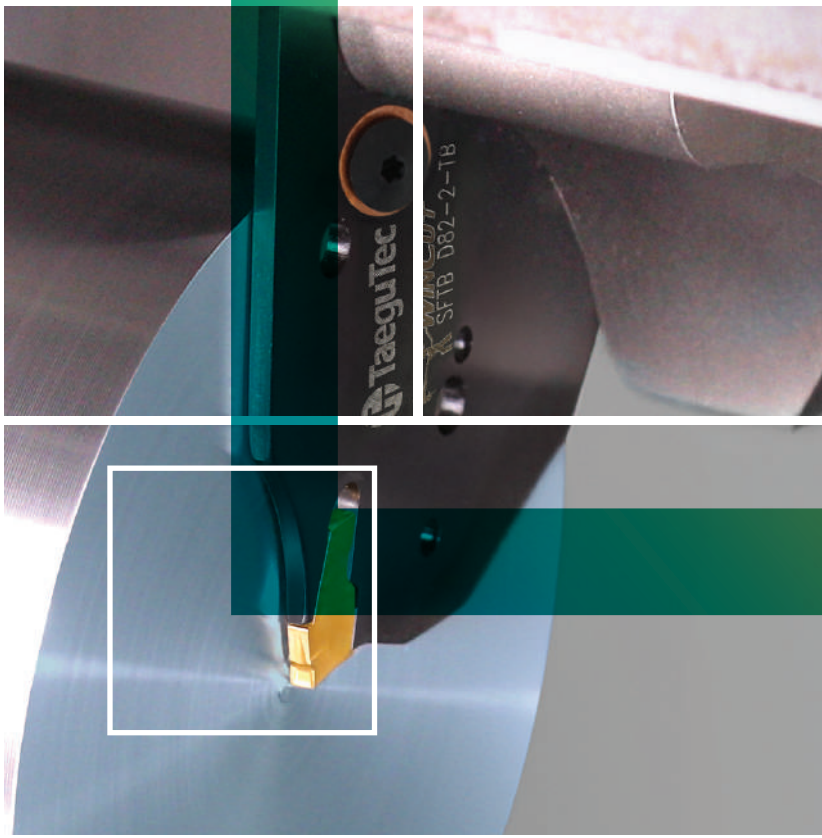
PARTING & GROOVING



PARTING & GROOVING

contents

Tool Selection Guide	
Holder Selection Guide	B4
Insert Selection Guide	B18
Grades	B26
Chip Breakers	B28
Toolholders	
WIN-CUT	B34
CUT-SFEED	B40
T-CLAMP	B44
WIN-SWISS	B66
FACE-RUSH	B103
T-GROOVE	B105
TOP-CUT	B106
QUAD-RUSH	B110
QUAD-I-RUSH	B124
WIN-I-GROOVE	B126
MINI-I-RUSH	B127
COOL-BURST Accessories	B128

Guide to Icons


Holder Page


Sleeve Page


Insert Page



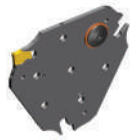
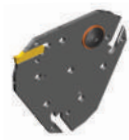
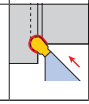
Cutting Condition Page



Inserts and Solid Bars	
Insert Designation System	B132
CUT-SFEED	B134
T-CLAMP	B136
VT-CLAMP	B141
FACE-RUSH	B155
T-GROOVE	B156
QUAD-RUSH Designation System	B157
QUAD-RUSH	B158
QUAD-I-RUSH	B172
WIN-I-GROOVE	B173
MINI-I-RUSH	B175
TOP-CUT Designation System	B176
TOP-CUT	B177
TOP-MICRO Designation System	B183
TOP-MICRO	B184
Tailor-made Designation System	B197
Tailor-made Insert	B198
Technical Data	B202
Recommended Cutting Conditions	B203

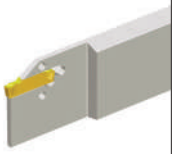
Tool Selection Guide

Parting, Grooving and Turning holders

Series				MINCUT		CUTSPEED	
				COOLBURST SFTB SFTB-TB	COOLBURST TGTB TGTB-TB	COOLBURST SFGB SFGB-TB	COOLBURST SFER/L SFER/L-TB
							
Pages				B34-B35	B36-B37	B40-B41	B42-B43
Application	External	Parting		●	●	●	●
		Grooving		●	●	●	●
		Turning					
	Facing	Grooving					
		Turning					
	Internal	Grooving					
		Turning					
	Profiling						
	Threading						
	Undercut						

Tool Selection Guide

Parting, Grooving and Turning holders

T-CLAMP				
COOLBURST **TGB** **TGB-TB**	**TGBR/L**	**TGBR/L-D..R/L** **TGBR/L-TI-D..R/L**	**TGBFR/L**	**TGER/L**
				
B44-B45	B46	B47-B48	B49	B50
●	●	●		●
●	●	●		●
			●	

● Recommended, ○ Suitable

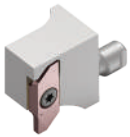
Tool Selection Guide

Parting, Grooving and Turning holders

Series				T-CLAMP		QUADRUSH	WINSWISS
				COOLBURST TCAER/L TCAER/L-TB	TCAFR/L	COOLBURST TCAQR/L TCAQR/L-TB	QE1 TTER/L QE1 TTER/L-TB
							
Pages				B54-B55	B56	B57-B58	B66-B67
Application	External	Parting		●		●	●
		Grooving		●		●	●
		Turning		●		○	●
	Facing	Grooving			●		
		Turning			●		
	Internal	Grooving					
		Turning					
	Profiling			●		○	●
	Threading					●	
	Undercut						

Tool Selection Guide

Parting, Grooving and Turning holders

WinSwiss		TopCut		HushBore
QE1 TQHR/L QE1 TQHR/L-TB	**QE1Y TQHR QE1Y TQHR-TB**	CoolBurst **QE1 TTOER/L QE1 TTOER/L-TB**	CoolBurst **QE1Y TTOER-TB**	CoolBurst **QH TTIR/L-TB**
				
B68-B69	B70	B71-B72	B73	B76
●	●	●	●	
●	●	●	●	
●	●	●	●	
				●
				●
○	○			
●	●	●	●	

● Recommended, ○ Suitable

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Tool Selection Guide

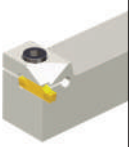
Parting, Grooving and Turning holders

Series				T-CLAMP				
				TTER/L-SH	COOLBURST TTER/L-SH-TB	TTER/L-D	TTER/L	COOLBURST TTER/L-TB
								
Pages				B78	B79	B80-B81	B82-B83	B84
Application	External	Parting		●	●	●	●	●
		Grooving		●	●	●	●	●
		Turning		●	●	●	●	●
	Facing	Grooving						
		Turning						
	Internal	Grooving						
		Turning						
	Profiling			●	●	●	●	●
	Threading							
	Undercut							

Tool Selection Guide

Parting, Grooving and Turning holders

T-CLAMP

TTSER/L	TGFR/L	TTFR/L	TTFR/L-RN	TGFPR/L	TTFPR/L
					
B85	B86	B87	B88-B89	B90	B91
○					
●	●			●	
●	○			○	
	●	●	●	●	●
	○	●	●	○	●
○					

● Recommended, ○ Suitable

Tool Selection Guide

Parting, Grooving and Turning holders

Series				T-CLAMP			
				TGIFR/L	TTFIR/L	TTIR/L-C	COOLBURST TTIR/L TTIR/L-TB
							
Pages				B92	B93	B94	B95-B96
Application	External	Parting					
		Grooving					
		Turning					
	Facing	Grooving		●	●		
		Turning		○	●		
	Internal	Grooving				●	●
		Turning				●	●
	Profiling						
	Threading						
	Undercut						

Tool Selection Guide

Parting, Grooving and Turning holders

T-CLAMP

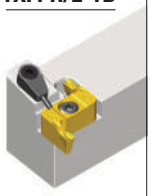
TTSIR/L	TGSIR/L	TGEUR/L	TGIUR/L	TTER/L-15A	TGIUR/L-15A
					
B97	B98	B99	B100	B101	B102
●	●				
●			○		
				●	●
		●	●		

● Recommended, ○ Suitable

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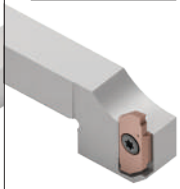
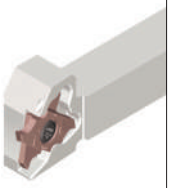
Tool Selection Guide

Parting, Grooving and Turning holders

Series				FACERUSH COOLBURST TXFR/L TXFR/L-TB	FACERUSH COOLBURST TXFPR/L TXFPR/L-TB	TGROOVE TTLEN	TOPCUT TT0ER/L-A
							
Pages				B103	B104	B105	B106
Application	External	Parting					●
		Grooving		○		●	●
		Turning		○			●
	Facing	Grooving		●	●		
		Turning		●	●		
	Internal	Grooving					
		Turning					
	Profiling						
	Threading			○			●
	Undercut						

