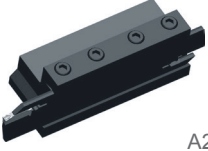

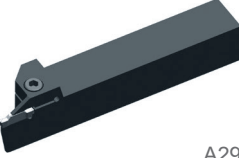





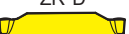




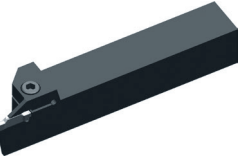



Turning - Drehen

Parting & Grooving Overview - Ab- & Einstechen Übersicht

Machining application	Machining Bearbeitung	Toolholder Klemmhalter	Inserts Stechplatten	Tool's feature and parameters Werkzeug Eigenschaften & Parameter
External machining Außenbearbeitung	Parting Abstechen	<p>QZ**+QE**</p>  <p>A298</p>	<p>ZP*S**</p> 	<ul style="list-style-type: none"> Assemble structure of parting blade and holder, good rigidity and parting range is adjustable. The max. parting $\varnothing = 120\text{mm}$. Die Auskrugung des Abstech-Schwertes ist bei hoher Stabilität einstellbar Der max. Abstech $\varnothing = 120\text{mm}$
		<p>QE**R/L</p>  <p>A295</p>	<p>ZP**D*</p>  <p>ZP*S*</p> 	<ul style="list-style-type: none"> Inserts have 3d chip breaker, small cutting force, good performance on chip breaking maximum parting $\varnothing = 60\text{mm}$ Schneideinsatz mit 3 versch. Spanleitstufen für geringe Schnittkräfte & gute Spankontrolle. max. Abstech $\varnothing = 120\text{mm}$
	Grooving and turning Stechen und Drehen		<p>QE*R/L</p>  <p>A297</p>	<p>Double Doppelseitig ZT*D**</p>  <p>Profile turning Profildrehen ZR*D*</p>  <p>Single cutting edge for deep Grooving Einseitig ZT*S*</p> 
Precise grooving Präzisionsstechdrehen		<p>QECD</p>  <p>A296</p>	<p>Precise grooving Präzisionsstechen ZT*D**-EG</p>  <p>Edge width 1.2~2.4mm Stechbreite</p>	<ul style="list-style-type: none"> Grinded insert, used for precise grooving. Edge width can be any size between 1.0 6.5mm according to customers requirement. ZT*D*- EG inserts: When edge width is between 1.2-2.4mm, the maximum cutting depth is 2.5mm; When edge width is >2.4~6.5mm, the maximum cutting depth is 22mm
		<p>QE*R/L</p>  <p>A295</p>	<p>Precise grooving Präzisionsstechen ZT*D**-EG</p>  <p>Edge width 1.2~2.4mm Stechbreite</p>	<ul style="list-style-type: none"> geschliffene Einsätze für das Präzisionsstechen Die Schneidenbreite kann auf Wunsch zwischen 1.0-6.5mm geschliffen werden. ZT*D*-EG Stechplatte: bei S.-Breiten von 1.2-2.4mm, und max. Schnitttiefe von 2.5mm; bei S.-Breiten von >2.4~6.5mm, beträgt die max Schnitttiefe 22mm

A

General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen


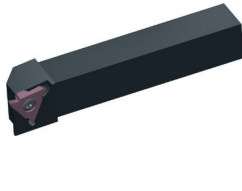





Turning · Drehen

Parting & Grooving Overview · Ab- & Einstechen Übersicht

A

General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen

Machining application	Machining Bearbeitung	Toolholder Klemmhalter	Inserts Stechplatten	Tool's feature and parameters Werkzeug Eigenschaften & Parameter
External Machining Außenbearbeitung	Grooving Stechen	QC Series GQCR/L	QC16/22□□□□ 	<ul style="list-style-type: none"> • Finish grinding with high tolerance. • Sharp cutting edge with accurate machining. • Good economy with 3-lips grinding edge. • For the light grooving, slot width 0.5-4.8 mm. • Max cutting depth 5 mm. • Präzisionsgeschliffen mit hohen Toleranzen. • Scharfe Schneide für präzise Bearbeitung. • Hohe wirtschaftlichkeit durch 3-schneidige Platte. • Schlichtbearbeitung mit Stechbreiten von 0.5-4.8 mm. • Maximale Stechtiefe 5 mm.
		A309		
Internal machining Innenbearbeitung	Grooving and turning Stechen und Drehen	C*-Q*/R/L*	Grooving, Turning Stechen, Drehen ZT*D**  Profile turning Profildrehen ZR*D** 	<ul style="list-style-type: none"> • By installing different inserts for grooving & profiling, one single tool realizes various applications, it reduce the tool category. • The max. slot depth can be machined = 13mm • The min Ø can be machined = 27 mm • Ein W-System für Stech- & Profildrehen. Die Anzahl der Stechsysteme wird reduziert. • Die max. Nutentiefe = 13 mm • Der min. Ø = 27 mm
		A307		
Internal machining Innenbearbeitung	Grooving and turning Stechen und Drehen	QC Series S□□□-QC□□R/L□	QC11/16/22□□□□ 	<ul style="list-style-type: none"> • Fine grinded inserts, high precision • Slot width can be machined is 0.5-4.8mm • The min. Ø can be machined = 16mm • The max. slot depth can be machined = 4 mm • Fein geschliffener Einsatz für hohe Präzision • Nutentiefe beträgt 0,5-4,8 mm • Der min. Ø = 16 mm • Die max Nutentiefe = 4 mm
		A309		

Turning · Drehen

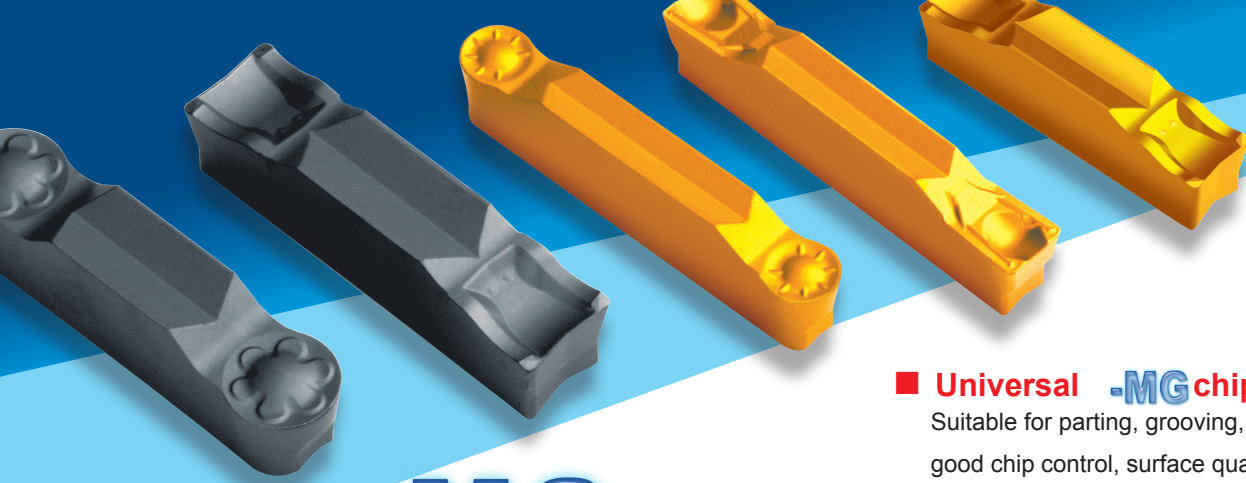
Parting & Grooving Overview · Ab- & Einstechen Übersicht

		Machining Bearbeitung	Toolholder Klemmhalter	Inserts Stechplatten	Tool's feature and parameters Werkzeug Eigenschaften & Parameter
Axial Grooving Axial stechen	Grooving and turning Stechen und Drehen		QF**H  A301-A304	Grooving, Turning Stechen, Drehen ZT*D**  Profile turning Profildrehen ZR*D** 	<ul style="list-style-type: none"> By installing different inserts as for grooving and profiling, one single tool realizes various applications, it reduces the tool category. Grooving · Stech Ø 48-400mm Grooving depth · Nutentiefe 10-30mm Ein W-System für Stech- & Profildrehen. Die Anzahl der Stechsysteme wird reduziert.
			A305-A306 	Grooving, Turning Stechen, Drehen ZT*D**  Profile turning Profildrehen ZR*D** 	<ul style="list-style-type: none"> 90° toolholder, top clamping By installing different inserts as for grooving and profiling, one single tool realizes various applications, it reduce the tool category. Grooving · Stech Ø 48-400mm Grooving depth · Nutentiefe 10-30mm Ein W-System für Stech- & Profildrehen. Die Anzahl der Stech-systeme wird reduziert. 90° Klemmhalter, Pratzenklemmung
Recess Machining Hinterstechen	Recess and turning Hinterstech. und drehen		*X*D*  A296	Grooving, Turning Stechen, Drehen ZT*D**  Profile turning Profildrehen ZR*D** 	<ul style="list-style-type: none"> The unique tool for recess machining Variing recess machining can be realized, inserts programm is complete Ein W-System für Hinterstechdrehen Unterschiedliche Hinterdreheroperationen können durchgeführt werden. Das Einsatzprogramm ist komplett.
Alu profiling Aluminium Profildrehen	External mach. Außenbearbeit.		QE**R/L  A295	"Squirrel Series" "Squirrel Series" ZR**-LH 	<ul style="list-style-type: none"> The unique chip breaker for profiling Al material Cutting edge is designed as combination of sharpness and stability, and it's suitable for continuous to intermittent cut. Used for for external, surface and inner wall machining of Al wheelboss. Spezielle Spanbrecher für die Alu Bearbeitung. Schneidkante besitzt Schärfe und Stabilität für kontinuierlichen bis unterbrochenem Schnitt. Profildrehen, von Alu. Felgen
	Inner wall and surface Plan- & Längsprofildrehen		C40X*  A307		
Tools for aviation and aerospace industries Werkzeuge für die Raum- & Luftfahrt	External machining Außenbearbeitung		QE*S*N  A297	"Squirrel Series" "Squirrel Series" ZIGQ**  "Squirrel Series" "Squirrel Series" ZIMF** 	<ul style="list-style-type: none"> V type locating, top clamping, precisely locating, safely clamping Inserts are suitable for difficult to machine materials like: Ni-base, Ti alloy, Stainless steel and Exotic material. V Form Aufnahme, Top Klemmung für Präzisions-Einsatz, Fixierung & sichere Klemmung Stechplatte für schwierig zu zerspanende Werkstoffen wie: Ni-basiertes Material, Ti-Legierungen, rostfreien Stahl und exotisches Material.
	Non-standard Tools Sonderwerkzeug		Non-Standard tools Sonderwerkzeug	Select and manufacture according to requirement. Auswahl nach Anwendung	<ul style="list-style-type: none"> Instantly supply solutions for machining various parts to satisfy your machining requirement. Sonderwerkzeuglösungen für die Bearbeitung unterschiedlicher Werkstücke.

A

General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen



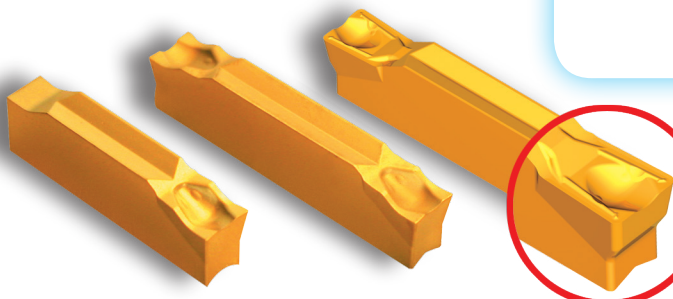
-MG Chip breaker Spanbrecher

■ Reduction of tool cost by using one special design insert in various.

- One insert fits several tool holders
- One insert suitable for several applications
- Reduction of tool cost and warehouse charges

■ Reduzierung der Werkzeugkosten mit dem Einsatz nur einer Stechgeometrie für viele Anwendungsbereiche.

- Stechplatte paßt auf versch. Haltersysteme
- Stechpl. geeignet für versch. Bearbeitungen
- Reduzierung der Werkzeug- und Lagerkosten



■ Unique structure design of parting inserts

- A special flank structure is designed to reduce cutting force by 20% and diminish vibration, which improve the surface quality
- A special edge design requires less rigidity of machine, it can be used on machine with low power

■ Einzigartiges Schneidkantendesign für Ab- / Stechplatte

- Spezielle Flankenstruktur reduziert die Schnittkräfte um 20%, verhindert Vibrationen und verbessert die Oberflächenqualität
- Eine neu entwickelte Schneidkantenausführung ermöglicht auch den Einsatz auf leistungsschwachen Maschinen.

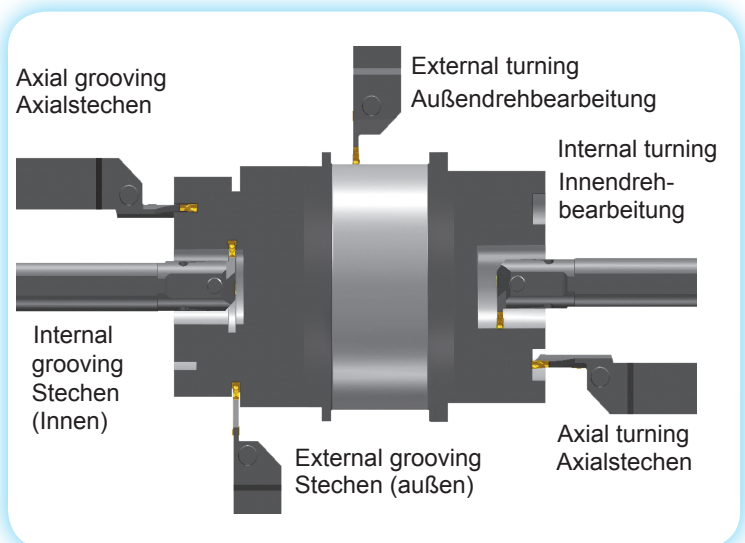
■ Universal **-MG** chip breaker series

Suitable for parting, grooving, profiling and turning etc; good chip control, surface quality and low cutting force

■ Universelle **-MG** Spanbrecherserie

Einsetzbar zum Stechen, Abstechen, für die Profil- und Drehbearbeitung, Gute Spankontrolle.

Gute Oberflächengüten und niedrige Schnittkräfte.



Special design reduce vibration and cutting force by 20%

Spezielles Spanbrecherdesign reduziert Vibrationen und Schnittkräfte um 20%

-EG

Precise grooving, profiling & turning inserts

Special chip breaker design, suitable for precision machining of low-carbon steel, stainless steel, sticky materials and nonferrous metal.

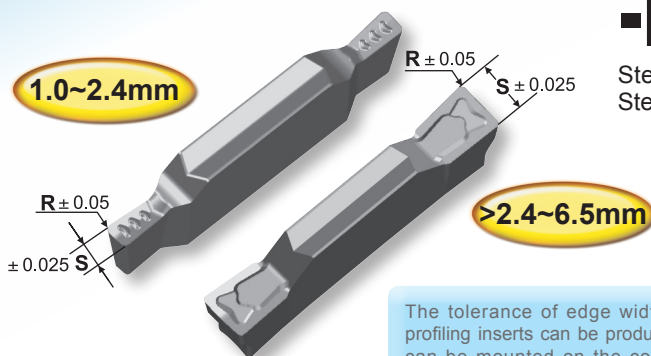
Präzisions-Platten für die Stech-, Profil- & Stechdrehbearbeitung

Spezielles Spanbrecherdesign für die Präzisionsbearbeitung von niedriglegiertem Stahl, rostfreiem Stahl, abrasiven Materialien und Ne-Metallen.

The edge width between

1.0-6.5mm according to your requirement.

Stechbreiten von **1.0-6.5 mm** je nach Anforderung.

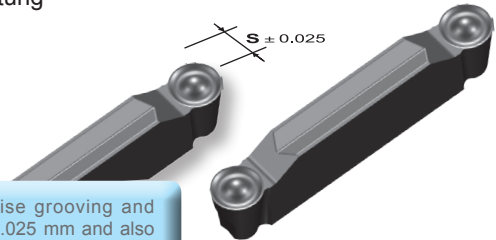


-EG Precision profiling and turning inserts

"Squirrel Series" round Inserts for precision, turning and grooving

-EG Präzisions, Profil- & DrehStechplatte

Stechplatte mit Rundprofil für die Profil, Drehstech- und Stechbearbeitung



The tolerance of edge width S of precise grooving and profiling inserts can be produced up to ± 0.025 mm and also can be mounted on the corresponding specifications of original toolholder series.

Die Stechbreite S kann mit einer Toleranz bis $\pm 0,025$ mm produziert werden und auf der Standard Halterserie eingesetzt werden.

Profiling turning inserts for AL Profilstechdrehplatten für Alu

The unique chip breaker for aluminum profiling machining. Cutting edge is designed by combining sharpness and intensity, The special chip breaker structure which effectively reduces the frictional coefficient between chips and rake face, enable the inserts suitable for continuous and intermittent profiling Al alloy Machining.

Das einzigartige Spanbrecherdesign für die Profildrehbearbeitung von Aluminium verbindet eine scharfe Schneidkantenausführung und gleichzeitige Stabilität. Die spezielle Form verhindert die Aufbauschneidenbildung und ist für die Bearbeitung im glatten und leicht unterbrochenem Schnitt einsetzbar.



Turning · Drehen


Parting & Grooving Code Key · Ab- & Einstechen ISO Kennzeichen

Parting, Grooving, Profiling and Turning Code Key Kennzeichnung für Ab- und Einstechen, Profildrehen und Drehen

Application of insert Anwendung ZP Parting <i>Abstechen</i> ZT Grooving and Turning <i>Einstechen und Drehen</i> ZR Profile machining <i>Formdrehen</i>	Code of insert seat size Plattensitzgröße Corresponding code of toolholder and width of cutting edge. <i>Entsprechender Code des Halters und der Schneidenbreite</i> <table border="1"> <thead> <tr> <th>Code</th> <th>Height / Höhe</th> </tr> </thead> <tbody> <tr> <td>E</td> <td>2.5</td> </tr> <tr> <td>F</td> <td>3.0</td> </tr> <tr> <td>G</td> <td>4.0</td> </tr> <tr> <td>H</td> <td>5.0</td> </tr> <tr> <td>K</td> <td>6.0</td> </tr> </tbody> </table>	Code	Height / Höhe	E	2.5	F	3.0	G	4.0	H	5.0	K	6.0	Number of cutting edge Anzahl Schneiden S Single cutting edge <i>Eine Schneide</i> D Double cutting edges <i>Zwei Schneiden</i>	Tolerance class Toleranzklasse M Tolerance class <i>Toleranzklasse</i> E Tolerance class <i>Toleranzklasse</i>
Code	Height / Höhe														
E	2.5														
F	3.0														
G	4.0														
H	5.0														
K	6.0														

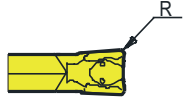
ZP G D 04 04 - M G

**Width of cutting edge
Schneidplattenbreite**



025 = 0.25 mm
03 = 0.30 mm
04 = 0.40 mm
05 = 0.50 mm
06 = 0.60 mm

**Corner radius
Eckenradius**

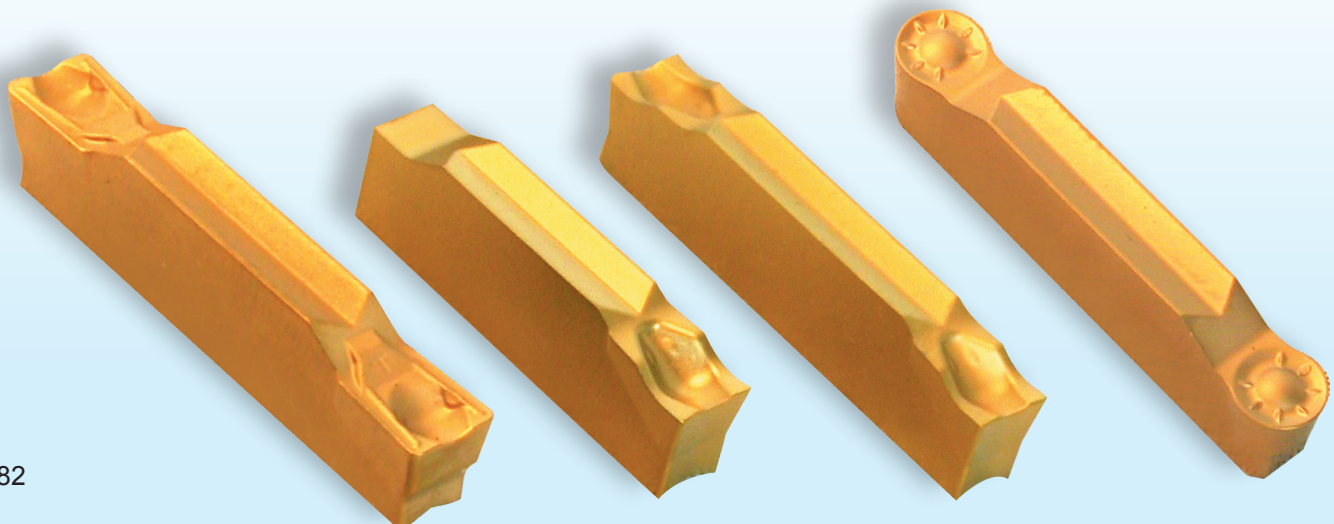


02 = 0.20 mm
03 = 0.30 mm
04 = 0.40 mm
08 = 0.80 mm

**Chip breaker's code
Spanbrecher**

G
General chip breaker, suitable for all kinds of machined material.
Allgemeiner Spanbrecher, geeignet für verschiedene Materialien.

F
Special chip breaker
Sonder-Spanbrecher

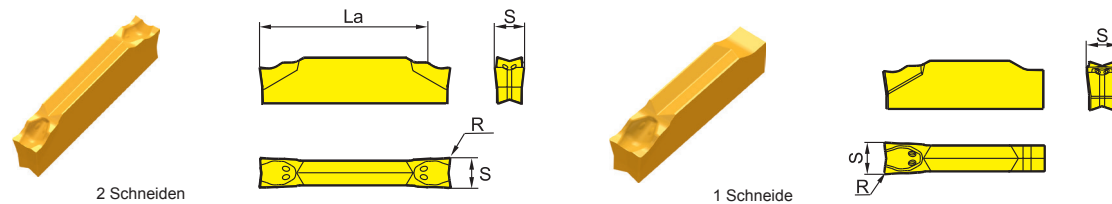


A

General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen

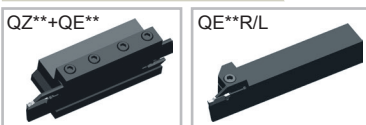
Parting inserts · Stechplatte



Type Typ	Dimension (mm) Abmessung			Grade Sorte								
				P			M		K	N		
	S ^{+0.1} ₀	R±0.1	La ^{max}	YBG202	YBG302	YBC251	YBG202	YBG302	YBG302	YD101	YD201	
Double cutting edge 2 Schneiden	ZPED02502-MG	2.5	0.2	17	●	●	●	●	●	●		
	ZPFD0302-MG	3.0	0.2	17	●	●	●	●	●	●		○
	ZPGD0402-MG	4.0	0.2	22	●	●	●	●	●	●		○
	ZPHD0503-MG	5.0	0.3	22	●	●	○	●	●	●		○
	ZPKD0604-MG	6.0	0.4	22	●	●	○	●	●	●		○
Single cutting edge 1 Schneide	ZPES02502-MG	2.5	0.2	-	●	●	●	●	●	●		
	ZPFS0302-MG	3.0	0.2	-	●	●	●	●	●	●		
	ZPGS0402-MG	4.0	0.2	-	○	●	○	○	●	●		○
	ZPHS0503-MG	5.0	0.3	-	○	●	○	○	●	●		○
	ZPKS0604-MG	6.0	0.4	-	●	●		●	●	●		

Insert with single cutting edge only be used to parting blad
Zum Abstechen nur mit Spanblock

Tool holder / Klemmhalter

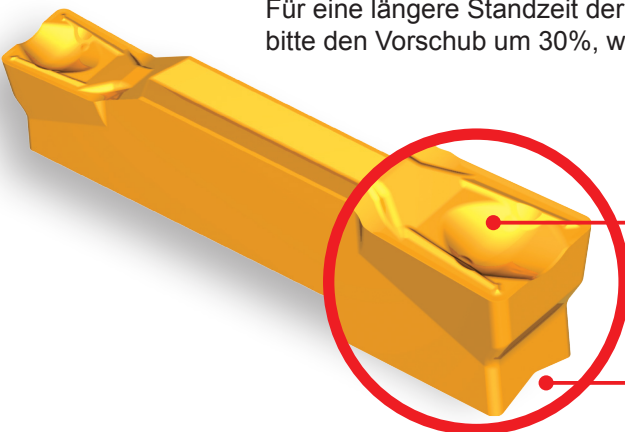


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Please reduce the feed rate by 30% when the insert is approaching the centre of workpiece.

Für eine längere Standzeit der Wendschneidplatten, reduzieren Sie bitte den Vorschub um 30%, wenn die Platte sich dem Zentrum nähert.



Optimal chip breaker design for good chip control.
Optimaler Spanbrecher für eine gute Spankontrolle.

