spannstift

Katalog-nummer	Gewinde-größe	Ober-antrieb Sechs-kant (Zoll)	Unter-antrieb Sechs-kant (Zoll)	Empfohlenes Anzugsmoment Nm	in-lbs	ft-lbs
KL23	**#8-32**	-	1/16	1,5	13	1.0
KL33	**#10-32**	5/64	5/64	1,7	15	1.2
KL33L	**#10-32**	5/64	5/64	1,7	15	1.2
KL34	**#10-32**	5/64	5/64	1,7	15	1.2
KL34L	**#10-32**	5/64	5/64	1,7	15	1.2
KL44	**1/4-28**	3/32	3/32	3,3	30	2.5
KL46	**1/4-28**	3/32	3/32	3,3	30	2.5
KL46L	**1/4-28**	3/32	3/32	3,3	30	2.5
KL57	**5/16-24**	1/8	1/8	5,5	50	4.0
KL58	**5/16-24**	1/8	1/8	5,5	50	4.0
KL58L	**5/16-24**	1/8	1/8	5,5	50	4.0
KL68	**3/8-24**	9/64	9/64	8,0	70	5.6
KL68L	**3/8-24**	9/64	9/64	8,0	70	5.6
KL810	**7/16-20**	5/32	5/32	9,0	80	6.4
KLC33	**M5 x 0,8**	5/64	5/64	1,7	15	1.2
KLC33L	**M5 x 0,8**	5/64	5/64	1,7	15	1.2
KLC34L	**M5 x 0,8**	5/64	5/64	1,7	15	1.2
KLC43	**M5 x 0,8**	5/64	5/64	1,7	15	1.2
KLC44	**M6,3 x 1**	3/32	3/32	3,3	30	2.5
KLC46	**M6,3 x 1**	3/32	3/32	3,3	30	2.5
KLC46L	**M6,3 x 1**	3/32	3/32	3,3	30	2.5
KLC46S	**M6,3 x 1**	3/32	3/32	3,3	30	2.5
KLC54	**M6,3 x 1**	3/32	3/32	3,3	30	2.5
KLC56	**M8 x 1**	1/8	1/8	5,5	50	4.0
KLC58	**M8 x 1**	1/8	1/8	5,5	50	4.0
KLC68	**M10 x 1**	9/64	9/64	8,0	70	5.6
KLC810	**M12 x 1,25**	5/32	5/32	9,0	80	6.4

Schraube für Spannelement

Katalog-nummer	Gewinde-größe	Oberantrieb Sechskant (Zoll)	Unterantrieb Sechskant (Zoll)	Empfohlenes Anzugsmoment Nm	in-lbs	ft-lbs
STC2	5/16 - 24	5/32	5/32	10,8	96	8
STC3	1/2 - 20	1/4	1/4	40,3	357	30
STC4	5/16 - 24	5/32	5/32	10,8	96	8
STC5	10 - 32	3/32	3/32	2,3	21	1.6
STC8	5/16 - 24	5/32	5/32	10,8	96	8
STC9	10 - 32	3/32	3/32	2,3	21	1.6
STC11	1/4 - 28	1/8	1/8	5,4	48	4
STC12	1/4 - 28	1/8	1/8	5,4	48	4
STC19	3/8 - 24	3/16	3/16	18,8	167	13.9
STC20	1/4 - 28	1/8	1/8	5,4	48	4
STC25	10 - 32	3/32	3/32	2,3	21	1.6
STC26	1/4 - 28	1/8	1/8	5,4	48	4
STC27	8 - 36	5/64	5/64	1,4	12	1
STC30	6 - 40	1/16	1/16	0,7	6	5
STC32	1/4 - 28	1/8	1/8	5,4	48	4
STC34	10 - 32	3/32	3/32	2,3	21	1.6
STC35	1/4 - 28	1/8	1/8	5,4	48	4
STC36	1/4 - 28	3/32	3/32	2,3	21	1.6
STCC-8	M8X1	9/64	9/64	11,8	105	8.8
STCC-9	M5x0,8	3/32	3/32	3,1	28	2.3
STCC-11	M6X1	1/8	1/8	5,1	45	3.8
STCC-20	M6x1	1/8	1/8	5,1	45	3.8
STCC-37	M8x1	3/32	3/32	11,8	105	8.8
STCC-38	M5x0,8	5/64	5/64	3,1	28	2.3
STCC-39	M10X1,25	1/8	1/8	35,0	206	25.9
STCC-40	M6x1	3/32	3/32	5,1	45	3.8

KENLOC – Metrisch



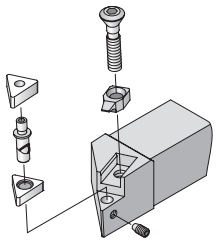
Spannstift

Katalog-nummer	Gewinde-größe	Ober-antrieb Sechs-kant (mm)	Unter-antrieb Sechs-kant (mm)	Empfohlenes Anzugsmoment Nm	in-lbs	ft-lbs
KLM23	**M4 x 0,7**	-	1,5	1,5	13	1.0
KLM33	**M5 x 0,8**	2,0	2,0	1,7	15	1.2
KLM33L	**M5 x 0,8**	2,0	2,0	1,7	15	1.2
KLM34	**M5 x 0,8**	2,0	2,0	1,7	15	1.2
KLM34L	**M5 x 0,8**	2,0	2,0	1,7	15	1.2
KLM43	**M5 x 0,8**	2,0	2,0	1,7	15	1.2
KLM44	**M6,3 x 1**	2,5	2,5	3,3	30	2.5
KLM46	**M6,3 x 1**	2,5	2,5	3,3	30	2.5
KLM46L	**M6,3 x 1**	2,5	2,5	3,3	30	2.5
KLM46S	**M6,3 x 1**	2,5	2,5	3,3	30	2.5
KLM54	**M6,3 x 1**	2,5	2,5	3,3	30	2.5
KLM56	**M8 x 1**	3,0	3,0	5,5	50	4.0
KLM58	**M8 x 1**	3,0	3,0	5,5	50	4.0
KLM58L	**M8 x 1**	3,0	3,0	5,5	50	4.0
KLM66	**M10 x 1**	4,0	4,0	8,0	70	5.6
KLM66L	**M10 x 1**	4,0	4,0	8,0	70	5.6
KLM68	**M10 x 1**	4,0	4,0	8,0	70	5.6
KLM68L	**M10 x 1**	4,0	4,0	8,0	70	5.6
KLM810	**M12 x 1,25**	4,0	4,0	9,0	80	6.4

Schraube für Spannelement

Katalog-nummer	Gewinde-größe	Oberantrieb Sechskant (mm)	Unterantrieb Sechskant (mm)	Empfohlenes Anzugsmoment Nm	in-lbs	ft-lbs
STCM4	**M8 x 1**	4,0	4,0	17,0	150	12.0
STCM5	**M5 x 0,8**	2,5	2,5	4,0	35	3.0
STCM8	**M8 x 1**	4,0	4,0	17,0	150	12.0
STCM9	**M5 x 0,8**	2,5	2,5	4,0	35	3.0
STCM11	**M6 x 1**	3,0	3,0	6,0	53	4.4
STCM19	**M10 x 1,25**	5,0	5,0	8,0	71	5.9
STCM20	**M6 x 1**	3,0	3,0	7,0	62	5.2
STCM24	**M10 x 1,25**	5,0	5,0	33,0	292	24.3
STCM25	**M5 x 0,8**	2,5	2,5	4,0	35	3.0
STCM26	**M6 x 1**	3,0	3,0	7,0	62	5.2
STCM27	**M4 x 0,7**	2,0	2,0	2,1	19	1.5
STCM32	**M6 x 1**	3,0	3,0	7,0	62	5.2
STCM35	**M6 x 1**	3,0	3,0	7,0	62	5.2
STCM37	**M8 x 1**	2,5	2,5	4,2	37	3.1
STCM38	**M5 x 0,8**	2,0	2,0	2,1	19	1.5
STCM39	**M10 x 1,25**	3,0	3,0	8,0	71	5.9
STCM40	**M6 x 1**	2,5	2,5	4,2	37	3.1

