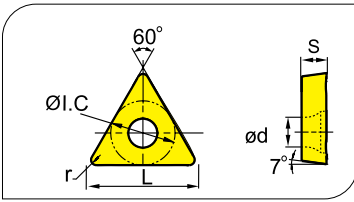


Turning · Drehen

Cemented carbide and cermet Inserts · Hartmetall und Cermet WSP

TC** Positive Insert/ Positive WSP

● Ideal Machining Condition / Gute Bearbeitungsbedingungen
● Normal Machining Condition / Normale Bearbeitungsbedingungen
● Unfavorable Machining Condition / Ungünstige Bearbeitungsbedingungen



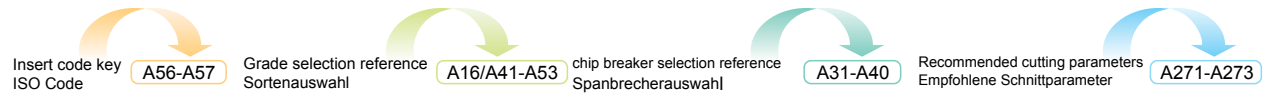
Workpiece Material / Werkstoffe	P	M	K	N	S
Steel / Stahl	●●●●●●●●●●				
Stainless Steel / Rostfreier Stahl		●●●●●●●●●●			
Cast iron / Gusseisen			●●●●●●●●●●		
Non-ferrous material / Ne Metalle				●●●●●●●●●●	
Heat-resistant steel / Warmfester Stahl					●●●●●●●●●●

Insert Shape / Schneidplattenform	Type / Typ	Dimension (mm) / Abmessung					Coated Carbide / Beschichtetes Hartmetall												Cermet unbeschichtet	Cermet Coated / beschicht. Cermet	Uncoated Carbide / unbeschicht. Hartmetall							
		L	I.C	S	d	r	YBC151	YBC152	YBC251	YBC252	YBC351	YBG102	YBG105	YBG202	YBG205	YBM151	YBM153	YBM251			YBM253	YBD052	YBD102	YBD152	YBD152C	YNG151	YNG151C	YD101
 Finishing / Schlichten	TCMT06T104-HF	6.4	3.97	1.98	2.2	0.4																						
	TCMT06T108-HF	6.4	3.97	1.98	2.2	0.8																						
	TCMT090202-HF	9.6	5.56	2.38	2.5	0.2	○	○	●	●														●				
	TCMT090204-HF	9.6	5.56	2.38	2.5	0.4	○	○	○	●					○									○				
	TCMT090208-HF	9.6	5.56	2.38	2.5	0.8	○		●	○														○				
	TCMT110202-HF	11	6.35	2.38	2.8	0.2			●	○				●										○				
	TCMT110204-HF	11	6.35	2.38	2.8	0.4	○	●	●	●	○													○	○			
	TCMT110208-HF	11	6.35	2.38	2.8	0.8	○	●	○	●	○			○										○				
	TCMT16T302-HF	16.5	9.525	3.97	4.4	0.2			○																			
	TCMT16T304-HF	16.5	9.525	3.97	4.4	0.4	○	●	●					○		○								○				
	TCMT16T308-HF	16.5	9.525	3.97	4.4	0.8	○	●	●															○				

Tool holder / Klemmhalter



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A
 General Turning / Allgemeine Drehbearbeitung

Turning · Drehen

External turning tools · Drehwerkzeuge zur Außenbearbeitung

TC** Toolholder · Halter

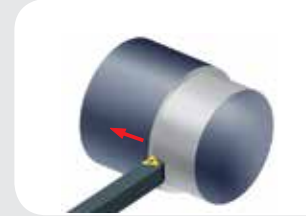
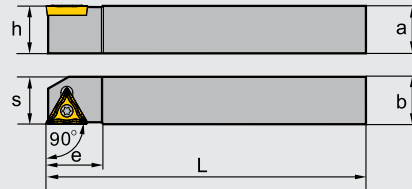
S-Clamping · S-Halter