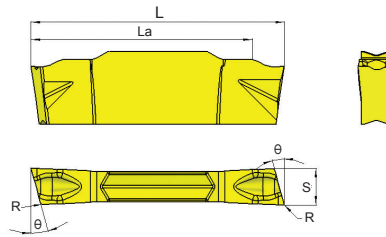
Cutting force is reduced by 20% less vibration.
Reduziert die Vibrationen und die Schnittkraft um 20%

● ex stock · ab Lager ○ on demand · auf Anfrage

Turning · Drehen

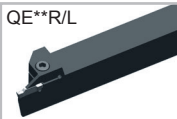
Parting & Grooving · Ab- & Einstechen

ZP*D-MG Series



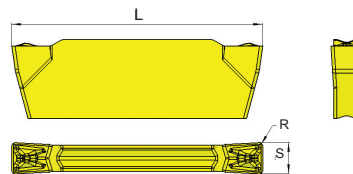
Type Typ	Dimension (mm) Abmessung					Grade Sorte						
						P			M		K	N
	L	S	θ	R	La _{max}	YBG202	YBG302		YBG202	YBG302	YBG302	YD101
ZPED02502-MG-6L	20	2.35	6	0.2	17	○	●		○	●	●	○
ZPED02502-MG-6R	20	2.35	6	0.2	17	○	●		○	●	●	○
ZPED02502-MG-15L	20	2.35	15	0.2	17	●	○		●	○	○	○
ZPED02502-MG-15R	20	2.35	15	0.2	17	●	○		●	○	○	○
ZPFD0302-MG-6L	20	2.85	6	0.2	17	●	●		●	●	●	○
ZPFD0302-MG-6R	20	2.85	6	0.2	17	●	●		●	●	○	○
ZPFD0302-MG-15L	20	2.85	15	0.2	17	○	●		○	●	○	○
ZPFD0302-MG-15R	20	2.85	15	0.3	17	●	●		●	●	○	○

Tool holder / Klemmhalter



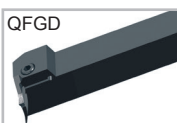
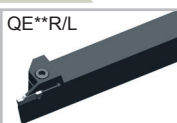
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ZTBD-MG Series



Type Typ	Dimension (mm) Abmessung				Grade Sorte		
					P		
	L	S ±0.05	R	La _{max}	YBG202	YBG205	YBG302
ZTBD02002-MG	16.3	2.0	0.2	13	○	●	○

Tool holder / Klemmhalter



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● ex stock · ab Lager ○ on demand · auf Anfrage

Grooving and turning inserts · Einstech- & Drehplatten

Type Typ	Dimension (mm) Abmessung			Grade Sorte										
	S ^{+0.1} ₀	R±0.10	La max	P					M			K	N	
				YBG202	YBG205	YBG302	YBC151	YBC251	YBG202	YBG205	YBG302	YBG302	YD101	
Double cutting edge 2 Schneiden	ZTED02503-MG	2.5	0.3	17	●	○	●	○		●	○	●	●	
	ZTFD0303-MG	3.0	0.3	17	●	●	●	○		●	●	●	●	
	ZTGD0404-MG	4.0	0.4	22	●	●	●	○	●	●	●	●	●	
	ZTHD0504-MG	5.0	0.4	22	●	●	●	○		●	●	●	●	
	ZTKD0608-MG	6.0	0.8	22	●	●	●	○		●	●	●	●	
Single cutting edge 1 Schneide	ZTHS0504-MG	5.0	0.4	-	●	○	●			○	○	●	●	
	ZTKS0608-MG	6.0	0.8	-	●	○	●			○	○	●	●	

Tool holder / Klemmhalter



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Precise grooving and turning inserts · Präzisions-Stech- & Drehplatten

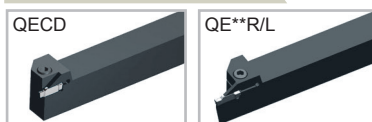
Type Typ	Dimension (mm) Abmessung			Grade Sorte							
	S±0.025	R ⁽²⁾ ±0.05	La max	P			M		K	N	
				YBG202	YBG302		YBG202	YBG302	YBG302	YD101	
Double cutting edge 2 Schneiden	ZTC***-EG	1.0-1.6	2.6		○						
	ZTE***-EG	1.6-2.4	3.4		○			○			
	ZTFD***-EG	2.4-3.0	17		○			○			
	ZTGD***-EG	3.0-3.8	17		○			○			
	ZTHD***-EG	3.8-4.8	22		○			○			
	ZTKD***-EG	4.8-5.8	22		○			○			
		5.8-6.5	22		○			○			

Note: (1) The code indicated with * is to be designated based on the edge width and edge radius. The code will be ZTFD03503-EG if the ordered insert is with an edge width of 3.5mm and an edge radius of 3.0mm.
 (2) Edge radius R is based on customers' requirements

Der Bestellnummerschlüssel:

- (1) z.B. ZTFD03503-EG legt eine Schneidbreite 3.5mm und einen Schneideckenradius 0.3mm fest.
- (2) Eckenradius nach Kundenwunsch

Tool holder / Klemmhalter



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● ex stock · ab Lager ○ on demand · auf Anfrage

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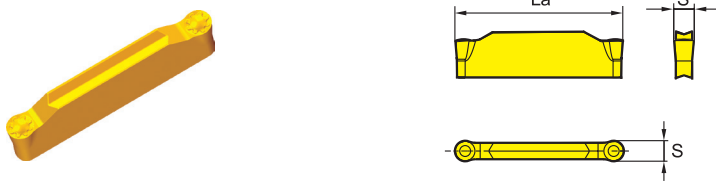
General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen

Turning · Drehen

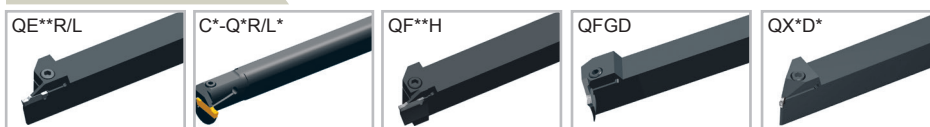
Parting & Grooving · Ab- & Einstechen

Profiling and turning inserts · Profil- & Stechdrehplatten




Type Typ		Dimension (mm) Abmessung		Grade Sorte						
				P			M		K	N
		S ^{+0.1} ₀	La _{max}	YBG202	YBG302	YBC151	YBG202	YBG302	YBG302	YD101
Double cutting edge 2 Schneiden	ZRED025-MG	2.5	20	●	●	○	●	●	●	
	ZRFD03-MG	3.0	20	●	●	○	●	●	●	
	ZRGD04-MG	4.0	25	●	●		●	●	●	
	ZRHD05-MG	5.0	25	●	●		●	●	●	
	ZRKD06-MG	6.0	25	●	●		●	●	●	

Tool holder / Klemmhalter



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Precise profiling and turning inserts · Präzisions-, Profil- & Stechdrehplatten



Type Typ		Dimension (mm) Abmessung		Grade Sorte						
				P			M		K	N
		S±0.025	La _{max}	YBG202	YBG302		YBG202	YBG302	YBG302	YD101
Double cutting edge 2 Schneiden	ZRFD03-EG	3.0	20		○			○		
	ZRGD04-EG	4.0	25		○			○		
	ZRHD05-EG	5.0	25		○			○		
	ZRKD06-EG	6.0	25		○			○		

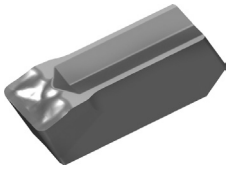
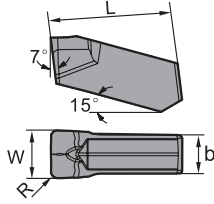
Tool holder / Klemmhalter



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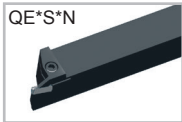
● ex stock · ab Lager ○ on demand · auf Anfrage

**Single-cutting edge grooving and turning inserts for machining of heatresistance super alloy
Einseitige Stech- & Drehplatten für die Bearbeitung von warmfesten Superlegierungen**


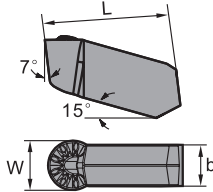
Type Typ	Dimension (mm) Abmessung				Grade Sorte				
					S				M
	W±0.05	R±0.1	b	L	YD101	YBG102	YBG105	YBG202	YBG202
ZIMF304N-NM	3	0.4	2.4	15.3		○	●		
ZIMF406N-NM	4	0.6	3.2	15.3		●	●		
ZIMF506N-NM	5	0.6	4	15.3		●	●		
ZIMF608N-NM	6	0.8	4	15.3		●	●		

Tool holder / Klemmhalter



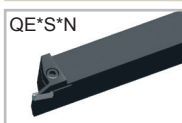
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**Single-cutting edge grooving and turning inserts for machining of heatresistance super alloy
Einseitige Stech- & Drehplatten für die Bearbeitung von warmfesten Superlegierungen**

Type Typ	Dimension (mm) Abmessung			Grade Sorte				
				S				M
	W±0.025	b	L	YD101	YBG102	YBG105	YBG202	YBG202
ZIGQ3N-NM	3	2.4	15.3		○	●		
ZIGQ4N-NM	4	3.2	15.3		○	●		
ZIGQ5N-NM	5	4	15.3		○	●		
ZIGQ6N-NM	6	5	15.3		○	●		

Tool holder / Klemmhalter



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Turning · Drehen

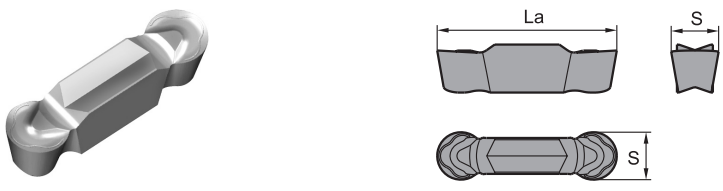
Parting & Grooving · Ab- & Einstechen

A

General Turning
Allgemeine Drehbearbeitung

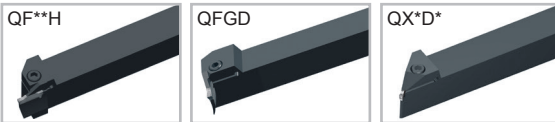
Parting & Grooving
Ab- & Einstechen

Profiling Inserts for Al · Profilstechdrehplatten zur Aluminiumbearbeitung



Type Typ	Dimension (mm) Abmessung		Grade Sorte	
	S±0.025	La max	YD101	
ZRKD06-LH	6.0	25	○	
ZRLD08-LH	8.0	30	●	

Tool holder / Klemmhalter

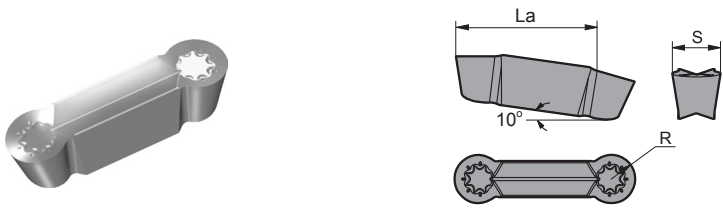


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Profiling Inserts for Al · Profilstechdrehplatten zur Aluminiumbearbeitung



Type Typ	Dimension (mm) Abmessung		Grade Sorte	
	S±0.025	La max	YD101	YD201
ZILD08-LC	8.0	22	●	○

● ex stock · ab Lager ○ on demand · auf Anfrage





QC series grooving insert / QC-Serie Stechplatten

QC series grooving insert code key / QC-Serie Kennzeichnung

- Triangular straight grooving insert / Dreieckige Stechplatten mit gerader Kante



QC 22 R 300 - R 03

Series Serie	Cutting edge length code Schneidkantenlänge	Diameter of inscribed circle Ø IC (mm)	Slot Stechbreite (mm)		Radius or Chamfer Radius (mm)	
	11	6.35	code	width Breite	code	size Groß
	16	9.525	050	0.50	005	0.05
	22	12.70	100	1.00	02	0.2
			03	0.3
			480	4.80	04	0.4

Direction Schneidrichtung		Nose shape Kantenform	
code	mode	code	mode
R	right Rechts 	R	radius Radius 
L	left Links 	C	chamfer Fase 

- Triangular round grooving insert / Dreieckige Stechplatten mit runder Kante

QC 22 R 300 R

Series Serie	Cutting edge length code Schneidkantenlänge	Diameter of inscribed circle Ø IC (mm)	Direction Schneidrichtung		Slot Stechbreite (mm)		Round Rund
	11	6.35	R	right Rechts 	code	width Breite	
	16	9.525	L	left Links 	050	0.50	
	22	12.70			100	1.00	
					
					480	4.80	

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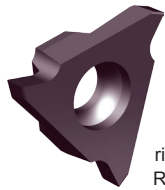
General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen

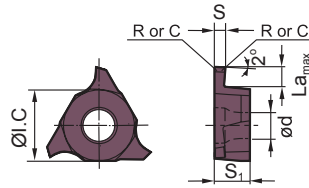
Turning · Drehen

Parting & Grooving · Ab- & Einstechen

QC series grooving insert / QC-Serie Stechplatten



right hand style
Rechtsausführung



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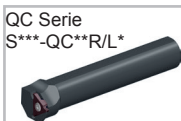
General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen

Type Typ		Dimension (mm) Abmessung						Grade Sorte					
		S±0.025	La _{max}	R/C	ØI.C	S ₁	ød	P		M		K	
								YBG202	YBG205	YBG202	YBG205	YBG202	YBG205
QC11R/L	120-R02	1.20	1.50	R0.2	6.35	3.18	2.8	○	●	○	●	○	●
	125-R02	1.25	1.50	R0.2	6.35	3.18	2.8	○	●	○	●	○	●
	145-R02	1.45	1.50	R0.2	6.35	3.18	2.8	○	●	○	●	○	●
	150-R02	1.50	1.50	R0.2	6.35	3.18	2.8	○	●	○	●	○	●
	200-R02	2.00	2.00	R0.2	6.35	3.18	2.8	○	●	○	●	○	●
	225-R02	2.25	2.00	R0.2	6.35	3.18	2.8	○	○	○	○	○	○
QC16R/L	110-R01	1.10	2.00	R0.1	9.525	3.18	4.4	○	●	○	●	○	○
	125-R02	1.25	2.00	R0.2	9.525	3.18	4.4	○	●	○	●	○	○
	130-R02	1.30	2.00	R0.2	9.525	3.18	4.4		●		●		
	145-R02	1.45	2.00	R0.2	9.525	3.18	4.4	○	●	○	●	○	●
	150-R02	1.50	2.00	R0.2	9.525	3.18	4.4	○	●	○	●	○	●
	160-R02	1.60	2.00	R0.2	9.525	3.18	4.4		●		●		
	175-R02	1.75	2.00	R0.2	9.525	3.18	4.4	○	●	○	●	○	●
	185-R02	1.85	2.50	R0.2	9.525	3.18	4.4	○	●	○	●	○	●
	200-R02	2.00	2.50	R0.2	9.525	3.18	4.4	○	●	○	●	○	●
	250-R02	2.50	2.50	R0.2	9.525	3.18	4.4	○	●	○	●	○	●
QC22R/L	300-R02	3.00	3.00	R0.2	9.525	3.18	4.4	○	●	○	●	○	●
	125-R02	1.25	2.00	R0.2	12.70	4.76	5.5	○	●	○	●	○	○
	145-R02	1.45	2.00	R0.2	12.70	4.76	5.5	○	●	○	●	○	○
	150-R02	1.50	3.50	R0.2	12.70	4.76	5.5	○	●	○	●	○	○
	175-R02	1.75	3.50	R0.2	12.70	4.76	5.5	○	●	○	●	○	●
	185-R02	1.85	3.50	R0.2	12.70	4.76	5.5	○	●	○	●	○	●
	200-R02	2.00	3.50	R0.2	12.70	4.76	5.5	○	●	○	●	○	○
	230-R02	2.30	3.50	R0.2	12.70	4.76	5.5	○	●	○	●	○	●
	250-R03	2.50	4.00	R0.3	12.70	4.76	5.5	○	●	○	●	○	●
	265-R03	2.65	4.00	R0.3	12.70	4.76	5.5	○	●	○	●	○	●
280-R03	2.80	4.00	R0.3	12.70	4.76	5.5	○	●	○	●	○	●	

The code of other size for your order, for example: QC22R160-R03 if S±0.025=1.60mm, ØI.C=12.70mm and cutting edge with R=0.3mm
Der Bestellnummerschlüssel: z.B.QC22R160-R03 liegt eine S±0.025=1.60mm, ØI.C=12.70mm und einen Schneideckradius R=0.3mm fest.

Tool holder / Klemmhalter

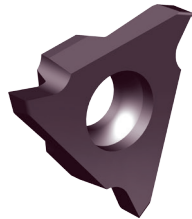


QC Serie
S***-QC**R/L*

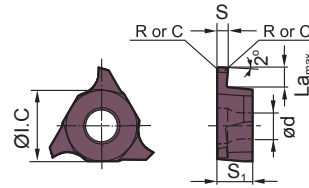
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● ex stock · ab Lager ○ on demand · auf Anfrage

Triangular straight grooving insert / Dreieckige Stechplatten mit gerader Kante

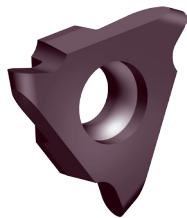


right hand style
Rechtsausführung

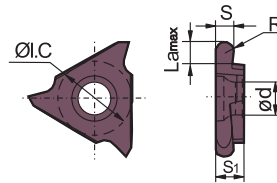


Type Typ		Dimension (mm) Abmessung						Grade Sorte					
								P		M		K	
		S ± 0.025	La _{max}	R/C	ØI.C	S ₁	ød	YBG202	YBG205	YBG202	YBG205	YBG202	YBG205
QC22R/L	300-R03	3.00	4.00	R0.3	12.70	4.76	5.5	○	●	○	●	○	○
	320-R03	3.20	4.00	R0.3	12.70	4.76	5.5	○	●	○	●	○	○
	330-R03	3.30	4.00	R0.3	12.70	4.76	5.5	○	●	○	●	○	○
	350-R03	3.50	5.00	R0.3	12.70	4.76	5.5	○	●	○	●	○	○
	400-R04	4.00	5.00	R0.4	12.70	4.76	5.5	○	●	○	●	○	○
	430-R04	4.30	5.00	R0.4	12.70	4.76	5.5	○	○	○	○	○	○
	450-R04	4.50	5.00	R0.4	12.70	4.76	5.5	○	○	○	○	○	○
	480-R04	4.80	5.00	R0.4	12.70	5.06	5.5	○	○	○	○	○	○

Triangular round grooving insert / Dreieckige Stechplatten mit runder Kante



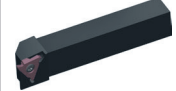
right hand style
Rechtsausführung



Type Typ		Dimension (mm) Abmessung						Grade Sorte					
								P		M		K	
		S ± 0.025	La _{max}	R/C	ØI.C	S ₁	ød	YBG202	YBG205	YBG202	YBG205	YBG202	YBG205
QC16R/L	200R	2.00	2.50	1.00	12.70	3.18	4.4	○	○	○	○	○	○
	300R	3.00	2.50	1.50	12.70	3.18	4.4	○	○	○	○	○	○
QC22R/L	100R	1.00	2.00	0.50	12.70	4.76	5.5	○	○	○	○	○	○
	150R	1.50	3.50	0.75	12.70	4.76	5.5	○	○	○	○	○	○
	200R	2.00	3.50	1.00	12.70	4.76	5.5	○	○	○	○	○	○
	250R	2.50	4.00	1.25	12.70	4.76	5.5	○	○	○	○	○	○
	300R	3.00	4.00	1.50	12.70	4.76	5.5	○	○	○	○	○	○
	400R	4.00	5.00	2.00	12.70	4.76	5.5	○	○	○	○	○	○

Tool holder / Klemmhalter

QE Serie GQCR/L



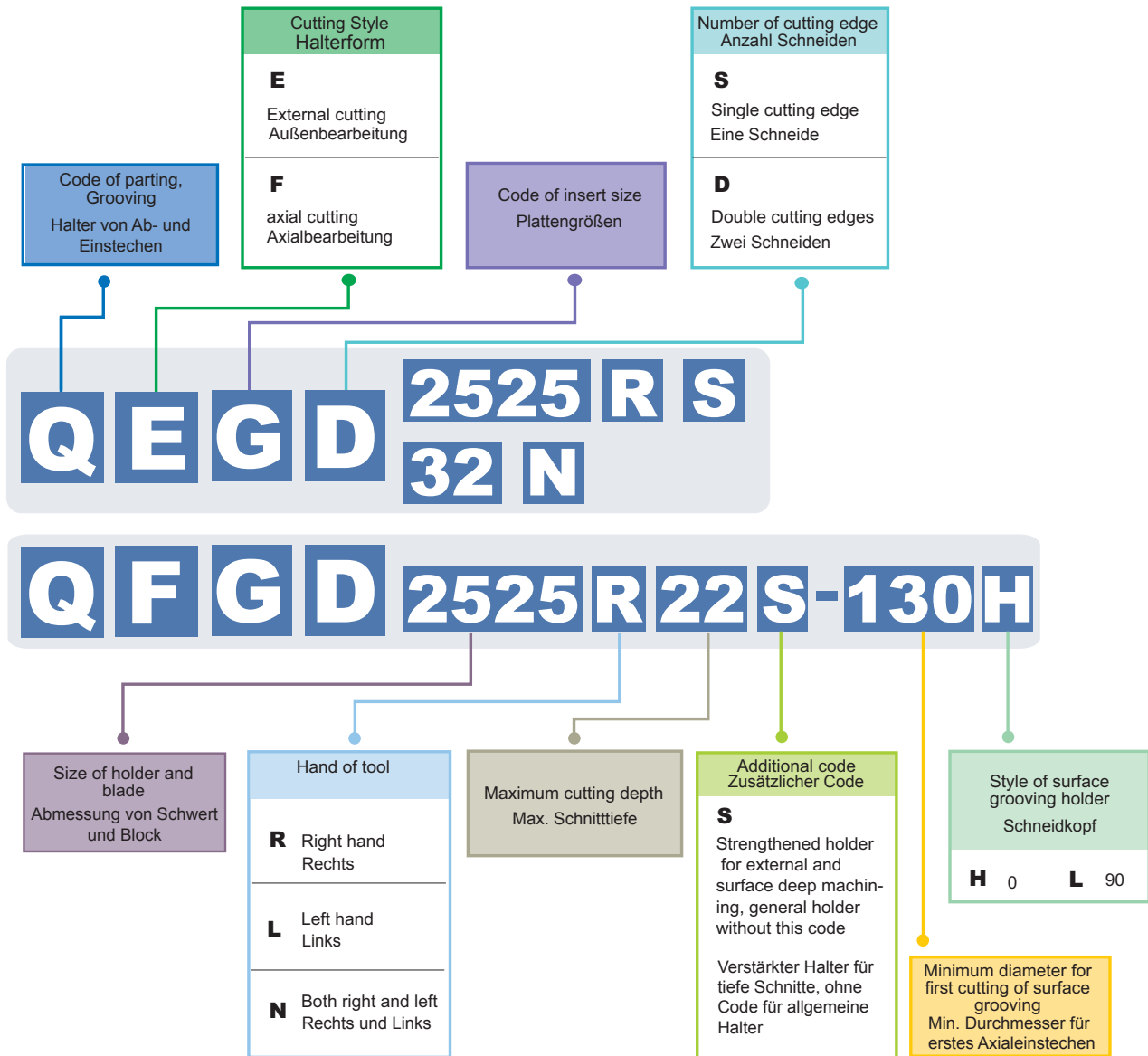
Turning · Drehen

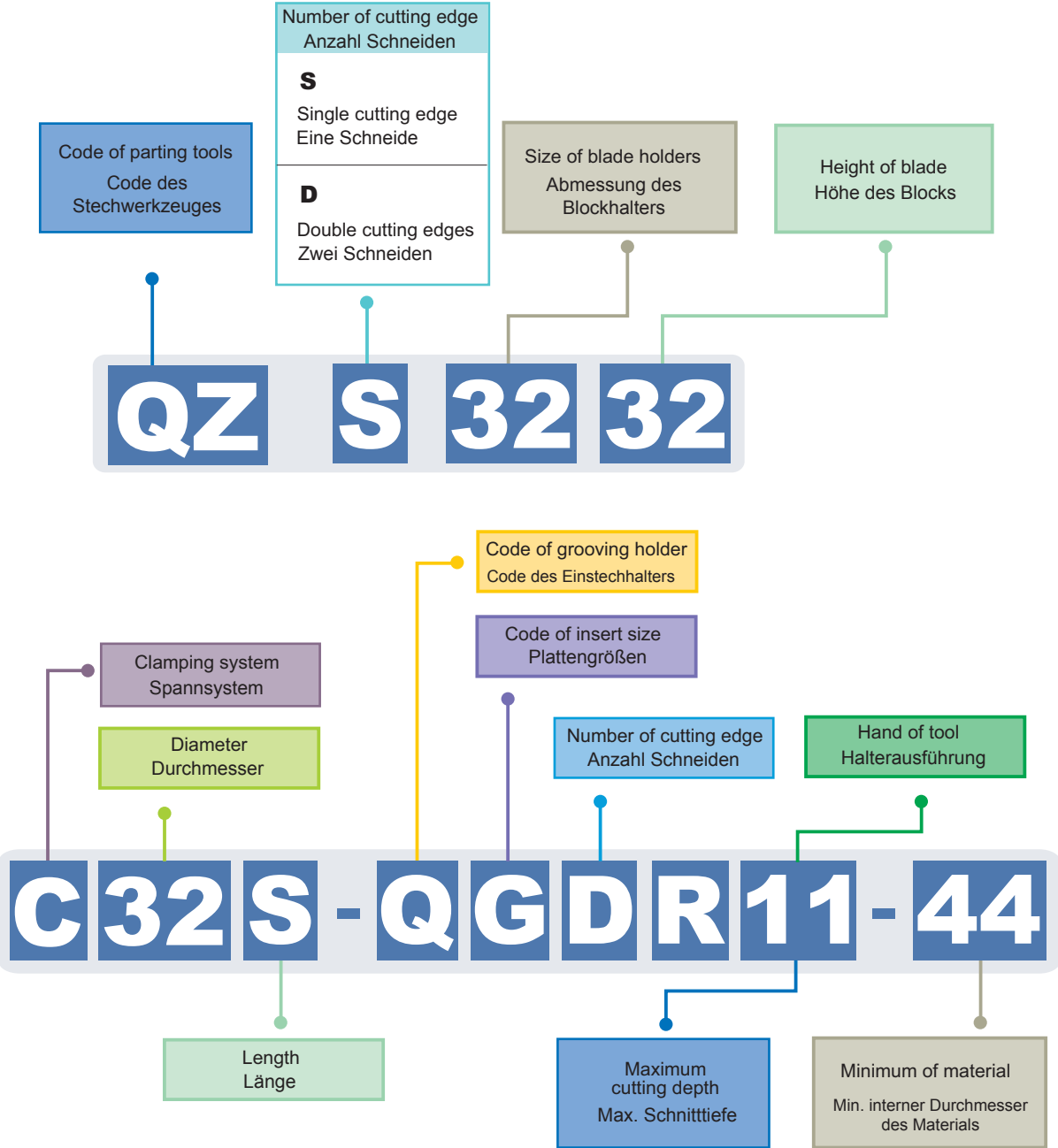
Parting & Grooving Tools Key Code · Ab- & Einstechwerkzeuge ISO Kennzeichen