WEDGELOCK



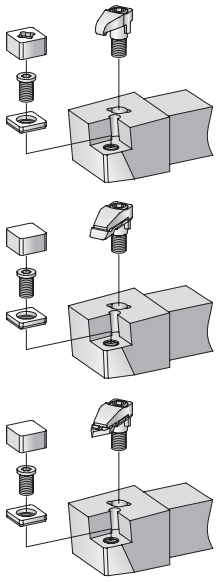
Spannstift

Katalog-nummer	Gewinde-größe	Ober-antrieb Sechskant (Zoll)	Unter-antrieb Sechskant (Zoll)	Empfohlenes Anzugsmoment Nm	in-lbs	ft-lbs
FPE5	**#10-24**	**1/16**	**3/32**	1,5	13	1.0
FPE6	**#10-24**	**3/32**	**3/32**	3,3	30	2.5
		Torx				
FP453	**M4 x 0,5**	**T10**	**T10**	1,7	15	1.2
FP477	**M4 x 0,5**	**T10**	**T10**	1,7	15	1.2
		Sechskant (mm)				
192.159	**M6 x 1**	**3**	**-**	4,0	35	3.0
		Torx				
192.636	**M4 x 0,7**	**T15**	**-**	2,6	23	2.0

Schraube für Spannelement/Spannelement komplett

Katalog-nummer	Gewinde-größe	Ober-antrieb Sechskant (Zoll)	Unter-antrieb	Empfohlenes Anzugsmoment Nm	in-lbs	ft-lbs
S986	**1/4 - 20**	**5/32**	-	8,0	73	6.1
S987	**5/16 - 18**	**3/16**	-	9,0	80	6.6
MS1372	**M6 x 1,0**	**T25**	-	9,0	80	6.6
		Sechskant (mm)	Sechskant (mm)			
551.125	**M5 x 0,8**	**3**	3	7,0	58	5.0
551.126	**M6 x 1,0**	**3**	3	7,0	58	5.0
551.131	**M5 x 0,8**	**3**	3	7,0	58	5.0

MTS



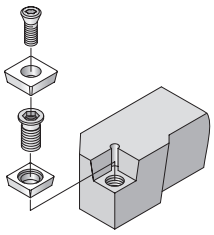
Schraube für Unterlage

Katalog-nummer	Gewinde-größe	Ober-antrieb Torx	Unter-antrieb	Empfohlenes Anzugsmoment Nm	in-lbs	ft-lbs
554.260	**M6 x 1,0**	**T20**	-	5,0	44	4.0
554.261	**M8 x 1,0**	**T25**	-	8,0	71	6.0
		Sechskant (mm)				
554.252	**M6 x 1,0**	**2,5**	-	3,0	27	2.2
554.253	**M8 x 1,0**	**3,0**	-	6,0	53	4.0
554.254	**M5 x 0,8**	**2,5**	-	3,0	27	2.2

Spannelement komplett / Spannstift

Katalog-nummer	Gewinde-größe	Ober-antrieb Torx	Unter-antrieb Torx	Empfohlenes Anzugsmoment Nm	in-lbs	ft-lbs
551.326	**M8 x 1,25**	T25	T25	8,0	71	6.0
551.327	**M8 x 1,25**	T25	T25	8,0	71	6.0
551.342	**M8 x 1,25**	T25	T25	8,0	71	6.0
		Sechskant (mm)	Sechskant (mm)			
551.251	**M8 x 1,25**	4,0	4,0	8,0	71	6.0
551.252	**M8 x 1,25**	4,0	4,0	8,0	71	6.0
551.253	**M8 x 1,25**	4,0	4,0	8,0	71	6.0
551.254	**M8 x 1,25**	4,0	4,0	8,0	71	6.0
551.255	**M8 x 1,25**	4,0	4,0	8,0	71	6.0
551.256	**M8 x 1,25**	4,0	4,0	8,0	71	6.0
551.257	**M8 x 1,25**	4,0	4,0	8,0	71	6.0
551.260	**M8 x 1,25**	4,0	4,0	8,0	71	6.0
551.261	**M8 x 1,25**	4,0	4,0	8,0	71	6.0
551.316	**M8 x 1,25**	4,0	4,0	8,0	71	6.0
551.317	**M8 x 1,25**	4,0	4,0	8,0	71	6.0
551.332	**M8 x 1,25**	4,0	4,0	8,0	71	6.0
551.333	**M8 x 1,25**	4,0	4,0	8,0	71	6.0
554.016	**M6 x 1,0**	2,5	2,5	3,0	27	2.2
554.017	**M8 x 1,0**	3,0	3,0	6,0	53	4.0
554.018	**M5 x 0,8**	2,0	2,0	1,7	15	1.3

Empfohlene Anzugsmomente



SCREW-ON

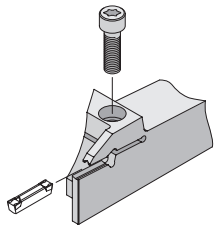
Schraube für Unterlage

Katalog-nummer	Gewinde-größe	Ober-antrieb Sechskant (Zoll)	Unter-antrieb	Empfohlenes Anzugsmoment Nm	in-lbs	ft-lbs
MS1028	**M3 x 0,5 (innen) M5 x 0,8 (außen)**	3/32	-	1,7	15	1.00
		Sechskant (mm)				
SRS3	**M3,5 x 0,6 (innen) M5 x 0,5 (außen)**	3,5	-	2,2	20	1.66
SRS4	**M4 x 0,5 (innen) M6 x 0,75 (außen)**	4,0	-	2,6	23	2.00
SRS5	**M5 x 0,8 (innen) M8 x 0,75 (außen)**	5,0	-	2,8	25	2.00
SRS6	**M6 x 1,0 (innen) M10 x 0,75 (außen)**	6,0	-	3,4	30	2.50

Schraube für Wendeschneidplatte

Katalog-nummer	Gewinde-größe	Ober-antrieb Torx	Unter-antrieb	Empfohlenes Anzugsmoment Nm	in-lbs	ft-lbs
MS1017	**M2,5 x 0,45**	**T7**	-	1,00	8	0.60
MS1018	**M4 x 0,7**	**T15**	-	2,60	23	2.00
MS1019	**M3 x 0,5**	**T8**	-	1,70	15	1.00
MS1022	**M3 x 0,5**	**T8**	-	1,70	15	1.00
MS1023	**M2,5 x 0,45**	**T7**	-	1,00	8	0.60
MS1026	**M2,2 x 0,45**	**T7**	-	1,00	8	0.60
MS1027	**M3 x 0,5**	**T9**	-	1,70	15	1.00
MS1129	**M4,5 x 0,75**	**T15**	-	3,80	34	3.00
MS1152	**M2,2 x 0,45**	**T7**	-	1,00	8	0.60
MS1153	**M2,5 x 0,45**	**T7**	-	1,00	8	0.60
MS1154	**M3 x 0,5**	**T9**	-	1,70	15	1.00
MS1155	**M3,5 x 0,6**	**T15**	-	1,70	15	1.00
MS1156	**M3,5 x 0,6**	**T15**	-	1,70	15	1.00
MS1157	**M4 x 0,5**	**T15**	-	2,60	23	2.00
MS1158	**M4 x 0,5**	**T15**	-	2,60	23	2.00
MS1159	**M5 x 0,8**	**T20**	-	5,10	45	4.00
MS1160	**M5 x 0,8**	**T20**	-	5,10	45	4.00
MS1161	**M6 x 1**	**T25**	-	8,80	77	6.00
MS1162	**M6 x 1**	**T25**	-	8,80	77	6.00
MS1163	**M8 x 1,25**	**T30**	-	21,00	186	15.00
MS1438	**M1,8 x 0,35**	**T5**	-	0,34	3	0.25
MS1454	**M1,8 x 0,35**	**T5**	-	0,34	3	0.25
MS1571	**M5 x 0,8**	**T20**	-	5,10	45	4.00
MS1863	**M2 x 0,4**	**T6**	-	0,47	4	0.33
MS1864	**M2,5 x 0,45**	**T8**	-	1,00	8	0.60
MS1871	**M4 x 0,7**	**T15**	-	2,60	23	2.00
MS1933	**M2,2 x 0,45**	**T7**	-	1,00	8	0.60
MS1939	**M2,5 x 0,45**	**T7**	-	1,00	8	0.60
SSA3T	**#5-40**	**T10**	-	1,70	15	1.00
SSA4T	**#8-32**	**T20**	-	2,60	23	2.00
SSN2T	**M2,6 x 0,45**	**T8**	-	1,10	10	0.80