Tool Selection Guide

Parting, Grooving and Turning holders

TOPCUT			QUADRUSH	
COOLBURST TTOER/L-TB	TTOER-S TTOEL-SB	COOLBURST TMY-TTOER TMY-TTOER-TB	COOLBURST TQHR/L-20 TQHR/L-20-TB	COOLBURST TQHR/L-20-Q TQHR/L-20-TB-Q
				
B107	B108	B109	B110	B111
●	●	●	●	●
●	●	●	●	●
●	●	●	○	○
			○	○
●	●	●	●	●

● Recommended, ○ Suitable

Tool Selection Guide

Parting, Grooving and Turning holders

Series				QUADRUSH			
				COOLBURST TMS-TQHL TMS-TQHL-TB	COOLBURST TMY TQHR TMY TQHR-TB	TQBR/L-27	COOLBURST TQHR/L-27 TQHR/L-27-TB
							
Pages				B112-B113	B114-B115	B116	B117-B118
Application	External	Parting			●	●	●
		Grooving		●	●	●	●
		Turning		○	○		○
	Facing	Grooving					
		Turning					
	Internal	Grooving					
		Turning					
	Profiling			○	○		○
	Threading			○	●		●
	Undercut						

Tool Selection Guide

Parting, Grooving and Turning holders

QUADRUSH				
TQHPR/L-27	**TQHR/L-34**	**TQHR/L-34-TB**	**TQHPR/L-34**	**TQHR/L...EW-TB**
				
B119	B120	B121	B122	B123
●	●	●	●	
●	●	●	●	●
○	○	○	○	
○	○	○	○	
●				

● Recommended, ○ Suitable

Tool Selection Guide

Parting, Grooving and Turning holders

Series				QUADIRUSH TQHIR/L	QUADIRUSH COOLBURST TMS-TQHIL TMS-TQHIL-TB	WINIGROOVE TMIHR/L TMIHR/L-C	MINIRUSH TMIHN TMIHN-C
							
Pages				B124	B125	B126	B127
Application	External	Parting					
		Grooving			●		
		Turning			○		
	Facing	Grooving					
		Turning					
	Internal	Grooving		●		●	●
		Turning		○		●	○
	Profiling						
	Threading					●	
	Undercut						

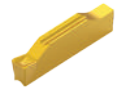
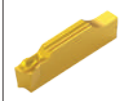
Tool Selection Guide

Internal application by diameter

Internal diameter (mm)	TOPMICRO MIN	WINGROOVE TMIHR/L	MINIRUSH TMIHN	TOPCAP TCAP	T-CLAMP TTSIR/L	QUADRUSH TQHIR/L	T-CLAMP TTIR/L
							
0							
0.6							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
12.5							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

Tool Selection Guide

Parting, Grooving and Turning Inserts

Series				CUTSPEED SFC	CUTSPEED SFJ	T-CLAMP TSC	T-CLAMP TSJ	T-CLAMP TDC
								
Material				P M K N S	P M N S	P M K N S	P M N S	P M K N S
Pages				B134	B135	B136	B137	B138
Application	External	Parting		●	●	●	●	●
		Grooving		●	●	●	●	●
		Turning						
	Facing	Grooving				○	○	○
		Turning						
	Internal	Grooving				○	○	○
		Turning						
	Profiling							
	Threading							
	Undercut							

Tool Selection Guide

Parting, Grooving and Turning Inserts

T-CLAMP				VT-CLAMP	T-CLAMP	
TDJ	**TDUF**	**TDV**	**TDCT**	**TDMV**	**TDXU**	**TDXT**
						
P M N S	P	P M N S	P M K N S	P M K N S	P M K N S	P M K N S
B139	B140	B140	B141	B141	B142	B142
●	●	●	●	○	○	○
●	●	●	●	○	●	●
			●	●	●	●
○	○	○	●		●	●
			●		●	●
○	○	○	●		●	●
			●	●	●	●
				●		
				●		

● Recommended, ○ Suitable

Tool Selection Guide

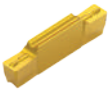
Parting, Grooving and Turning Inserts

Series				T-CLAMP				
				TDXY	**TDT**	**TDT - E**	**TDT - E** (Round Type)	**TDT - RU** (Round Type)
								
Material				P M K S	P M K N S	P M K N S	P M K N S	P M K S
Pages				B143	B144	B144-B145	B146	B146
Application	External	Parting		○		○		
		Grooving		●	●	●	●	●
		Turning		●		●	●	●
	Facing	Grooving		●		○		
		Turning		●		○		
	Internal	Grooving		●		○		
		Turning		●		○		
	Profiling						●	●
	Threading							
	Undercut						●	●

Tool Selection Guide

Parting, Grooving and Turning Inserts

T-CLAMP

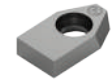
TDT - RS (Round Type)	TST - RS (Round Type)	TDA	TDIT	TDIM	TDIP	TSG (CBN)
						
P M K N S	P M K N S	N	P M K N S	P M K N	P M K N S	H
B147	B147	B148	B149	B150	B151	B152
●	●	○		●	●	●
●	●	●		○	○	●
				○	○	
			●	●	●	
			●	●	●	
●	●	●			○	●
●	●	○	○			

● Recommended, ○ Suitable

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Tool Selection Guide

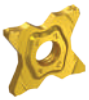
Parting, Grooving and Turning Inserts

Series			T-CLAMP		FACERUSH		TGROOVE
			TSG-HF (CBN) HIGH FEED	TSA (PCD)	TDFX	TDGX	TGUX
							
Material			H	N	P M K N S	P M N S	P M K N
Pages			B153	B154	B155	B155	B156
Application	External	Parting					
		Grooving	○		○		●
		Turning	●		○		
	Facing	Grooving			●		
		Turning			●		
	Internal	Grooving					
		Turning					
	Profiling			●			
	Threading					●	
	Undercut						

Tool Selection Guide

Parting, Grooving and Turning Inserts

QUADRUSH

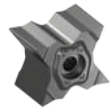
TQJ 20	TQS 20	TQS 20-MT	TQJ 27	TQC 27	TQS 27	TQS 27-MT TQS 27-WT	TQS 27-ISO TQS 27-UN TQS 27-W
							
P M N S	P M K N S	P M N S	P M N S	P M K N S	P M K N S	P M N S	P M N S
B158	B159	B159	B160-B162	B163-B164	B165	B166	B167-B168
●	●		●	●	●		
●	●		●	●	●		
●	●		●	●	●		
	○		○	○	○		
		●				●	●

● Recommended, ○ Suitable

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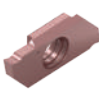
Tool Selection Guide

Parting, Grooving and Turning Inserts

Series				QUADRUSH			QUADFEED	WINGROOVE
				TQBS 27	TQC 34	TQS 34	TQIS 14	TMIR/L
								
Material				P M K N	P M K N S	P M K N S	P M K N S	P M K N S
Pages				B168	B169-B170	B171	B172	B173
Application	External	Parting			●	●		
		Grooving		●	●	●	○	
		Turning			●	●		
	Facing	Grooving						
		Turning						
	Internal	Grooving					●	●
		Turning					○	●
	Profiling				○	○		
	Threading							
	Undercut							

Tool Selection Guide

Parting, Grooving and Turning Inserts

WINGROOVE		MINIRUSH	TOPCUT				TOPMICRO
TMIR/L-T	**TMIR/L-MT**	**TMIS 8**	**TPR/L...B TPR/L...N**	**TBR/L...B TBR/L...N TBR/L...P**	**TTR-MT**	**TPR/L...A TPR/L...H**	**MIN.**
							
P M K N S	P M K N S	P M K N S	P M N S	P M K N S	P M K N S	N	P M N S
B174	B174	B175	B177-B178	B179-B180	B180	B181-B182	B186-B196
			●				
			●			●	
			○	●		●	
		●					●
●		○					●
				●			●
	●				●		●