STACR/ L

Kr:90°



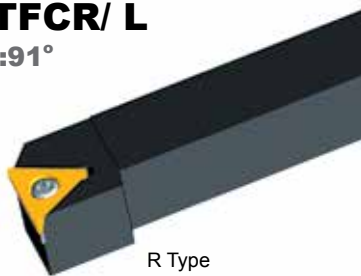
R Type
Rechtsausführung



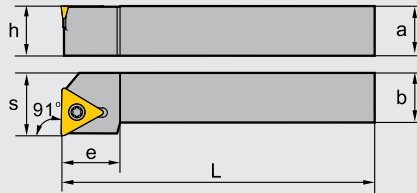
Type Typ	Stock Lager	Dimension (mm) Abmessung								Screw Schraube	Wrench Schlüssel		
		R	L	a	b	L	h	s	e				
STACR/ L	1212F11	●	●	12	12	80	12	12.5	14	I60M2.5×6.5	WT07IP		

STFCR/ L

Kr:91°



R Type
Rechtsausführung



Type Typ	Stock Lager	Dimension (mm) Abmessung								Screw Schraube	Shim Unterlage	Shim Screw, Unterlage Schraube	Wrench Schlüssel
		R	L	a	b	L	h	s	e				
STFCR/ L	1212F11	●	○	12	12	80	12	16	14	I60M2.5×6.5	—	—	WT07IP
	1616H11	●	○	16	16	100	16	20	14				
	1616H16	●	○	16	16	100	16	20	19	I60M3.5×12	T16BS	SM5×8.65XA	WT15IP WH35L
	2020K16	●	●	20	20	125	20	25	19				

Applicable insert
Wendeschneidplatten

Application Anwendung	Extra Finishing Feinbearbeitung	Finishing Schlichten	Semi-finishing Mittlere Bearbeit.	Roughing Schruppen	Al machining Alu-Bearbeitung	Cast iron machining	PCBN/PCD inserts/WSP
insert shape Schneidplattenform	SF 	HF 	HM 	HR 	LH 	Flat Flach 	Flat Flach
		EF 	EM 		LC 		
Type · Typ	STACR/ L**F11	TC**1102**	TC**1102**	TC**1102**	TC**1102**	TCGX1102**	TC**1102**
	STFCR/ L**F/ H11	TC**1102**	TC**1102**	TC**1102**	TC**1102**	TCGX1102**	TC**1102**
	STFCR/ L**H/ K16		TC**16T3**	TC**16T3**	TC**16T3**	TCGX16T3**	TC**16T3**

● ex stock · ab Lager ○ on demand · Anfrage

TC** Toolholder · Halter

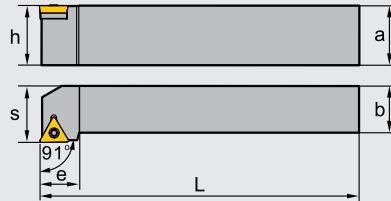
S-Clamping · S-Halter

STGCR/ L

Kr:91°













R Type
Rechtsausführung



Type Typ		Stock Lager		Dimension (mm) Abmessung						Screw Schraube	Shim Unterlage	Shim Screw, Unterlage Schraube	Wrench Schlüssel
		R	L	a	b	L	h	s	e				
STGCR/ L	0808D09	●	●	08	08	60	8	10	11	I60M2.2×5.5	—	—	WT06IP
	1010E09	●	●	10	10	70	10	12	11				
	1212F11	●	●	12	12	80	12	16	14				
	1616H11	●	●	16	16	100	16	20	16	I60M2.5×6.5	—	—	WT07IP
	2020K16	●	●	20	20	125	20	25	21				
	2525M16	●	●	25	25	150	25	25	21	I60M3.5×12	T16BS	SM5×8.65XA	WT15IP WH35L