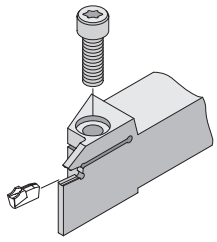
A4



Schraube für Spannelement

Katalog-nummer	Gewinde-größe	Ober-antrieb Torx	Unter-antrieb	Empfohlenes Anzugsmoment Nm	in-lbs
MS1162	**M6 x 1,0**	T25	-	8.8	77
MS1490	**M8 x 1,25**	T45	-	21	186
MS1595	**M6 x 1,0**	T30	-	8.8	77
MS1970	**M6 x 1,0**	T30	-	8.8	77
MS2002	**M6 x 1,0**	T25	-	8.8	77
MS2089	**M5 x 0,8**	25IP	-	5.1	45
MS2091	**M5 x 0,8**	25IP	-	5.1	45
		Sechskant (mm)			
MS2090	**M3 x 0,5**	1,5	-	1.7	15
193.407	**M5 x 0,8**	2,5	-	5.1	45

A3



Schraube für Spannelement

Katalog-nummer	Gewinde-größe	Ober-antrieb Torx	Unter-antrieb	Empfohlenes Anzugsmoment Nm	in-lbs
MS1160	**M5 x 0,8**	20	-	5.1	45
MS1162	**M6 x 1,0**	25	-	8.8	77
MS1163	**M8 x 1,25**	30	-	21	186
MS1488	**M3,5 x 0,6**	15	-	1.7	15
MS1571	**M5 x 0,8**	20	-	5.1	45
MS1595*	**M6 x 1,0**	30	-	8.8	77
MS1595	**M6 x 1,0**	30	-	8.8	77
MS1875	**M8 x 1,25**	45	-	21	186
MS1944	**M4 x 0,5**	25	-	5.1	45
MS2002	**M6 x 1,0**	25	-	8.8	77
191.916	**M4 x 0,5**	15	-	2.6	23

* für eine Klemmhalter-Einstechtiefe größer oder gleich 26 mm

Eigenschaften und Kompatibilität der Torx Plus- und Torx-Systeme



Torx Plus-System

Das Torx Plus-System verfügt über ein elliptisches Profil und stellt eine verbesserte Version des ursprünglichen Torx-Systems dar.



Torx-System

Das Torx-System verfügt über ein abgerundetes Profil und bietet zahlreiche Vorteile gegenüber anderen Systemen.



Systemkompatibilität

Der Torx Plus-Einsatz ist mit den vorhandenen Werkzeugen des Torx-Systems kompatibel.

Werkstoff-Vergleichstabelle

Stahl

Werkstoffgruppe	Werkstoff-Nr.	Deutschland DIN	Frankreich AFNOR	Großbritannien BS	Italien UNI	Schweden SS	Spanien UNE	U.S.A. AISI/SAE UNS	Japan JIS
	Unlegierter Stahl, Stahlguss, Automatenstahl								
P1	1.0332	St14		14491CR		1447		1008	
P1	1.1121	Ck10	CC10	040A10		1264		1010	S10C
P1	1.0721	10S20		210M15				1108	
P1	1.0401	C15	CC12	080M15	C15C16	1350	F.111	1015	S15C
P1	1.0402	C22	CC20	050A20	C20C21	1450	F.112	1020	S20C,S22C
P1	1.1141	Ck15	XC12	080M15	C16	1370	C15K	1015	S15C
P1	1.0036	USt37-3			FE37BFU				
P1	1.0715	9SMn28	S250	230M07	CF9SMn28	1912	11SMn28	1213	SUM22
P1	1.0718	9SMnPb28	S250Pb		CF9SMnPb28	1914	11SMnPb28	12L3	SUM22L
P2	1.0501	C35	CC35	060A35	C35	1550	F.113	1035	S35C
P2	1.0503	C45	CC45	080M46	C45	1650	F.114	1045	S45C
P2	1.1158	Ck25	XC25	070M25	C25			1025	S25C
P2	1.1183	Cf35	XC38TS	060A35	C36	1572		1035	S35C
P2	1.1191	Ck45	XC42	080M46	C45	1672	C45K	1045	S45C
P2	1.1213	Cf53	XC48TS	060A52	C53	1674		1050	S50C
P3	1.5415	15Mo3	15D3	1501-240	16Mo3KW	2912	16Mo3	ASTMA204GrA	
P3	1.5423	16Mo5		1503-245-420	16Mo5		16Mo5	4520	SB450M
P1	1.0050	St50-2			FE50				SM50YA
P3	1.7242	16CrMo 4	18CrMo4			18CrMo4			
P3	1.7337	16CrMo 4 4			A18CrMo45KW			A387Gr.12Cl.	
P3	1.7362	12CrMo 19 5	Z10CD5.05	3606-625	16CrMo205				
P1	1.0060	St60-2			FE60-2				SM570
P2	1.0535	C55		070M55	C55	1655		1055	S55C
P2	1.0601	C60	CC55	080A62	C60			1060	S60C
P2	1.1203	Ck55	XC55	070M55	C50		C55K	1055	S55C
P2	1.1221	Ck60	XC60	080A62	C60	1678		1060	S58C
P3/4	1.1545	C1051			C100KU				SK3
P3/4	1.1545	C105W1			C100KU				SK3
P1	1.0070	St70-2			FE70-2				
P3/4	1.7238	49CrMo4							
P3/4	1.7561	42CrV6							
P3/4	1.7701	51CrMoV4	51CDV4		51CrMoV4				
	Niedrig legierter Stahl, Stahlguss, Automatenstahl								
P3/4	1.2067	100Cr6	Y100C6	BL3			100Cr6	L3	SUJ2
P3/4	1.2210	115CrV3	100C3		107CrV3KU			L2	
P3/4	1.2241	51CrV4							
P3/4	1.2419	105WCr6	105WC13		10WCr6	2140	105WCr5		SKS31
P3/4	1.2419	105WCr6	105WC13		107WCr5KU				SKS31
P3/4	1.2542	45WCrV7		BS1	45WCrV8KU	2710	45WCrSi8	S1	
P3/4	1.2550	60WCrV7	55WC20		58WCr9KU	~2710		S1	
P3/4	1.2713	55NiCrMoV6	55NCDV7				F.520.S	L6	SKH1;SKT4
P3/4	1.2721	50NiCr13				~2550			
P3/4	1.2762	75CrMoNiW67							
P3/4	1.2762	75CrMoNiW67							
P3/4	1.2842	90MnCrV8	90MV8	BO2	88MnV8KU			O2	
P3/4	1.3505	100Cr6	100C6	534A99	100Cr6	2258		52100	SUJ2
P3	1.5622	14Ni6	16N6		14Ni6		15Ni6	ASTMA350LF5	
P3	1.5732	14NiCr10	14NC11		16NiCr11		15NiCr11	3415	SNC415(H)
P3	1.5752	14NiCr14	12NC15	655M13				3415;3310	SNC815(H)
P3/4	1.6511	36CrNiMo4	40NCD3	816M40	38NiCrM04(KB)		33NiCrMo4	9840	SNCM447
P3/4	1.6523	21NiCrMo2	20NCD2	805M20	20NiCrMo2	2506	20NiCrMo2	8620	SNCM220(H)
P3/4	1.6546	40NiCrMo22		311-TYPE7	40NiCrM02(KB)		40NiCrMo2	8740	SNCM240
P3/4	1.6582	35CrNiMo6	35NCD6	817M40	35NiCrMo6(KB)	2541		4340	SNCM447
P3	1.6587	17CrNiMo6	18NCD6	820A16			14NiCrMo13		
P3	1.6657	14NiCrMo34		832M13	15NiCrMo13		14NiCrMo131		
P3/4	1.7033	34Cr4	32C4	530A32		34Cr4(KB)	35Cr4	5132	SCR430(H)
P3/4	1.7035	41Cr4	42C4	530M40			42Cr4	5140	SCR440(H)
P3/4	1.7045	42Cr4	42C4TS	530A40	41Cr4	2245	42Cr4	5140	SCr440
P3	1.7131	16MnCr5	16MC5	(527M20)	16MnCr5	2511	16MnCr5	5115	SCR415
P3/4	1.7176	55Cr3	55C3	527A60				5155	SUP9(A)
P3/4	1.7218	25CrMo4	25CD4	1717CDS110	25CrMo4(KB)	2225	55Cr3	4130	SM420;SCM430
P3/4	1.7220	34CrMo4	35CD4	708A37	35CrMo4	2234	34CrMo4	4137;4135	SCM432;SCCRM3