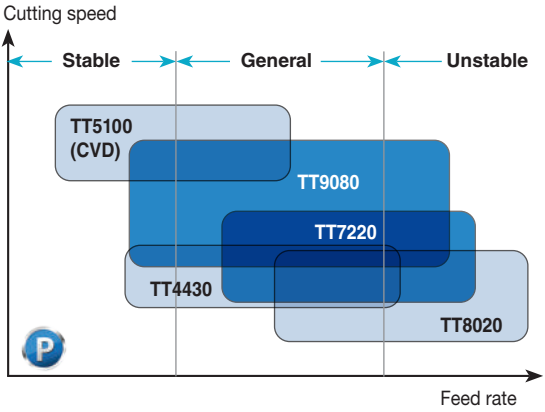
● Recommended, ○ Suitable

TaeguTec
Member IMC Group

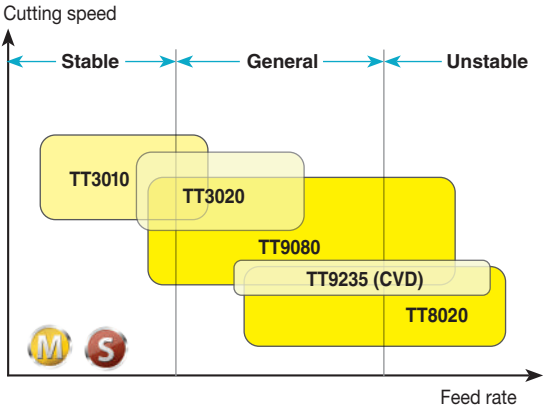
Grades

Selection guide for parting and grooving grades

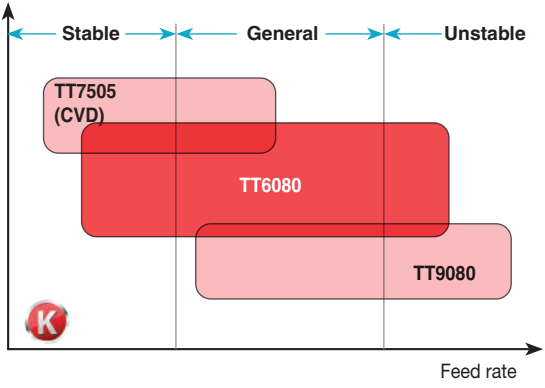
For steel (PVD & CVD coated)



For stainless steel & super alloy (PVD & CVD coated)



For cast iron (PVD & CVD coated)



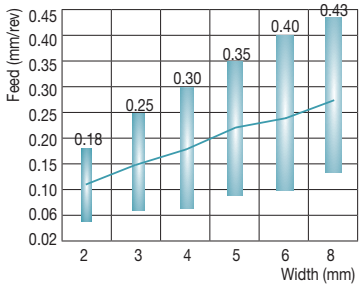
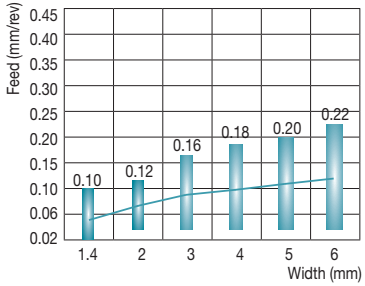
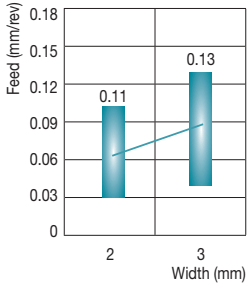
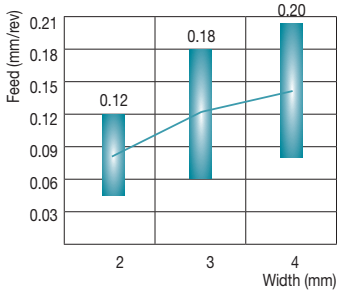
Grades

Parting and grooving grades

Grades	ISO	Characteristics & applications
TT7505 CVD coated	K05 – K15	• High speed grooving and turning of gray and ductile cast iron
TT6080 PVD coated	K05 – K25 H05 – H25	• General machining of gray and ductile cast iron for grooving and turning • Finish and medium machining of hardened steel
TT3010 PVD coated	S05 – S20	• High speed grooving and turning of heat-resistant super alloy
TT3020 PVD coated	S10 – S30	• General machining of heat resistant super alloy
TT5100 CVD coated	P20 – P35 M20 – M35	• Medium grooving and turning of mild steel, low carbon steel and low carbon alloy steel • Low to medium speed machining of stainless steel
TT9080 PVD coated	P20 – P40 M20 – M40 S20 – S40	• General machining of steel, stainless steel and heat-resistant super alloy for parting, grooving and turning • Continuous cut and medium cutting speed
TT4430 PVD coated	P20 – P40 M20 – M40 S20 – S40	• General machining of steel, stainless steel and heat-resistant super alloy for small parts • Grooving, turning and parting
TT9235 CVD coated	M25 – M40 S25 – S40	• Rough and high cutting speed for parting on stainless steel
TT7220 PVD coated	P25 – P45 M25 – M45	• Rough machining of steel and stainless steel for parting, grooving and turning
TT8020 PVD coated	P30 – P50 M30 – M50 S30 – S50	• Low speed or rough and interrupted machining of steel, stainless steel and heat-resistant super alloy for parting, grooving and turning
CT3000 Cermet	P10 – P20 M10 – M20 K10 – K20	• Good surface finish turning of steel, stainless steel and cast iron
K10 Carbide	K05 – K15 N05 – N15 S05 – S15	• General machining of cast iron, aluminum alloys, non-ferrous materials and titanum alloys
TB2015 CBN	H10 – H20	• Continuous and light interrupted machining of hardened steel
TD1020 PCD	N10 – N25	• General machining of aluminum alloys

Chip Breakers

Parting and grooving

Chip breakers	Applications and features
C-Type 	 • 1st choice for general use in parting and deep grooving • Stable cutting edge & interrupted cut • Medium-to-high feed • For carbon steel, alloy steel and cast iron • For hard materials
J-Type 	 • 1st choice for soft materials in parting and deep grooving • Sharp cutting edge & low cutting force • Low-to-medium feed • Tubes, small diameter and thin-wall parts • For stainless steel & low carbon steel • For heat resistant super alloy
UF-Type 	 • Narrow chip breaker • Good chip control in low feed of ductile materials and low carbon steel • For Cr-Ni alloy steel and bearing steel
V-Type 	 • Sharp cutting edge and wide groove with minimized burrs • For tubes of small size workpieces • For stainless steel and mild steel

Chip Breakers

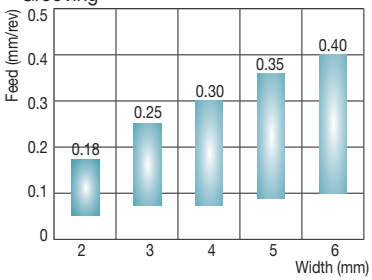
Groove-Turn

Chip breakers	Applications and features

CT-Type

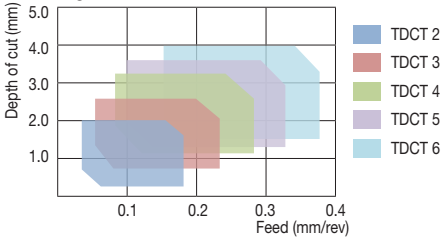


■ Grooving



- Stable cutting edge in grooving and parting
- Covers C-type chip breaker applications including a built-in chip breaker for turning applications
- Medium-to-high feed range
- Steel, cast iron, stainless steel and heat resistant alloys

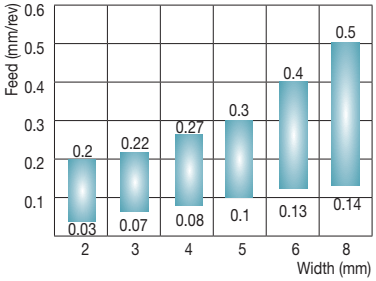
■ Turning



XU-Type

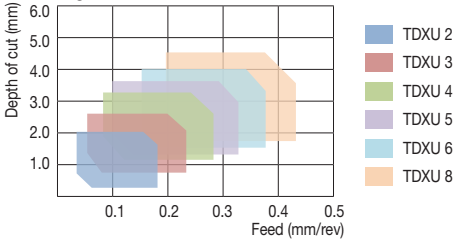


■ Grooving



- 1st choice for general use in groove-turn
- Multi functional chip breaker for external, internal and face machining
- Low cutting force and good chip control
- Medium-to-high feed grooving, low-to-medium feed turning
- Steel, stainless steel and heat resistant alloy

■ Turning



Chip Breakers

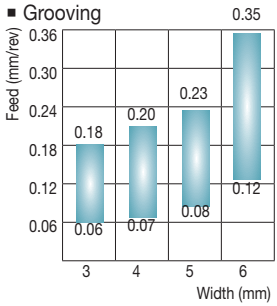
Groove-Turn

Chip breakers	Applications and features

XY-Type

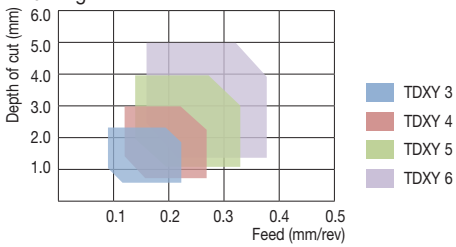


■ Grooving



- For external and internal grooving as well as turning applications
- Good chip control when external face grooving and turning
- Flat bottom surface machining
- Low-to-medium feed grooving, medium-to-high feed turning
- Ideal for steel, stainless steel, cast iron and super alloys machining