A

General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen





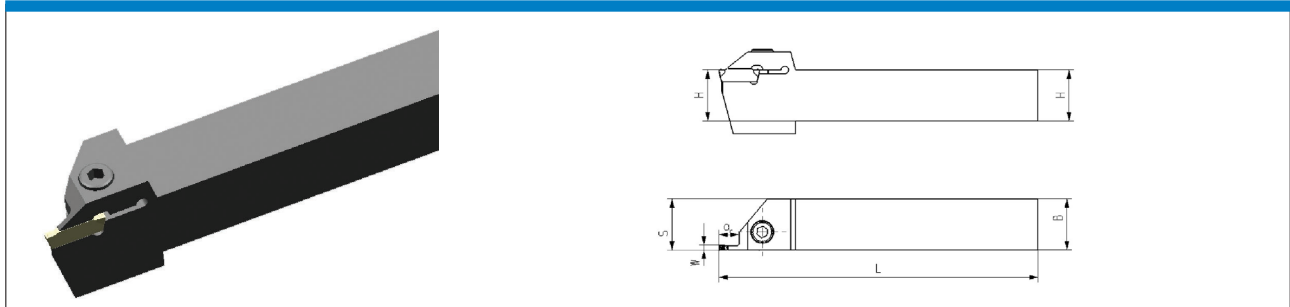
A
General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen

Turning · Drehen

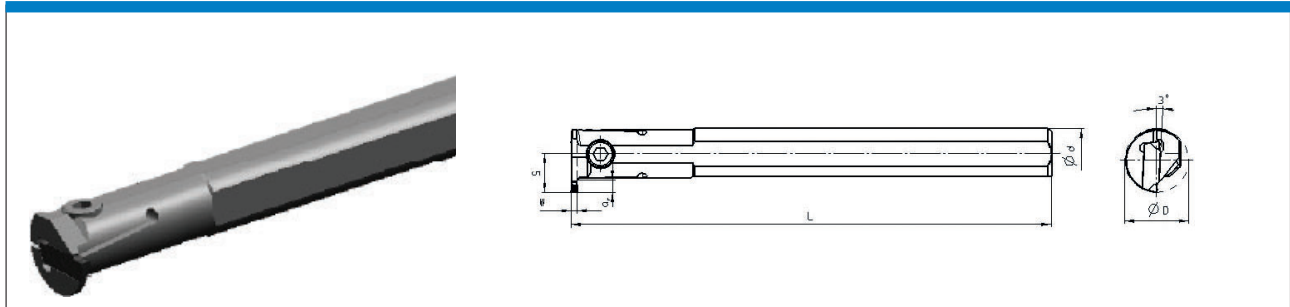
Parting & Grooving · Ab- & Einstechen

External parting, grooving and turning tools · Einstech- & Drehwerkzeuge (Außen)



Type Typ	Stock Stock		Dimension (mm) Abmessung					Inserts Stechplatte	Screw Schraube	Wrench Schlüssel
	R	L	H×B	L	S	W	a _r max			
QEBD	○	○	16×16	150	16.17	2	4	ZTBD02002	M5×16	WH40L
	○	○	20×20	150	20.17	2	7	ZTBD02002		

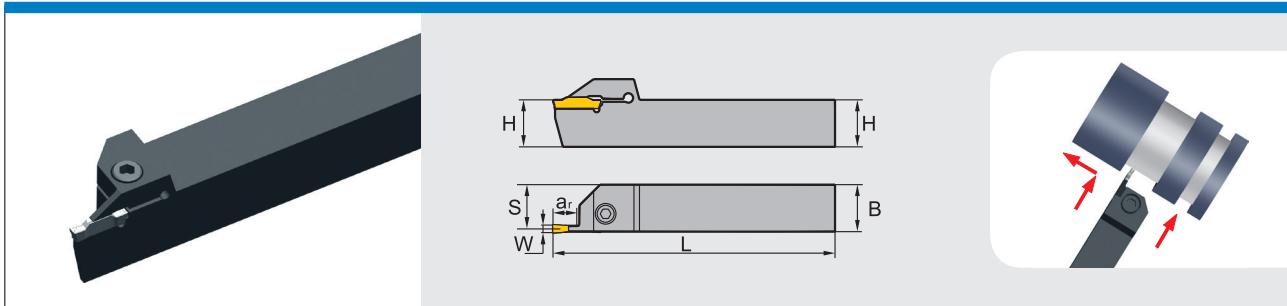
Internal parting, grooving and turning tools · Einstech- & Drehwerkzeuge (Innen)






Type Typ	Stock Stock		Dimension (mm) Abmessung					Inserts Stechplatte	Screw Schraube	Wrench Schlüssel
	R	L	d	L	S	W	a _r max			
C16M-QBDR/L04-20	●	○	16	150	12	2	4	ZTBD02002-MG	M5×10	WH40L

● ex stock · ab Lager ○ on demand · auf Anfrage

External parting, grooving and turning tools · Einstech- & Drehwerkzeuge (Außen)



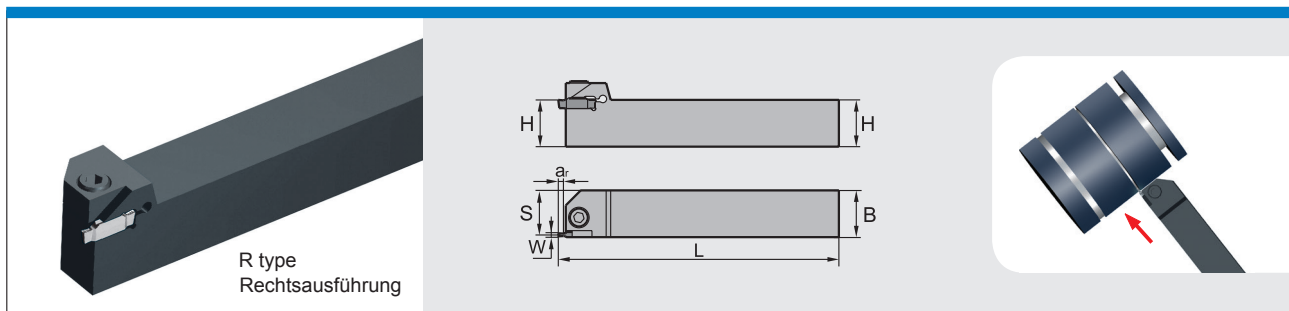
Type Typ		Stock Stock		Dimension (mm) Abmessung					Inserts Stechplatte	Screw Schraube	Wrench Schlüssel		
		R	L	H×B	L	S	W	ar max					
QEED	1616R/L10	●	●	16×16	125	15	2.5	10	Z*ED025**	GB70-85-M5×20	WH40L		
	1616R/L17	●	●	16×16	125	15	2.5	17	Z*ED025**				
	2020R/L10	●	●	20×20	15	10	2.5	10	Z*ED025**				
	2020R/L17	●	●	20×20	25	19	2.5	17	Z*ED025**	GB70-85-M6×20	WH50L		
	2525R/L10	●	●	25×25	150	19	2.5	10	Z*ED025**				
	2525R/L17	●	●	25×25	150	19	2.5	17	Z*ED025**				
QEFD	1616R/L10	●	●	16×16	125	14.8	3	10	Z*FD03**	GB70-85-M5×20	WH40L		
	1616R/L17	●	●	16×16	125	14.8	3	17	Z*FD03**				
	2020R/L10	●	●	20×20	125	18.8	3	10	Z*FD03**				
	2020R/L17	●	●	20×20	125	18.8	3	17	Z*FD03**	GB70-85-M6×20	WH50L		
	2525R/L10	●	●	25×25	150	23.8	3	10	Z*FD03**				
	2525R/L17	●	●	25×25	150	23.8	3	17	Z*FD03**				
QEGD	2020R/L13	●	●	20×20	140	18.5	4	13	Z*FD04**	GB70-85-M6×20	WH50L		
	2020R/L22	●	●	20×20	140	18.5	4	22	Z*GD04**				
	2525R/L13	●	●	25×25	150	23.5	4	13	Z*GD04**				
	2525R/L22	●	●	25×25	150	23.5	4	22	Z*GD04**				
	3232R/L13	●	●	32×32	170	30.5	4	13	Z*GD04**				
	3232R/L22	●	●	32×32	170	30.5	4	22	Z*GD04**				
QEHD	2525R/L13	●	●	25×25	150	23	5	13	Z*HD05**	GB70-85-M6×20	WH50L		
	2525R/L22	●	●	25×25	15	23	5	22	Z*HD05**				
QEHS	2525N30	●		25×25	150	12.5	5	30	Z*HS05**				
QEHD	3232R/L13	●	●	32×32	170	30	5	13	Z*HD05**				
	3232R/L22	●	●	32×32	170	30	5	22	Z*HD05**				
QEHS	3232N30	●		32×32	170	16	5	30	Z*HS05**				
QEKD	2525R/L13	●	●	25×25	150	22.6	6	13	Z*KD06**			GB70-85-M6×20	WH50L
	2525R/L22	●	●	25×25	150	22.6	6	22	Z*KD06**				
QEKs	2525N30	○		25×25	15	12.5	6	30	Z*KS06**				
QEKD	3232R/L13	●	●	32×32	170	29.6	6	13	Z*KD06**				
	3232R/L22	●	●	32×32	170	29.6	6	22	Z*KD06**				
QEKs	3232N30	○		32×32	170	16	6	30	Z*KS06**				

● ex stock · ab Lager ○ on demand · auf Anfrage

Turning · Drehen

Parting & Grooving · Ab- & Einstechen

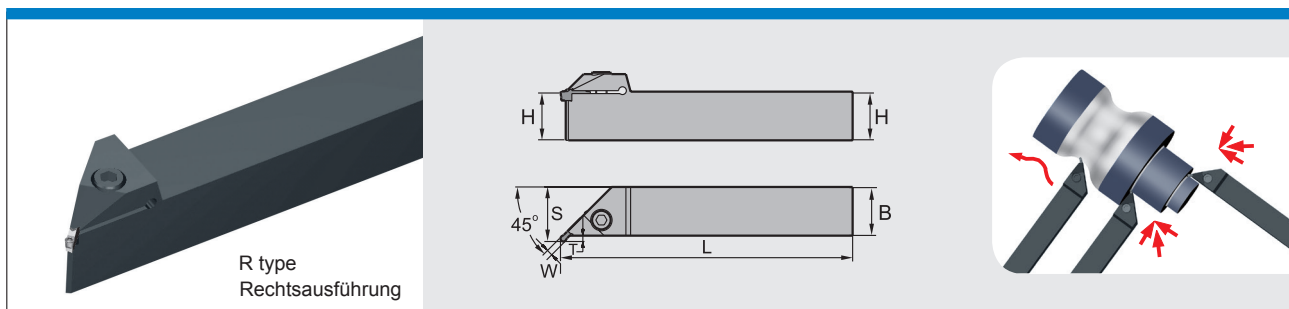
Precise grooving and turning tools · Präzisions Einstech- & Drehwerkzeuge



R type
Rechtsausführung

Type Typ		Stock Stock		Dimension (mm) Abmessung					Inserts Stechplatte	Screw Schraube	Wrench Schlüssel
		R	L	H×B	L	S	W	ar max			
QECD	1616R/L025	○	○	16×16	125	14.75		2.5	ZT**D***-EG	GB70-85-M5×20	WH40L
	2020R/L025	○	○	20×20	125	18.75					
	2525R/L025	○	○	25×25	150	23.75					

External recess and profiling turning tools · Hinterdrehstech- & Profildrehwerkzeuge (Außen)

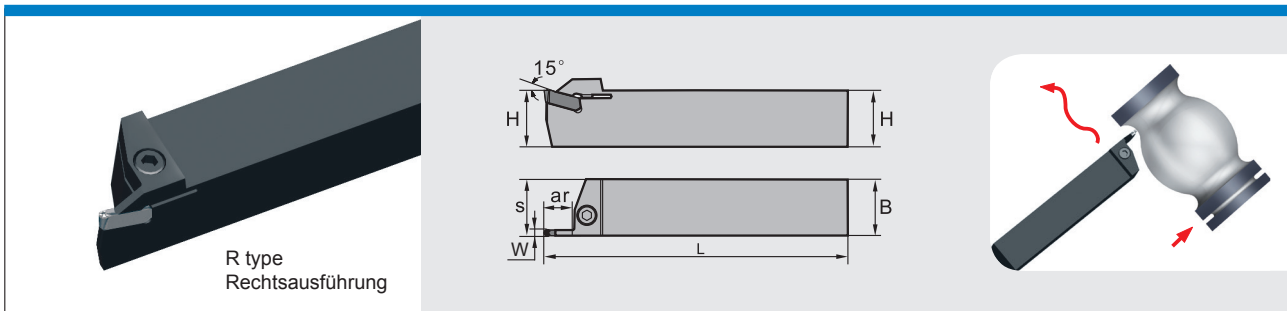


R type
Rechtsausführung

Type Typ		Stock Stock		Dimension (mm) Abmessung					Inserts Stechplatte	Screw Schraube	Wrench Schlüssel
		R	L	H×B	L	S	W	ar max			
QXFD	2020R/L03-45	○	○	20×20	125	23	3.0	3.0	ZR(T)FD03-EG ZR(T)FD03-MG	GB70-85-M6×20	WH50L
	2525R/L03-45	●	●	25×25	150	28					
	3232R/L03-45	○	○	32×32	170	35					
QXGD	2020R/L03-45	○	○	20×20	125	23	4.0	3.0	ZR(T)GD04-EG ZR(T)GD04-MG		
	2525R/L03-45	○	○	25×25	150	28					
	3232R/L03-45	○	○	32×32	170	35					
QXHD	2020R/L04-45	○	○	20×20	125	24	5.0	4.0	ZR(T)HD05-EG ZR(T)HD05-MG		
	2525R/L04-45	○	○	25×25	150	29					
	3232R/L04-45	○	○	32×32	170	36					
QXKD	2020R/L04-45			20×20	125	24	6.0	4.0	ZR(T)KD06-EG ZR(T)KD06-MG		
	2525R/L04-45	○	○	25×25	150	29					
	3232R/L04-45	○	○	32×32	170	36					

● ex stock · ab Lager ○ on demand · auf Anfrage

External grooving tools for difficult machining Stehdrehwerkzeug für die schwierige Bearbeitung (Außen)



Type Typ		Stock Stock		Dimension (mm) Abmessung					Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
		R	L	H×B	L	S	W	ar max			
QEFS	2525R/L12-3N	○	○	25×25	150	25.3	3	12	ZIGQ3N-NM ZIMF304N-NM	GB70-85-M6×20	WH50L
	3232R/L22-3N	○	○	32×32	170	32.3	3	22			
QEGS	2525R/L12-4N	○	○	25×25	150	25.3	4	12	ZIGQ4N-NM ZIMF406N-NM		
	3232R/L22-4N	○	○	32×32	170	32.3	4	22			
QEHS	2525R/L12-5N	○	○	25×25	150	25.4	5	12	ZIGQ5N-NM ZIMF506N-NM		
	3232R/L22-5N	○	○	32×32	170	32.4	5	22			
QEKs	2525R/L12-6N	○	○	25×25	150	25.4	6	12	ZIGQ6N-NM ZIMF608N-NM		
	3232R/L22-6N	○	○	32×32	170	32.4	6	22			

A

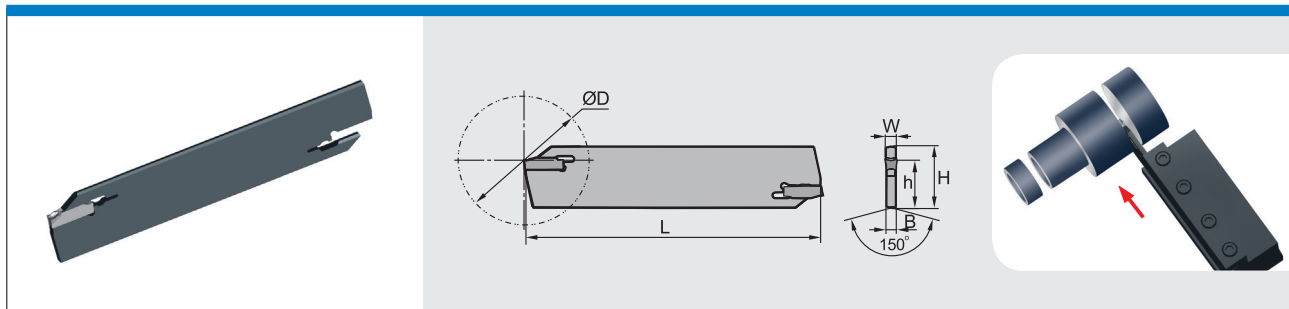
General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen

Turning · Drehen

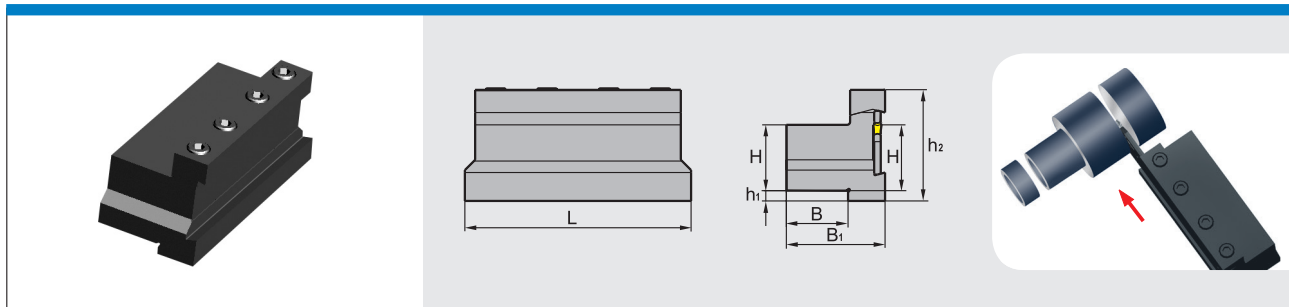
Parting & Grooving · Ab- & Einstechen

Blade for external parting · Abstechschwert zur Außenbearbeitung



Type Typ	Stock Stock	Dimension (mm) Abmessung						Inserts Stechplatten	Wrench Schlüssel
		L	H	h	B	W	ØD max		
QEES26N	●	110	26	19	2	2.5	60	ZPES02502-MG	W50RL
QEFS26N	●	110	26	19	2.4	3	60	ZPFS0302-MG	
QEGS26N	●	110	26	19	3.2	4	70	ZPGS0402-MG	
QEHS26N	●	110	26	19	4	5	70	ZPHS0503-MG	
QEKS26N	●	110	26	19	5	6	70	ZPKS0604-MG	
QEES32N	●	150	32	24.6	2	2.5	100	ZPES02502-MG	
QEFS32N	●	150	32	24.6	2.4	3	100	ZPFS0302-MG	
QEGS32N	●	150	32	24.6	3.2	4	120	ZPGS0402-MG	
QEHS32N	●	150	32	24.6	4	5	120	ZPHS0503-MG	
QEKS32N	●	150	32	24.6	5	6	120	ZPKS0604-MG	

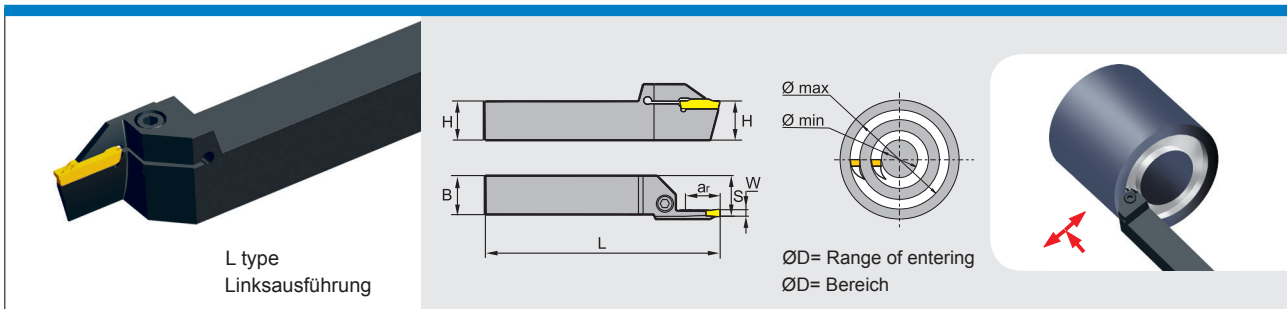
Holder for external parting · Spannblock zur Außenbearbeitung






Type Typ	Stock Stock	Dimension (mm) Abmessung						Clamp Klemme	Screw Schraube	Wrench Schlüssel
		L	H	h1	h2	B	B1			
QZS2026	●	86	20	10	46.6	19	38	QZC26	GB70-85-M6×20	WH50L
QZS2526	●	86	25	5	46.6	23	42	QZC26		
QZS3226	○	86	32	3	51.6	30	48	QZC26		
QZS2032	●	110	20	13	50	19	38	QZC32		
QZS2532	●	110	25	8	50	23	42	QZC32		
QZS3232	●	110	32	5	54	30	48	QZC32		

● ex stock · ab Lager ○ on demand · auf Anfrage

■ Axial grooving and turning tools · Axialstech- & Drehwerkzeug



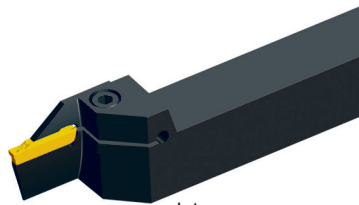
Type Typ	Stock Stock		Dimension (mm) Abmessung							Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
	R	L	H×B	L	S	W	ar max	ØD (min-max)				
QFFD	2020R/L7-48H	○	○	20×20	150	21	3	7	48-66	ZTFD0303-MG	GB70-85-M6×20	WH50L
	2020R/L10-48H	○	○	20×20	150	21	3	10	48-66			
	2525R/L10-48H	●	●	25×25	150	26	3	10	48-66			
	2525R/L17-48H	●	●	25×25	150	26	3	17	48-66			
	2020R/L7-60H	○	○	20×20	150	21	3	7	60-80			
	2020R/L10-60H	○	○	20×20	150	21	3	10	60-80			
	2525R/L10-60H	●	●	25×25	150	26	3	10	60-80			
	2525R/L17-60H	●	●	25×25	150	26	3	17	60-80			
	2020R/L7-74H	○	○	20×20	150	21	3	7	74-110			
	2020R/L10-74H	○	○	20×20	150	21	3	10	74-110			
	2525R/L10-74H	●	●	25×25	150	26	3	10	74-110			
	2525R/L17-74H	●	●	25×25	150	26	3	17	74-110			
	2020R/L7-100H	○	○	20×20	150	21	3	7	100-150			
	2020R/L10-100H	○	○	20×20	150	21	3	10	100-150			
	2525R/L10-100H	●	●	25×25	150	26	3	10	100-150			
2525R/L17-100H	●	●	25×25	150	26	3	17	100-150				
QFGD	2020R/L10-52H	○	○	20×20	150	21	4	10	52-72	ZTGD0404-MG	GB70-85-M6×20	WH50L
	2525R/L13-52H	●	●	25×25	150	26	4	13	52-72			
	2020R/L15-52H	○	○	20×20	150	21	4	15	52-72			
	2525R/L22-52H	●	●	25×25	150	26	4	22	52-72			
	2020R/L10-64H	○	○	20×20	150	21	4	10	64-100			
	2525R/L13-64H	●	●	25×25	150	26	4	13	64-100			
	2020R/L15-64H	○	○	20×20	150	21	4	15	64-100			
	2525R/L22-64H	●	●	25×25	150	26	4	22	64-100			
	2020R/L10-90H	○	○	20×20	150	21	4	10	90-140			
	2525R/L13-90H	●	●	25×25	150	26	4	13	90-140			
	2020R/L15-90H	○	○	20×20	150	21	4	15	90-140			
	2525R/L22-90H	●	●	25×25	150	26	4	22	90-140			
	2020R/L10-130H	○	○	20×20	150	21	4	10	130-230			
	2525R/L13-130H	●	●	25×25	150	26	4	13	130-230			
	2020R/L15-130H	○	○	20×20	150	21	4	15	130-230			
2525R/L22-130H	●	●	25×25	150	26	4	22	130-230				