Werkstoffgruppe	Werkstoff-Nr.	Deutschland DIN	Frankreich AFNOR	Großbritannien BS	Italien UNI	Schweden SS	Spanien UNE	U.S.A. AISI/SAE UNS	Japan JIS
	Unlegierter Stahl, Stahlguss, Automatenstahl								
P3/4	1.7223	41CrMo4	42CD4TS	708M40	41CrMo4	2244	42CrMo4	4140;4142	SCM440
P3/4	1.7225	42CrMo4	42CD4	708M40	42CrMo4	2244	42CrMo4	4140	SCM440(H)
P3	1.7262	15CrMo5	12CD4			2216	12CrMo4		SCM415(H)
P3	1.7335	13CrMo4 4	15CD3.5/4.5	1501-620-Gr27	14CrMo45		14CrMo45	ASTMA182	SPVAF12
P3/4	1.7361	32CrMo12	30CD12	722M24	32CrMo12	2240	F.124.A		
P3	1.7380	10CrMo9 10		1501-622Gr31;45				ASTMA182F.22	SPVA,SCMV4
P3	1.7715	14MoV6 3		1503-660-440			13MoCrV6		
P3/4	1.8159	50CrV4	50CrV4	735A50	50CrV4	2230	51CrV4	6150	SUP10
P3/4	1.8159	50CrV4		735A50	51CrV4	2230		6150	SUP10
P3/4	1.3501	100Cr2	100C2					E50100	
P3/4	1.5710	36NiCr6	35NC6	640A35				3135	SNC236
P3/4	1.5736	36NiCr10	30NC11					3435	SNC631(H)
P3/4	1.5755	31NiCr14	18NC13	653M31					SNC836
P3/4	1.7733	24CrMoV55	20CDV6		21CrMoV511				
P3/4	1.7755	GS-45CrMoV104							
P3	1.8070	21CrMoV511			35NiCr9				
P3/4	1.8509	41CrALMo7	40CAD6,12	905M39	41CrAlMo7	2940	41CrAlMo7		SACM645
P3/4	1.8523	39CrMoV139		897M39	36CrMoV12				
P3/4	1.2311	40CrMnMo7			35CrMo8KU				
P5/6	1.4882	X50CrMnNiNbN219	Z50CMNNb21.09						
P3/4	1.5864	35NiCr18							
	Hochlegierter Stahl, Stahlguss								
P3/4	1.2343	X38CrMoV51	Z38CDV5	BH11	X37CrMoV51KU		X37CrMoV5	H11	SKD6
P3/4	1.2344	X40CrMoV51	Z40CDV5	BH13	X40CrMoV511KU	2242	X40CrMoV5	H13	SKD61
P3/4	1.2379	X155CrVMo121	Z160CDV12	BD2	X155CrVMo121KU			D2	SKD11
P3/4	1.2436	X210CrW12			X215CrW121KU	2312	X210CrW12		SKD2
P3/4	1.2581	X30WCrV93	Z30WCV9	BH21	X30WCrV93KU		X30WCrV9	H21	SKD5
P3/4	1.2601	X 165CrMoV12			X165CrMoW12KU	2310	X160CrMoV12		
P3/4	1.2606	X37CrMoW 51	Z35CWDV5	BH12	X35CrMoW05KU		F.537	H12	SKD62
P5/6	1.5662	X8Ni9		1501.509; 50	X10Ni9		XBNi09	ASTMA353	SL9N53
P3	1.5680	12Ni19	Z18N5					2515	
P3/4	1.3202	S12-1-4-5		BT15	HS12-1-5-5		12-1-5-5		
P3/4	1.3207	S10-4-3-10	Z130WKCDV	BT42	HS10-4-3-10				SKH57
P3/4	1.3243	S6-5-2-5	KCV06-05-05-04-02		HS6-5-2-5	2723	6-5-2-5	T15	SKH55
P3/4	1.3246	S7-4-2-5	Z110WKCDV07-05-04		HS7-4-2-5	7-4-2-5	M35		
P3/4	1.3247	S2-10-1-8	Z110DKCWV09-08-04	BM42	HS2-9-1-8	2-10-1-8	M41		SKH51
P3/4	1.3249	S2-9-2-8		BM34			2-9-2-8	M42	
P3/4	1.3343	S6-5-2	Z85WDCV	BM2	HS6-5-2-5	2722		M35	SKH9; SKH51
	Nicht rostender Stahl, Stahlguss								
P5/6	1.4000	X6Cr13	Z6C13	403S17	X6Cr3	2301	F.3110	403	SUS403
P5/6	1.4001	X6Cr14					F.8401		410S, 429
P5/6	1.4002	X6CrAl13	Z8CA12	405S17	X6CrAl13			405	SUS405
P5/6	1.4006	(G-)X10Cr13	Z10C13	410S21	X12Cr13	2302	F.3401	SUS410	SUS410
P5/6	1.4016	X8Cr17	Z8C17	430S15	X8Cr17	2320	F.3113	430	SUS430
P5/6	1.4021	X20Cr13	Z20C13	420S37	X20Cr13	2303		420	SUS420J1
P5/6	1.4027	G-X20Cr14	Z20C13M	420C29					SCS2
P5/6	1.4086	G-X120Cr29		452C11					
P5/6	1.4104	X12CrMoS17	Z10CF17	441S29	X10CrS17	2383	F.3117	430F	SUS430F
P5/6	1.4113	X6CrMo17	Z8CD1701	434S17	X8CrMo17	2325		434	SUS434
P5/6	1.4340	G-X40CrNi274							
P5/6	1.4417	X2CrNiMoSi195				2376		S31500	
P5/6	1.4720	X20CrMo13							
P5/6	1.4724	X10CrA113	Z10C13	403S17	X10CrA112		F.311	405	SUS405
P5/6	1.4742	X10CrA118	Z10CAS18	430S15	X8Cr17		F.3113	430	SUS430
P5/6	1.4762	X10CrA124	Z10CAS24		X16Cr26	2322		446	SUH446
P5/6	1.4034	X46Cr13	Z40CM	420S45	X40Cr14	2304	F.3405		
P5/6	1.4057	X20CrNi17	Z6CNi6.02	431S29	X16CrNi16	2321		431	SUS431
P5/6	1.4125	X105CrMo17	Z100CD17		X 105CrMo17				SUS440C

