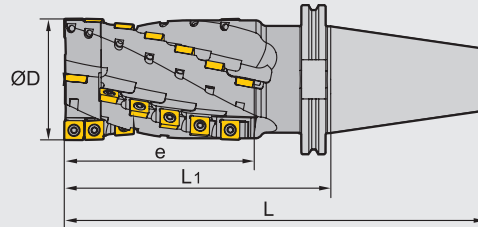
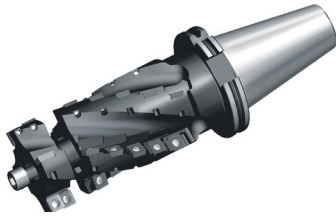


Helical endmills with interchangeable heads
Walzenstirnfräser mit austauschbarem Kopf

Kr:90°



HMP01 EC P K



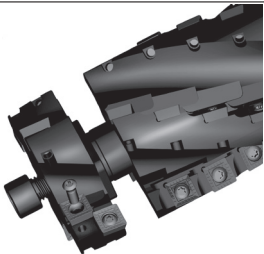
B

Milling Tools
Fräser

Specification of tools · Werkzeug-Beschreibung

Type Typ	Stock Lager	Dimensions (mm) Abmessungen						Number of flute Anzahl Zahnreihen Z	Number of insert Anzahl WSP		Shank type Schaft
		R	L	Ø D	e	L1	L		APKT 150412-**	SPMT 120408-**	
HMP01	-050×84EC-JT50-SP12-04	●	○	50	84	145	246.75	4	2	16	JT
	-063×74EC-JT50-SP12-04	○	○	63	74	135	236.75	4	2	14	JT
	-063×104EC-JT50-SP12-04	○	○	63	104	165	266.75	4	2	20	JT
	-063×134EC-JT50-SP12-04	●	○	63	134	195	296.75	4	2	26	JT
	-080×104EC-JT50-SP12-04	○	○	80	104	165	266.75	4	2	20	JT
	-080×144EC-JT50-SP12-04	○	○	80	144	205	306.75	4	2	28	JT
	-050×84EC-BT50-SP12-04	○	○	50	84	145	246.8	4	2	16	BT
	-063×74EC-BT50-SP12-04	○	○	63	74	135	236.8	4	2	14	BT
	-063×104EC-BT50-SP12-04	○	○	63	104	165	266.8	4	2	20	BT
	-063×134EC-BT50-SP12-04	○	○	63	134	195	296.8	4	2	26	BT
	-080×104EC-BT50-SP12-04	○	○	80	104	165	266.8	4	2	20	BT
	-080×144EC-BT50-SP12-04	○	○	80	144	205	306.8	4	2	28	BT

Spare parts · Ersatzteile

Diameter Durchmesser Ø D	Insert Screw WSP Schraube	Screw of head Schraube für Kopf	Wrench of insert Screw Schlüssel f. WSP	Wrench of head Schlüssel für Kopf	Interchangeable head Austauschbarer Kopf	
Ø50	I60M5×13	M10×50	WT20IS	WH80L	050EC	
Ø63	I60M5×13	M10×50	WT20IS	WH80L	063EC	
Ø80	I60M5×13	M12×55	WT20IS	WH100L	080EC	