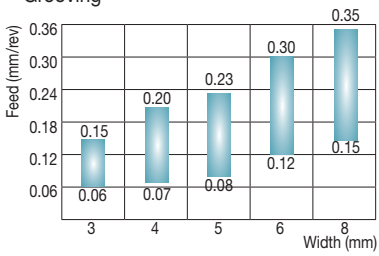
■ Turning



T-Type

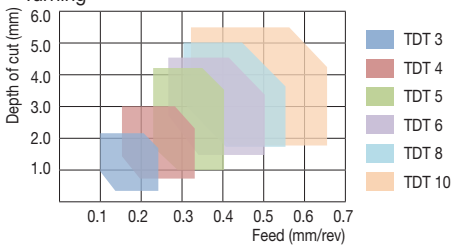


■ Grooving



- 1st choice for side turning of cast iron
- Turning and grooving with various geometry
- Steel and cast iron
- High feed rate

■ Turning



Chip Breakers

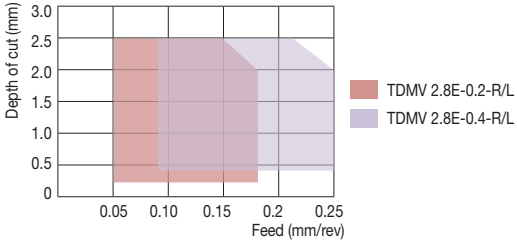
Groove-Turn

Chip breakers	Applications and features

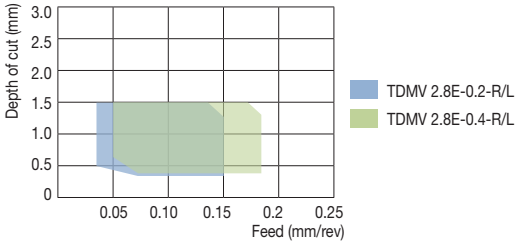
MV-Type



■ Backward turning



■ Forward turning



- Versatile chip breaker: forward/backward turning, profiling, end facing and parting
- Optimized chip breaker design for bi-directional turning enables superior chip control
- Insert's 2.8 mm edge width allows for a variety of tasks in tight spaces
- Roughing and finishing capable with a cutting depth of up to 2.5 mm
- Available in 4 insert types: R/L-handed, Corner R0.2, R0.4
- Multi-application machining reduces tool cost and equipment downtime while maximizing productivity gains
- Compatible with standard holders, maximizing performance when using internal high-pressure feed-type holders

Chip Breakers

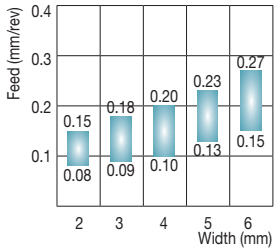
Groove-Turn

Chip breakers	Applications and features

RS-Type

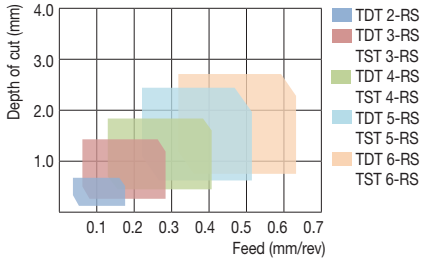


■ Grooving



- 1st choice for medium to finishing machining of heat-resistant super alloys
- For external and internal profiling, turning and grooving applications
- Low cutting force and good surface finish due to the sharp edge
- Precision machining and excellent repeatability

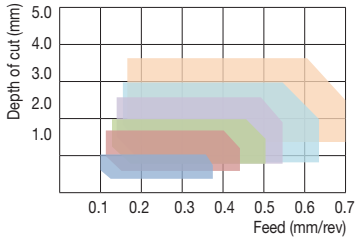
■ Turning



RU-Type

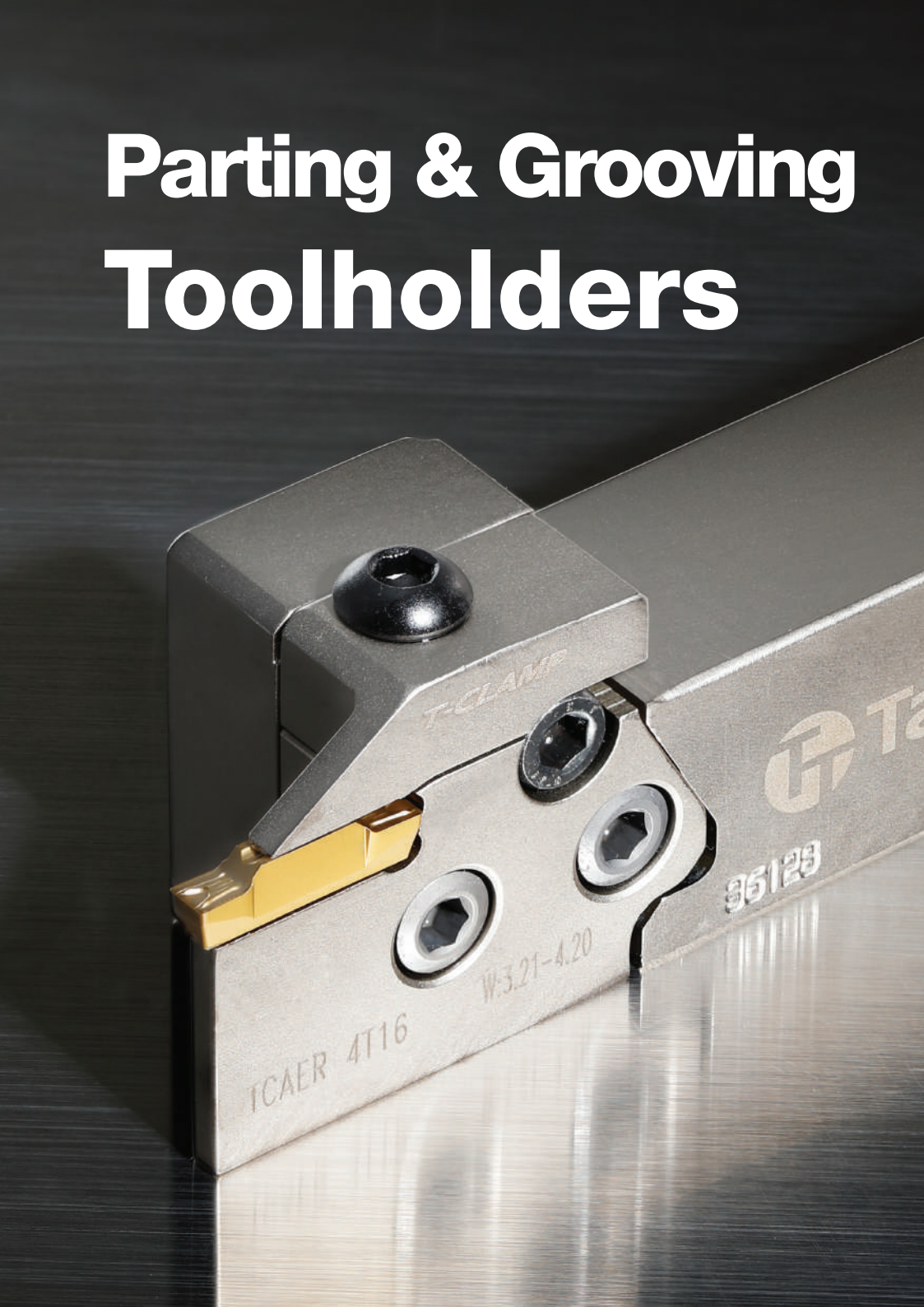


■ Turning



- Profiling in steel and cast iron
- Tough cutting edge
- Good chip control even in low depth
- Good surface finish
- High feed rate and low depth of cut

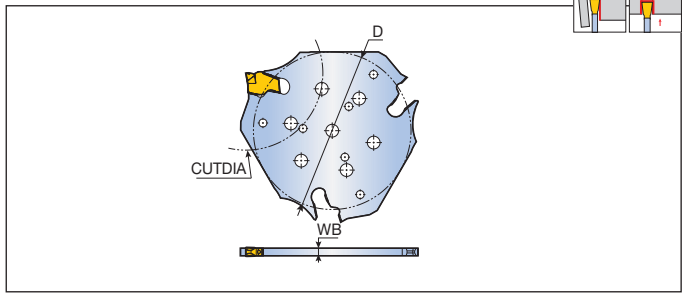
Parting & Grooving Toolholders



SFTB

Triangular blades for parting and deep grooving





Designation		Insert seat size	Dimension (mm)			Block	Insert
			D	WB	CUTDIA		
SFTB	**D52-2**	2	53.2	1.8	52	THTBR/L-TB	SFC
	D52-3	3	53.2	2.5	52	THTBR-L-TB	SFJ
	D52-4	4	53.2	3.2	52	THTBL-R-TB	B134-B135
	D82-2	2	64.3	1.8	82	B38-B39	
	D82-3	3	64.3	2.5	82		
	D82-4	4	64.3	3.2	82		
	D120-2	2	85.5	1.8	120		
	D120-3	3	85.5	2.5	120		
	D120-4	4	85.5	3.2	120		
	D120-5	5	85.5	4.0	120		