● ex stock · ab Lager ○ on demand · auf Anfrage

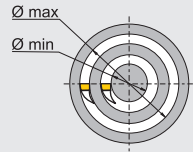
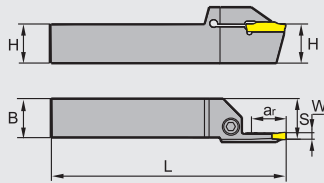
Turning · Drehen

Parting & Grooving · Ab- & Einstechen

■ Axial grooving and turning tools · Axialstech- & Drehwerkzeug



L type
Linksausführung



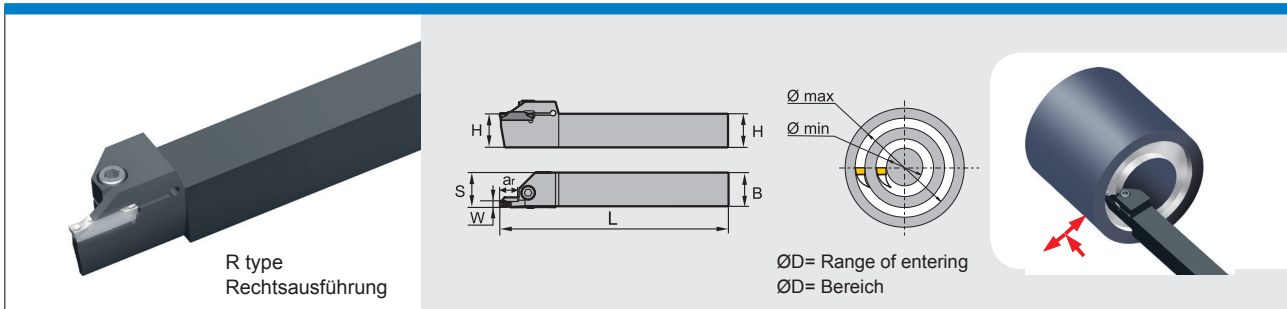
ØD= Range of entering
ØD= Bereich



Type Typ		Stock Stock		Dimension (mm) Abmessung						Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
		R	L	H×B	L	S	W	ar max	ØD (min-max)			
QFHD	2525R/L13-58H	●	●	25×25	150	26	5	13	58-96	ZTHD0504-MG	GB70-85-M6×20	WH50L
	2525R/L22-58H	●	●	25×25	150	26	5	22	58-96			
	2525R/L13-86H	●	●	25×25	150	26	5	13	86-140			
	2525R/L22-86H	●	●	25×25	150	26	5	22	86-140			
	2525R/L13-130H	●	●	25×25	150	26	5	13	130-200			
	2525R/L22-130H	●	●	25×25	150	26	5	22	130-200			
	2525R/L13-185H	●	●	25×25	150	26	5	13	185-400			
	2525R/L22-185H	●	●	25×25	150	26	5	22	185-400			
QFHS	2525R/L30-185H	●	●	25×25	150	26	5	30	185-400	ZTHS0504-MG		
QFKD	2525R/L13-60H	●	●	25×25	150	26	6	13	60-100	ZTKD0608-MG ZRKD06-MG	GB70-85-M6×20	WH50L
	2525R/L22-60H	●	●	25×25	150	26	6	22	60-100			
	2525R/L13-88H	○	●	25×25	150	26	6	13	88-180			
	2525R/L22-88H	●	●	25×25	150	26	6	22	88-180			
	2525R/L13-160H	●	●	25×25	150	26	6	13	160-400			
	2525R/L22-160H	●	●	25×25	150	26	6	22	160-400			
QFKS	2525R/L30-160H	●	●	25×25	150	26	6	30	160-400	ZTKS0608-MG		

● ex stock · ab Lager ○ on demand · auf Anfrage

■ Axial grooving and turning tools · Axialstech- & Drehwerkzeug



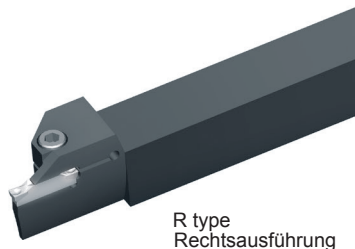
Type Typ	Stock Stock		Dimension (mm) Abmessung						ØD (min-max)	Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
	R	L	H×B	L	S	W	ar max					
QFFD	2020RR7-48H	○	○	20×20	150	21	3	7	48-66	ZTFD0303-MG	GB70-85-M6×20	WH50L
	2020RR10-48H	○	○	20×20	150	21	3	10	48-66			
	2525RR10-48H	○	○	25×25	150	26	3	10	48-66			
	2525RR17-48H	○	○	25×25	150	26	3	17	48-66			
	2020RR7-60H	○	○	20×20	150	21	3	7	60-80			
	2020RR10-60H	○	○	20×20	150	21	3	10	60-80			
	2525RR10-60H	○	○	25×25	150	26	3	10	60-80			
	2525RR17-60H	○	○	25×25	150	26	3	17	60-80			
	2020RR7-74H	○	○	20×20	150	21	3	7	74-110			
	2020RR10-74H	○	○	20×20	150	21	3	10	74-110			
	2525RR10-74H	○	○	25×25	150	26	3	10	74-110			
	2525RR17-74H	○	○	25×25	150	26	3	17	74-110			
	2020RR7-100H	○	○	20×20	150	21	3	7	100-150			
	2020RR10-100H	○	○	20×20	150	21	3	10	100-150			
2525RR10-100H	○	○	25×25	150	26	3	10	100-150				
2525RR17-100H	○	○	25×25	150	26	3	17	100-150				
QFGD	2020RR10-52H	○	○	20×20	150	21	4	10	52-72	ZTGD0404-MG	GB70-85-M6×20	WH50L
	2020RR15-52H	○	○	20×20	150	26	4	15	52-72			
	2525RR13-52H	●	○	25×25	150	21	4	13	52-72			
	2525RR22-52H	○	○	25×25	150	26	4	22	52-72			
	2020RR10-64H	○	○	20×20	150	21	4	10	64-100			
	2020RR15-64H	○	○	20×20	150	26	4	15	64-100			
	2525RR13-64H	○	○	25×25	150	21	4	13	64-100			
	2525RR22-64H	○	○	25×25	150	26	4	22	64-100			
	2020RR10-90H	○	○	20×20	150	21	4	10	90-140			
	2020RR15-90H	○	○	20×20	150	26	4	15	90-140			
	2525RR13-90H	○	○	25×25	150	21	4	13	90-140			
	2525RR22-90H	○	○	25×25	150	26	4	22	90-140			
	2020RR10-130H	○	○	20×20	150	21	4	10	130-230			
	2020RR15-130H	○	○	20×20	150	26	4	15	130-230			
2525RR13-130H	○	○	25×25	150	21	4	13	130-230				
2525RR22-130H	○	○	25×25	150	26	4	22	130-230				

● ex stock · ab Lager ○ on demand · auf Anfrage

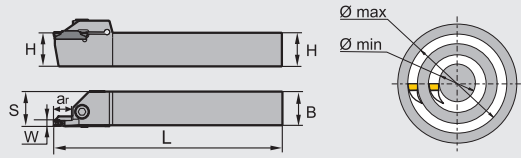
Turning · Drehen

Parting & Grooving · Ab- & Einstechen

■ Axial grooving and turning tools · Axialstech- & Drehwerkzeug



R type
Rechtausführung



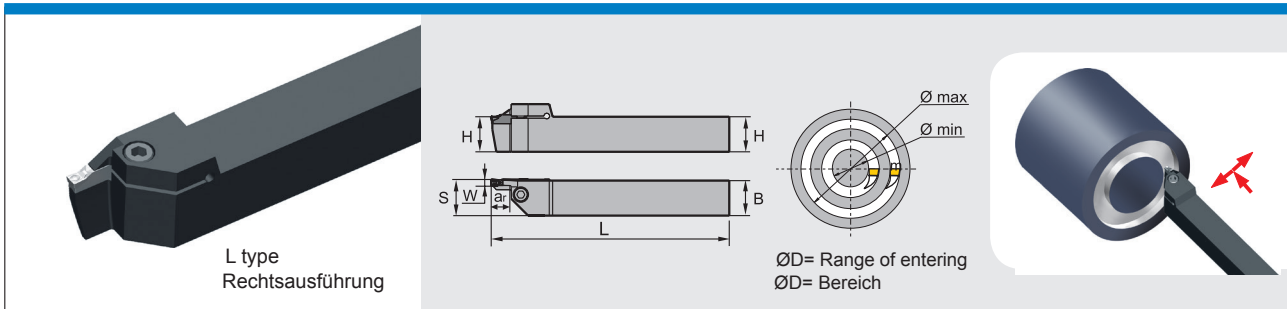
ØD= Range of entering
ØD= Bereich






Type Typ		Stock Stock		Dimension (mm) Abmessung						Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
		R	L	H×B	L	S	W	ar _{max}	ØD (min-max)			
QFHD	2525RR13-58H	○	○	25×25	150	26	5	13	58-96	ZTHD0504-MG	GB70-85-M6×20	WH50L
	2525RR22-58H	●	○	25×25	150	26	5	22	58-96			
	2525RR13-86H	○	○	25×25	150	26	5	13	86-140			
	2525RR22-86H	○	○	25×25	150	26	5	22	86-140			
	2525RR13-130H	○	○	25×25	150	26	5	13	130-200			
	2525RR22-130H	●	○	25×25	150	26	5	22	130-200			
	2525RR13-185H	○	○	25×25	150	26	5	13	185-400			
	2525RR22-185H	○	○	25×25	150	26	5	22	185-400			
QFHS	2525RR30-185H	○	○	25×25	150	26	5	30	185-400	ZTHS0504-MG		
QFKD	2525RR13-60H	○	○	25×25	150	26	6	13	60-100	ZTKD0608-MG ZRKD06-MG	GB70-85-M6×20	WH50L
	2525RR22-60H	○	○	25×25	150	26	6	22	60-100			
	2525RR13-88H	○	○	25×25	150	26	6	13	88-180			
	2525RR22-88H	○	○	25×25	150	26	6	22	88-180			
	2525RR13-160H	○	○	25×25	150	26	6	13	160-400			
2525RR22-160H	○	○	25×25	150	26	6	22	160-400				
QFKS	2525RR30-160H	○	○	25×25	150	26	6	30	160-400	ZTKS0608-MG		

● ex stock · ab Lager ○ on demand · auf Anfrage

■ Axial grooving and turning tools · Axialstech- & Drehwerkzeug



Type Typ	Stock Stock		Dimension (mm) Abmessung							Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
	R	L	H×B	L	S	W	ar max	ØD (min-max)				
QFFD	2020LL7-48H	○	○	20×20	150	21	3	7	48-66	ZTFD0303-MG	GB70-85-M6×20	WH50L
	2020LL10-48H	○	○	20×20	150	21	3	10	48-66			
	2525LL10-48H	○	○	25×25	150	26	3	10	48-66			
	2525LL17-48H	○	○	25×25	150	26	3	17	48-66			
	2020LL7-60H	○	○	20×20	150	21	3	7	60-80			
	2020LL10-60H	○	○	20×20	150	21	3	10	60-80			
	2525LL10-60H	○	○	25×25	150	26	3	10	60-80			
	2525LL17-60H	○	○	25×25	150	26	3	17	60-80			
	2020LL7-74H	○	○	20×20	150	21	3	7	74-110			
	2020LL10-74H	○	○	20×20	150	21	3	10	74-110			
	2525LL10-74H	○	○	25×25	150	26	3	10	74-110			
	2525LL17-74H	○	○	25×25	150	26	3	17	74-110			
	2020LL7-100H	○	○	20×20	150	21	3	7	100-150			
	2020LL10-100H	○	○	20×20	150	21	3	10	100-150			
	2525LL10-100H	○	○	25×25	150	26	3	10	100-150			
2525LL17-100H	○	○	25×25	150	26	3	17	100-150				
QFGD	2020LL10-52H	○	○	20×20	150	21	4	10	52-72	ZTGD0404-MG	GB70-85-M6×20	WH50L
	2020LL15-52H	○	○	20×20	150	26	4	15	52-72			
	2525LL13-52H	○	○	25×25	150	21	4	13	52-72			
	2525LL22-52H	○	○	25×25	150	26	4	22	52-72			
	2020LL10-64H	○	○	20×20	150	21	4	10	64-100			
	2020LL15-64H	○	○	20×20	150	26	4	15	64-100			
	2525LL13-64H	○	○	25×25	150	21	4	13	64-100			
	2525LL22-64H	○	○	25×25	150	26	4	22	64-100			
	2020LL10-90H	○	○	20×20	150	21	4	10	90-140			
	2020LL15-90H	○	○	20×20	150	26	4	15	90-140			
	2525LL13-90H	○	○	25×25	150	21	4	13	90-140			
	2525LL22-90H	○	○	25×25	150	26	4	22	90-140			
	2020LL10-130H	○	○	20×20	150	21	4	10	130-230			
	2020LL15-130H	○	○	20×20	150	26	4	15	130-230			
	2525LL13-130H	○	○	25×25	150	21	4	13	130-230			
2525LL22-130H	○	○	25×25	150	26	4	22	130-230				

● ex stock · ab Lager ○ on demand · auf Anfrage

A

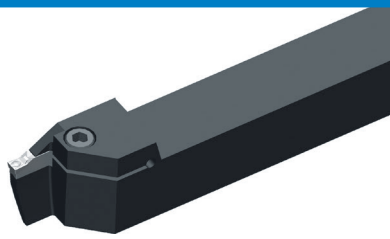
General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen

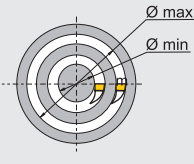
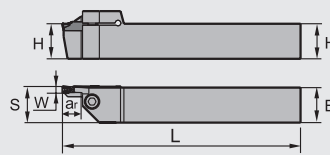
Turning · Drehen

Parting & Grooving · Ab- & Einstechen

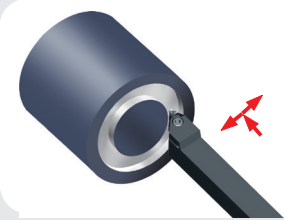
■ Axial grooving and turning tools · Axialstech- & Drehwerkzeug



L type
Linksausführung



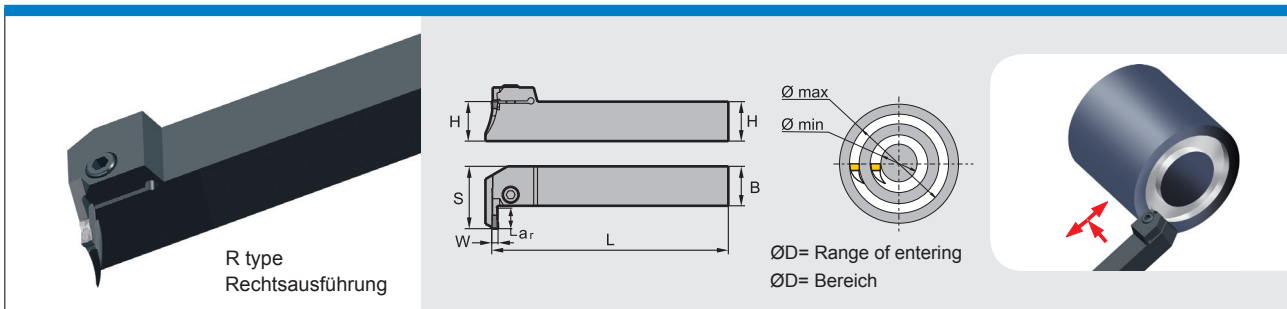
ØD= Range of entering
ØD= Bereich






Type Typ		Stock Stock		Dimension (mm) Abmessung						Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
		R	L	H×B	L	S	W	ar max	ØD (min-max)			
QFHD	2525LL13-58H	○	○	25×25	150	26	5	13	58-96	ZTHD0504-MG	GB70-85-M6×20	WH50L
	2525LL22-58H	○	○	25×25	150	26	5	22	58-96			
	2525LL13-86H	○	○	25×25	150	26	5	13	86-140			
	2525LL22-86H	○	○	25×25	150	26	5	22	86-140			
	2525LL13-130H	○	○	25×25	150	26	5	13	130-200			
	2525LL22-130H	○	○	25×25	150	26	5	22	130-200			
	2525LL13-185H	○	○	25×25	150	26	5	13	185-400			
	2525LL22-185H	○	○	25×25	150	26	5	22	185-400			
QFHS	2525LL30-185H	○	○	25×25	150	26	5	30	185-400	ZTHS0504-MG		
QFKD	2525LL13-60H	○	○	25×25	150	26	6	13	60-100	ZTKD0608-MG ZRKD06-MG	GB70-85-M6×20	WH50L
	2525LL22-60H	○	○	25×25	150	26	6	22	60-100			
	2525LL13-88H	○	○	25×25	150	26	6	13	88-180			
	2525LL22-88H	○	○	25×25	150	26	6	22	88-180			
	2525LL13-160H	○	○	25×25	150	26	6	13	160-400			
	2525LL22-160H	○	○	25×25	150	26	6	22	160-400			
QFKS	2525LL30-160H	○	○	25×25	150	26	6	30	160-400	ZTKS0608-MG		

● ex stock · ab Lager ○ on demand · auf Anfrage

L type tools for Axial grooving and turning · L-Typ Axialstech- & Drehwerkzeug



Type Typ	Stock Stock		Dimension (mm) Abmessung						Inserts Stechplatten	Screw Schraube	Wrench Schlüssel	
	R	L	H×B	L	S	W	ar max	ØD (min-max)				
QFFD	2020R/L7-48L	○	○	20×20	150	28.5	3	7	48-66	ZTFD0303-MG	GB70-85-M6×20	WH50L
	2020R/L10-48L	○	○	20×20	150	31.5	3	10	48-66			
	2525R/L10-48L	○	●	25×25	150	36.5	3	10	48-66			
	2525R/L17-48L	○	○	25×25	150	43.5	3	17	48-66			
	2020R/L7-60L	○	○	20×20	150	28.5	3	7	60-80			
	2020R/L10-60L	●	○	20×20	150	31.5	3	10	60-80			
	2525R/L10-60L	●	○	25×25	150	36.5	3	10	60-80			
	2525R/L17-60L	○	○	25×25	150	43.5	3	17	60-80			
	2020R/L7-74L	○	○	20×20	150	28.5	3	7	74-110			
	2020R/L10-74L	●	○	20×20	150	31.5	3	10	74-110			
	2525R/L10-74L	○	○	25×25	150	36.5	3	10	74-110			
	2525R/L17-74L	○	○	25×25	150	43.5	3	17	74-110			
	2020R/L7-100L	○	○	20×20	150	28.5	3	7	100-150			
	2020R/L10-100L	○	○	20×20	150	31.5	3	10	100-150			
2525R/L10-100L	○	○	25×25	150	36.5	3	10	100-150				
2525R/L17-100L	●	○	25×25	150	43.5	3	17	100-150				
QFGD	2020R/L10-52L	○	○	20×20	150	31.5	4	10	52-72	ZTGD0404-MG	GB70-85-M6×20	WH50L
	2525R/L13-52L	○	○	25×25	150	39.5	4	13	52-72			
	2020R/L15-52L	○	○	20×20	150	36.5	4	15	52-72			
	2525R/L22-52L	○	○	25×25	150	48.5	4	22	52-72			
	2020R/L10-64L	○	○	20×20	150	31.5	4	10	64-100			
	2525R/L13-64L	○	○	25×25	150	39.5	4	13	64-100			
	2020R/L15-64L	○	○	20×20	150	36.5	4	15	64-100			
	2525R/L22-64L	○	○	25×25	150	48.5	4	22	64-100			
	2020R/L10-90L	●	○	20×20	150	31.5	4	10	90-140			
	2525R/L13-90L	○	○	25×25	150	39.5	4	13	90-140			
	2020R/L15-90L	○	○	20×20	150	36.5	4	15	90-140			
	2525R/L22-90L	○	○	25×25	150	48.5	4	22	90-140			
	2020R/L10-130L	●	○	20×20	150	31.5	4	10	130-230			
	2525R/L13-130L	○	○	25×25	150	39.5	4	13	130-230			
2020R/L15-130L	○	○	20×20	150	36.5	4	15	130-230				
2525R/L22-130L	●	○	25×25	150	48.5	4	22	130-230				

● ex stock · ab Lager ○ on demand · auf Anfrage

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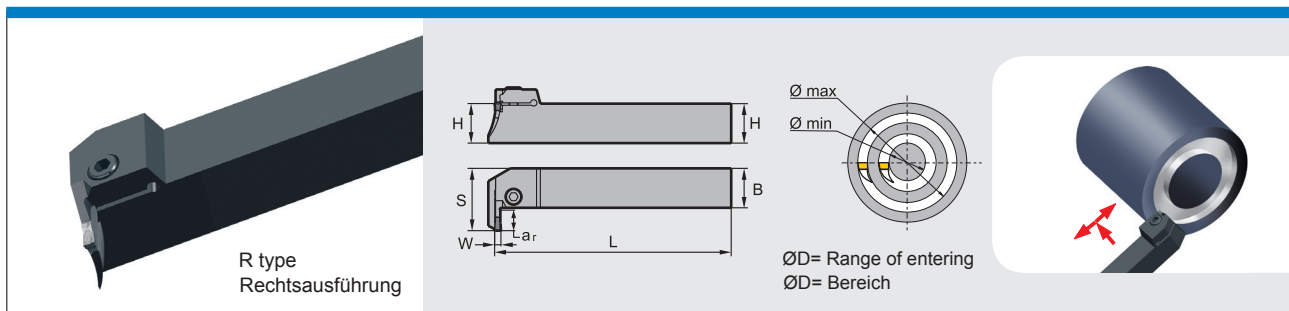
General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen

Turning · Drehen

Parting & Grooving · Ab- & Einstechen

L type tools for Axial grooving and turning · L-Typ Axialstech- & Drehwerkzeug



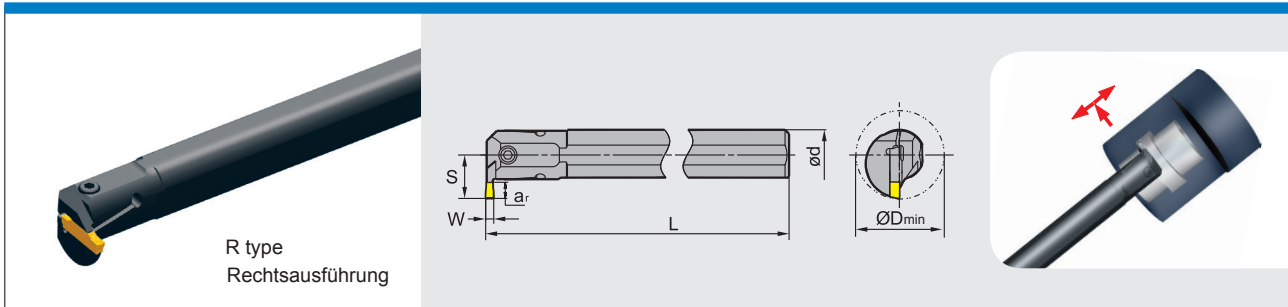
R type
Rechtsausführung

ØD= Range of entering
ØD= Bereich

Type Typ	Stock Stock		Dimension (mm) Abmessung							Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
	R	L	H×B	L	S	W	ar max	ØD (min-max)				
QFHD	2525R/L13-58L	○	○	25×25	150	39.5	5	13	58-96	ZTHD0504-MG	GB70-85-M6×20	WH50L
	2525R/L22-58L	○	○	25×25	150	48.5	5	22	58-96			
	2525R/L13-86L	●	○	25×25	150	39.5	5	13	86-140			
	2525R/L22-86L	○	○	25×25	150	48.5	5	22	86-140			
	2525R/L13-130L	○	○	25×25	150	39.5	5	13	130-200			
	2525R/L22-130L	○	○	25×25	150	48.5	5	22	130-200			
	2525R/L13-185L	○	○	25×25	150	39.5	5	13	185-400			
QFHS	2525R/L22-185L	○	○	25×25	150	48.5	5	22	185-400	ZTHS0504-MG		
QFKD	2525R/L13-60L	○	○	25×25	150	39.5	6	13	60-100	ZTKD0608-MG	GB70-85-M6×20	WH50L
	2525R/L22-60L	○	●	25×25	150	48.5	6	22	60-100			
	2525R/L13-88L	○	○	25×25	150	39.5	6	13	88-180			
	2525R/L22-88L	○	○	25×25	150	48.5	6	22	88-180			