Applicable insert
Wendeschneidplatten

Application Anwendung	Extra Finishing Feinbearbeitung	Finishing Schlichten	Semi-finishing Mittlere Bearbeit.	Roughing Schruppen	Al machining Alu-Bearbeitung	Cast iron machining	PCBN/PCD inserts/WSP	
insert shape Schneidplattenform	SF  A112	HF  A113	HM  A115	HR  A115	LH  A116	Flat Flach  A115	Flat Flach  A136	
		EF  A114	EM  A114		LC  A116			
Type · Typ	STGCR / L**D / E09	TC**0902**	TC**0902**	TC**0902**	TC**0902**	TCGX0902**	TC**0902**	TC**0902**
	STGCR / L**F / H11	TC**1102**	TC**1102**	TC**1102**	TC**1102**	TCGX1102**	TC**1102**	TC**1102**
	STGCR / L**K / M16		TC**16T3**	TC**16T3**	TC**16T3**	TCGX16T3**	TC**16T3**	TC**16T3**

A

General Turning
Allgemeine Drehbearbeitung

Turning · Drehen

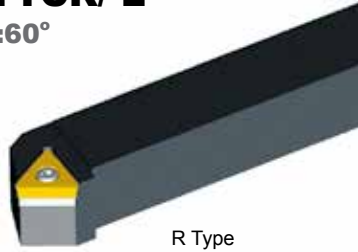
External turning tools · Drehwerkzeuge zur Außenbearbeitung

TC** Toolholder · Halter

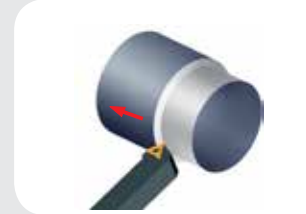
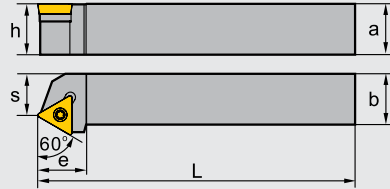
S-Clamping · S-Halter

STTCR/ L

Kr:60°













R Type
Rechtsausführung



Type Typ		Stock Lager		Dimension (mm) Abmessung						Screw Schraube	Shim Unterlage	Shim Screw, Unterlage Schraube	Wrench Schlüssel
		R	L	a	b	L	h	s	e				
STTCR/ L	1616H11	●	○	16	16	100	16	13	14	I60M2.5×6.5	—	—	WT07IP
	1616H16	●	●	16	16	100	16	13	19	I60M3.5×12	T16BS	SM5×8.65XA	WT15IP
	2020K16	●	●	20	20	125	20	17	19				WH35L

Applicable insert
Wendeschneidplatten

Application Anwendung	Extra Finishing Feinbearbeitung	Finishing Schlichten	Semi-finishing Mittlere Bearbeit.	Roughing Schruppen	Al machining Alu-Bearbeitung	Cast iron machining	PCBN/PCD inserts/WSP	
insert shape Schneidplattenform	SF  A112	HF  A113	HM  A115	HR  A115	LH  A116	Flat Flach  A115	Flat Flach  A136	
		EF  A114	EM  A114		LC  A116			
Type · Typ	STTCR / L**H11	TC**1102**	TC**1102**	TC**1102**	TC**1102**	TCGX1102**	TC**1102**	TC**1102**
	STTCR / L**H / K16		TC**16T3**	TC**16T3**	TC**16T3**	TCGX16T3**	TC**16T3**	TC**16T3**