Spare parts

Designation	Extractor			
				
SFTB...-2/3/4	ETG 3-4			
SFTB...-5	ETG 5-8-SF			

▸ Extractor should be ordered separately

SFTB-TB

Triangular blades for parting and deep grooving with high pressure coolant



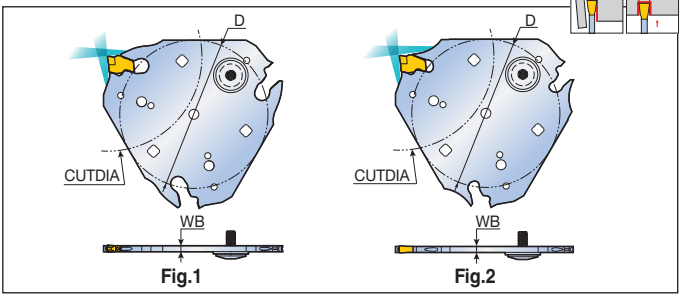


Fig.1 Fig.2

Designation		Insert seat size	Dimension (mm)			Fig.	Block	Insert
			D	WB	CUTDIA			
SFTB	**D52-2-TB**	2	53.2	1.8	52	1	THTBR/L-TB	SFC
	D52-3-TB	3	53.2	2.5	52	1	THTBR-L-TB	SFJ
	D52-4-TB	4	53.2	3.2	52	2	THTBL-R-TB	B134-B135
	D82-2-TB	2	64.3	1.8	82	1	B38-B39	
	D82-3-TB	3	64.3	2.5	82	1		
	D82-4-TB	4	64.3	3.2	82	2		
	D120-2-TB	2	85.5	1.8	120	1		
	D120-3-TB	3	85.5	2.5	120	1		
	D120-4-TB	4	85.5	3.2	120	2		
	D120-5-TB	5	85.5	4.0	120	2		

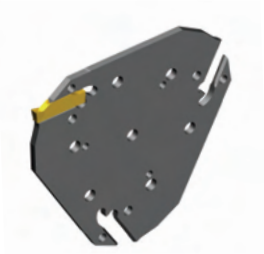
Spare parts

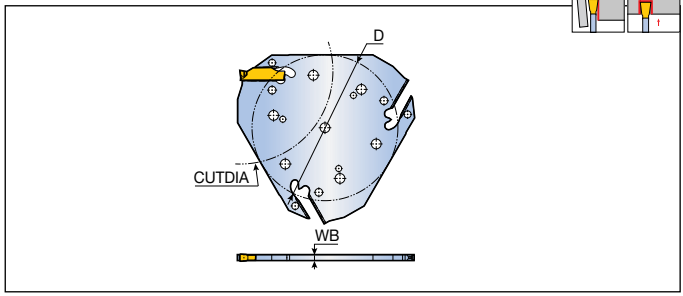
Designation	Sealing screw set	Extractor		
SFTB..-2/3/4-TB	SGC 340-Q	ETG 3-4		
SFTB..-5-TB	SGC 340-Q	ETG 5-8-SF		

▸ Extractor should be ordered separately

TGTB

Triangular blades for parting and deep grooving





Designation		Insert seat size	Dimension (mm)			Block	Insert
			D	WB	CUTDIA		
TGTB	**D52-2**	2	53.2	1.8	52	THTBR/L-TB	TDC/J/V/UF
	D52-3	3	53.2	2.5	52	THTBR-L-TB	TSC/J
	D52-4	4	53.2	3.2	52	THTBL-R-TB	TDCT/XU/XY/XT/T
	D82-2	2	64.3	1.8	82	B38-B39	B136-B147
	D82-3	3	64.3	2.5	82		
	D82-4	4	64.3	3.2	82		
	D120-4	4	85.5	3.2	120		
	D120-5	5	85.5	4.0	120		

Spare parts

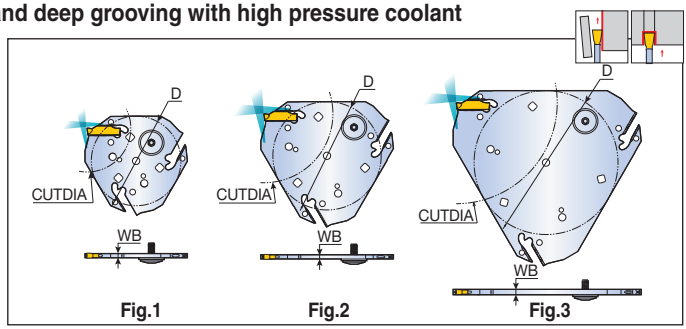
Designation	Extractor			
				
TGTB	EDG 33B			

▸ Extractor should be ordered separately

TGTB-TB

Triangular blades for parting and deep grooving with high pressure coolant





Designation		Insert seat size	Dimension (mm)			Fig.	Block	Insert
			D	WB	CUTDIA			
TGTB	**D52-2-TB**	2	53.2	1.8	52	1	THTBR/L-TB	TDC/J/V/UF
	D52-3-TB	3	53.2	2.5	52	1	THTBR-L-TB	TSC/J
	D52-4-TB	4	53.2	3.2	52	1	THTBL-R-TB	TDCT/XU/XY/XT/T
	D82-2-TB	2	64.3	1.8	82	2	B38-B39	B136-B147
	D82-3-TB	3	64.3	2.5	82	2		
	D82-4-TB	4	64.3	3.2	82	2		
	D82-5-TB	5	64.3	4.0	82	2		
	D120-4-TB	4	85.5	3.2	120	3		
	D120-5-TB	5	85.5	4.0	120	3		

Spare parts

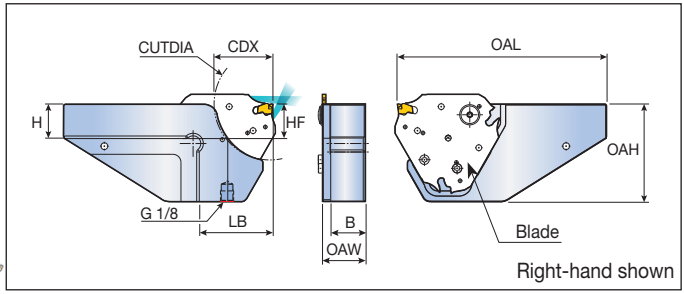
Designation	Sealing screw set	Extractor		
				
TGTB-TB	SGC 340-Q	EDG 33B		

▸ Extractor should be ordered separately

THTBR/L-TB

Blocks for triangular blade





Designation		Dimension (mm)								Blade
		H	HF	B	OAL	OAH	OAW	LB	CUTDIA	
THTBR/L	**20-D52-TB**	20	20	17.5	125	52	23.5	40	52	SFTB/SFTB-TB TGTB/TGTB-TB B34-B37
	25-D52-TB	25	25	22.5	135	52	28.5	40	52	
	20-D82-TB	20	20	17.5	140	72	23.5	51.5	82	
	25-D82-TB	25	25	22.5	150	72	28.5	51.5	82	
	25-D120-TB	25	25	22.5	165	95	28.5	67	120	
	32-D120-TB	32	32	29.0	165	95	35.0	67	120	

▸ Please refer to B128-B130 page for COOL-BURST accessories

Table determining depth of cut for grooving as function of workpiece diameter

Designation		CUTDIA										
CDX		5	6	7	8	9	10	11	12	13	14	15
SFTB/TGTB	**D52**	240	164	137	118	105	94	86	80	74	70	66
	D82	N.L.	N.L.	3686	1126	734	524	408	335	284	247	219
SFTB	**D120**	N.L.	N.L.	7752	2581	1548	1105	860	704	597	518	458

▸ N.L.: No limit

Designation		CUTDIA										
CDX		16	17	18	19	20	21	22	23	24	25	26
SFTB/TGTB	**D52**	64	61	59	57	56	55	54	53	52	52	52
	D82	197	180	166	154	144	135	128	122	116	112	108
SFTB	**D120**	411	373	342	316	294	276	259	245	233	222	212

Designation		CUTDIA														
CDX		27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
SFTB/TGTB	**D82**	104	101	98	96	93	91	90	88	87	86	85	84	83	82	82
SFTB	**D120**	203	195	188	182	176	171	166	162	158	154	151	148	145	143	140

Designation		CUTDIA													
CDX		42	43	44	45	46	47	48	49	51	52	55	54-53	57-56	58-60
SFTB	**D120**	136	134	133	131	130	128	127	126	125	124	122	123	121	120