● ex stock · ab Lager ○ on demand · auf Anfrage

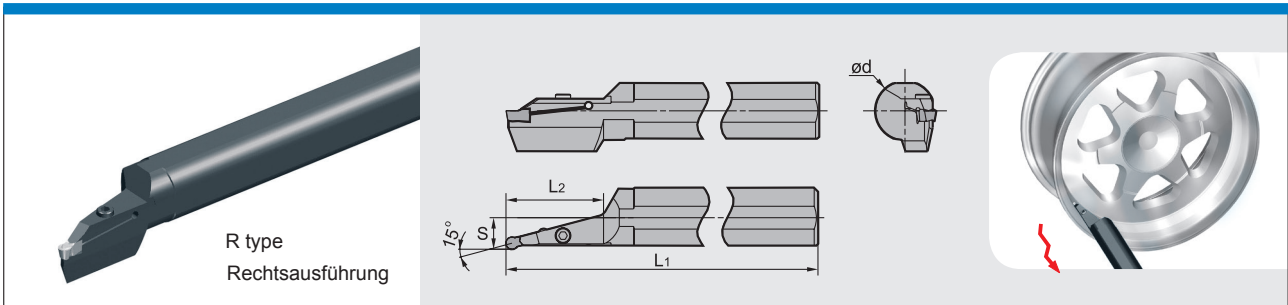
Internal grooving and turning tools · Einstech- & Drehwerkzeuge (Innen)



R type
Rechtsausführung

Type Typ	Stock Stock		Dimension (mm) Abmessung						Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
	R	L	ød	L	S	W	ar _{max}	ØD _{min}			
C20Q-QEDR/L05-27	●	●	20	180	15.2	2.5	5	27	ZTED02* ZRED025*	GB70-85-M4×12	WH30L
C25R-QEDR/L07-33	●	●	25	200	20.3	2.5	7	33		GB70-85-M5×16	WH40L
C32S-QEDR/L09-42	●	●	32	250	25.3	2.5	9	42	ZTFD03* ZRFD03*	GB70-85-M5×20	WH40L
C20Q-QFDR/L05-27	●	●	20	0	15.2	3	5	27		GB70-85-M4×12	
C25R-QFDR/L07-33	●	●	25	200	20.3	3	7	33	ZTGD04* ZRGD04*	GB70-85-M5×16	WH40L
C32S-QFDR/L09-42	●	●	32	250	25.3	3	9	42		GB70-85-M5×20	
C25R-QGDR/L08-35	●	●	25	200	21.5	4	8	35	ZTHD05* ZRHD05*	GB70-85-M5×16	WH40L
C32S-QGDR/L11-44	●	●	32	250	27.5	4	11	44		GB70-85-M6×20	
C40T-QGDR/L13-54	●	●	40	300	33.5	4	13	5	ZTKD06* ZRKD06*	GB70-85-M6×20	WH50L
C25R-QHDR/L08-35	●	○	25	200	21.5	5	8	35		GB70-85-M5×16	
C32S-QHDR/L11-44	●	●	32	250	27.5	5	11	44	ZTKD06* ZRKD06*	GB70-85-M6×20	WH50L
C40T-QHDR/L13-54	●	○	40	300	33.5	5	13	54		GB70-85-M6×20	
C25R-QKDR/L08-35	○	●	25	200	21.5	6	8	35	ZTKD06* ZRKD06*	GB70-85-M5×16	WH40L
C32S-QKDR/L11-44	●	●	32	250	27.5	6	11	44		GB70-85-M6×20	
C40T-QKDR/L13-54	●	●	40	300	33.5	6	13	54	ZTKD06* ZRKD06*	GB70-85-M6×20	WH50L

Profiling and turning tools for Al · Profildreh- & Einstechwerkzeuge für Alu (Innen)



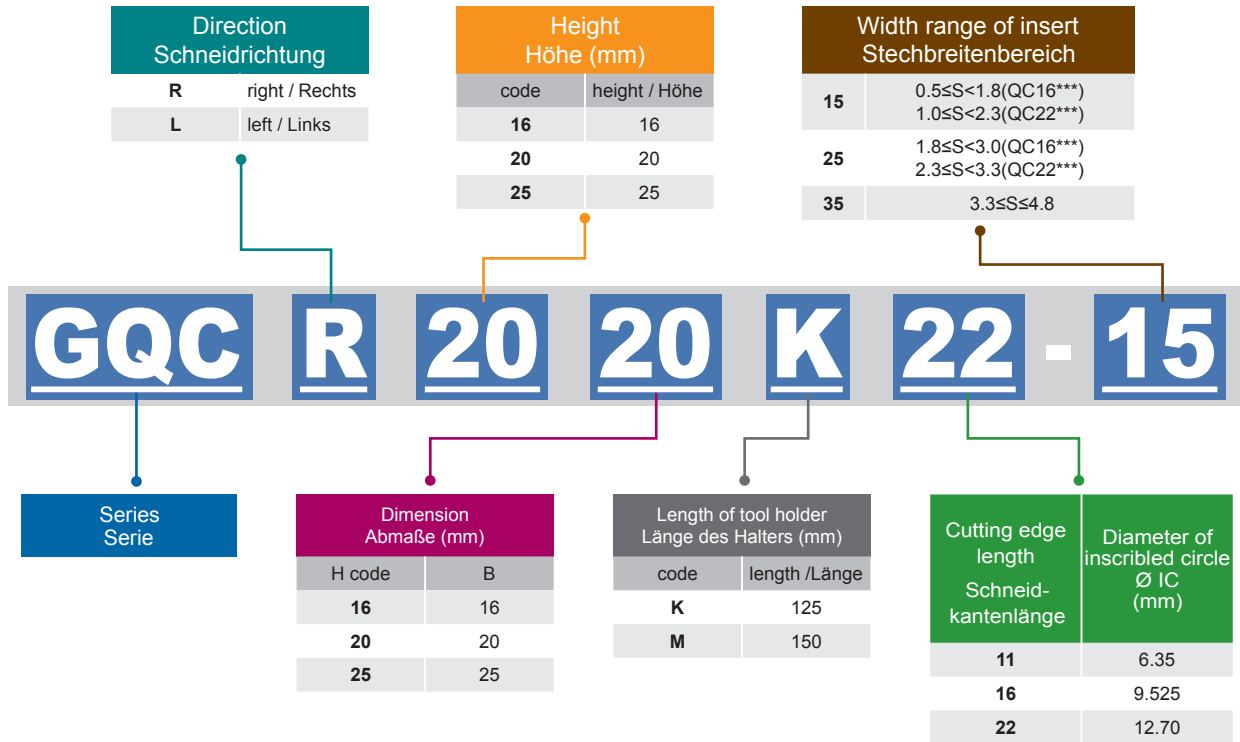
R type
Rechtsausführung

Type Typ	Stock Stock		Dimension (mm) Abmessung					Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
	R	L	ØD ₀	ød	S	L1	L2			
C40X-QLDR/L65-15A	○	○	160	40	21	320	65	ZRLD08-LH	GB70-85-M6×20	WH50L
C40X-QLDR/L80-15A	○	○	160	40	21	320	80	ZRLD08-LH		
C40X-QKDR/L60-15A	○	○	160	40	20	320	60	ZRKD06-LH		
C40X-QKDR/L75-15A	●	○	160	40	20	320	75	ZRKD06-LH		

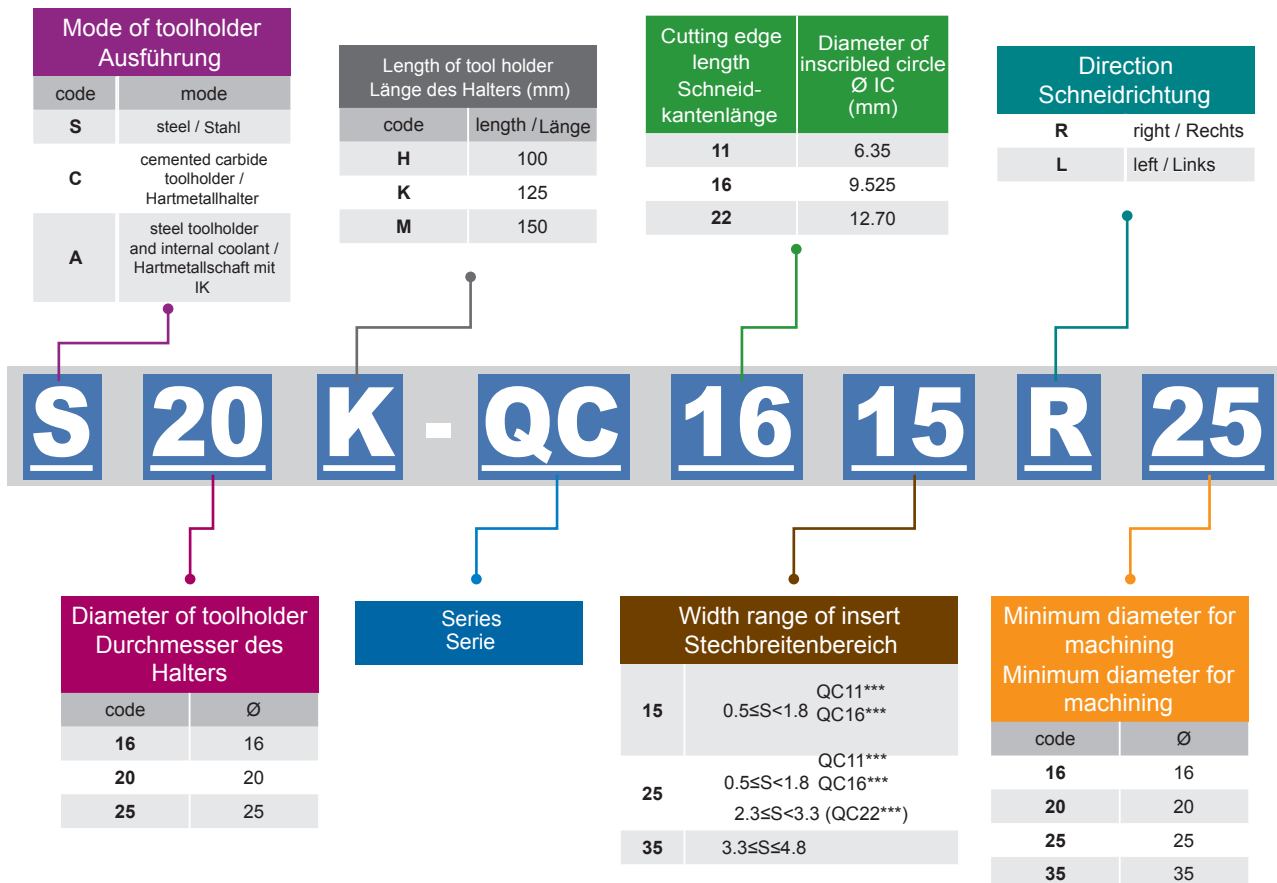
● ex stock · ab Lager ○ on demand · auf Anfrage

QC series tools holder code key / QC-Serie Kennzeichnung für Halter

- External grooving / External Ein- und Abstechen



- Internal grooving / Internal Ein- und Abstechen

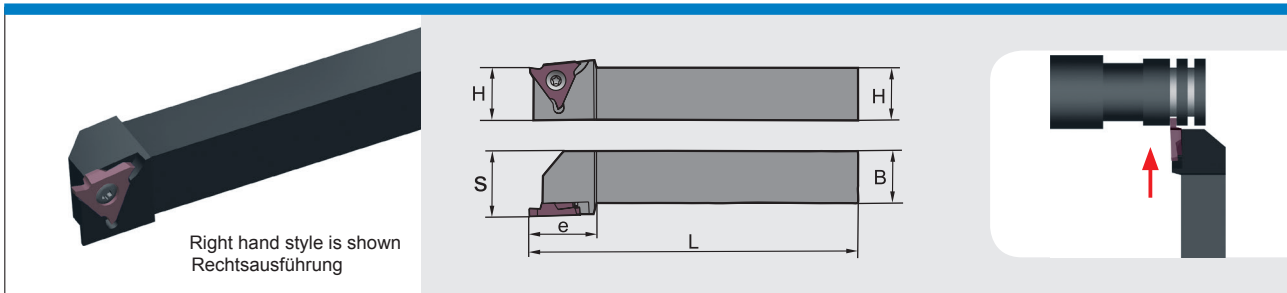


A

General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen

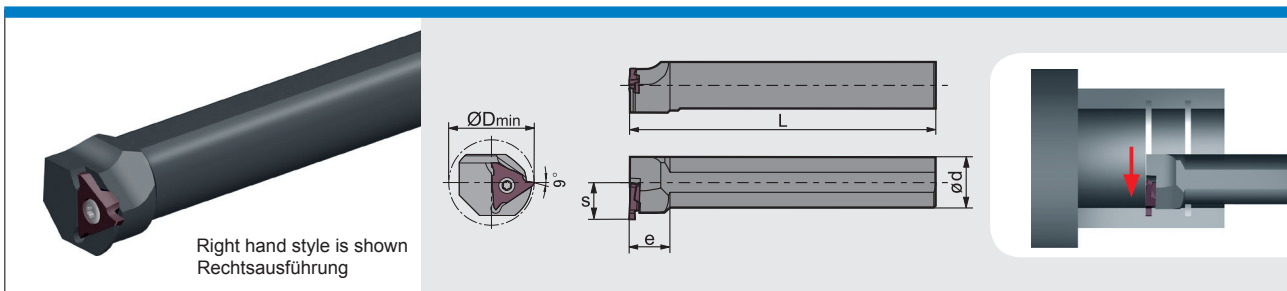
External grooving / External Ein- und Abstechen



Right hand style is shown
Rechtsausführung

Type Typ	Stock Lager		Dimension (mm) Abmessung					Width Breite (mm)	Inserts Stechplatte	Screw Schraube	Wrench Schlüssel
	R	L	H	B	S	e	L				
GQCR/L	●	●	16	16	21	25.5	125	0.5-1.80	QC16R/L 050~180	I60M3.5×10	WT15IP
	●	●	20	20	25		125				
	●	●	25	25	30		150				
	●	●	16	16	21		125				
	●	●	20	20	25		125				
	●	●	25	25	30		150				
	●	●	20	20	25		125	1.0-2.3	QC22R/L 100~230	I60M5×13	WT20IP
	●	●	25	25	30		150				
	●	●	20	20	25		125				
	●	●	25	25	30		150				
	●	●	20	20	25		125				
	●	●	25	25	30		150				
●	●	20	20	25	125	3.3-4.8	QC22R/L 330~480	I60M5×13	WT20IP		
●	●	25	25	30	150						

Internal grooving / Internal Ein- und Abstechen



Right hand style is shown
Rechtsausführung

Type Typ	Stock Lager		Dimension (mm) Abmessung					Width Breite (mm)	Inserts Stechplatte	Screw Schraube	Wrench Schlüssel
	R	L	ØDmin	ød	S	e	L				
S20K-QC1115R/L 16	●	●	16	20	11.1	40	125	0.5-1.80	QC11R/L 050~180	I60M2.5×6.5	WT07IP
S20K-QC1125R/L 16	○	○	16	20	11.1	40	125	1.8-3.0	QC11R/L 180~300		
S16H-QC1115R/L 20	●	●	20	16	11.5	12	100	0.5-1.80	QC11R/L 050~180		
S16H-QC1125R/L 20	●	●	20	16	11.5	12	100	1.8-3.0	QC11R/L 180~300		
S20M-QC1615R/L 25	○	●	25	20	12.5	15	150	0.5-1.80	QC16R/L 050~180		
S20M-QC1625R/L 25	●	●			12.5			1.8-3.0	QC16R/L 180~300		
S25M-QC2215R/L 35	●	●	35	25	18.2	20	150	1.0-2.3	QC22R/L 100~230	I60M5×13	WT20IP
S25M-QC2225R/L 35	●	●			18.2			2.3-3.3	QC22R/L 230~330		
S25M-QC2235R/L 35	○	○			18.2			3.3-4.8	QC22R/L 330~480		
S25M-QC2235R/L 35	○	○			18.2			3.3-4.8	QC22R/L 330~480		

● ex stock · ab Lager ○ on demand · auf Anfrage

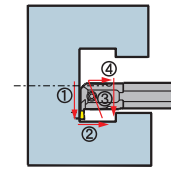
A

General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen

Internal grooving · Innenbearbeitung

- Follow the machining sequence as shown in the picture.
Good for chip flow, always feed along the direction of moving from the deepest in the hole to outside.
- Bearbeitungsfolge gemäß Skizze. Bei der Bearbeitung von Sackbohrungen, sollte zur besseren Spanabfuhr von innen nach außen gearbeitet werden.



A

General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen

Recommended cutting parameters · Empfohlene Schnittparameter

Inserts Size Stechplatte Größe		Recommended feed rate (mm/rev) Empfohlener Vorschub (mm/U)		
Inserts width(mm) Stechplatte Breite	Parting Abstechen	Grooving Einstechen	Turning Drehen	Profiling Profildrehen
2.5	0.05—0.15	0.05—0.15	0.05—0.15	0.05—0.15
3	0.05—0.15	0.05—0.15	0.07—0.15	0.1—0.2
4	0.05—0.2	0.05—0.2	0.07—0.25	0.1—0.2
5	0.07—0.2	0.07—0.22	0.1—0.25	0.15—0.3
6	0.1—0.3	0.07—0.25	0.1—0.3	0.15—0.3

Workpiece Material Werkstück Material		Hardness Härte	YBG302	YBG202	YBC151	YBC251	YD101	YD201	YBG102	YC10	YC40
P	Carbon steel Kohlenstoffstahl	125≤HB≤170	120-260	150-280	140-280	150-280				130-280	110-260
	Low alloy steel niedrig legierter Stahl	180≤HB≤275	80-175	110-200	100-240	110-200				90-200	70-175
	High alloy steel Hoch legierter Stahl	180≤HB≤325	80-160	110-190	100-220	110-190				90-190	70-160
	Cast steel Stahlguss	180≤HB≤250	75-140	100-170	80-160	100-170				80-170	60-140
M	Ferrite Martensite	200≤HB≤300	70-170	100-200		100-200				80-200	60-170
	Austenite Austenite	180≤HB≤300	80-200	110-220		110-220				90-220	70-200
K	Malleable cast iron Temperguss	130≤HB≤230	100-200	130-220				90-160			
	Grey cast iron Grauguss	180≤HB≤220	90-170	120-200				80-140			
	Nodular cast iron Nodular cast iron	160≤HB≤250	80-150	110-180				60-140			
N	Al alloy Alu-Legierung	--					200-400				
S	Heat resistant alloy hitzebeständigen Legierungen	≤400					20-50		30-60		

The cutting parameters recommended are suitable for wet machining.

Die angegebenen Schnittparameter werden für die Bearbeitung mit Kühlflüssigkeit empfohlen.

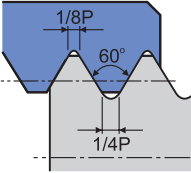
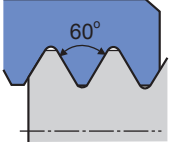
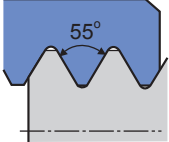



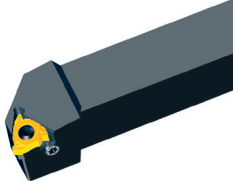
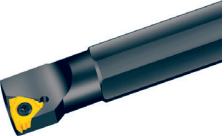
Advice: internal machining and Axial machining, The cutting speed should be reduced by 30%-40%.

Hinweis: Bei Innen- und Axialstechen, sollte die Schnittgeschwindigkeit um 30%-40% reduziert werden.

Turning - Drehen

Threading Tools · Gewindedreh Werkzeuge

Threading tools Overview · Klemmhalter zum Gewindedrehen Übersicht	A313-A318
Introduction of threading inserts grade and chipbreaker Sortenbeschreibung und Spanbrecher der Gewinde WSP	A319
Threading inserts · Gewindedrehplatten	A320-A342
Threading inserts code key · Gewindedrehplatten ISO Kennzeichen	A320
ISO metric thread ISO metrische Gewinde	A321-A322
General pitch thread "General pitch" Gewinde	A323
Whitworth thread "Whitworth" Gewinde	A324
Unified thread "Unified" Gewinde	A325
British standard taper piper thread "British standard" Gewinde	A326
American standard taper piper thread "American standard" Gewinde	A327
NPTF 60° thread NPTF 60° Gewinde	A328
30° conical thread 30° Kegeliges Whitworth Rohrgewinde	A329
MJ Metric thread for air space industry MJ Spitzgewinde Gewinde für Luftfahrtindustrie	A330
UNJ American standard thread for air space industry UNJ Amerikanisches Spitzgewinde für Luftfahrtindustrie	A330
ISO trapezoidal 30° thread ISO Trapez 30° Gewinde	A331
ACME American trapezoid 29° Amerikanisches Trapezgewinde 29°	A332
American ACME thread with short depth Amerikanisches ACME Gewinde, abgeflacht, mit verkürzter Gewindetiefe	A333
API 60° thread API 60° Gewinde	A334
API round thread API Rundgewinde	A335
API Sawtooth threads Amerikanisches Sägewinde	A336
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ISO metric thread ISO metrische Gewinde	A337
General pitch thread "General pitch" Gewinde	A338
Whitworth thread "Whitworth" Gewinde	A339
Unified thread "Unified" Gewinde	A340
British standard taper piper thread "British standard" Gewinde	A341
American standard taper piper thread "American standard" Gewinde	A342
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External threading tools · Gewindedrehwerkzeuge (Außen)	A344
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Application information of threading Anwendungsinformationen für das Gewindedrehen	A347-361

Applications Anwendungen		For general Allgemein			
Cutline Cutline					
Thread name Gewindebezeichnung		ISO metric thread Full profile Vollprofil	General pitch thread Partial profile Teilprofil	General pitch thread Partial profile Teilprofil	
Profile Profil		GM	60°	55°	
Shape of insert WSP Abmessung (length / Länge : 11, 16, 22mm)		Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.  A321-A322	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.  A323	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.  A323	
Toolholder Werkzeughalter	Pitch Steigung	Dimensions (mm) Dimensions (mm) (H×W×L) (Ø×Length×Min.Ø) (Ø×Länge×Min.Ø)	Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)
	External thread Außengewinde	 A344	16×16×100 20×20×125 25×25×150 32×25×170 32×32×170 40×40×250	0.5~6.0	0.5~5.0 (5~48)
Internal thread Innengewinde	 A345	16×125×12 16×150×16 16×150×20 20×150×25 20×180×25 25×150×32 32×200×40 32×250×40 40×300×50 50×350×63	0.5~6.0	0.5~5.0 (5~48)	0.5~5.0 (5~48)

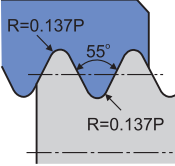
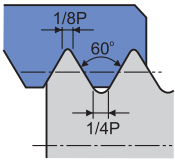
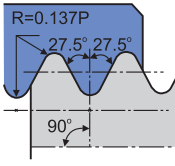
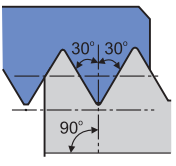
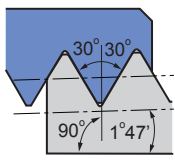





A

General Turning
Allgemeine Drehbearbeitung

Threading
Gewindedrehen

Turning · Drehen

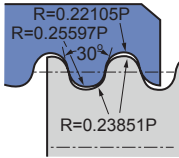
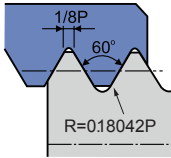
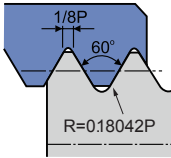
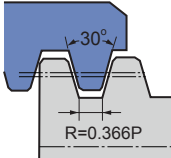




Threading tools Overview · Gewindedreh-Werkzeuge Übersicht

For general Allgemein	For aerospace and aviation industries Luft- & Raumfahrt	Pipe thread for heater, gas and water Rohrgewinde für: Dampf, Gas & Heizung	For connecting between pipe fitting and coupling of gas and water Für Gas & Wasser Fittings und Kupplungen	For connecting between pipe fitting and coupling of gas and water Für Gas & Wasser Fittings und Kupplungen
				
Whitworth thread Gewinde	Unified thread (American standard threads) UN 60°	British standard taper pipe threads BSPT Rohrgewinde	American standard taper pipe threads Amerikanisches Rohrgewinde	American pipe threads dry sealing Amerikanisches Rohrgewinde trocken dichtend
W	UN	BSPT	NPT	NPTF
Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.
 A324	 A325	 A326	 A327	 A328
Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)
8~16	8~20	11~28	8~27	8~27
8~16	8~20	11~28	8~27	8~27

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Applications Anwendungen		For food industry and fire apparatus Für Lebensmittel-industrie und Feuerwehr	For aerospace industry Für Luft- & Raumfahrt	For aerospace industry Für Luft- & Raumfahrt	Drive Screw Antriebsgewinde
Cutline Cutline					
Thread name Gewindebezeichnung		30° conical threads 30° Kegeliges Whitworth Rohrgewinde	Metric thread for air space industry Spitzgewinde für Luftfahrtindustrie	American standard thread for air industry Amerikanisches Spitzgewinde für Luftfahrtindustrie	ISO trapezoidal 30° thread ISO Trapez 30° Gewinde
Profile Profil		R	MJ	UNJ	Tr
Shape of insert WSP Abmessung (length / Länge: 11, 16, 22mm)		Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.  A329	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.  A330	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.  A330	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.  A331
Dimensions (mm) Dimensions (mm) (H×W×L) (Ø×Length×Min.Ø) (Ø×Länge×Min.Ø)		Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm	Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm
External thread Außengewinde	16×16×100 20×20×125 25×25×150 32×25×170 32×32×170 40×40×250	6~10	1.5~2.0	8~32	1.5~3.0
	16×125×12 16×150×16 16×150×20 20×150×25 20×180×25 25×150×32 32×200×40 32×250×40 40×300×50 50×350×63	6~10	---	---	1.5~3.0

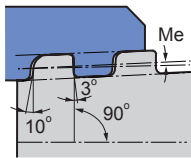

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Threading
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Threading tools Overview · Gewindedreh-Werkzeuge Übersicht

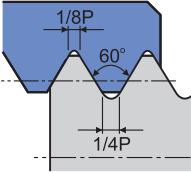
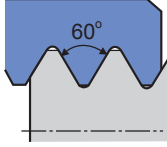
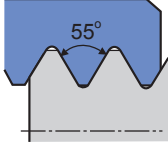
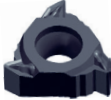
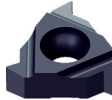
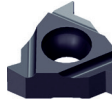
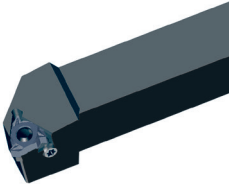

Drive Screw Antriebsgewinde		For connecting between pipe fitting and coupling of oil and gas Für Öl & Gas Fittings und Kupplungen		
				
ACME American trapezoidal 29° thread Amerikanisches Trapezgewinde 29°	american ACME thread with short depth Amerikanisches ACME Gewinde, abgeflacht, mit verkürzter Gewindetiefe	API 60° thread API 60° Gewinde	API round threads API Rundgewinde	API Sawtooth threads Amerikanisches Sägegewinde
AC	STAC	AP	RD	BUT
Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.
				