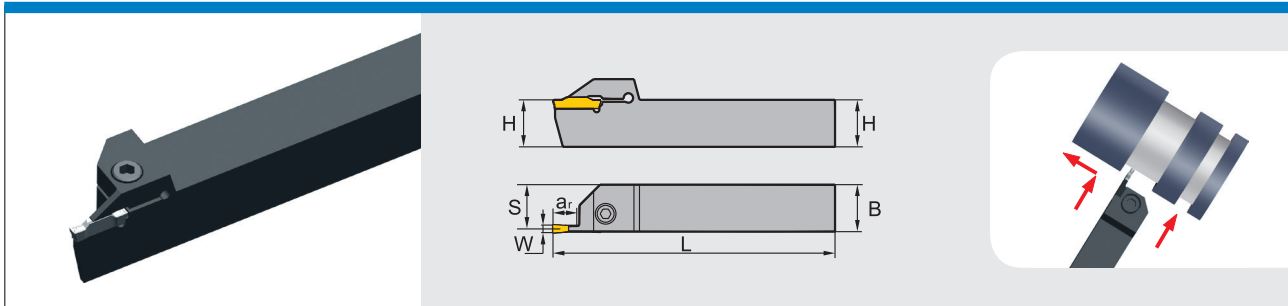
Applicable tool
Werkzeug

Tools code key
Werkzeug ISO

Grade selection guide
Sortenauswahl

Technical data
Technische Daten

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



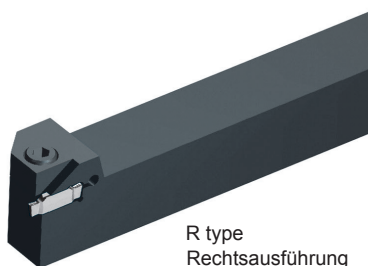
Type Typ		Stock Stock		Dimension (mm) Abmessung					Inserts Stechplatte	Screw Schraube	Wrench Schlüssel
		R	L	H×B	L	S	W	ar max			
QEED	1616R/L10	●	●	16×16	125	15	2.5	10	Z*ED025**	GB70-85-M5×20	WH40L
	1616R/L17	●	●	16×16	125	15	2.5	17	Z*ED025**		
	2020R/L10	●	●	20×20	15	10	2.5	10	Z*ED025**	GB70-85-M6×20	WH50L
	2020R/L17	●	●	20×20	25	19	2.5	17	Z*ED025**		
	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**	GB70-85-M6×20	WH50L
	2020R/L17	●	●	20×20	125	18.8	3	17	Z*FD03**		
	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

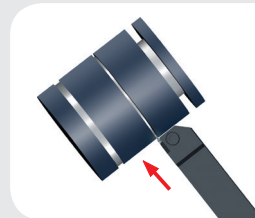
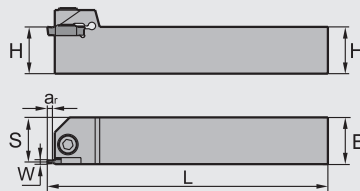
Turning · Drehen

Parting & Grooving · Ab- & Einstechen

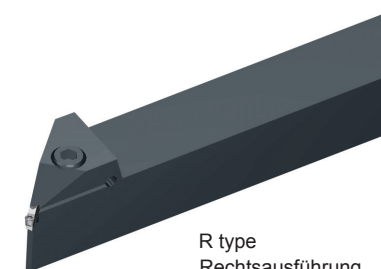
Precise grooving and turning tools · Präzisions Einstech- & Drehwerkzeuge



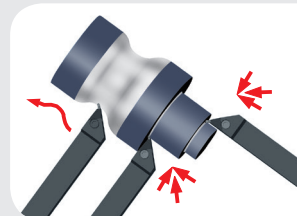
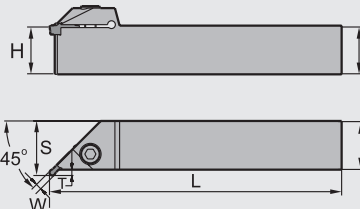
R type
Rechtsausführung



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			ZT**D***-EG	GB70-85-M5×20	WH40L
	2020R/L025	○	○	20×20	125	18.75		2.5		GB70-85-M6×20	WH50L
	2525R/L025	○	○	25×25	150	23.75					