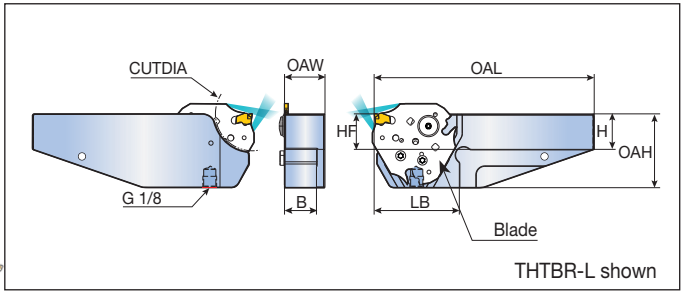
Spare parts

Designation	Locating pin	Screw	O-Ring	Wrench
				
THTBR/L-TB	SIDE THRUST PIN 3MM	SH M4x0.7x10-TX	O-RING ID10x2	T 20

THTBR-L-TB / THTBL-R-TB

Blocks for triangular blade for machining next to spindle





THTBR-L shown

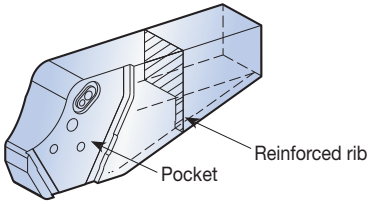
Designation		Dimension (mm)								Blade
		H	HF	B	OAL	OAH	OAW	LB	CUTDIA	
THTBR	**25-L-D52-TB**	25	25	22.5	155	52	28.5	60	52	SFTB/SFTB-TB TGTB/TGTB-TB B34-B37
	25-L-D82-TB	25	25	22.5	176.5	72	28.5	78	82	
	25-L-D120-TB	25	25	22.5	211	95	28.5	113	120	
THTBL	**25-R-D52-TB**	25	25	22.5	155	52	28.5	60	52	
	25-R-D82-TB	25	25	22.5	176.5	72	28.5	78	82	
	25-R-D120-TB	25	25	22.5	211	95	28.5	113	120	

▸ Please refer to B128-B130 page for COOL-BURST accessories

Spare parts

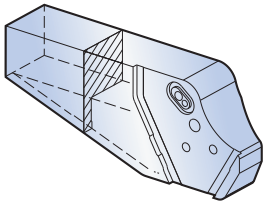
Designation	Locating pin	Screw	O-Ring	Wrench
THTBR/L-R/L-TB	SIDE THRUST PIN 3MM	SH M4x0.7x10-TX	O-RING ID10x2	T 20

THTB**R**-TB



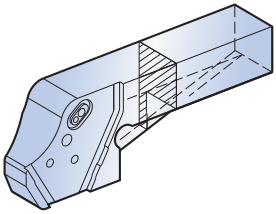
R-Pocket & rib orientation

THTB**L**-TB



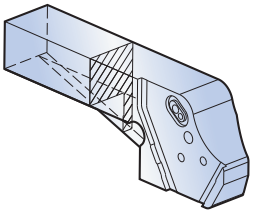
L-Pocket & rib orientation

THTB**R**-**L**-TB



R-Pocket orientation / **L**-Rib orientation

THTB**L**-**R**-TB



L-Pocket orientation / **R**-Rib orientation

SFGB

Blades for parting and deep grooving



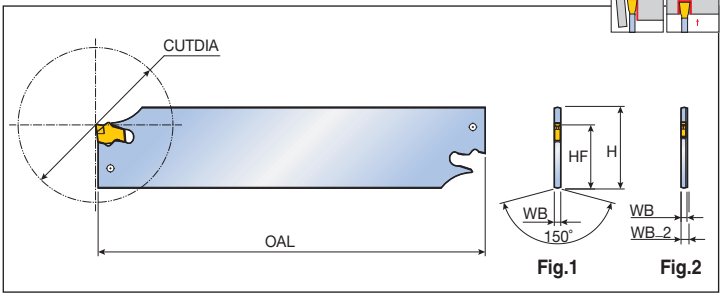


Fig.1 Fig.2

Designation	Insert seat size	Dimension (mm)						Fig.	Block	Insert
		H	HF	OAL	WB	WB_2	CUTDIA			
SFGB 26-1.4	1.4	26	21.4	150	1.1	2.5	30	2	TTBN/U..	SFC
26-1.6	1.6	26	21.4	150	1.3	2.5	35	2		SFJ
26-2	2	26	21.4	150	1.8	2.5	50	2	B51-B52	B134-
26-3	3	26	21.4	150	2.5	-	75	1		B135
26-4	4	26	21.4	150	3.4	-	80	1		
26-5	5	26	21.4	150	4.0	-	80	1		
32-1.4	1.4	32	24.8	150	1.1	2.5	30	2		
32-1.6	1.6	32	24.8	150	1.3	2.5	38	2		
32-2	2	32	24.8	150	1.8	2.5	50	2		
32-3	3	32	24.8	150	2.5	-	100	1		
32-4	4	32	24.9	150	3.4	-	100	1		
32-5	5	32	24.9	150	4.0	-	120	1		
32-6	6	32	24.9	150	5.2	-	120	1		
45-5	5	45	38.1	225	4.0	-	160	1		
45-6	6	45	38.1	225	5.2	-	160	1		

Spare parts

Designation	Extractor			
				
SFGB...-1.4	ESG-SLM			
SFGB...-1.6/2/3/4	ETG 3-4			
SFGB...-5/6	ETG 5-8-SF			

▸ Extractor should be ordered separately

SFGB-TB

Blades for parting and deep grooving with high pressure coolant



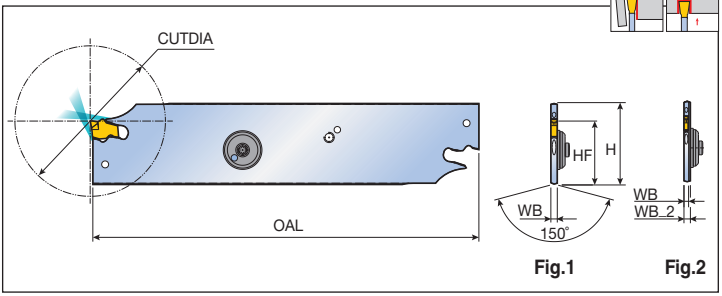


Fig.1 Fig.2

Designation		Insert seat size	Dimension (mm)						Fig.	Block	Insert
			H	HF	OAL	WB	WB_2	CUTDIA			
SFGB	**26-2-TB**	2	26	21.4	150	1.8	2.5	50	2	TTBU..-TB B53	SFC SFJ B134-B135
	26-3-TB	3	26	21.4	150	2.5	-	75	1		
	26-4-TB	4	26	21.4	150	3.4	-	75	1		
	32-2-TB	2	32	24.8	150	1.8	2.5	50	2		
	32-3-TB	3	32	24.8	150	2.5	-	90	1		
	32-4-TB	4	32	24.9	150	3.4	-	90	1		
	32-5-TB	5	32	24.9	150	4.0	-	110	1		
	32-6-TB	6	32	24.9	150	5.2	-	110	1		

Spare parts

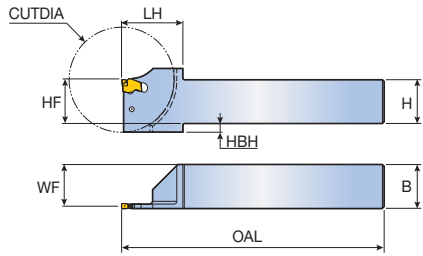
Designation	Sealing screw set	Extractor		
SFGB...2/3/4-TB	SGC 340	ETG 3-4		
SFGB...5/6-TB	SGC 340	ETG 5-8-SF		

▸ Extractor should be ordered separately

SFER/L

Holders for parting and deep grooving





Designation	Insert seat size	Dimension (mm)										Insert
		H	HF	B	OAL	LH	WF	WB	HBH	OAH	CUTDIA	
SFER/L 1010-1.4T12-D24	1.4	10	10	10	125	16	9.5	1.1	2	15	24	SFC
1212-1.4T12-D24	1.4	12	12	12	125	16	11.5	1.1	-	15	24	SFJ
1616-1.4T16-D32	1.4	16	16	16	125	21	15.5	1.1	-	19	32	
2020-1.6T22-D45	1.6	20	20	20	150	29.5	19.4	1.3	2.5	29	45	B134-
2525-2T25-D50	2	25	25	25	150	32	24.1	1.8	-	31.5	50	B135
2525-3T30-D60	3	25	25	25	150	35	23.8	2.4	5	36.5	60	
2525-4T32-D65	4	25	25	25	150	35	23.4	3.2	5	36.5	65	
2525-5T38-D76	5	25	25	25	150	36	23.0	4.0	5	36.5	76	
2525-6T38-D76	6	25	25	25	150	36	22.4	5.2	5	36.5	76	