Werkstoff-Vergleichstabelle

Nicht rostender Stahl und Gusseisen

Werkstoffgruppe	Werkstoff-Nr.	Deutschland DIN	Frankreich AFNOR	Großbritannien BS	Italien UNI	Schweden SS	Spanien UNE	U.S.A. AISI/SAE UNS	Japan JIS
	Austenitischer nicht rostender Stahl								
M1	1.4301	X5CrNi189	Z6CN18.09	304S15	X5CrNi1810	2332	F.3551	304	SUS304
M1	1.4310	X12CrNi177	Z12CN17.07	301S21	X2CrNi1807	2331	F.3517	301	SUS301
M1	1.4311	X2CrNiN1810	Z2CN18.10	304S62	X2CrNiN1810	2371		304LN	SUS304LN
M1	1.4312	G-X10CrNi188	Z10CN18.9M	302C25					
M1	1.4350	X5CrNi189	Z6CN18.09	304S31	X5CrNi1810	2332/2333	F.3551	304	
M1	1.4362	X2CrNiN234	Z2CN23-04AZ			2327		S32304	
M2	1.4401	X5CrNiMo17122	Z6CND17.11	316S16	X5CrNiMo1712	2347	F.3543	316	SUS316
M2	1.4404	X2CrNiMo1810	Z2CND17.12	316S12	X2CrNiMo1712	2343/2348/2553		316L	SUS316
M2	1.4410	G-X10CrNiMo189	Z5CND20.12M						
M2	1.4429	X2CrNiMoN17133	Z2CND17.13	316S63	X2CrNiMoN1713	2375		316LN	SUS316LN
M2	1.4435	X2CrNiMo18143	Z2CND17.12	316S13	X2CrNiMo1712	2353		316L	SCS16
M2	1.4436	X5CrNiMo17133	Z6CND18-12-03	316S33	X8CrNiMo1713	2343/2347		316	SUS316
M2	1.4438	X2CrNiMo18164	Z2CND19.15	317S12	X2CrNiMo1816	2367		317L	SUS317L
M2	1.4500	G-X7NiCrMoCuNb2520	23NCDU25.20M						
M2	1.4541	X10CrNiMoTi1810	Z6CNT18.10	321S12	X6CrNiTi1811	2337	F.3553F.3523	321	SUS321
M2	1.4550	X10CrNiNb	Z6CNNb18.10	347S17	X6CrNiNb1811	2338	F.3552F.3524	347	SUS347
M2	1.4552	G-X7CrNiNb189	Z4CNNb19.10M	347C17					
M2	1.4571	X10CrNiMoTi1810	Z6NDT17.12	320S17	X6CrNiMoTi1712	2350	F.3535	316Ti	SUS316TI
M2	1.4583	X10CrNiMoNb1812	Z6CNDN1713B		X6CrNiMoNb			318	
M2	1.4585	G-X7CrNiMoCuNb1818			X6CrNiMoTi1712				
M1	1.4828	X15CrNiSi2012	Z15CNS20.12	309S24				309	SUH309
M2	1.4845	X12CrNi2521	Z12CN2520	310S24	X6CrNi2520	2361	F.331	310S	SUH310; SUS310S
	Austenitischer/ferritischer nicht rostender Stahl (Duplex)								
M3	1.4460	X8CrNiMo275				2324		S32900	SUS329J1
M3	1.4462	X2CrNiMoN2253	Z2CND22-05-03			2977			
M3	1.4821	X20CrNiSi254	Z20CNS25.04						
M3	1.4823	G-X40CrNiSi274							
	Grauguss								
K1	0.6010	GG10	Ft10D		G10	110		CLASS20	FC100
K1	0.6015	GG15	Ft15D	GRADE150	G15	115	FG15	CLASS25	FC150
K1	0.6020	GG20	Ft20D	GRADE220	G20	120	FG20	CLASS30	FC200
K1	0.6025	GG25	Ft25D	GRADE260	G25	125	FG25	CLASS35	FC250
K1	0.6030	GG30	Ft30D	GRADE300	G30	130	FG30	CLASS45	FC300
K1	0.6035	GG35	Ft35D	GRADE350	G35	135	FG35	CLASS50	FC350
K1	0.6040	GG40	Ft40D	GRADE400		140		CLASS55	FC400
	Gusseisen mit Kugelgraphit								
K2	0.7033	GGG35.3				0717-15			FCD350
K2	0.7040	GGG40	FCS400-12	SNG420/12	GGG40	0717-02	GGG40	60-40-18	FCD400
K2	0.7043	GGG40.3	FGS370-17	SNG370/17		0717-12			FCD400
K3	0.7050	GGG50	FGS500-7	SNG500/7	GGG50	0727-02	GGG50	80-55-06	FCD500
K3	0.7060	GGG60	FGS600-3	SNG600/3	GGG60	0732-03	GGG60		FCD600
K3	0.7070	GGG70	FGS700-2	SNG700/2	GGG70	0737-01	GGG70	100-70-03	FCD700
	Temperguss								
K1	0.8040	GTW-40	MB40-10	W410/4	GMB40		GTW40		
K1	0.8045	GTW-45			GMB45		GTW45		
K1	0.8055	GTW-55					GTW55		
K1	0.8065	GTW-65					GTW65		
K2	0.8135	GTS-35	MN35-10	B340/12		810	GTS35	32510	
K2	0.8145	GTS-45		P440/7		852	GTS45	40010	
K1	0.8035	GTW-35	MB35-7	W340/3			GTW35		
K3	0.8155	GTS-55	MP50-5	P510/4		854	GTS55	50005	
K3	0.8165	GTS-65	MP60-3	P570/3		856	GTS65	70003	
K3	0.8170	GTS-70	M870-2	P690/2		0862; 0864	GTS70	90001	

Werkstoffgruppe	Werkstoff-Nr.	Deutschland DIN	Frankreich AFNOR	Großbritannien BS	Italien UNI	Schweden SS	Spanien UNE	U.S.A. AISI/SAE UNS	Japan JIS
	Aluminiumlegierungen								
N1	3.0255	Al99.5	A59050C	L31/34/36				1000	
N1	3.3315	AlMg1							
N1	3.1655	AlCuSiPb							
N1	3.1754	G-AlCu5Ni1,5	3.4345	AlZnMgCu0,5	AZ4GU/9051	L86	811-04		7050
N2	3.2373	G-AlSi9Mg							
N2	3.2381	G-AlSi10Mg							
N2	3.2382	GD-AlSi10Mg							
N2	3.2383	G-AlSi10Mg (Cu)		LM9		4253		A360.2	
N2	3.2383	GK-AlSi10Mg (Cu)		LM9		4253		A360.2	
N2	3.2581	G-AlSi12		LM6		4261		A413.2	
N2	3.2582	GD-AlSi12				4247		A413.0	A6061
N2	3.2583	G-AlSi12 (Cu)		LM20		4260		A413.1	ADC12
N1	3.3561	G-AlMg5	A-SU 12	LN5		4252		GD-AlSi12	AC4A
N1	3.5101	G-MgZn4SE1Zr1	G-Z4TR	MAG5				ZE41	
N1	3.5103	MgSE3Zn2Zr1	G-TR3Z2	MAG6				EZ33	
N1	3.5106	G-MgAg3SE2Zr1	G-Ag22,5	MAG12				QE22	
N1	3.5812	G-MgAl8Zn1	G-A9	MAG1				AZ81	
N1	3.5912	G-MgAl9Zn1	G-A9Z1	MAG7				AZ91	
N1	2.1871	G-AlCu4TiMg							
N1	3.2371	G-AlSi7Mg						4218B	
	Kupferlegierungen								
N3	2.1090	G-CuSn7ZnPb	U-E7Z5Pb4					C93200	
N3	2.1096	G-CuSn5ZnPb	U-E5Pb5Z5	LG2				C83600	
N3	2.1098	G-CuSn2ZnPb							
N3	2.1176	G-CuPb10Sn	U-E10Pb10	LB2				C93700	
N3	2.1182	G-CuPb15Sn	U-Pb15E8	LB1				C93800	
N3	2.0240	CuZn15	CuZn15	CZ102				C23000	
N3	2.0265	CuZn30	CuZn30	CZ106				C26000	
N3	2.0321	CuZn37	CuZn36, CuZn37	CZ108	C2700,C2720			C27200, C27700	
N3	2.0592	G-CuZn35Al1	U-Z36N3	HTB1				C86500	
N3	2.0596	G-CuZn34Al2	U-Z36N3	HTB1				C86200	
N3	2.1188	G-CuPb20Sn	U-Pb20	LB5				C94100	
N3	2.1292	G-CuCrF35		CC1-FF				C81500	
N3	2.1293	CuCrZr	U-Cr0,8Zr	CC102				C18200	
N3	2.0966	CuAl10Ni5Fe4	U-A10N	Ca104				C63000	
N3	2.0975	G-CuAl10Ni						B-148-52	
N3	2.1050	G-CuSn10		CT1				C90700	
N3	2.1052	G-CuSn12	UE12P	Pb2				C90800	
N4		Nylon, Kunststoffe, Gummi, Phenole und Harze							
N5		Kohlefaser- und Graphit-Verbundwerkstoffe, Brush-Legierungen, Kevlar, Graphit (280 - 400 HB, 30 - 40 HRC)							
N6		MMCs (Metall-Matrix-Verbundwerkstoffe auf Aluminiumbasis)							

Werkstoff-Vergleichstabelle

Schwer zerspanbare Werkstoffe

Werkstoffgruppe	Werkstoff-Nr.	Deutschland DIN	Frankreich AFNOR	Großbritannien BS	Italien UNI	Schweden SS	Spanien UNE	U.S.A. AISI/SAE UNS	Japan JIS
	Superlegierungen – Fe-Basis				**US-Handelsbezeichnung**				
S1	1.4558	X2NiCrAlTi3220		NA15	Incoloy 800			N08800	
S1	1.4562	X1NiCrMoCu32287						N08031	
S1	1.4563	X1NiCrMoCuN31274	Z1NCDU31.27					N08028	
S1	1.4864	X12NiCrSi	Z12NCS35.16					330	SUH330
S1	1.4864	X12NiCrSi3616	Z12NCS35.16	NA17				N08330	SUH330
S1	1.4958	X5NiCrAlTi3120							
S1	1.4977	X40CoCrNi2020	Z42CNKDWNb						
					A-286			S66286	
					Greek Ascoloy			S41800	
					Haynes 556 (HS556)			R30556	
					N155			R30155	
	Superlegierungen – Co-Basis				**US-Handelsbezeichnung**				
S2					Haynes 188			R30188	
S2					L605 (Haynes 25)			R30605	
S2					MARM-302, 322, 509				
S2					Stellite 6, 21, 31				
	Superlegierungen – Ni-Basis				**US-Handelsbezeichnung**				
S3	2.4360	NiCu30Fe	NU30	NA13	Monel 400				
S3	2.4610	NiMo16Cr16Ti			Hastelloy C-4				
S3	2.4630	NiCr20Ti	NC20T	HR5, 203-4	Nimonic 75			N06075	
S3	2.4642	NiCr29Fe	NC30Fe		Inconel 690				
S3	2.4810	G-NiMo30			Hastelloy C			N10276	
S3	2.4856	NiCr22Mo9Nb	NC22FeDNb	NA21	Inconel 625			N06625	
S3	2.4858	NiCr21Mo	NC21FeDU	NA16	Incoloy 825			N08825	
S3	2.4375	NiCu30 Al	NU30AT	NA18	Monel K-500				
S3	2.4668	NiCr19FeNbMo	NC19FeNb		Inconel 718			N07718	
S3	2.4669	NiCr15Fe7TiAl	NC15TNbA		Inconel X-750			N07750	
S3	2.4685	G-NiMo28			Hastelloy B			N10001	
S3	2.4694	NiCr16Fe7TiAl			Inconel 751			N00751	
	Titan und Titanlegierungen				**US-Handelsbezeichnung**				
S4	3.7025	Ti 1		2TA1				R50250	
S4	3.7124	TiCu2		2TA21-24					
S4	3.7195	TiAl3V2.5							
S4	3.7225	Ti1Pd		TP1				R52250	
S4	3.7115	TiAl5Sn2							
S4	3.7145	TiAl6Sn2Zr4Mo2Si						R54620	
S4	3.7165	TiAl6V4	T-A6V	TA10-13; TA28	TiAl6V4			R56400	
S4	3.7175	TiAl6V6Sn2			Ti6V6Al2Sn			R56620	
S4	3.7185	TiAl4Mo4Sn2		TA45-51; TA57					