● ex stock · ab Lager ○ on demand · Anfrage

Turning · Drehen

Internal turning tools · Drehwerkzeuge zur Innenbearbeitung

TC** Toolholder · Halter

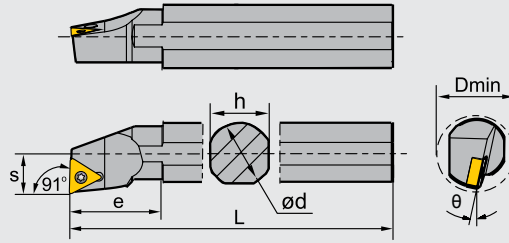
S-Clamping / S-Halter

STFCR/L

Kr:91°/*Kr:90°












R type
Rechtsausführung



Type Typ	Stock Lager		Dimension (mm) Abmessung							Screw Schraube	Wrench Schlüssel	Shim Unterlage	Shim/ Screw Schraube Unterlage
	R	L	Dmin	ød	h	L	S	θ	e				
S12M-STFCR/L11	●	●	16	12	11	150	9	-10°	30	I60M2.5×6.5	WT07IP		
S16M-STFCR/L11	○	○	20	16	15	150	11	-6°	35				
S16R-STFCR/L11	●	●	20	16	15	200	11	-6°	35				
S20Q-STFCR/L11	○	○	25	20	18	180	13	-3°	36				
S20S-STFCR/L11	●	●	25	20	18	250	13	-3°	36	I60M3.5×10	WT15IP		
S25Q-STFCR/L16	○	○	32	25	23	180	17	-6°	49				
S25T-STFCR/L16	●	●	32	25	23	300	17	-6°	49	I60M3.5×12	WT15IP WH35L	T16BS	SM5×8.65XA
S32R-STFCR/L16	○	○	40	32	30	200	22	-10°	50				
S32U-STFCR/L16	●	●	40	32	30	350	22	-10°	50				
S40S-STFCR/L16	○	○	50	40	37	250	27	-8°	60	I60M2.5×6.5	WT07IP		
S40V-STFCR/L16	●	●	50	40	37	400	27	-8°	60				
♦ A12K-STFCR/L11	●	●	16	12	11.5	125	9	-10°	26	I60M2.5×6.5	WT07IP		
♦ A16M-STFCR/L11	●	○	20	16	15.5	150	11	-6°	30				
♦ A20Q-STFCR/L11	●	●	25	20	19	180	13	-3°	36				
♦ A25R-STFCR/L16	●	●	32	25	24	200	17	-6°	45				
♦ A32S-STFCR/L16	●	○	40	32	31	250	22	-10°	49	I60M3.5×12	WT15IP	T16BS	SM5×8.65XA

Applicable insert
Wendeschneidplatten

Application Anwendung	Extra Finishing Feinbearbeitung	Finishing Schlichten	Semi-finishing Mittlere Bearbeit.	Roughing Schruppen	Al machining Alu Bearbeitung	Cast iron machining Grauguss Bearbeit.
insert shape Schneidplattenform	SF  A112	HF  A113	HM  A115	HR  A115	LH  A116	Flat Flach  A115
		EF  A114	EM  A114		LC  A116	
Type Typ	**STFCR/L11	TC**1102**	TC**1102**	TC**1102**	TC**1102**	TCGX1102**
	STFCR/L16	TC16T3**	TC**16T3**	TC**16T3**	TC**16T3**	TCGX16T3**

● ex stock · ab Lager ○ on demand · auf Anfrage ♦ Toolholder with holes for coolant · Klemmhalter mit Kühlmittelbohrung

Turning · Drehen

Internal turning tools · Drehwerkzeuge zur Innenbearbeitung

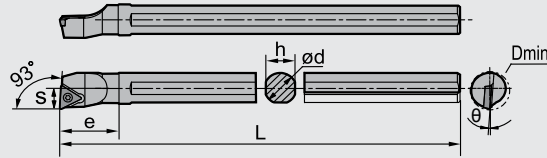
TP** Toolholder · Halter

S-Clamping / S-Halter

STUPR/L Kr:93°



R type
Rechtsausführung



Type Typ	Stock Lager		Dimension (mm) Abmessung							Screw Schraube	Wrench Schlüssel		
	R	L	Dmin	ød	h	L	S	θ	e				
S10K-STUPR/L09	●	●	12	10	9	125	6	-6°	20	I60M2.2×5.5	WT071P		
S12M-STUPR/L09	●	●	16	12	11	150	8	-4°	22				
S12M-STUPR/L11	●	●	16	12	11	150	8	-4°	25	I60M2.5×6.5	WT071P		
S16Q-STUPR/L11	●	●	20	16	15	180	10	-3°	27				

Applicable insert
Wendeschneidplatten

Application
Anwendung

Extra Finishing
Feinbearbeitung

insert shape
Schneidplattenform

SF



A117

Type Typ	**STUPR/L09	TP**0902**
	STUPR/L11	TP1103**

● ex stock · ab Lager ○ on demand · auf Anfrage ♦ Toolholder with holes for coolant · Klemmhalter mit Kühlmittelbohrung