A332	A333	A334	A335	A336
Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)
8~16	8~16	4~5	8~10	5
8~16	8~16	4~5	8~10	5

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General Turning
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Threading
Gewindedrehen

Thin Type

Applications Anwendungen		For general Allgemein	For general Allgemein	For general Allgemein	
Cutline Cutline					
Thread name Gewindebezeichnung		ISO metric (full profile) ISO metrisch (voll profil)	Partial-Profile 60° Teil-Profil 60°	Partial-Profile 55° Teil-Profil 55°	
Profile / Profil		GM	60	55	
Shape of insert WSP Abmessung (length/ Länge: 16mm)		Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.  A337	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.  A338	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.  A338	
Toolholder Werkzeughalter	Pitch Steigung	Dimensions (mm) Dimensions (mm) (H×W×L) (Ø×Length×Min.Ø) (Ø×Länge×Min.Ø)	Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)
	External thread Außengewinde	 R A346	16×16×100 20×20×125 25×25×150 32×25×170 32×32×170	0.5~3.0	0.5~3.0(8~48)
Internal thread Innengewinde	 R A346	16×150×20 20×180×25 25×150×32 32×200×40 32×250×40	0.5~3.0	0.5~3.0(8~48)	0.5~3.0(8~48)

A

General Turning
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Threading
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Threading tools Overview · Gewindedreh-Werkzeuge Übersicht

Thin Type

For general Allgemein	For aerospace and aviation industries Luft- & Raumfahrt	Pipe thread for heater, gas and water Rohrgewinde für: Dampf, Gas & Heizung	For connecting between pipe fitting and coupling of gas and water Für Gas & Wasser Fittinge und Kupplungen
			
Whitworth Rohrgewinde	UN Unified Conventional Thread Gewindeform UN 60°amerikanisch	BSPT Britain Standard Taper Pipe Thread Rohrgewinde für Dampf-, Gas-, & Wasserleitungen	NPT American Standard Amerikanisches kegeliges Rohrgewinde
W	UN	BSPT	NPT
Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.	Illustration: external thread right hand. Illustration: Außengewinde in Rechtsausführung.
			
A349	A340	A341	A342
Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)	Pitch/mm Steigung/mm (pitch/Inch)
8~16	8~20	11~28	8~27
8~16	8~24	11~28	8~27

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Allgemeine Drehbearbeitung

Threading
Gewindedrehen

Threading inserts code key Kennzeichnung für Gewindeplatten


Thread profile Gewindeprofil	
GM	60 ISO metric threads Metrisch 60°
60	General pitch threads partial profile 60° Teilprofil 60°
55	General pitch threads partial profile 55° Teilprofil 55°
W	Whitworth threads Whitworth Rohrgewinde
UN	Unified Threads(American standard) UN 60°
BSPT	British standard taper pipe threads BSPT Rohrgewinde
NPT	American standard taper pipe threads Amerikanisches Rohrgewinde
NPTF	American pipe threads dry sealing Amerikanisches Rohrgewinde trocken dichtend
R	30° conical threads 30° Kegeliges Whitworth Rohrgewinde
MJ	Metric thread for air space industry Spitzgewinde für Luftfahrtindustrie
UNJ	American standard thread for air industry Amerikanisches Spitzgewinde für Luftfahrtindustrie
TR	ISO trapezoidal 30° thread ISO Trapez 30° Gewinde
AC	American trapezoidal 29° thread Amerikanisches Trapezgewinde 29°
STAC	American ACME thread with short depth Amerikanisches ACME Gewinde, abgeflacht, mit verkürzter Gewindetiefe
AP	API 60° thread API 60° Gewinde
RD	API round threads API Roundgewinde
BUT	API Sawtooth threads Amerikanisches Sägegewinde

Hand of tools Ausführung
R Right Hand / Rechts
L Left Hand / Links

Theoretical value of edge length of insert Plattenabmessungen
22 IC=6.35mm
16 IC=9.525mm
11 IC=12.7mm

Type of machining Bearbeitungsart
W External threading Außengewinde
N Internal threading Innengewinde

R T 22.01 W-3.50 GM (P) (B)

Insert shape Plattenform	
 T	others Andere Z

Number of teeth per cutting edge Anzahl Zähne pro Schneidkante
01 One tooth per cutting edge / 1 Zahn
02 Two teeth per cutting edge / 2 Zahn

Pitch code Steigung
Omni-tooth(Range of pitch indicated in numbers) Omni-tooth(Range of pitch indicated in numbers) mm TPI
0.35-9.0 72-2
V-tooth (Range of pitch indicated in letters) V-Profil (Steigungsbereich)
A 0.5-1.5 48-46
AG 0.5-3.0 48-8
G 1.75-3.0 14-8
N 3.5-5.0 7-5
Q 5.5-6.0 41/2-4

Chip breakers are indicated by P (P is omitted when it is metric thread except "thin type")
P wurde weggelassen bei metrischen Gewinde ausgenommen „thin type“

Thin Type
Dünne Ausführung
e.g.
Thin Type:
Dünne Ausführung:
RT16 S=3.5

Normal Type:
Normale Ausführung:
RT16 S=3.97

A

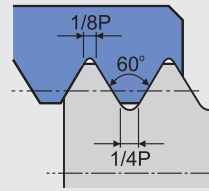
General Turning
Allgemeine Drehbearbeitung

Threading
Gewindedrehen

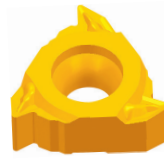
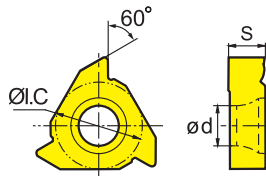
ISO metric thread insert (full profile)
Allgemeiner Einsatz (Vollprofil)

ISO 965-1980
GB·T 197-2003

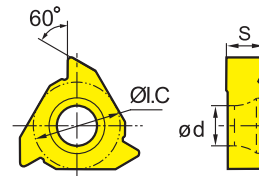
DIN 13
Tolerances: 6g·6H
Toleranz



R



L



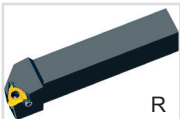
	Type Typ		Dimension (mm) Abmessung				Grade Sorte			
	Right hand Rechtsausführung	Left hand Linksausführung	Pitch · Steigung (T.P.i)	S	ØI.C	ød	YBG201		YBG205	
							R	L	R	L
External Außen	RT16.01W-1.00GM	LT16.01W-1.00GM	1.00	3.97	9.525	4.4	●	●	●	●
	RT16.01W-1.25GM	LT16.01W-1.25GM	1.25	3.97	9.525	4.4	●	●	●	●
	RT16.01W-1.50GM	LT16.01W-1.50GM	1.50	3.97	9.525	4.4	●	●	●	●
	RT16.01W-1.75GM	LT16.01W-1.75GM	1.75	3.97	9.525	4.4	●	●	●	●
	RT16.01W-2.00GM	LT16.01W-2.00GM	2.00	3.97	9.525	4.4	●	●	●	●
	RT16.01W-2.50GM	LT16.01W-2.50GM	2.50	3.97	9.525	4.4	●	●	●	●
	RT16.01W-3.00GM	LT16.01W-3.00GM	3.00	3.97	9.525	4.4	●	●	●	●
	RT22.01W-3.50GM	LT22.01W-3.50GM	3.50	5.56	12.7	5.5	●	●	●	●
	RT22.01W-4.00GM	LT22.01W-4.00GM	4.00	5.56	12.7	5.5	●	●	●	●
	RT22.01W-4.50GM	LT22.01W-4.50GM	4.50	5.56	12.7	5.5	●	○	○	○
	RT22.01W-5.00GM	LT22.01W-5.00GM	5.00	5.56	12.7	5.5	●	●	●	●
	RT22.01W-5.50GM	LT22.01W-5.50GM	5.50	5.56	12.7	5.5	●	○	○	○
RT22.01W-6.00GM	LT22.01W-6.00GM	6.00	5.56	12.7	5.5	●	●	●	●	

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Threading
Gewindedrehen

Tool holder / Klemmhalter



R



R

Page / Seite A344

A345

● ex stock · ab Lager ○ on demand · auf Anfrage

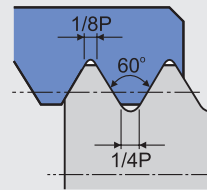
Turning · Drehen

Threading tools · Gewindedrehwerkzeuge

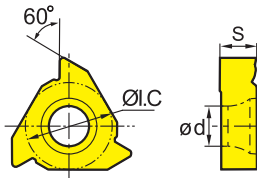
ISO metric thread insert (full profile)
Allgemeiner Einsatz (Vollprofil)

ISO 965-1980
GB·T 197-2003

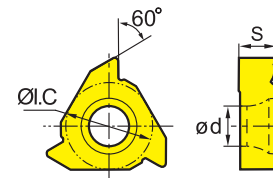
DIN 13
Tolerances: 6g·6H
Toleranz



R

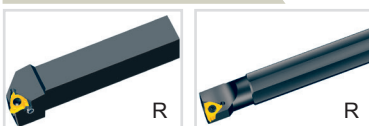


L



	Type Typ		Dimension (mm) Abmessung				Grade Sorte			
	Right hand Rechtsausführung	Left hand Linksausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201		YBG205	
							R	L	R	L
Internal Innen	RT11.01N-0.50GM	LT11.01N-0.50GM	0.50	3.18	6.35	2.8	○	○	●	●
	RT11.01N-0.75GM	LT11.01N-0.75GM	0.75	3.18	6.35	2.8	○	○	○	○
	RT11.01N-1.00GM	LT11.01N-1.00GM	1.00	3.18	6.35	2.8	●	●	●	●
	RT11.01N-1.25GM	LT11.01N-1.25GM	1.25	3.18	6.35	2.8	●	●	○	○
	RT11.01N-1.50GM	LT11.01N-1.50GM	1.50	3.18	6.35	2.8	●	●	●	●
	RT11.01N-1.75GM	LT11.01N-1.75GM	1.75	3.18	6.35	2.8	●	●	○	○
	RT11.01N-2.00GM	LT11.01N-2.00GM	2.00	3.18	6.35	2.8	●	●	●	●
	RT16.01N-0.50GM	LT16.01N-0.50GM	0.50	3.97	9.525	4.4	●	●	○	○
	RT16.01N-0.75GM	LT16.01N-0.75GM	0.75	3.97	9.525	4.4	●	●	○	○
	RT16.01N-1.00GM	LT16.01N-1.00GM	1.00	3.97	9.525	4.4	●	●	●	●
	RT16.01N-1.25GM	LT16.01N-1.25GM	1.25	3.97	9.525	4.4	●	●	○	○
	RT16.01N-1.50GM	LT16.01N-1.50GM	1.50	3.97	9.525	4.4	●	●	●	●
	RT16.01N-1.75GM	LT16.01N-1.75GM	1.75	3.97	9.525	4.4	●	●	○	○
	RT16.01N-2.00GM	LT16.01N-2.00GM	2.00	3.97	9.525	4.4	●	●	●	●
	RT16.01N-2.50GM	LT16.01N-2.50GM	2.5	3.97	9.525	4.4	●	●	○	○
	RT16.01N-3.00GM	LT16.01N-3.00GM	3.00	3.97	9.525	4.4	●	●	●	●
	RT22.01N-3.50GM	LT22.01N-3.50GM	3.50	5.56	12.7	5.5	●	●	○	○
	RT22.01N-4.00GM	LT22.01N-4.00GM	4.00	5.56	12.7	5.5	●	●	●	●
	RT22.01N-4.50GM	LT22.01N-4.50GM	4.50	5.56	12.7	5.5	●	●	○	○
	RT22.01N-5.00GM	LT22.01N-5.00GM	5.00	5.56	12.7	5.5	●	●	●	●
RT22.01N-5.50GM	LT22.01N-5.50GM	5.50	5.56	12.7	5.5	●	○	○	○	
RT22.01N-6.00GM	LT22.01N-6.00GM	6.00	5.56	12.7	5.5	●	●	●	●	

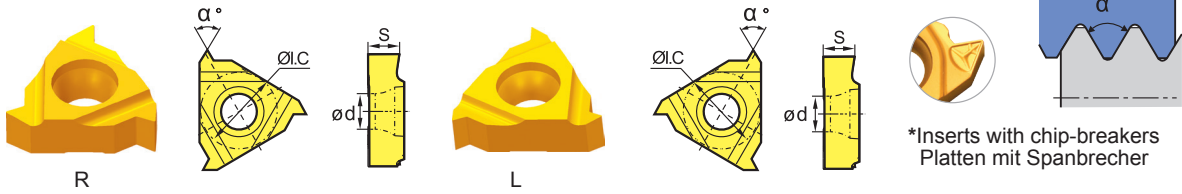
Tool holder / Klemmhalter



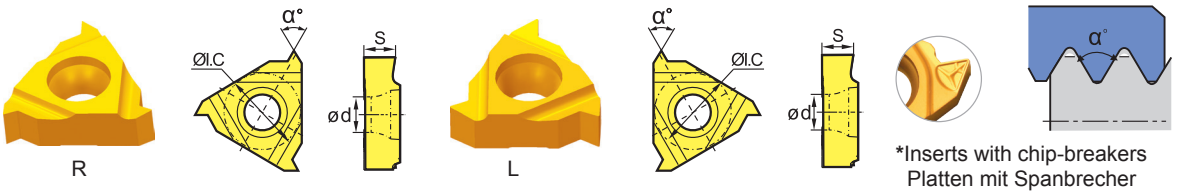
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● ex stock · ab Lager ○ on demand · auf Anfrage

General pitch thread insert (partial profile)
Allgemeiner Einsatz (Teilprofil)

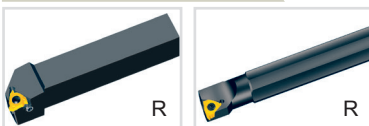


	Type Typ	Dimension (mm) Abmessung						Grade Sorte				
		Right hand Rechtsausführung	Left hand Linksausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	α°	YBG201		YBG205	
									R	L	R	L
External Außen	60°	RT16.01W-A60	LT16.01W-A60	0.5-1.5(48-16)	3.97	9.525	4.4	60°	●	●	○	○
		RT16.01W-G60	LT16.01W-G60	1.75-3.0(14-8)	3.97	9.525	4.4	60°	●	●	○	○
		RT16.01W-G60P*	LT16.01W-G60P*	1.75-3.0(14-8)	3.97	9.525	4.4	60°	○	●	○	○
		RT16.01W-AG60	LT16.01W-AG60	0.5-3.0(48-8)	3.97	9.525	4.4	60°	●	●	○	○
		RT22.01W-N60	-	3.5-5.0(7-5)	5.56	12.7	5.5	60°	●	-	○	○
		RT22.01W-N60P*	LT22.01W-N60P*	3.5-5.0(7-5)	5.56	12.7	5.5	60°	●	○	○	○
55°	RT16.01W-A55	LT16.01W-A55	0.5-1.5(48-16)	3.97	9.525	4.4	55°	○	●	○	○	
		RT16.01W-G55	LT16.01W-G55	1.75-3.0(14-8)	3.97	9.525	4.4	55°	●	●	○	○
		RT16.01W-G55P*	LT16.01W-G55P*	1.75-3.0(14-8)	3.97	9.525	4.4	55°	●	●	○	○
		RT16.01W-AG55	LT16.01W-AG55	0.5-3.0(48-8)	3.97	9.525	4.4	55°	●	○	○	○
		-	LT22.01W-N55	3.5-5.0(7-5)	5.56	12.7	5.5	55°	-	○	○	○
		RT22.01W-N55P*	-	3.5-5.0(7-5)	5.56	12.7	5.5	55°	●	-	○	○



	Type Typ	Dimension (mm) Abmessung						Grade Sorte				
		Right hand Rechtsausführung	Left hand Linksausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	α°	YBG201		YBG205	
									R	L	R	L
Internal Innen	60°	RT16.01N-A60	LT16.01N-A60	0.5-1.5 (48-16)	3.97	9.525	4.4	60°	●	●	○	○
		RT16.01N-G60	LT16.01N-G60	1.75-3.0	3.97	9.525	4.4	60°	●	○	○	○
		RT16.01N-G60P*	LT16.01N-G60P*	1.75-3.0	3.97	9.525	4.4	60°	○	○	○	○
		RT16.01N-AG60	LT16.01N-AG60	0.5-3.0 (48-8)	3.97	9.525	4.4	60°	●	●	○	○
		RT22.01N-N60	LT22.01N-N60	3.5-5.0 (7-5)	5.56	12.7	5.5	60°	○	○	○	○
		RT22.01N-N60P*	-	3.5-5.0 (7-5)	5.56	12.7	5.5	60°	○	-	○	○
55°	RT16.01N-A55	LT16.01N-A55	0.5-1.5(48-16)	3.97	9.525	4.4	55°	○	○	○	○	
		RT16.01N-G55	LT16.01N-G55	1.75-3.0(14-8)	3.97	9.525	4.4	55°	●	○	○	○
		RT16.01N-G55P*	LT16.01N-G55P*	1.75-3.0(14-8)	3.97	9.525	4.4	55°	●	●	○	○
		RT16.01N-AG55	LT16.01N-AG55	0.5-3.0(48-8)	3.97	9.525	4.4	55°	●	●	○	○
		RT22.01N-N55	LT22.01N-N55	3.5-5.0(7-5)	5.56	12.7	5.5	55°	○	○	○	○
		RT22.01N-N55P*	-	3.5-5.0(7-5)	5.56	12.7	5.5	55°	○	-	○	○

Tool holder / Klemmhalter



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● ex stock · ab Lager ○ on demand · auf Anfrage

A

General Turning
Allgemeine Drehbearbeitung

Threading
Gewindedrehen

Turning · Drehen

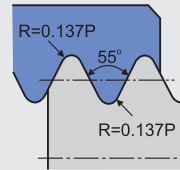
Threading tools · Gewindedrehwerkzeuge

Whitworth thread insert
Whitworth Rohrgewinde

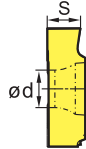
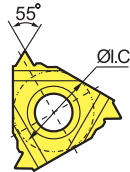
ISO 228·1:1982, DIN 259, B.S.84:1956

Tolerance: Medium class A

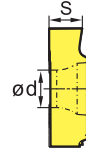
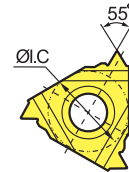
Toleranz: Medium Klasse A



R



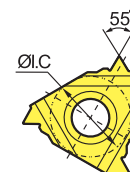
L



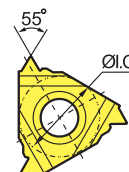
	Type Typ		Dimension (mm) Abmessung				Grade Sorte			
	Right hand Rechtsausführung	Left hand Linksausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201		YBG205	
							R	L	R	L
External Außen	RT16.01W-8W	LT16.01W-8W	8	3.97	9.525	4.4	●	●	○	○
	RT16.01W-9W	LT16.01W-9W	9	3.97	9.525	4.4	●	●	○	○
	RT16.01W-10W	LT16.01W-10W	10	3.97	9.525	4.4	●	●	○	○
	RT16.01W-11W	LT16.01W-11W	11	3.97	9.525	4.4	●	●	●	○
	RT16.01W-12W	LT16.01W-12W	12	3.97	9.525	4.4	●	●	○	○
	RT16.01W-14W	LT16.01W-14W	14	3.97	9.525	4.4	●	●	●	○
	RT16.01W-16W	LT16.01W-16W	16	3.97	9.525	4.4	●	●	○	○



R

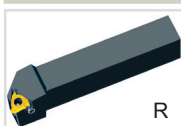


L



	Type Typ		Dimension (mm) Abmessung				Grade Sorte			
	Right hand Rechtsausführung	Left hand Linksausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201		YBG205	
							R	L	R	L
Internal Innen	RT16.01N-8W	LT16.01N-8W	8	3.97	9.525	4.4	●	●	○	○
	RT16.01N-9W	LT16.01N-9W	9	3.97	9.525	4.4	●	●	○	○
	RT16.01N-10W	LT16.01N-10W	10	3.97	9.525	4.4	●	●	○	○
	RT16.01N-11W	LT16.01N-11W	11	3.97	9.525	4.4	●	●	●	○
	RT16.01N-12W	LT16.01N-12W	12	3.97	9.525	4.4	●	●	○	○
	RT16.01N-14W	LT16.01N-14W	14	3.97	9.525	4.4	●	●	●	○
	RT16.01N-16W	LT16.01N-16W	16	3.97	9.525	4.4	●	●	○	○

Tool holder / Klemmhalter



R



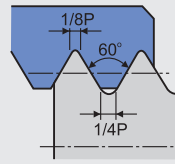
R

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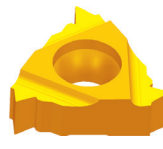
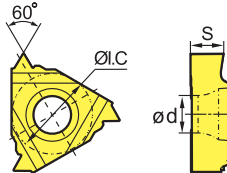
● ex stock · ab Lager ○ on demand · auf Anfrage

UN full profile
UN Vollprofil

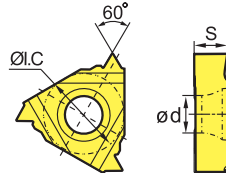
ASME B1.1-1989
Tolerances: 2A·2B
Toleranz



R



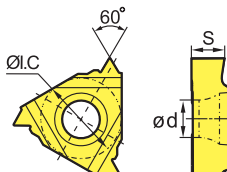
L



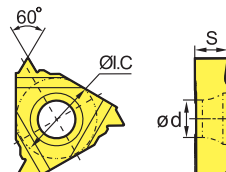
	Type Typ		Dimension (mm) Abmessung				Grade Sorte			
	Right hand Rechtsausführung	Left hand Linksausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201		YBG205	
							R	L	R	L
External Außen	RT16.01W-8UN	LT16.01W-8UN	8	3.97	9.525	4.4	●	○	○	○
	RT16.01W-10UN	LT16.01W-10UN	10	3.97	9.525	4.4	●	●	○	○
	RT16.01W-12UN	LT16.01W-12UN	12	3.97	9.525	4.4	●	●	○	○
	RT16.01W-14UN	LT16.01W-14UN	14	3.97	9.525	4.4	●	●	○	○
	RT16.01W-16UN	LT16.01W-16UN	16	3.97	9.525	4.4	○	●	○	○
	RT16.01W-18UN	LT16.01W-18UN	18	3.97	9.525	4.4	●	●	○	○
	RT16.01W-20UN	LT16.01W-20UN	20	3.97	9.525	4.4	●	●	○	○