Werkstoffgruppe	Werkstoff-Nr.	Deutschland DIN	Frankreich AFNOR	Großbritannien BS	Italien UNI	Schweden SS	Spanien UNE	U.S.A. AISI/SAE UNS	Japan JIS
	Hartguss								
H1	0.9620	G-X260NiCr42		Grade 2A		0512-00		Ni- Hard 2	
H1	0.9625	G-X330NiCr42		Grade 2B		0513-00		Ni- Hard 1	
H1	0.9630	G-X300CrNiSi952						Ni- Hard 4	
H1	0.9635	G-X300CrMo153							
	Gehärtetes Gusseisen								
H1	0.9640	G-X300CrMoNi1521							
H1	0.9645	G-X260CrMoNi2021							
H1	0.9650	G-X260Cr27		Grade 3D		0466-00		A532IIIA25%Cr	
H1	0.9655	G-X300CrMo271							
H1	0.9655	G-X300CrMo271		Grade 3E				A532IIIA25%Cr	



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Schneller und einfacher Wechsel des Schneideinsatzes in der Maschine

Keine Nachschleifkosten - verschlissene Schneideinsätze werden einfach ausgetauscht



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SE255HPC
SE256HPC

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SE224HP
SE225HP

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Neue SE Drill

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SE211HP
SE212HP

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Für nichtrostenden Stahl.



Neue SE-Drill

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SE285

Höchste Standwege in schwerzerspanbaren Werkstoffen.

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Kennametal-Innovationen bei Bohranwendungen...

speziell entwickelt zur Steigerung Ihrer Produktivität und Wettbewerbsfähigkeit



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Ausschrumpfen. (Aufheizen < 10 sec. / Abkühlen < 1 min). Hoher Rundlauf (< 3 mm) durch gleichmäßige Spannkräfte.

Für nahezu alle Aufnahmetypen.

KM WIDAFLEX™ System

Äußerst leistungsstarkes Werkzeug-Schnellwechselsystem



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Verfügbar in fast allen Aufnahmetypen.

KENNAMETAL®

ENGINEERING YOUR COMPETITIVE EDGE

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BSD Auswechselbare Bohrköpfe A232

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NGP TOP NOTCH Einstechplatten E35
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NJ TOP NOTCH Gewindeschneidplatten E45
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NJF TOP NOTCH Gewindeschneidplatten E45
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NKLC TOP NOTCH PROFILING D9
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NTF TOP NOTCH Gewindeschneidplatten C37
NTF TOP NOTCH Gewindeschneidplatten E44
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NTK TOP NOTCH Gewindeschneidplatten E44
NTP TOP NOTCH Gewindeschneidplatten C37
NTP TOP NOTCH Gewindeschneidplatten E43
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NU TOP NOTCH Einstechplatten E38
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NVOC TOP NOTCH PROFILING – Klemmhalter D11
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NWC-I TOP NOTCH Gewindeschneidplatten C43