Spare parts

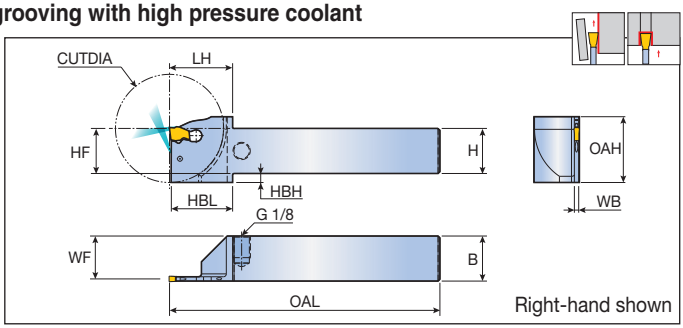
Designation	Extractor		
			
SFER/L...D24/D32	ESG-SLM		
SFER/L...D45/D50/D60/D65	ETG 3-4		
SFER/L...D76	ETG 5-8-SF		

▸ Extractor should be ordered separately

SFER/L-TB

Holders for parting and deep grooving with high pressure coolant





Designation	Insert seat size	Dimension (mm)										Insert
		H	HF	B	OAL	LH	WF	WB	HBH	OAH	CUTDIA	
SFER/L 2525-2T25-D50-TB	2	25	25	25	150	32	24.1	1.8	-	31.5	50	SFC
2525-3T30-D60-TB	3	25	25	25	150	35	23.8	2.4	5	36.5	60	SFJ
2525-4T30-D60-TB	4	25	25	25	150	35	23.4	3.2	5	36.5	60	
2525-5T38-D76-TB	5	25	25	25	150	36	23	4.0	5	36.5	76	B134-
2525-6T38-D76-TB	6	25	25	25	150	36	22.4	5.2	5	36.5	76	B135

▸ Please refer to B128-B130 page for COOL-BURST accessories

Spare parts

Designation	Plug	Wrench	Extractor	
SFER/L...D50/D60-TB	PLG G1/8-L6.5	L-W 5	ETG 3-4	
SFER/L...D76-TB	PLG G1/8-L6.5	L-W 5	ETG 5-8-SF	

▸ Extractor should be ordered separately

TGB

T-CLAMP PARTING & GROOVING

Blades for parting and deep grooving



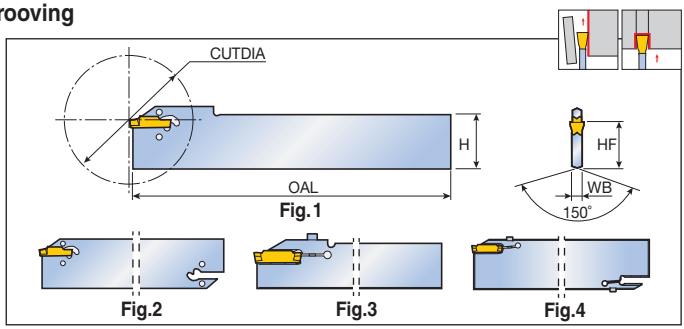


Fig.1 Fig.2 Fig.3 Fig.4

Designation		Insert seat size	Dimension (mm) H	HF	OAL	WB	CUTDIA	Fig.	Block	Insert
TGB	**26-1.4S**(1)	1*	26	21.4	150	1.0(2)	26	1	TTBN/U..-26	TDC/J/V/UF
	26-2S(1)	2	26	21.4	150	1.8(2)	40	1	TTBN/U..-26	TSC/J
	26-3S(1)	3	26	21.4	150	2.4	50	1	TTBN/U..-26	TDCT/XU/XY/XT/T
	26-4S(1)	4	26	21.4	150	3.2	80	1	TTBN/U..-26	B136-B147
	32-1.4	1*	32	24.9	150	1.0(2)	26	2	TTBN/U..-32	
	32-2	2	32	24.9	150	1.8(2)	50	2	TTBN/U..-32	
	32-3	3	32	24.9	150	2.4	100	2	TTBN/U..-32	
	32-4	4	32	24.9	150	3.2	100	2	TTBN/U..-32	
	32-5	5	32	24.9	150	4.0	120	2	TTBN/U..-32	
	32-6	6	32	24.9	150	5.2	120	2	TTBN/U..-32	
	45-4	4	45	38.1	150	3.2	120	2	TTBN/U..-45	
	32-8S-CL(1)	8	32	24.9	150	6.2	80	3	TTBN/U..-32	
	52-8-CL	8	52	45.2	250	7.4	200	4	TTBN/U..-52	
									B51-B52	

▸ (1) Single ended blade
▸ (2) Thickness at DOC area only. Overall thickness is 2.4mm
▸ *: TDJ 1.4 insert only

Spare parts

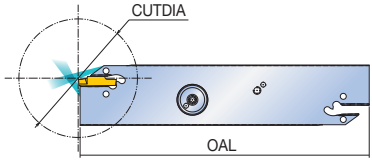
Designation	Extractor	Screw	Wrench	
TGB 26-1.4S / 32-1.4	EDG 23B	-	-	
TGB 26 / 32 / 45	EDG 33B	-	-	
TGB 32-8S-CL	-	SH M4x0.7x20-MO	L-W 3	
TGB 52-8-CL	-	SH M4x0.7x20-MO	L-W 3	

▸ Extractor should be ordered separately

TGB-TB

Blades for parting and deep grooving with high pressure coolant





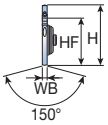


Fig.1

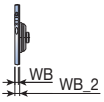


Fig.2

Designation	Insert seat size	Dimension (mm)						Fig.	Block	Insert
		H	HF	OAL	WB	WB_2	CUTDIA			
TGB 32-2-TB	2	32	24.9	150	1.8	2.5	50	2	TTBU..-TB B53	TDC/J/V/UF TSC/J TDCT/XU/XY/XT/T B136-B147
32-3-TB	3	32	24.9	150	2.5	-	90	1		
32-4-TB	4	32	24.9	150	3.2	-	90	1		
32-5-TB	5	32	24.9	150	4.0	-	110	1		
32-6-TB	6	32	24.9	150	5.2	-	110	1		

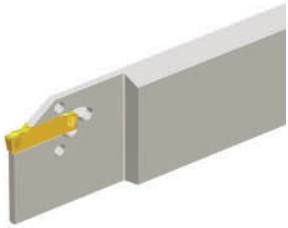
Spare parts

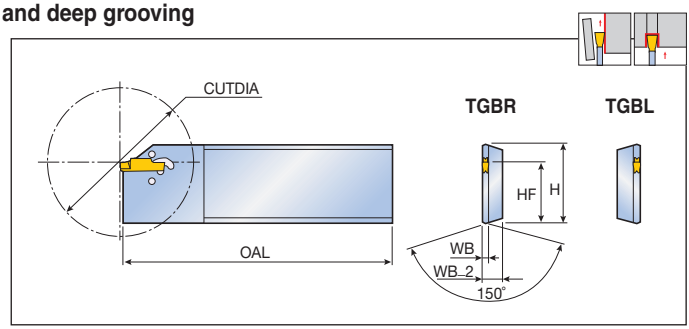
Designation	Sealing screw set	Extractor		
				
TGB-TB	SGC 340	EDG 33B		

▸ Extractor should be ordered separately

TGBR/L

Reinforced blades for parting and deep grooving





Designation		Insert seat size	Dimension (mm)						Block	Insert
			H	HF	OAL	WB	WB_2	CUTDIA		
TGBR/L	**32T24-2**	2	32	24.9	110	1.8	8.0	42	TTBN/U..32	TDC/J/V/UF
	32T33-3	3	32	24.9	110	2.4	8.0	60	B51-B52	TSC/J
	32T41-4	4	32	24.9	110	3.2	10.0	80		TDCT/XU/XY/XT/T
										B136-B147