R

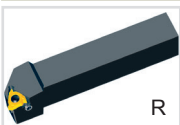


L



	Type Typ		Dimension (mm) Abmessung				Grade Sorte			
	Right hand Rechtsausführung	Left hand Linksausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201		YBG205	
							R	L	R	L
Internal Innen	RT16.01N-8UN	LT16.01N-8UN	8	3.97	9.525	4.4	●	○	○	○
	RT16.01N-10UN	LT16.01N-10UN	10	3.97	9.525	4.4	●	●	○	○
	RT16.01N-12UN	LT16.01N-12UN	12	3.97	9.525	4.4	●	●	○	○
	RT16.01N-14UN	LT16.01N-14UN	14	3.97	9.525	4.4	●	●	○	○
	RT16.01N-16UN	LT16.01N-16UN	16	3.97	9.525	4.4	●	●	○	○
	RT16.01N-18UN	LT16.01N-18UN	18	3.97	9.525	4.4	●	●	○	○
	RT16.01N-20UN	LT16.01N-20UN	20	3.97	9.525	4.4	●	●	○	○
	RT16.01N-24UN	LT16.01N-24UN	24	3.97	9.525	4.4	●	●	○	○

Tool holder / Klemmhalter



R



R

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● ex stock · ab Lager ○ on demand · auf Anfrage

A

General Turning
Allgemeine Drehbearbeitung

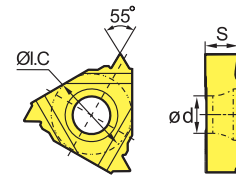
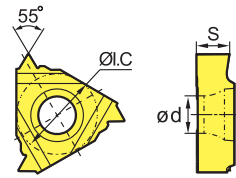
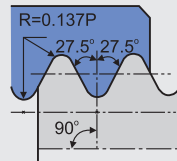
Threading
Gewindedrehen

Turning · Drehen

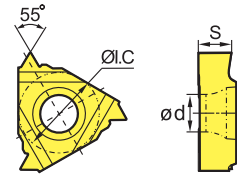
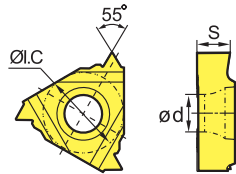
Threading tools · Gewindedrehwerkzeuge

British standard taper pipe thread insert
Rohrgewinde für Dampf-, Gas- und Wasserleitungen

ISO 7-1:1994 B.S.21:1985
Standard BSPT
Standard BSPT

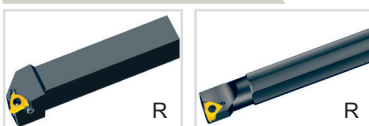


	Type Typ		Dimension (mm) Abmessung				Grade Sorte			
	Right hand Rechtsausführung	Left hand Linksausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201		YBG205	
							R	L	R	L
External Außen	RT16.01W-11 BSPT	LT16.01W-11 BSPT	11	3.97	9.525	4.4	●	●	○	○
	RT16.01W-14 BSPT	LT16.01W-14 BSPT	14	3.97	9.525	4.4	●	●	○	○
	RT16.01W-19 BSPT	LT16.01W-19 BSPT	19	3.97	9.525	4.4	●	●	○	○
	RT16.01W-28 BSPT	LT16.01W-28 BSPT	28	3.97	9.525	4.4	●	●	○	○



	Type Typ		Dimension (mm) Abmessung				Grade Sorte			
	Right hand Rechtsausführung	Left hand Linksausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201		YBG205	
							R	L	R	L
Internal Innen	RT16.01N-11 BSPT	LT16.01N-11 BSPT	11	3.97	9.525	4.4	○	●	○	○
	RT16.01N-14 BSPT	LT16.01N-14 BSPT	14	3.97	9.525	4.4	○	●	○	○
	RT16.01N-19 BSPT	LT16.01N-19 BSPT	19	3.97	9.525	4.4	○	●	○	○
	RT16.01N-28 BSPT	LT16.01N-28 BSPT	28	3.97	9.525	4.4	●	●	○	○

Tool holder / Klemmhalter

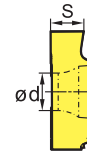
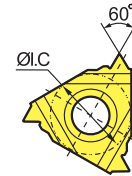
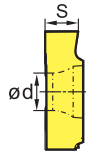
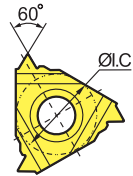
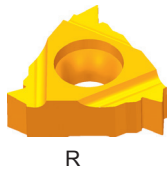
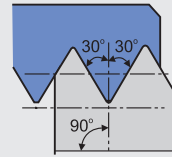


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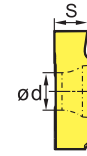
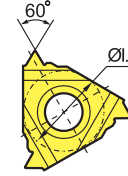
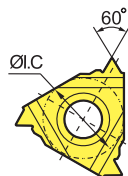
● ex stock · ab Lager ○ on demand · auf Anfrage

NPT American standard taper pipe with a shoulder
Amerikanisches kegeliges Rohrgewinde

ASME B1.20.1-1983
Standard NPT
Standard NPT

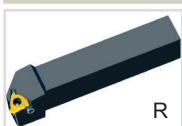


	Type Typ		Dimension (mm) Abmessung				Grade Sorte			
	Right hand Rechtsausführung	Left hand Linksausführung	Pitch Steigung (T.P.i)	S	ØI.C	Ød	YBG201		YBG205	
							R	L	R	L
External Außen	RT16.01W-8 NPT	LT16.01W-8NPT	8	3.97	9.525	4.4	○	○	○	○
	RT16.01W-11.5 NPT	LT16.01W-11.5NPT	11.5	3.97	9.525	4.4	○	○	○	○
	RT16.01W-14 NPT	LT16.01W-14NPT	14	3.97	9.525	4.4	●	○	○	○
	RT16.01W-18 NPT	LT16.01W-18NPT	18	3.97	9.525	4.4	●	○	○	○
	RT16.01W-27 NPT	LT16.01W-27NPT	27	3.97	9.525	4.4	●	○	○	○



	Type Typ		Dimension (mm) Abmessung				Grade Sorte			
	Right hand Rechtsausführung	Left hand Linksausführung	Pitch Steigung (T.P.i)	S	ØI.C	Ød	YBG201		YBG205	
							R	L	R	L
Internal Innen	RT16.01N-8 NPT	LT16.01N-8 NPT	8	3.97	9.525	4.4	○	○	○	○
	RT16.01N-11.5 NPT	LT16.01N-11.5 NPT	11.5	3.97	9.525	4.4	○	○	○	○
	RT16.01N-14 NPT	LT16.01N-14 NPT	14	3.97	9.525	4.4	○	○	○	○
	RT16.01N-18 NPT	LT16.01N-18 NPT	18	3.97	9.525	4.4	○	○	○	○
	RT16.01N-27 NPT	LT16.01N-27 NPT	27	3.97	9.525	4.4	○	○	○	○

Tool holder / Klemmhalter



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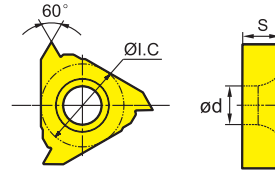
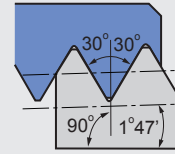
● ex stock · ab Lager ○ on demand · auf Anfrage

Turning · Drehen

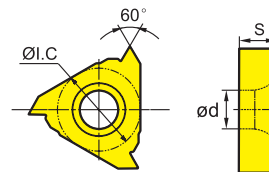
Threading tools · Gewindedrehwerkzeuge

NPTF60°

ANSI B1.20.1-1983
Tolerance: 2
Toleranz

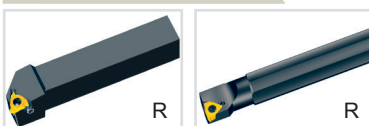


	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
External Außen	RT16.01W-8NPTF	8	3.97	9.525	4.4	○	○
	RT16.01W-11.5NPTF	11.5	3.97	9.525	4.4	○	○
	RT16.01W-14NPTF	14	3.97	9.525	4.4	○	○
	RT16.01W-18NPTF	18	3.97	9.525	4.4	○	○
	RT16.01W-27NPTF	27	3.97	9.525	4.4	○	○



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
External Außen	RT16.01N-8NPTF	8	3.97	9.525	4.4	○	○
	RT16.01N-11.5NPTF	11.5	3.97	9.525	4.4	○	○
	RT16.01N-14NPTF	14	3.97	9.525	4.4	○	○
	RT16.01N-18NPTF	18	3.97	9.525	4.4	○	○
	RT16.01N-27NPTF	27	3.97	9.525	4.4	○	○

Tool holder / Klemmhalter



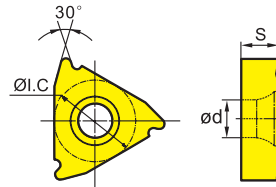
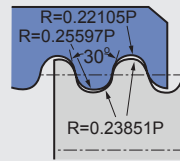
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● ex stock · ab Lager ○ on demand · auf Anfrage

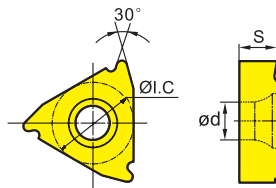
Round screw 30°
Round screw 30°

DIN 405
Tolerance: 7
Toleranz



R

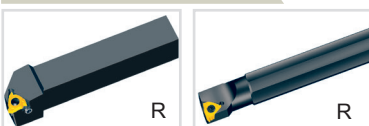
	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
External Außen	RT16.01W-6R	6	3.97	9.525	4.4	○	○
	RT16.01W-8R	8	3.97	9.525	4.4	○	○
	RT16.01W-10R	10	3.97	9.525	4.4	○	○



R

	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
Internal Innen	RT16.01N-6R	6	3.97	9.525	4.4	○	○
	RT16.01N-8R	8	3.97	9.525	4.4	○	○
	RT16.01N-10R	10	3.97	9.525	4.4	○	○

Tool holder / Klemmhalter



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● ex stock · ab Lager ○ on demand · auf Anfrage

A

General Turning
Allgemeine Drehbearbeitung

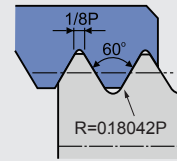
Threading
Gewindedrehen

Turning · Drehen

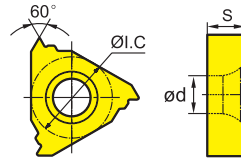
Threading tools · Gewindedrehwerkzeuge

MJ (Metric)
MJ (Spitzgewinde)

ISO 5855-1999
Tolerance: 4
Toleranz



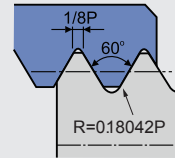
R



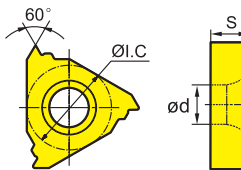
	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
External Außen	RT16.01W-1.50MJ	1.50	3.97	9.525	4.4	○	○
	RT16.01W-2.00MJ	2.00	3.97	9.525	4.4	○	○

UNJ (American)
UNJ (American)

ISO 3161-1999
Tolerance: 3A
Toleranz

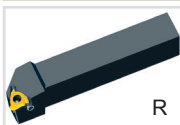


R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
External Außen	RT16.01W-8UNJ	8	3.97	9.525	4.4	○	○
	RT16.01W-10UNJ	10	3.97	9.525	4.4	○	○
	RT16.01W-12UNJ	12	3.97	9.525	4.4	○	○
	RT16.01W-14UNJ	14	3.97	9.525	4.4	○	○
	RT16.01W-16UNJ	16	3.97	9.525	4.4	○	○
	RT16.01W-18UNJ	18	3.97	9.525	4.4	○	○
	RT16.01W-20UNJ	20	3.97	9.525	4.4	○	○
	RT16.01W-24UNJ	24	3.97	9.525	4.4	○	○
	RT16.01W-28UNJ	28	3.97	9.525	4.4	○	○
RT16.01W-32UNJ	32	3.97	9.525	4.4	○	○	

Tool holder / Klemmhalter



R



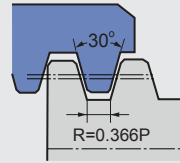
R

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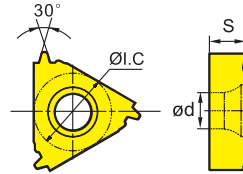
● ex stock · ab Lager ○ on demand · auf Anfrage

Tr (ISO trapezoid thread 30°)
Tr (ISO Trapez 30° Gewinde)

ISO 2901-2904
Tolerance: 7
Toleranz



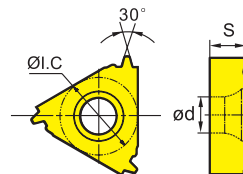
R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
External Außen	RT16.01W-1.50TR	1.50	3.97	9.525	4.4	○	●
	RT16.01W-2.00TR	2.00	3.97	9.525	4.4	○	●
	RT16.01W-3.00TR	3.00	3.97	9.525	4.4	○	●

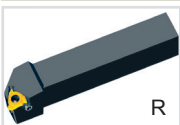


R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
Internal Innen	RT16.01N-1.50TR	1.50	3.97	9.525	4.4	○	○
	RT16.01N-2.00TR	2.00	3.97	9.525	4.4	○	○
	RT16.01N-3.00TR	3.00	3.97	9.525	4.4	○	○

Tool holder / Klemmhalter



R



R

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● ex stock · ab Lager ○ on demand · auf Anfrage

A

General Turning
Allgemeine Drehbearbeitung

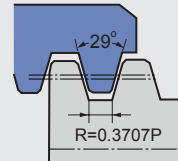
Threading
Gewindedrehen

Turning · Drehen

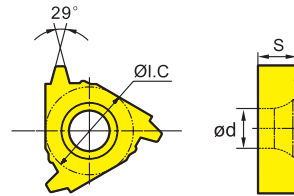
Threading tools · Gewindedrehwerkzeuge

ACME American standard trapezoid 29°
ACME Amerikanisches Trapezgewinde 29°

ANSI B1.5-1988 ANSI B1.5-1988
Tolerance: 2G
Toleranz



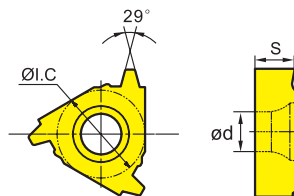
R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
External Außen	RT16.01W-8AC	8	3.97	9.525	4.4	○	○
	RT16.01W-10AC	10	3.97	9.525	4.4	○	○
	RT16.01W-12AC	12	3.97	9.525	4.4	○	○
	RT16.01W-14AC	14	3.97	9.525	4.4	○	○
	RT16.01W-16AC	16	3.97	9.525	4.4	○	○

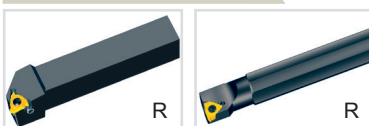


R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
Internal Innen	RT16.01N-8AC	8	3.97	9.525	4.4	○	○
	RT16.01N-10AC	10	3.97	9.525	4.4	○	○
	RT16.01N-12AC	12	3.97	9.525	4.4	○	○
	RT16.01N-14AC	14	3.97	9.525	4.4	○	○
	RT16.01N-16AC	16	3.97	9.525	4.4	○	○

Tool holder / Klemmhalter

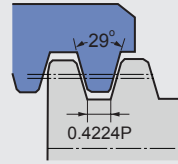


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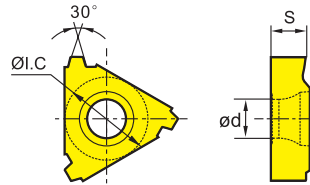
● ex stock · ab Lager ○ on demand · auf Anfrage

STUB - ACME Short teeth
STUB - ACME Verkürzter Gewindetiefe

ANSI B1.8-1988
Tolerance: 2G
Toleranz



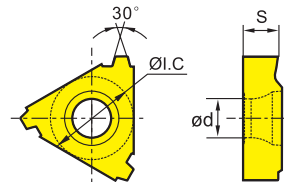
R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
External Außen	RT16.01W-8STAC	8	3.97	9.525	4.4	○	○
	RT16.01W-10STAC	10	3.97	9.525	4.4	○	○
	RT16.01W-12STAC	12	3.97	9.525	4.4	○	○
	RT16.01W-14STAC	14	3.97	9.525	4.4	○	○
	RT16.01W-16STAC	16	3.97	9.525	4.4	○	○

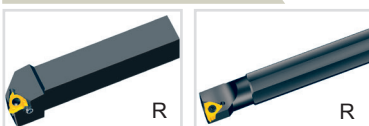


R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
Internal Innen	RT16.01N-8STAC	8	3.97	9.525	4.4	○	○
	RT16.01N-10STAC	10	3.97	9.525	4.4	○	○
	RT16.01N-12STAC	12	3.97	9.525	4.4	○	○
	RT16.01N-14STAC	14	3.97	9.525	4.4	○	○
	RT16.01N-16STAC	16	3.97	9.525	4.4	○	○

Tool holder / Klemmhalter



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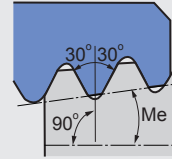
● ex stock · ab Lager ○ on demand · auf Anfrage

Turning · Drehen

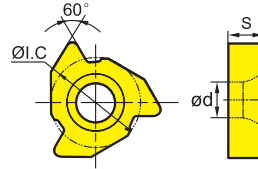
Threading tools · Gewindedrehwerkzeuge

API 60°

Me=taper, 2i.p.f.—4°46', 3i.p.f.—7°01'
 API SPEC7:1990, Tolerance: API standard
 Toleranz: API standard



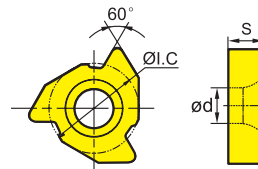
R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
External Außen	RT22.01W-4AP382	4	5.56	12.7	5.5	○	○
	RT22.01W-4AP383	4	5.56	12.7	5.5	○	○
	RT22.01W-5AP403	5	5.56	12.7	5.5	○	○
	RT22.01W-4AP502	4	5.56	12.7	5.5	○	○
	RT22.01W-4AP503	4	5.56	12.7	5.5	○	○

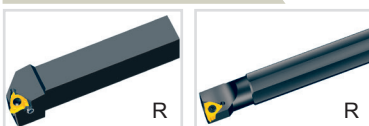


R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
Internal Innen	RT22.01N-4AP382	4	5.56	12.7	5.5	○	○
	RT22.01N-4AP383	4	5.56	12.7	5.5	○	○
	RT22.01N-5AP403	5	5.56	12.7	5.5	○	○
	RT22.01N-4AP502	4	5.56	12.7	5.5	○	○
	RT22.01N-4AP503	4	5.56	12.7	5.5	○	○

Tool holder / Klemmhalter

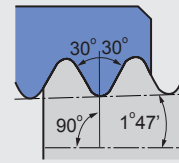


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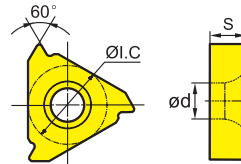
● ex stock · ab Lager ○ on demand · auf Anfrage

API (round)
API (Ruund)

API spec.5B
Tolerance: API RD
Toleranz



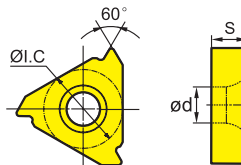
R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
External Außen	RT16.01W-8RD	8	3.97	9.525	4.4	○	○
	RT16.01W-10RD	10	3.97	9.525	4.4	○	○
	RT22.01W-8RD	8	5.56	12.7	5.5	○	○
	RT22.01W-10RD	10	5.56	12.7	5.5	○	○

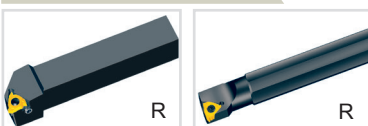


R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
Internal Innen	RT16.01N-8RD	8	3.97	9.525	4.4	○	○
	RT16.01N-10RD	10	3.97	9.525	4.4	○	○
	RT22.01N-8RD	8	5.56	12.7	5.5	○	○
	RT22.01N-10RD	10	5.56	12.7	5.5	○	○

Tool holder / Klemmhalter



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● ex stock · ab Lager ○ on demand · auf Anfrage

A

General Turning
Allgemeine Drehbearbeitung

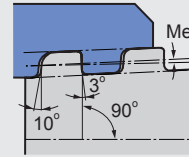
Threading
Gewindedrehen

Turning · Drehen

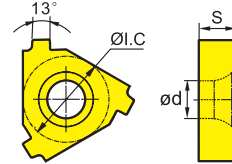
Threading tools · Gewindedrehwerkzeuge

API (inclined trapezoid screw)
API (Amerikanisches Sägegewinde)

Me=taper 3/4i.p.f.—1°47'for Ø 4 1/2~13 3/8"
1i.p.f.—2°23'for Ø 16"
SEPC.5B.1979
Tolerance: API standard
Toleranz: API standard



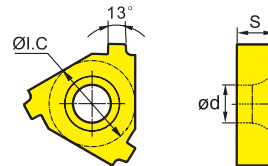
R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
External Außen	RT22.01W-5BUT	5	5.56	12.7	5.5	○	○
	RT22.01W-5BUT1	5	5.56	12.7	5.5	○	○

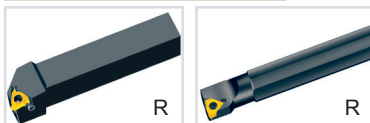


R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG201	YBG205
Internal Innen	RT22.01N-5BUT	5	5.56	12.7	5.5	○	○
	RT22.01N-5BUT1	5	5.56	12.7	5.5	○	○

Tool holder / Klemmhalter

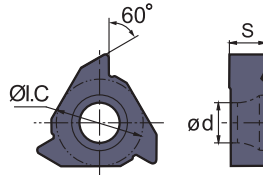
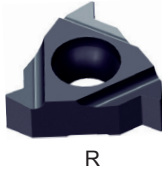
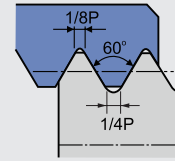


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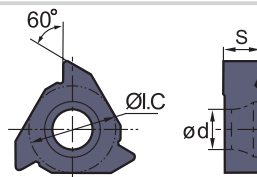
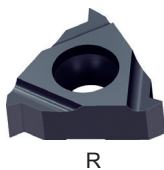
ISO metric thread insert (full profile)
Allgemeiner Einsatz (Vollprofil) **Thin Type**

ISO 965-1980, DIN 13, GB/T 197-2003
Tolerances: 6g/6H
Toleranz



*Inserts with chip-breakers
Platten mit Spanbrecher

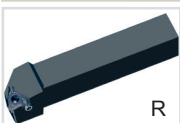
	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG202	YBG205
External Außen	RT16.01W-0.50GMB	0.50	3.52	9.525	4.0	●	○
	RT16.01W-0.75GMB	0.75	3.52	9.525	4.0	●	○
	RT16.01W-1.00GMB	1.00	3.52	9.525	4.0	●	○
	RT16.01W-1.25GMB	1.25	3.52	9.525	4.0	●	○
	RT16.01W-1.50GMB	1.50	3.52	9.525	4.0	●	○
	RT16.01W-1.50GMPB*	1.50	3.52	9.525	4.0	○	●
	RT16.01W-1.75GMB	1.75	3.52	9.525	4.0	●	○
	RT16.01W-2.00GMB	2.00	3.52	9.525	4.0	●	○
	RT16.01W-2.50GMB	2.50	3.52	9.525	4.0	●	○
	RT16.01W-3.00GMB	3.00	3.52	9.525	4.0	●	○



*Inserts with chip-breakers
Platten mit Spanbrecher

	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG202	YBG205
Internal Innen	RT16.01N-0.50GMB	0.50	3.52	9.525	4.0	●	○
	RT16.01N-0.75GMB	0.75	3.52	9.525	4.0	●	○
	RT16.01N-1.00GMB	1.00	3.52	9.525	4.0	●	○
	RT16.01N-1.00GMPB*	1.00	3.52	9.525	4.0	○	●
	RT16.01N-1.25GMB	1.25	3.52	9.525	4.0	●	○
	RT16.01N-1.50GMB	1.50	3.52	9.525	4.0	●	○
	RT16.01N-1.75GMB	1.75	3.52	9.525	4.0	●	○
	RT16.01N-2.00GMB	2.00	3.52	9.525	4.0	●	○
	RT16.01N-2.00GMPB*	2.00	3.52	9.525	4.0	●	●
	RT16.01N-2.50GMB	2.50	3.52	9.525	4.0	●	○
	RT16.01N-3.00GMB	3.00	3.52	9.525	4.0	●	○
	RT16.01N-3.00GMPB*	3.00	3.52	9.525	4.0	●	●

Tool holder / Klemmhalter

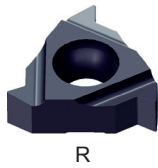


Turning · Drehen

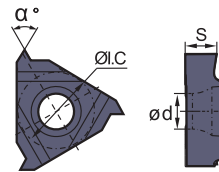
Threading tools · Gewindedrehwerkzeuge

General pitch thread insert (partial profile)
Allgemeiner Einsatz (Teilprofil)

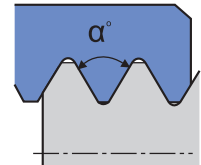
Thin Type



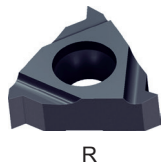
R



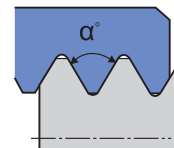
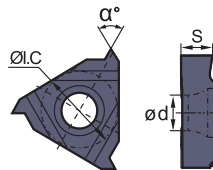
*Inserts with chip-breakers
Platten mit Spanbrecher