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PCBN KENLEVER Klemmhalter. A157
PCKN KENLEVER Klemmhalter. A157
PCLN KENLEVER Klemmhalter. A157
PCLN KENLEVER Klemmhalter. A238
PCSN KENLEVER Klemmhalter. A157
PDJN KENLEVER Klemmhalter. A158
PDNN KENLEVER Klemmhalter. A158
PRCC FIX PERFECT Klemmhalter A162
PRGC FIX PERFECT Klemmhalter A162
PSBN KENLEVER Klemmhalter. A158
PSDN KENLEVER Klemmhalter. A159
PSKN KENLEVER Klemmhalter. A238
PSSN KENLEVER Klemmhalter. A159
PSSN KENLEVER Klemmhalter. A238
PTFN KENLEVER Klemmhalter. A160
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RCGK-HP K-LOCK D18
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RCGN KENDEX positive Wendeschneiplatten A106
RCGT-HP SCREW-ON Wendeschneidplatten A132
RCGT-HP SCREW-ON Wendeschneidplatten. E25
RCGT-MS SCREW-ON Wendeschneidplatten A132
RCGV KENDEX Wendeschneidplatten E19
RCGW SCREW-ON Wendeschneidplatten. E25
RCGW-T SCREW-ON Wendeschneidplatten A132
RCGX KENDEX positive Wendeschneidplatten A106
RCMA-T KENLOC Wendeschneidplatten E8
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RCMT-RH SCREW-ON Wendeschneidplatten A132
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RCMT-RP SCREW-ON Wendeschneidplatten A134
RCMX SCREW-ON Wendeschneidplatten. E26
RCMX-M SCREW-ON Wendeschneidplatten. E26
RNG KENDEX Wendeschneidplatten E18
RNGA KENLOC Wendeschneidplatten A60
RNGA-T KENLOC Wendeschneidplatten E8
RNGN KENDEX negative Wendeschneidplatten A96
RNGN KENDEX negative Wendeschneidplatten A98
RNM KENDEX Wendeschneidplatten E18
RNMA KENLOC Wendeschneidplatten A60
RNMA-T KENLOC Wendeschneidplatten E8
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RNMG-RN KENLOC Wendeschneidplatten A60
RNMG-UN KENLOC Wendeschneidplatten A60
RNMN KENDEX negative Wendeschneidplatten A98
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RPGN KENDEX positive Wendeschneidplatten A106
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S-CBLP KENDEX MINI – Bohrstangen D25
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S-CELN MTS Bohrstangen. A213
S-CSKN MTS Bohrstangen. A214
S-CSSN MTS Bohrstangen. A215
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SCDP SCREW-ON Klemmhalter A191
SCEP SCREW-ON Klemmhalter A191
SCFC SCREW-ON Klemmhalter A191
SCFP SCREW-ON Klemmhalter A245
SCGC SCREW-ON Klemmhalter A192
SCGN KENDEX positive Wendeschneidplatten A108
SCGN-FW KENDEX positive Wendeschneidplatten A108
SCGP SCREW-ON Klemmhalter A245
SCGW SCREW-ON Wendeschneidplatten A134
SCKC SCREW-ON Klemmhalter A192
SCKP SCREW-ON Klemmhalter A245
SCLC SCREW-ON Klemmhalter A192
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SCLP SCREW-ON Klemmhalter A193
SCLP SCREW-ON Klemmhalter A246
SCMT-11 SCREW-ON Wendeschneidplatten A134
SCMT-LF SCREW-ON Wendeschneidplatten A134
SCMT-LF SCREW-ON Wendeschneidplatten. E26
SCMT-MF SCREW-ON Wendeschneidplatten A134
SCMT-MF SCREW-ON Wendeschneidplatten. E26
SCMT-UF SCREW-ON Wendeschneidplatten A134
SCRC SCREW-ON Klemmhalter A193
SCRP SCREW-ON Klemmhalter A246
SCSP SCREW-ON Klemmhalter A193
SCSP SCREW-ON Klemmhalter A246
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SDHC SCREW-ON Klemmhalter A194
SDJC SCREW-ON Klemmhalter A194
SDJC-F SCREW-ON Klemmhalter A194
SDJP SCREW-ON Klemmhalter A247
SDNC SCREW-ON Klemmhalter A195
SDPC SCREW-ON Klemmhalter A195
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SNGN KENDEX Wendeschneidplatten E18
SNGA KENLOC Wendeschneidplatten A60
SNGA KENLOC Wendeschneidplatten A62
SNGA-FW/MW MT KENLOC Wendeschneidplatten A60
SNGA-MT KENLOC Wendeschneidplatten A62
SNGA-T KENLOC Wendeschneidplatten E8
SNGG-FS KENLOC Wendeschneidplatten A62
SNGG-LF KENLOC Wendeschneidplatten A62
SNGG-LF KENLOC Wendeschneidplatten E8
SNGN KENDEX negative Wendeschneidplatten A98
SNGN KENDEX negative Wendeschneidplatten A100
SNGN-FW KENDEX negative Wendeschneidplatten A100
SNGP KENLOC Wendeschneidplatten A64
SNGP KENLOC Wendeschneidplatten E8
SNGP-K KENLOC Wendeschneidplatten E8
SNGX KENDEX negative Wendeschneidplatten A100
SNGX-FW KENDEX negative Wendeschneidplatten A100
SNMN KENDEX Wendeschneidplatten E19
SNMA KENLOC Wendeschneidplatten A64
SNMA KENLOC Wendeschneidplatten E9
SNMA-MW KENLOC Wendeschneidplatten A64
SNMA-T KENLOC Wendeschneidplatten E9
SNMG KENLOC Wendeschneidplatten E9
SNMG-FF KENLOC Wendeschneidplatten A64
SNMG-FN KENLOC Wendeschneidplatten A64
SNMG-FP KENLOC Wendeschneidplatten A64
SNMG-FW KENLOC Wendeschneidplatten A66
SNMG-K KENLOC Wendeschneidplatten E9
SNMG-MG KENLOC Wendeschneidplatten E9
SNMG-MN KENLOC Wendeschneidplatten A66
SNMG-MP KENLOC Wendeschneidplatten A66
SNMG-MS KENLOC Wendeschneidplatten A66
SNMG-MW KENLOC Wendeschneidplatten A66
SNMG-P KENLOC Wendeschneidplatten A66
SNMG-P KENLOC Wendeschneidplatten E9
SNMG-RN KENLOC Wendeschneidplatten . . . . . A66 - A67
SNMG-RP KENLOC Wendeschneidplatten A68
SNMG-UF KENLOC Wendeschneidplatten E10
SNMG-UN KENLOC Wendeschneidplatten A68
SNMM KENLOC Wendeschneidplatten E10
SNMM-M KENLOC Wendeschneidplatten E10
SNMM-MR KENLOC Wendeschneidplatten E10
SNMM-ND KENLOC Wendeschneidplatten E10
SNMM-RH KENLOC Wendeschneidplatten A68
SNMM-RM KENLOC Wendeschneidplatten A68
SNMM-RP KENLOC Wendeschneidplatten A68
SNMM-RW KENLOC Wendeschneidplatten A70
SNMM-SP KENLOC Wendeschneidplatten E10
SNMN KENDEX negative Wendeschneidpl. . . A100 - A102
SNMP KENLOC Wendeschneidplatten E10
SNMP-K KENLOC Wendeschneidplatten A70
SNMP-K KENLOC Wendeschneidplatten E11
SNMS KENLOC Wendeschneidplatten A70
SNMS KENLOC Wendeschneidplatten E11
SNMS-E KENLOC Wendeschneidplatten A62
SNMS-F KENLOC Wendeschneidplatten A62
SNMX KENDEX negative Wendeschneidplatten A102
SNUN KENDEX Wendeschneidplatten E19
SNUN KENDEX negative Wendeschneidplatten A102
SPGN KENDEX Wendeschneidplatten E20
SPGF KENDEX positive Wendeschneidplatten A110
SPGF KENDEX Wendeschneidplatten E20
SPGH SCREW-ON Wendeschneidplatten A134
SPGH SCREW-ON Wendeschneidplatten E26
SPGM SCREW-ON Wendeschneidplatten E26
SPGN KENDEX positive Wendeschneidpl. . . A108 - A110
SPGT-LF SCREW-ON Wendeschneidplatten A136
SPGT-LF SCREW-ON Wendeschneidplatten E27
SPMR KENDEX positive Wendeschneidplatten A110
SPMR KENDEX Wendeschneidplatten E20
SPMT-LF SCREW-ON Wendeschneidplatten A136
SPMT-LF SCREW-ON Wendeschneidplatten E27
SPMT-MF SCREW-ON Wendeschneidplatten A136
SPMT-MF SCREW-ON Wendeschneidplatten E27
SPMT-UF SCREW-ON Wendeschneidplatten A136
SPMT-UF SCREW-ON Wendeschneidplatten E27
SPUN KENDEX Wendeschneidplatten E20
SPUN KENDEX positive Wendeschneidplatten A110
SRAC SCREW-ON Klemmhalter A195
SRAC SCREW-ON Klemmhalter A197
SRDC SCREW-ON Klemmhalter A196
SRGC SCREW-ON Kurzklemmhalter A247
SSDC SCREW-ON Klemmhalter A197
SSKC SCREW-ON Klemmhalter A197
SSKC SCREW-ON Kurzklemmhalter A248
SSKP SCREW-ON Kurzklemmhalter A248
SSRC SCREW-ON Kurzklemmhalter A248
SSRP SCREW-ON Kurzklemmhalter A248
SSSC SCREW-ON Klemmhalter A197
SSSC SCREW-ON Kurzklemmhalter A249
SSSP SCREW-ON Kurzklemmhalter A249
STAC SCREW-ON Klemmhalter A198
STFC SCREW-ON Klemmhalter A198
STFP SCREW-ON Kurzklemmhalter A249
STGC SCREW-ON Klemmhalter A198
STGP SCREW-ON Kurzklemmhalter A249
STJC-F SCREW-ON Klemmhalter A198
STTP SCREW-ON Kurzklemmhalter A250
STWP SCREW-ON Kurzklemmhalter A250
SVAB SCREW-ON Klemmhalter A199
SVHB SCREW-ON Klemmhalter A199
SVJB SCREW-ON Klemmhalter A199
SVJB-F SCREW-ON Klemmhalter A199
SVVB SCREW-ON Klemmhalter A200
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TCGT-HP SCREW-ON Wendeschneidplatten A138
TCGT-HP SCREW-ON Wendeschneidplatten E27
TCGT-LF SCREW-ON Wendeschneidplatten A138
TCGT-LF SCREW-ON Wendeschneidplatten E27
TCGW SCREW-ON Wendeschneidplatten A136
TCGW-M SCREW-ON Wendeschneidplatten A136
TCGW-M SCREW-ON Wendeschneidplatten E27
TCGW-MT SCREW-ON Wendeschneidplatten A136
TCMT-11 SCREW-ON Wendeschneidplatten A138
TCMT-LF SCREW-ON Wendeschneidplatten A140
TCMT-LF SCREW-ON Wendeschneidplatten E27
TCMT-MF SCREW-ON Wendeschneidplatten A140
TCMT-MF SCREW-ON Wendeschneidplatten E28
TCMT-UF SCREW-ON Wendeschneidplatten A140
TDHB SCREW-ON Wendeschneidplatten A136
TDHB SCREW-ON Wendeschneidplatten A140
TDHB SCREW-ON Wendeschneidplatten E28
TDHH SCREW-ON Wendeschneidplatten A140
TDHH SCREW-ON Wendeschneidplatten E28
TNGN KENDEX Wendeschneidplatten E19
TNGA KENLOC Wendeschneidplatten A70
TNGA KENLOC Wendeschneidplatten A72
TNGA-FW/MW MT KENLOC Wendeschneidplatten A70
TNGA-MT KENLOC Wendeschneidplatten A70
TNGA-T KENLOC Wendeschneidplatten E11
TNGG-FS KENLOC Wendeschneidplatten A72
TNGG-LF KENLOC Wendeschneidplatten A72
TNGG-LF KENLOC Wendeschneidplatten A72
TNGG-LF KENLOC Wendeschneidplatten E11
TNGG-R/L KENLOC Wendeschneidplatten E11
TNGN KENDEX negative Wendeschneidplatten A102
TNGP KENLOC Wendeschneidplatten A72
TNGP KENLOC Wendeschneidplatten E11
TNGP-K KENLOC Wendeschneidplatten E11
TNGP-R/L KENLOC Wendeschneidplatten E11
TNM KENDEX Wendeschneidplatten E19
TNMA KENLOC Wendeschneidplatten A70
TNMA KENLOC Wendeschneidplatten A72
TNMA KENLOC Wendeschneidplatten E12
TNMA-S KENLOC Wendeschneidplatten E12
TNMA-SM KENLOC Wendeschneidplatten E12
TNMA-T KENLOC Wendeschneidplatten A74
TNMG KENLOC Wendeschneidplatten E12
TNMG-CT KENLOC Wendeschneidplatten A74
TNMG-FF KENLOC Wendeschneidplatten A74
TNMG-FN KENLOC Wendeschneidplatten A74
TNMG-FP KENLOC Wendeschneidplatten A74
TNMG-FW KENLOC Wendeschneidplatten A74
TNMG-FW KENLOC Wendeschneidplatten E12
TNMG-K KENLOC Wendeschneidplatten E12
TNMG-LF KENLOC Wendeschneidplatten E13
TNMG-MG KENLOC Wendeschneidplatten E13
TNMG-MN KENLOC Wendeschneidplatten A74
TNMG-MP KENLOC Wendeschneidplatten A74
TNMG-MS KENLOC Wendeschneidplatten A76
TNMG-MW KENLOC Wendeschneidplatten A76
TNMG-P KENLOC Wendeschneidplatten A76
TNMG-P KENLOC Wendeschneidplatten E13
TNMG-RN KENLOC Wendeschneidplatten A76
TNMG-RP KENLOC Wendeschneidplatten A76
TNMG-UF KENLOC Wendeschneidplatten E13
TNMG-UN KENLOC Wendeschneidplatten A76
TNMM-MR KENLOC Wendeschneidplatten E13
TNMM-RM KENLOC Wendeschneidplatten A78
TNMM-RP KENLOC Wendeschneidplatten A78
TNMN KENDEX negative Wendeschneidplatten A104
TNMP KENLOC Wendeschneidplatten A78
TNMP KENLOC Wendeschneidplatten E13
TNMP-K KENLOC Wendeschneidplatten A78
TNMP-K KENLOC Wendeschneidplatten E13
TNMS KENLOC Wendeschneidplatten A78
TNMS KENLOC Wendeschneidplatten E14
TNMS-E KENLOC Wendeschneidplatten A70
TNMS-F KENLOC Wendeschneidplatten A72
TNUN KENDEX Wendeschneidplatten E19
TNUN KENDEX negative Wendeschneidplatten A104
TPGN KENDEX Wendeschneidplatten E20
TPG-M KENDEX Wendeschneidplatten E21
TPGR KENDEX Wendeschneidplatten E21
TPGH SCREW-ON Wendeschneidplatten A140
TPGM SCREW-ON Wendeschneidplatten E28
TPGN KENDEX positive Wendeschneidplatten A110-A112
TPGN KENDEX positive Wendeschneidplatten A112
TPGN-M KENDEX positive Wendeschneidplatten A112
TPGR-K KENDEX positive Wendeschneidplatten A114
TPGT SCREW-ON Wendeschneidplatten A138
TPGT-HP SCREW-ON Wendeschneidplatten A140
TPGT-HP SCREW-ON Wendeschneidplatten E29
TPGT-LF SCREW-ON Wendeschneidplatten A142
TPGT-LF SCREW-ON Wendeschneidplatten E29
TPGW SCREW-ON Wendeschneidplatten A138
TPGW-M SCREW-ON Wendeschneidplatten A138
TPGW-M SCREW-ON Wendeschneidplatten A138
TPGW-M SCREW-ON Wendeschneidplatten E29
TPMR KENDEX positive Wendeschneidplatten A114
TPMR KENDEX Wendeschneidplatten E21
TPMT-LF SCREW-ON Wendeschneidplatten A142
TPMT-LF SCREW-ON Wendeschneidplatten E29
TPMT-M SCREW-ON Wendeschneidplatten E29
TPMT-MF SCREW-ON Wendeschneidplatten A142
TPMT-MF SCREW-ON Wendeschneidplatten E29
TPMT-UF SCREW-ON Wendeschneidplatten A142
TPMT-UF SCREW-ON Wendeschneidplatten E29
TPUN KENDEX Wendeschneidplatten E21
TPUN KENDEX positive Wendeschneidplatten A114
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VBGT-HP SCREW-ON Wendeschneidplatten A142
VBGT-HP SCREW-ON Wendeschneidplatten E29
VBGT-LF SCREW-ON Wendeschneidplatten A144