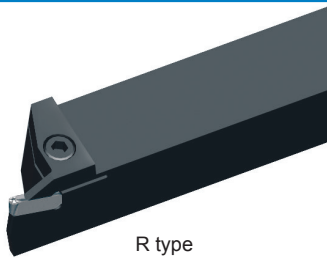
R type
Rechtsausführung



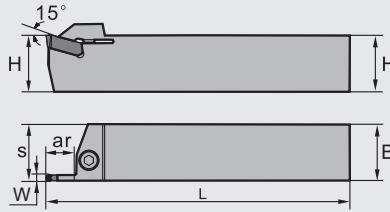
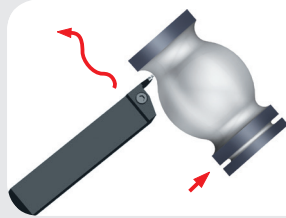
Type Typ		Stock Stock		Dimension (mm) Abmessung					Inserts Stechplatte	Screw Schraube	Wrench Schlüssel
		R	L	H×B	L	S	W	a _r max			
QXFD	2020R/L03-45	○	○	20×20	125	23	3.0	3.0	ZR(T)FD03-EG ZR(T)FD03-MG	GB70-85-M6×20	WH50L
	2525R/L03-45	●	●	25×25	150	28					
	3232R/L03-45	○	○	32×32	170	35					
QXGD	2020R/L03-45	○	○	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 Stechdrehwerkzeug für die schwierige Bearbeitung (Außen)



R type
Rechtsausführung

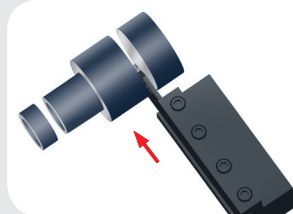
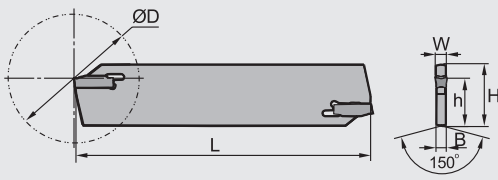
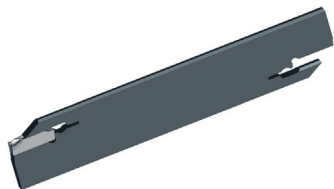
Type Typ		Stock Stock		Dimension (mm) Abmessung					Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
		R	L	H×B	L	S	W	ar max			
QEFS	2525R/L12-3N	○	○	25×25	150	25.3	3	12	ZIGQ3N-NM	GB70-85-M6×20	WH50L
	3232R/L22-3N	○	○	32×32	170	32.3	3	22	ZIMF304N-NM		
QEGS	2525R/L12-4N	○	○	25×25	150	25.3	4	12	ZIGQ4N-NM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

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

Turning · Drehen

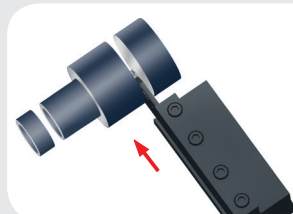
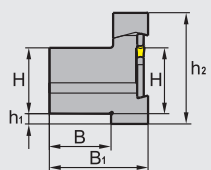
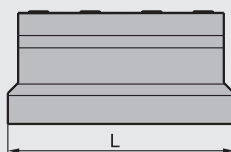
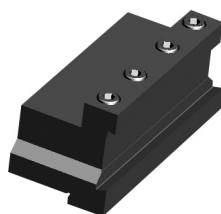
Parting & Grooving · Ab- & Einstechen

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		
QEE526N	●	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	
QEK526N	●	110	26	19	5	6	70	ZPKS0604-MG	
QEE532N	●	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	
QEK532N	●	150	32	24.6	5	6	120	ZPKS0604-MG	