		Type Typ	Dimension (mm) Abmessung					Grade Sorte	
		Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	O.L.C	ød	α°	YBG202	YBG205
Externa Innen	60°	RT16.01W-A60B	0.5-1.5(48-16)	3.52	9.525	4.0	60°	●	○
		RT16.01W-G60B	1.75-3.0(14-8)	3.52	9.525	4.0	60°	○	○
		RT16.01W-AG60B	0.5-3.0(48-8)	3.52	9.525	4.0	60°	●	○
	55°	RT16.01W-AG60PB*	0.5-3.0(48-8)	3.52	9.525	4.0	60°	○	●
		RT16.01W-A55B	0.5-1.5(48-16)	3.52	9.525	4.0	55°	●	○
		RT16.01W-G55B	1.75-3.0(14-8)	3.52	9.525	4.0	55°	●	○
		RT16.01W-AG55PB*	0.5-3.0(48-8)	3.52	9.525	4.0	55°	●	●
	RT16.01W-AG55B	0.5-3.0(48-8)	3.52	9.525	4.0	55°	●	○	

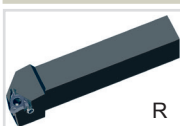


R



		Type Typ	Dimension (mm) Abmessung					Grade Sorte	
		Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	O.L.C	ød	α°	YBG202	YBG205
Internal Innen	60°	RT16.01N-A60B	0.5-1.5(48-16)	3.52	9.525	4.0	60°	●	○
		RT16.01N-G60B	1.75-3.0(14-8)	3.52	9.525	4.0	60°	●	○
		RT16.01N-AG60B	0.5-3.0(48-8)	3.52	9.525	4.0	60°	●	○
	55°	RT16.01N-A55B	0.5-1.5(48-16)	3.52	9.525	4.0	55°	●	○
		RT16.01N-G55B	1.75-3.0(14-8)	3.52	9.525	4.0	55°	●	○
		RT16.01N-AG55B	0.5-3.0(48-8)	3.52	9.525	4.0	55°	●	○

Tool holder / Klemmhalter



R



R

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● ex stock · ab Lager ○ on demand · auf Anfrage

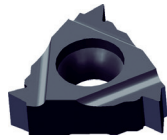
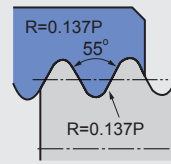
Whitworth thread insert
Whitworth Rohrgewinde

Thin Type

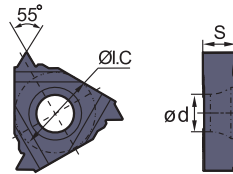
ISO 228/1:1982, DIN 259, B.S. 84:1956

Tolerance: Medium class A

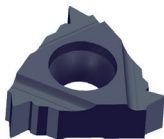
Toleranz: Medium Klasse A



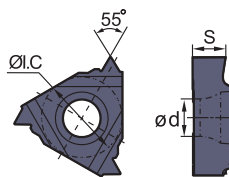
R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG202	YBG205
External Außen	RT16.01W-8WB	8	3.52	9.525	4.0	●	○
	RT16.01W-9WB	9	3.52	9.525	4.0	●	○
	RT16.01W-10WB	10	3.52	9.525	4.0	●	○
	RT16.01W-11WB	11	3.52	9.525	4.0	●	○
	RT16.01W-12WB	12	3.52	9.525	4.0	●	○
	RT16.01W-14WB	14	3.52	9.525	4.0	●	○
	RT16.01W-16WB	16	3.52	9.525	4.0	●	○



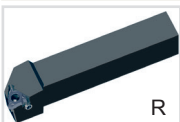
R



*Inserts with chip-breakers
Platten mit Spanbrecher

	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG202	YBG205
Internal Außen	RT16.01N-8WB	8	3.52	9.525	4.0	●	○
	RT16.01N-9WB	9	3.52	9.525	4.0	●	○
	RT16.01N-10WB	10	3.52	9.525	4.0	●	○
	RT16.01N-11WB	11	3.52	9.525	4.0	●	○
	RT16.01N-11WPB*	11	3.52	9.525	4.0	○	●
	RT16.01N-12WB	12	3.52	9.525	4.0	●	○
	RT16.01N-14WB	14	3.52	9.525	4.0	●	○
	RT16.01N-14WPB*	14	3.52	9.525	4.0	○	●
	RT16.01N-16WB	16	3.52	9.525	4.0	●	○

Tool holder / Klemmhalter



R



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● ex stock · ab Lager ○ on demand · auf Anfrage

A

General Turning
Allgemeine Drehbearbeitung

Threading
Gewindedrehen

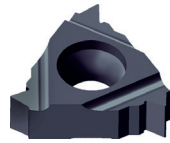
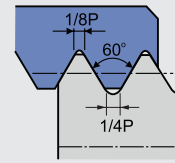
Turning · Drehen

Threading tools · Gewindedrehwerkzeuge

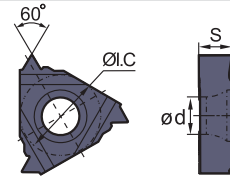
UN full profile
UN Vollprofil

Thin Type

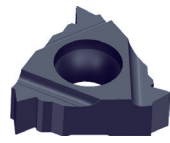
ASME B1.1-1989
Tolerances: 2A/2B
Toleranz



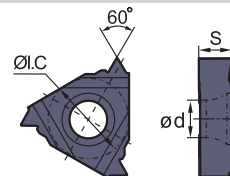
R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
		Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG202	YBG205
	Right hand Rechtsausführung						
External Außen	RT16.01W-8UNB	8	3.52	9.525	4.0	●	○
	RT16.01W-10UNB	10	3.52	9.525	4.0	●	○
	RT16.01W-12UNB	12	3.52	9.525	4.0	●	○
	RT16.01W-14UNB	14	3.52	9.525	4.0	●	○
	RT16.01W-16UNB	16	3.52	9.525	4.0	●	○
	RT16.01W-18UNB	18	3.52	9.525	4.0	●	○
	RT16.01W-20UNB	20	3.52	9.525	4.0	●	○

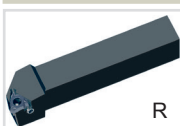


R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
		Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG202	YBG205
	Right hand Rechtsausführung						
Internal Innen	RT16.01N-8UNB	8	3.52	9.525	4.0	●	○
	RT16.01N-10UNB	10	3.52	9.525	4.0	●	○
	RT16.01N-12UNB	12	3.52	9.525	4.0	●	○
	RT16.01N-14UNB	14	3.52	9.525	4.0	●	○
	RT16.01N-16UNB	16	3.52	9.525	4.0	●	○
	RT16.01N-18UNB	18	3.52	9.525	4.0	●	○
	RT16.01N-20UNB	20	3.52	9.525	4.0	●	○
	RT16.01N-24UNB	24	3.52	9.525	4.0	●	○

Tool holder / Klemmhalter



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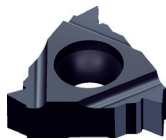
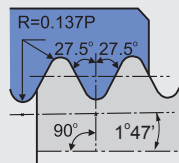
A346

● ex stock · ab Lager ○ on demand · auf Anfrage

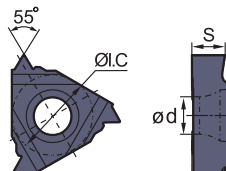
British standard taper pipe thread insert
Rohrgewinde für Dampf-, Gas- und Wasserleitungen

Thin Type

ISO 7/1:1994, B.S.21:1985
Standard BSPT
Standard BSPT



R

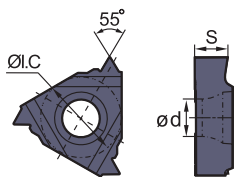


*Inserts with chip-breakers
Platten mit Spanbrecher

	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG202	YBG205
External Außen	RT16.01W-11BSPTB	11	3.52	9.525	4.0	●	○
	RT16.01W-14BSPTB	14	3.52	9.525	4.0	●	○
	RT16.01W-14BSPTPB*	14	3.52	9.525	4.0	○	●
	RT16.01W-19BSPTB	19	3.52	9.525	4.0	●	○
	RT16.01W-28BSPTB	28	3.52	9.525	4.0	●	○



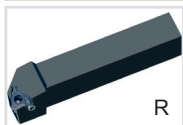
R



*Inserts with chip-breakers
Platten mit Spanbrecher

	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
	Right hand Rechtsausführung	Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG202	YBG205
Internal Innen	RT16.01N-11BSPTB	11	3.52	9.525	4.0	●	○
	RT16.01N-14BSPTB	14	3.52	9.525	4.0	●	○
	RT16.01N-14BSPTPB*	14	3.52	9.525	4.0	○	●
	RT16.01N-19BSPTB	19	3.52	9.525	4.0	●	○
	RT16.01N-28BSPTB	28	3.52	9.525	4.0	●	○

Tool holder / Klemmhalter



R



R

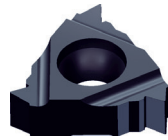
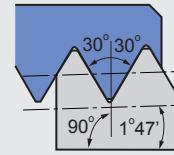
Turning · Drehen

Threading tools · Gewindedrehwerkzeuge

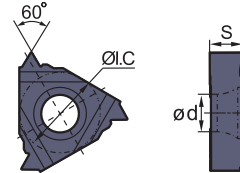
NPT American standard taper pipe with a shoulder
Amerikanisches kegeliges Rohrgewinde

Thin Type

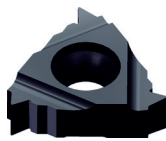
ASME B1.20.1-1983
Standard NPT
Standard NPT



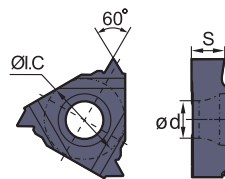
R



	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
		Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG202	YBG205
	Right hand Rechtsausführung						
External Außen	RT16.01W-8NPTB	8	3.52	9.525	4.0	●	○
	RT16.01W-11.5NPTB	11.5	3.52	9.525	4.0	●	○
	RT16.01W-14NPTB	14	3.52	9.525	4.0	●	○
	RT16.01W-18NPTB	18	3.52	9.525	4.0	●	○
	RT16.01W-27NPTB	27	3.52	9.525	4.0	●	○



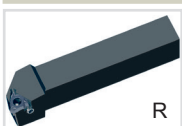
R



*Inserts with chip-breakers
Platten mit Spanbrecher

	Type Typ	Dimension (mm) Abmessung				Grade Sorte	
		Pitch Steigung (T.P.i)	S	ØI.C	ød	YBG202	YBG205
	Right hand Rechtsausführung						
Internal Innen	RT16.01N-8NPTB	8	3.52	9.525	4.0	●	○
	RT16.01N-11.5NPTB	11.5	3.52	9.525	4.0	●	○
	RT16.01N-11.5NPTPB*	11.5	3.52	9.525	4.0	○	●
	RT16.01N-14NPTB	14	3.52	9.525	4.0	●	○
	RT16.01N-14NPTPB*	14	3.52	9.525	4.0	○	●
	RT16.01N-18NPTB	18	3.52	9.525	4.0	●	○
	RT16.01N-27NPTB	27	3.52	9.525	4.0	●	○

Tool holder / Klemmhalter



R



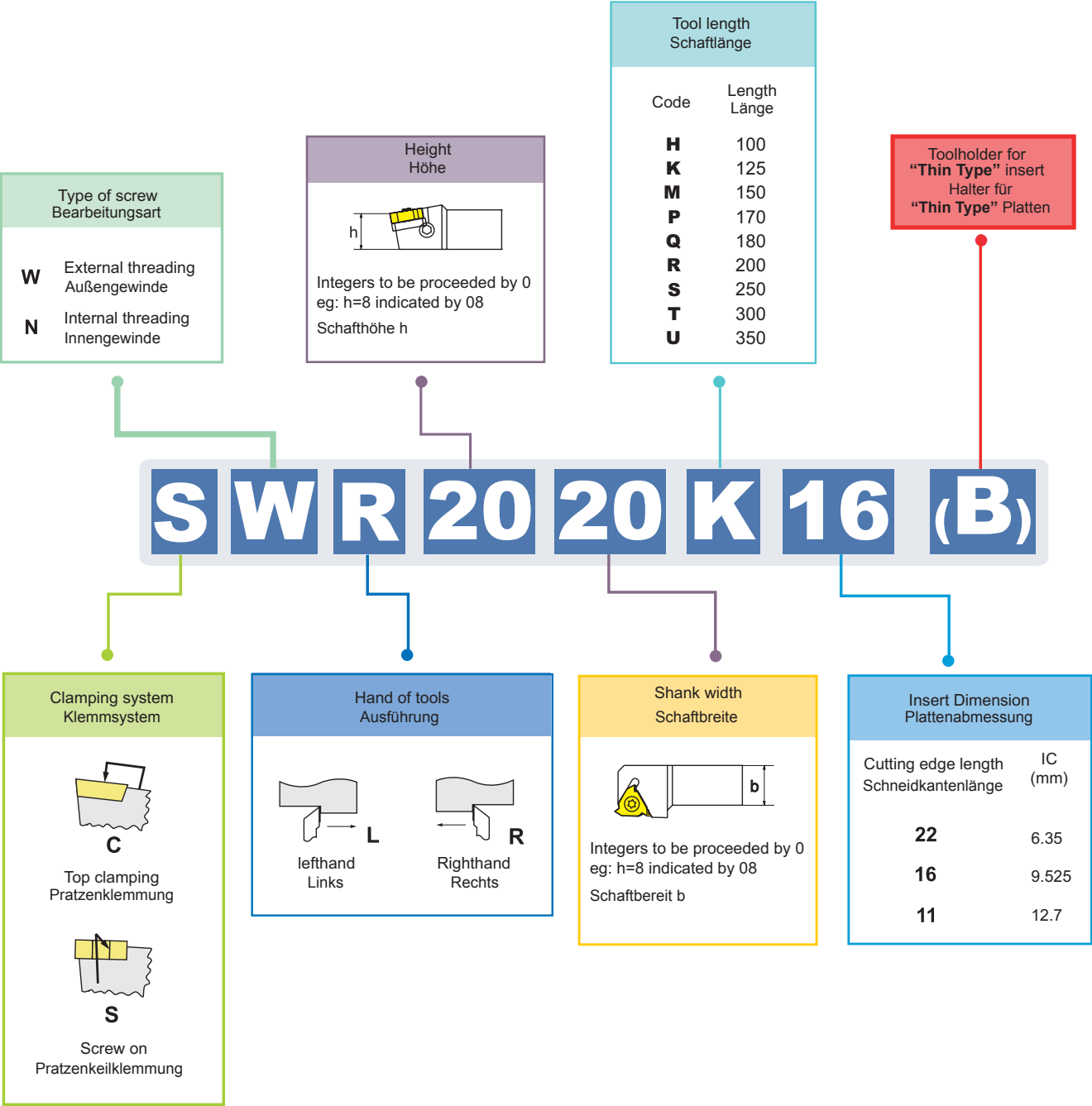
R

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● ex stock · ab Lager ○ on demand · auf Anfrage

Threading toolholders code key Kennzeichnung für Gewindehalter



A
General Turning
Allgemeine Drehbearbeitung

Threading
Gewindedrehen

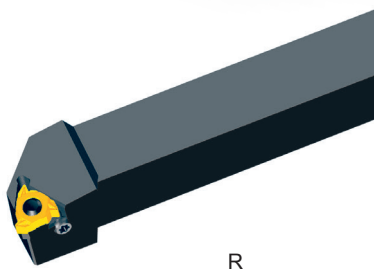
Turning · Drehen

Threading tools · Gewindedrehwerkzeuge

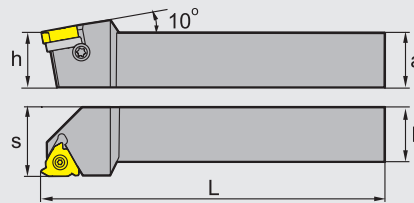


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External threading tools · Aussengewindehalter



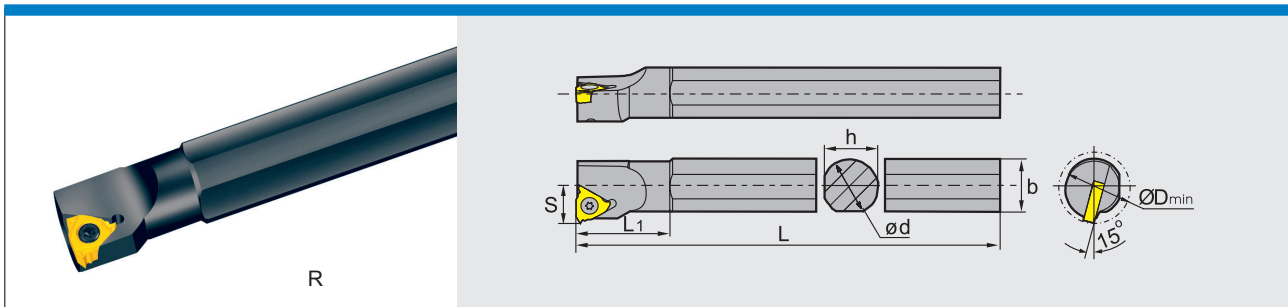
R



Type Typ	Stock Lager	Dimension (mm) Abmessung					Inserts Wendeschneidplatten	Screw Schraube	Shim Unterlage	Shim screw Schraube	Wrench Schlüssel
		a	h	b	L	s					
SWR	1616H16	●	16	16	16	100	RT16.01W-****	I60M3.5×12	MT16-**M	SM4×8C	WT15IP
	2020K16	●	20	20	20	125					
	2525M16	●	25	25	25	150					
	3225P16	●	32	32	25	170					
	3232P16	●	32	32	32	170					
	2525M22	●	25	25	25	150					
	3225P22	○	32	32	25	170					
	3232P22	●	32	32	32	170					
4040S22	○	40	40	40	250	LT22.01W-****	I60M5×17	MT22-**M	SM5×8.5C	WT15IP WT20IP	
SWL	1616H16	●	16	16	16						100
	2020K16	●	20	20	20						125
	2525M16	●	25	25	25						150
	3225P16	●	32	32	25						170
	3232P16	○	32	32	32						170
	2525M22	●	25	25	25						150
	3225P22	○	32	32	25						170
	3232P22	●	32	32	32	170					
4040S22	○	40	40	40	250						

● ex stock · ab Lager ○ on demand · auf Anfrage

Internal threading tools · Innengewindehalter



Type Typ	Stock Lager	Dimension (mm) Abmessung							Inserts Wendeschneidplatten	Screw Schraube	Shim Unterlage	Shim screw Schraube	Wrench Schlüssel	
		d	L	b	Dmin	s	h	L1						
SNR	0016K11	●	16	125	16	12	10	15	20.9	RT11.01N-****	I60 M2.5×6.5	---	---	WT07IP
	0016M11	●	16	150	15.5	16	10.5	15	25.9					
	0016M16	●	16	150	15.5	20	12	15	27					
	0020M16	●	20	150	19	25	14	18	28.7	RT16.01N-****	I60 M3.5×8	---	---	WT15IP
	0020Q16	●	20	180	19	25	14	18	34					
	0025M16	●	25	150	24	32	17	23	28.8					
	0032R16	●	32	200	31	40	22	30	30.9					
	0032S16	●	32	250	31	40	22	30	30.9					
	0040T16	●	40	300	38.5	50	27	37	31.5					
	0050U16	○	50	350	49.5	63	35	49	40.2					
	0020Q22	●	20	180	21.5	25	15	18	35	RT22.01N-****	I60 M5×10	---	---	WT20IP
	0025R22	●	25	200	24	32	19	23	39					
	0032S22	●	32	250	31	40	22	30	36.4					
	0040T22	●	40	300	38.5	50	27	37	37.2					
0050U22	●	50	350	48.5	63	35	47	42.6						
SNL	0016K11	●	16	125	16	12	10	15	20.9	LT11.01N-****	I60 M2.5×6.5	---	---	WT07IP
	0016M11	●	16	150	15.5	16	10.5	15	25.9					
	0016M16	●	16	150	15.5	20	12	15	27					
	0020M16	○	20	150	19	25	14	18	28.7	LT16.01N-****	I60 M3.5×8	---	---	WT15IP
	0020Q16	●	20	180	19	25	14	18	34					
	0025M16	●	25	150	24	32	17	23	28.8					
	0032R16	●	32	200	31	40	22	30	30.9					
	0032S16	○	32	250	31	40	22	30	30.9					
	0040T16	●	40	300	38.5	50	27	37	31.5					
	0050U16	○	50	350	49.5	63	35	49	40.2					
	0020Q22	●	20	180	21.5	25	15	18	35	LT22.01N-****	I60 M5×10	---	---	WT20IP
	0025R22	○	25	200	24	32	19	23	39					
	0032S22	●	32	250	31	40	22	30	36.4					
	0040T22	●	40	300	38.5	50	27	37	37.2					
0050U22	●	50	350	48.5	63	35	47	42.6						

● ex stock · ab Lager ○ on demand · auf Anfrage

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General Turning
Allgemeine Drehbearbeitung

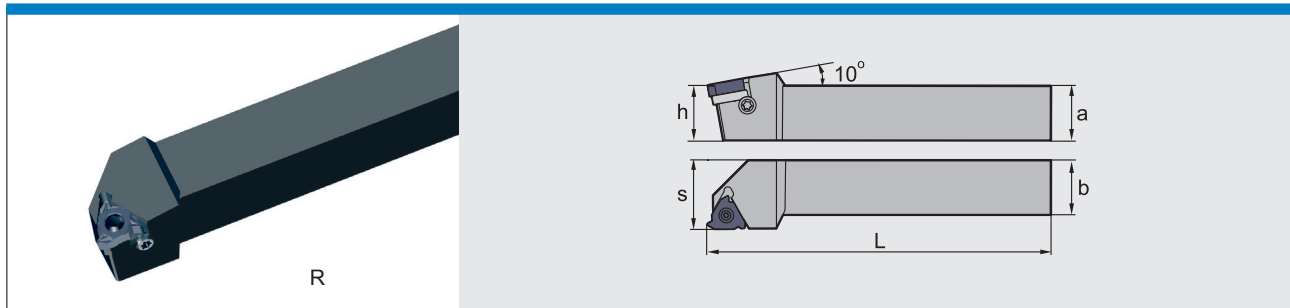
Threading
Gewindedrehen

Turning · Drehen

Threading tools · Gewindedrehwerkzeuge

External threading tools Außen Gewindehalter

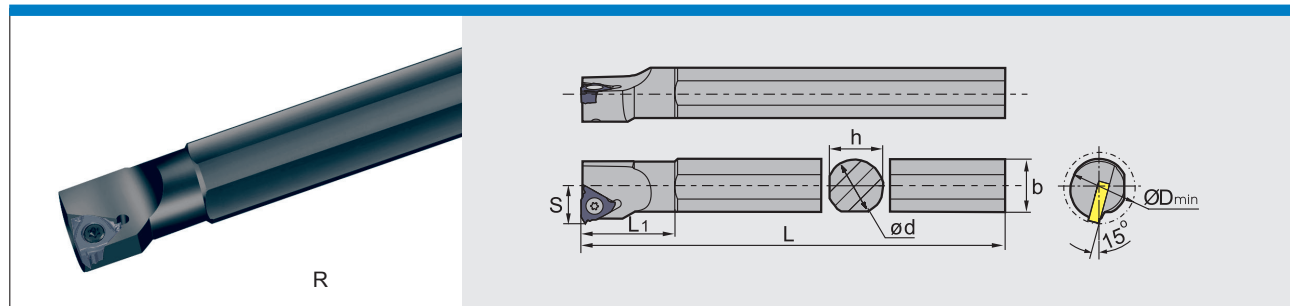
Thin Type



Type Typ	Stock Lager	Dimension (mm) Abmessung					Inserts Wendeschneidplatten	Screw Schraube	Shim Unterlage	Shim screw Schraube	Wrench Schlüssel
		a	h	b	L	s					
SWR	1616H16B	●	16	16	16	100	RT16.01W-****B	I60M3.5×12TT	MT16-**M	SM4×8C	WT15IP
	2020K16B	●	20	20	20	125					
	2525M16B	●	25	25	25	150					
	3225P16B	●	32	32	25	170					
	3232P16B	●	32	32	32	170					

Internal threading tools Innengewindehalter

Thin Type



Type Typ	Stock Lager	Dimension (mm) Abmessung								Inserts Wendeschneidplatten	Screw Schraube	Shim Unterlage	Shim screw Schraube	Wrench Schlüssel
		d	L	b	D _{min}	s	h	L ₁						
SNR	0016M16B	●	16	150	15.5	20	12	15	27	RT16.01N-□□□□B	I60M3.5×08TT	—	—	WT15IP
	0020Q16B	●	20	180	19	25	14	18	34					
	0025M16B	●	25	150	24	32	17	23	28.8		I60M3.5×12TT	MT16-**M	SM4×8C	
	0032R16B	●	32	200	31	40	22	30	30.9					
	0032S16B	●	32	250	31	40	22	30	30.9					

● ex stock · ab Lager ○ on demand · auf Anfrage

Steps to get the best threading result:

Bearbeitungsfolge für beste Ergebnisse beim Gewindeschneiden:

- 1 Select thread machining method
Wahl der Gewindedrehmethode
- 2 Decide helical angle, select shim
Auswahl des Winkels und der Unterlage
- 3 Choose insert and toolholder size
Auswahl der Halter und Platten
- 4 By checking reference table of standard threading program, select feasible cutting parameters.
Auswahl der Schnittparameter
- 5 Select feed way
Auswahl der Schnitttrichtung

Thread machining method · Gewindedrehmethode