VBGT-LF SCREW-ON Wendeschneidplatten E30
VBGW SCREW-ON Wendeschneidplatten E30
VBGW SCREW-ON Wendeschneidplatten A142
VBGW-M SCREW-ON Wendeschneidplatten E30
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VBMT-LF SCREW-ON Wendeschneidplatten E30
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VCMR TOP NOTCH Profiling Wendeschneidplatten . . E32
VNGA KENLOC Wendeschneidplatten A78
VNGA KENLOC Wendeschneidplatten A80
VNGA KENLOC Wendeschneidplatten E14
VNGA-MT KENLOC Wendeschneidplatten A78
VNGA-SM KENLOC Wendeschneidplatten E14
VNGA-T KENLOC Wendeschneidplatten E14
VNGG-FS KENLOC Wendeschneidplatten A80
VNGG-LF KENLOC Wendeschneidplatten A80
VNGG-LF KENLOC Wendeschneidplatten E14
VNGP KENLOC Wendeschneidplatten A80
VNGP KENLOC Wendeschneidplatten E14
VNGP-K KENLOC Wendeschneidplatten E14
VNGP-R/L KENLOC Wendeschneidplatten E14
VNMA KENLOC Wendeschneidplatten A80
VNMA KENLOC Wendeschneidplatten A80
VNMA-E KENLOC Wendeschneidplatten A82
VNMA-SM KENLOC Wendeschneidplatten E15
VNMG KENLOC Wendeschneidplatten E15
VNMG-FF KENLOC Wendeschneidplatten A82
VNMG-FN KENLOC Wendeschneidplatten A82
VNMG-FP KENLOC Wendeschneidplatten A82
VNMG-LF KENLOC Wendeschneidplatten E15
VNMG-MN KENLOC Wendeschneidplatten A82
VNMG-MP KENLOC Wendeschneidplatten A82
VNMG-MS KENLOC Wendeschneidplatten A82
VNMG-P KENLOC Wendeschneidplatten A82
VNMG-P KENLOC Wendeschneidplatten E15
VNMG-RN KENLOC Wendeschneidplatten A84
VNMG-RP KENLOC Wendeschneidplatten A84
VNMG-UF KENLOC Wendeschneidplatten E15
VNMG-UN KENLOC Wendeschneidplatten A84
VNMP KENLOC Wendeschneidplatten E15
VNMP-K KENLOC Wendeschneidplatten A84
VNMP-K KENLOC Wendeschneidplatten E15
VNMS KENLOC Wendeschneidplatten A84
VNMS KENLOC Wendeschneidplatten E15
VNMS-E KENLOC Wendeschneidplatten A80
VNMS-F KENLOC Wendeschneidplatten A80
VCGN TOP NOTCH Profiling Wendeschneidplatten . . . D6
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WCMT-LF SCREW-ON Wendeschneidplatten A144
WCMT-LF SCREW-ON Wendeschneidplatten E30
WNGA KENLOC Wendeschneidplatten A86
WNGA-FW KENLOC Wendeschneidplatten A84
WNGA-FW/MW MT KENLOC Wendeschneidplatten A84
WNGA-MT KENLOC Wendeschneidplatten A84
WNGG-FS KENLOC Wendeschneidplatten A86
WNGG-LF KENLOC Wendeschneidplatten A86
WNGP-K KENLOC Wendeschneidplatten E16
WNGX KENDEX negative Wendeschneidplatten A104
WNGX-FW KENDEX negative Wendeschneidplatten A104
WNMA KENLOC Wendeschneidplatten A86
WNMA KENLOC Wendeschneidplatten E16
WNMA-MW KENLOC Wendeschneidplatten A86
WNMG KENLOC Wendeschneidplatten E16
WNMG-FF KENLOC Wendeschneidplatten A86
WNMG-FN KENLOC Wendeschneidplatten A86
WNMG-FP KENLOC Wendeschneidplatten A88
WNMG-FW KENLOC Wendeschneidplatten A88
WNMG-LF KENLOC Wendeschneidplatten E16
WNMG-MG KENLOC Wendeschneidplatten E16
WNMG-MN KENLOC Wendeschneidplatten A88
WNMG-MP KENLOC Wendeschneidplatten A88
WNMG-MS KENLOC Wendeschneidplatten A88
WNMG-MW KENLOC Wendeschneidplatten A88
WNMG-P KENLOC Wendeschneidplatten A88
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