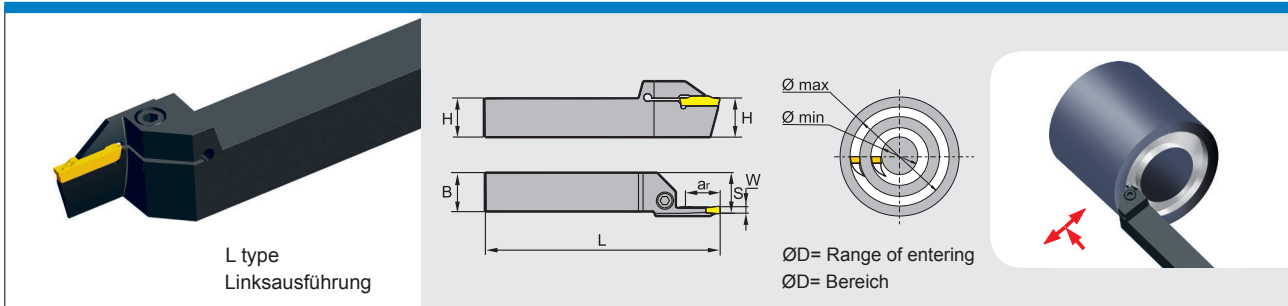
Holder for external parting · Spannblock zur Außenbearbeitung



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



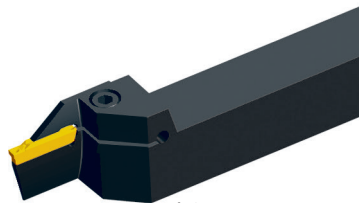
Type Typ		Stock Stock		Dimension (mm) Abmessung						Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
		R	L	H×B	L	S	W	a _r max	ØD (min-max)			
QFFD	2020R/L7-48H	○	○	20×20	150	21	3	7	48-66	ZTFD0303-MG	GB70-85-M6×20	WH50L
	2020R/L10-48H	○	○	20×20	150	21	3	10	48-66			
	2525R/L10-48H	●	●	25×25	150	26	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		
	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

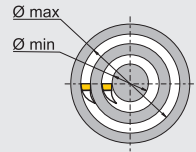
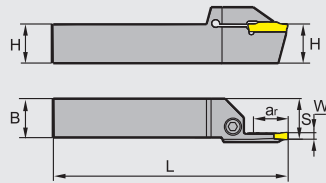
Turning · Drehen

Parting & Grooving · Ab- & Einstechen

■ Axial grooving and turning tools · Axialstech- & Drehwerkzeug



L type
Linksausführung



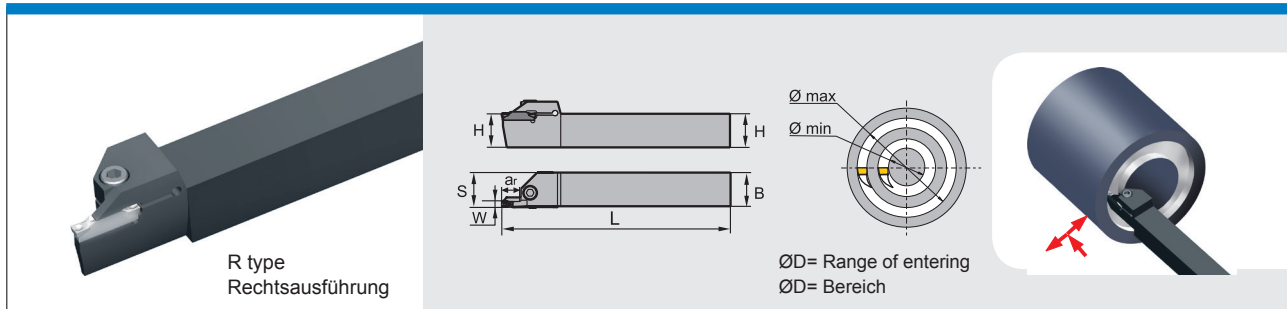
ØD= Range of entering
ØD= Bereich



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



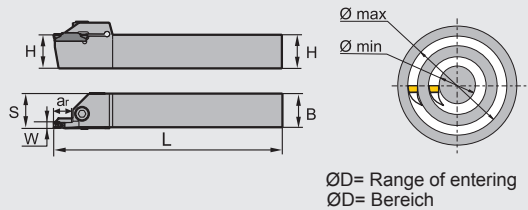
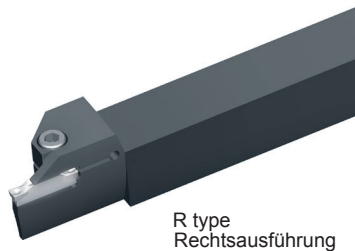
Type Typ		Stock Stock		Dimension (mm) Abmessung						Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
		R	L	H×B	L	S	W	a _r max	ØD (min-max)			
QFFD	2020RR7-48H	○	○	20×20	150	21	3	7	48-66	ZTFD0303-MG	GB70-85-M6×20	WH50L
	2020RR10-48H	○	○	20×20	150	21	3	10	48-66			
	2525RR10-48H	○	○	25×25	150	26	3	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		
	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

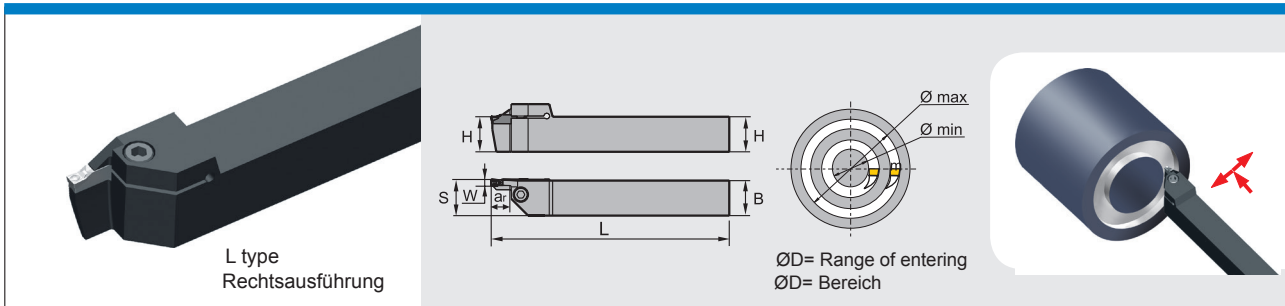
■ Axial grooving and turning tools · Axialstech- & Drehwerkzeug



Type Typ		Stock Stock		Dimension (mm) Abmessung						Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
		R	L	H×B	L	S	W	a _{rmax}	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



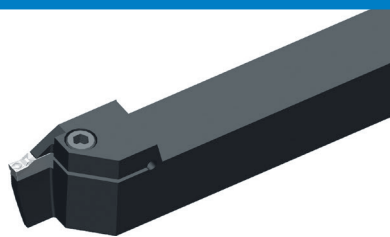
Type Typ		Stock Stock		Dimension (mm) Abmessung						Inserts Stechplatten	Screw Schraube	Wrench Schlüssel		
		R	L	H×B	L	S	W	a _r max	ØD (min-max)					
QFFD	2020LL7-48H	○	○	20×20	150	21	3	7	48-66	ZTFD0303-MG	GB70-85-M6×20	WH50L		
	2020LL10-48H	○	○	20×20	150	21	3	10	48-66					
	2525LL10-48H	○	○	25×25	150	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				
	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

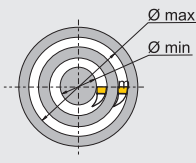
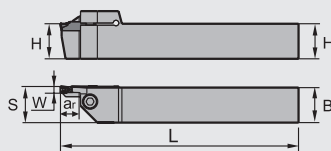
Turning · Drehen

Parting & Grooving · Ab- & Einstechen

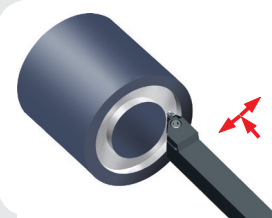
Axial grooving and turning tools · Axialstech- & Drehwerkzeug



L type
Linksausführung



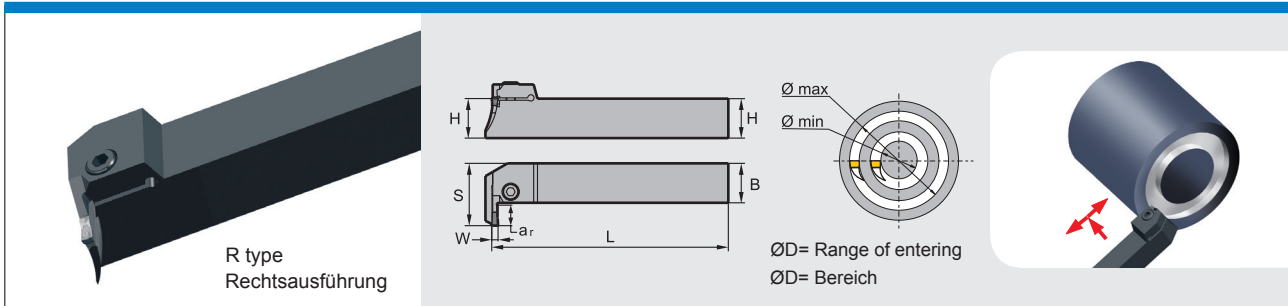
ØD= Range of entering
ØD= Bereich



Type Typ		Stock Stock		Dimension (mm) Abmessung						Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
		R	L	H×B	L	S	W	a _r 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	a _r 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		
	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

A

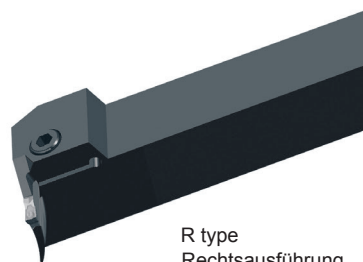
General Turning
Allgemeine Drehbearbeitung

Parting & Grooving
Ab- & Einstechen

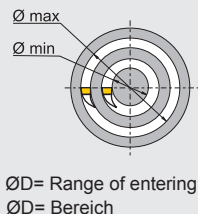
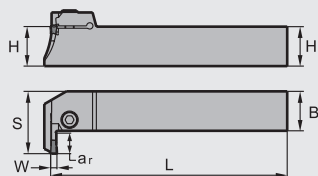
Turning · Drehen

Parting & Grooving · Ab- & Einstechen

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



R type
Rechtsausführung



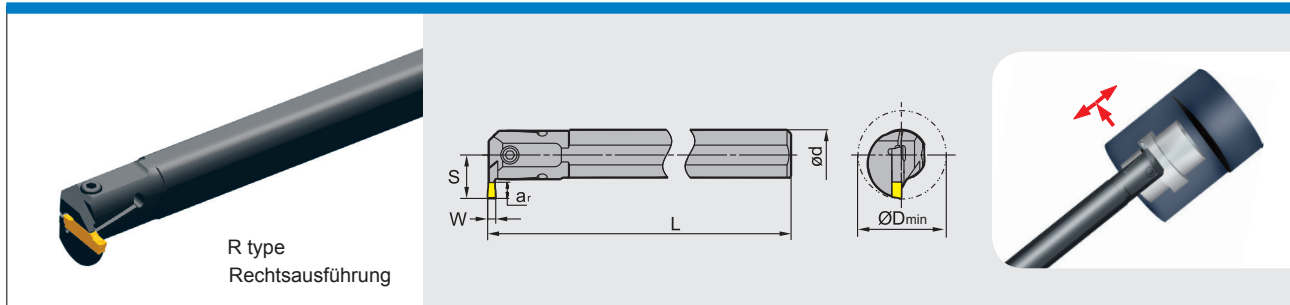
ØD= Range of entering
ØD= Bereich



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			
	2525R/L22-185L	○	○	25×25	150	48.5	5	22	185-400			
QFHS	2525R/L30-185L	○	○	25×25	150	56.5	5	30	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			

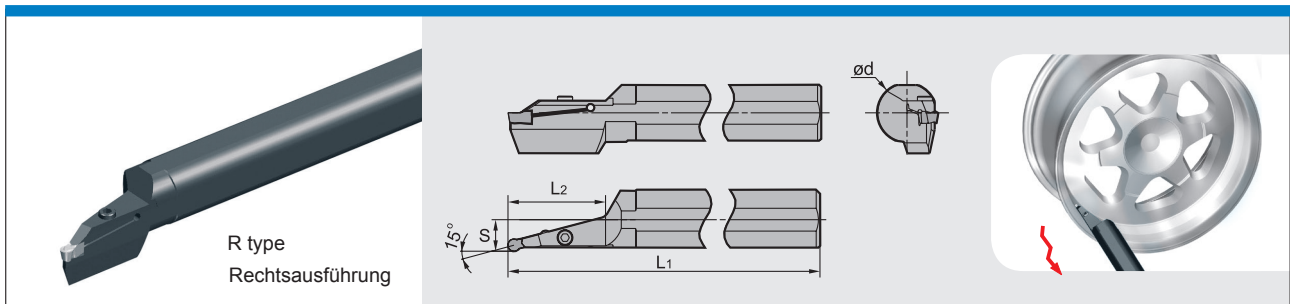
● ex stock · ab Lager ○ on demand · auf Anfrage

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



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		GB70-85-M5×20	
C20Q-QFDR/L05-27	●	●	20	0	15.2	3	5	27	ZTFD03* ZRFD03*	GB70-85-M4×12	WH30L
C25R-QFDR/L07-33	●	●	25	200	20.3	3	7	33		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	ZTGD04* ZRGD04*	GB70-85-M5×16	WH40L
C32S-QGDR/L11-44	●	●	32	250	27.5	4	11	44		GB70-85-M6×20	WH50L
C40T-QGDR/L13-54	●	●	40	300	33.5	4	13	5		GB70-85-M6×20	
C25R-QHDR/L08-35	●	○	25	200	21.5	5	8	35	ZTHD05* ZRHD05*	GB70-85-M5×16	WH40L
C32S-QHDR/L11-44	●	●	32	250	27.5	5	11	44		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	WH50L
C40T-QKDR/L13-54	●	●	40	300	33.5	6	13	54		GB70-85-M6×20	

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



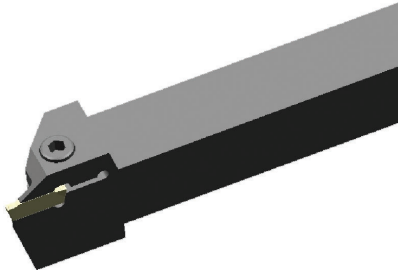
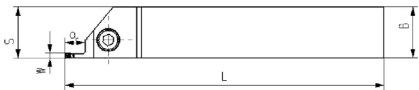
Type Typ	Stock Stock		Dimension (mm) Abmessung					Inserts Stechplatten	Screw Schraube	Wrench Schlüssel
	R	L	ØD ₀	ød	S	L1	L2			
C40X-QLDR/L65-15A	○	○	160	40	21	320	65	ZRLD08-LH	GB70-85-M6×20	WH50L
C40X-QLDR/L80-15A	○	○	160	40	21	320	80	ZRLD08-LH		
C40X-QKDR/L60-15A	○	○	160	40	20	320	60	ZRKD06-LH		
C40X-QKDR/L75-15A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

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

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	1616R/L04	○	○	16×16	150	16.17	2	4	ZTBD02002	M5×16	WH40L
	2020R/L07	○	○	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