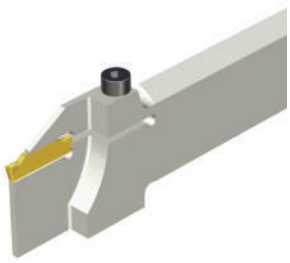
Spare parts

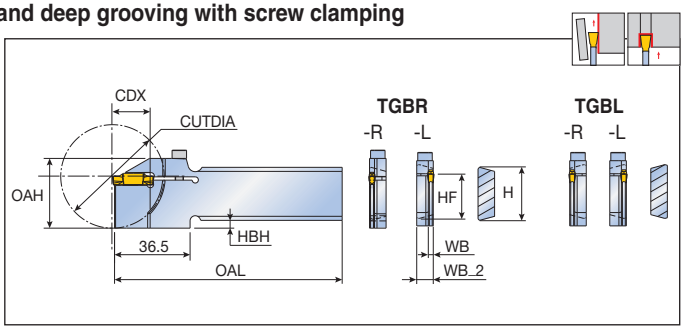
Designation	Extractor			
				
TGBR/L	EDG 33B			

▸ Extractor should be ordered separately

TGBR/L -D..R/L

Reinforced blades for parting and deep grooving with screw clamping





Designation	Insert seat size	Dimension (mm)									Block	Insert
		H	HF	OAL	OAH	WB	WB_2	HBH	CDX	CUTDIA		
TGBR 26-2-D50R (1)	2	26	21.4	110	33.7	1.8	8	3.6	18	50	TTBN/U..-26	TDC/J/V/UF
26-2-D50L (2)	2	26	21.4	110	33.7	1.8	8	3.6	18	50	TTBN/U..-26	TSC/J
TGBL 26-2-D50R (2)	2	26	21.4	110	33.7	1.8	8	3.6	18	50	TTBN/U..-26	TDCT/XU/XY/XT/T
26-2-D50L (1)	2	26	21.4	110	33.7	1.8	8	3.6	18	50	TTBN/U..-26	B136-B147
TGBR 26-3-D50R (1)	3	26	21.4	110	33.7	2.4	8	3.6	18	50	TTBN/U..-26	
26-3-D50L (2)	3	26	21.4	110	33.7	2.4	8	3.6	18	50	TTBN/U..-26	
TGBL 26-3-D50R (2)	3	26	21.4	110	33.7	2.4	8	3.6	18	50	TTBN/U..-26	
26-3-D50L (1)	3	26	21.4	110	33.7	2.4	8	3.6	18	50	TTBN/U..-26	
TGBR 32-2-D50R (3)	2	32	24.9	120	33.7	1.8	8	-	18	50	TTBN/U..-32	
32-2-D50L (2)	2	32	24.9	120	33.7	1.8	8	-	18	50	TTBN/U..-32	
TGBL 32-2-D50R (2)	2	32	24.9	120	33.7	1.8	8	-	18	50	TTBN/U..-32	
32-2-D50L (3)	2	32	24.9	120	33.7	1.8	8	-	18	50	TTBN/U..-32	
TGBR 32-3-D50R (3)	3	32	24.9	120	33.7	2.4	8	-	18	50	TTBN/U..-32	
32-3-D50L (2)	3	32	24.9	120	33.7	2.4	8	-	18	50	TTBN/U..-32	
TGBL 32-3-D50R (2)	3	32	24.9	120	33.7	2.4	8	-	18	50	TTBN/U..-32	
32-3-D50L (3)	3	32	24.9	120	33.7	2.4	8	-	18	50	TTBN/U..-32	
											B51-B52	

- (1) for Traub machines, model TNC 30, TNM 28, TNS 26/30/42/112, TNA 300, TNK 260
- (2) for Tornos Bechler, model Emco 2000/20, 2000/26
- (3) for Traub machines, model TNC 42/65, TNM 42/65, TNS 42/60/65, TNA 300/400

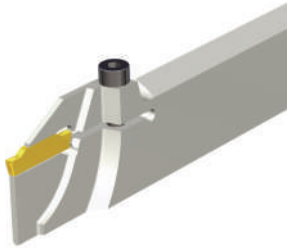
Spare parts

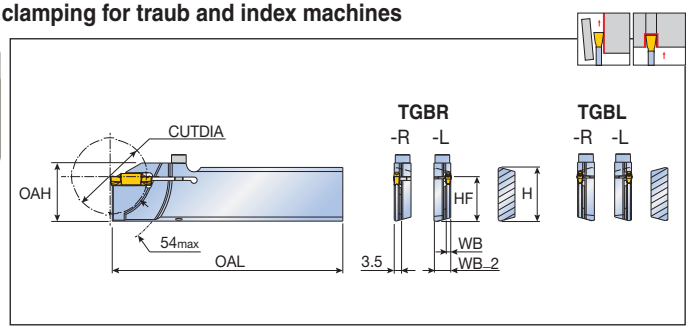
Designation	Screw	Wrench		
				
TGBR/L -DR/L	SH M4x0.7x16	L-W 3		

TGBR/L -TI-D..R/L

T-CLAMP PARTING & GROOVING

Reinforced blades with screw clamping for traub and index machines





Designation		Insert seat size	Dimension (mm)							Block	Insert
			H	HF	OAL	OAH	WB	WB_2	CUTDIA		
TGBR/L	**26-2TI-D36R**	2	26	21.4	110	27.9	1.6	8	36	TTBN/U..-26	TDC/J/V/UF
	26-2TI-D36L	2	26	21.4	110	27.9	1.6	8	36	B51-B52	TSC/J
	26-3TI-D36R	3	26	21.4	110	27.9	2.4	8	36		TDCT/XU/XY/XT/T
	26-3TI-D36L	3	26	21.4	110	27.9	2.4	8	36		B136-B147

Spare parts

Designation	Screw	Wrench		
TGBR/L -TI-DR/L	SH M4x0.7x16	L-W 3		

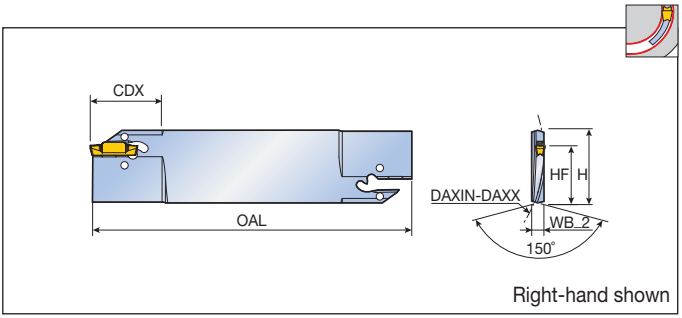
ADVANCE CUTTING TaeguTec

TGBFR/L

T-CLAMP PARTING & GROOVING

Blades for face grooving





Designation		Insert seat size	Dimension (mm)							Block	Insert
			H	HF	OAL	WB_2	CDX	DAXIN	DAXX		
TGBFR/L	**32T20-40-60-3**	3	32	24.9	150	5.2	20	40	60	TTBN/U..-32	TDC/J/T
	32T20-54-80-3	3	32	24.9	150	5.2	20	54	80	B51-B52	TDCT/XU/XT/XY
	32T25-74-120-3	3	32	24.9	150	5.2	25	74	120		TSC/J
	32T25-114-180-3	3	32	24.9	150	5.2	25	114	180		TDUF/TDV
	32T25-40-60-4	4	32	24.9	150	5.2	25	40	60		B136-B147
	32T25-50-80-4	4	32	24.9	150	5.2	25	50	80		
	32T30-70-130-4	4	32	24.9	150	5.2	30	70	130		
	32T30-120-200-4	4	32	24.9	150	5.2	30	120	200		
	32T30-200-4	4	32	24.9	150	5.2	30	200	N.L.		
	32T32-60-95-5	5	32	24.9	150	5.2	32	60	95		
	32T35-85-140-5	5	32	24.9	150	5.2	35	85	140		
	32T35-130-250-5	5	32	24.9	150	5.2	35	130	250		
	32T35-250-5	5	32	24.9	150	5.2	35	250	N.L.		
	32T32-80-180-6	6	32	24.9	150	5.2	32	80	180		
	32T38-168-300-6	6	32	24.9	150	5.2	38	168	300		
	32T38-300-6	6	32	24.9	150	5.2	38	300	N.L.		

- Please check insert min. dia for face grooving B89 page
- N.L.: No limit

Spare parts

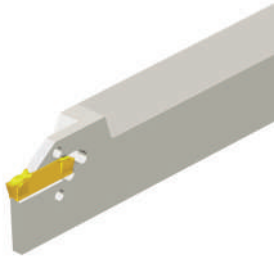
Designation	Extractor			
				
TGBFR/L	EDG 33B			

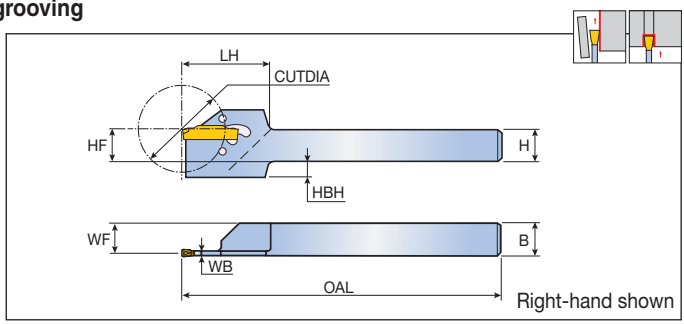
- Extractor should be ordered separately

TGER/L

T-CLAMP PARTING & GROOVING

Holders for parting and deep grooving





Designation		Insert seat size	Dimension (mm)								CUTDIA		Insert
			H	HF	B	OAL	LH	WF	WB	HBH	TDJ/C	TSJ/C	
TGER/L	**2020-1.4T10**	1*	20	20	20	125	31	19.5	1.0	-	20	20	TDC/J/V/UF
	1010-2	2	10	10	10	150	31	9.1	1.8	8	33	33	TSC/J
	1212-2	2	12	12	12	150	31	11.1	1.8	6	35	35	TDCT/XU/XY/XT/T
	1616-2	2	16	16	16	150	31	15.1	1.8	2	35	35	B136-B147
	2012-2	2	20	20	12	150	31	11.1	1.8	-	35	35	
	2020-2	2	20	20	20	125	31	19.1	1.8	-	35	35	
	1212-3	3	12	12	12	150	31	10.8	2.4	6	38	40	
	1616-3	3	16	16	16	150	31	14.8	2.4	2	38	45	
	2020-3	3	20	20	20	125	31	18.8	2.4	-	38	45	
	2525-3	3	25	25	25	150	31	23.8	2.4	-	38	45	
	2020-4	4	20	20	20	125	33	18.4	3.2	-	38	55	
	2525-4	4	25	25	25	150	33	23.4	3.2	-	38	55	

▸ *: TDJ 1.4 insert only

Spare parts

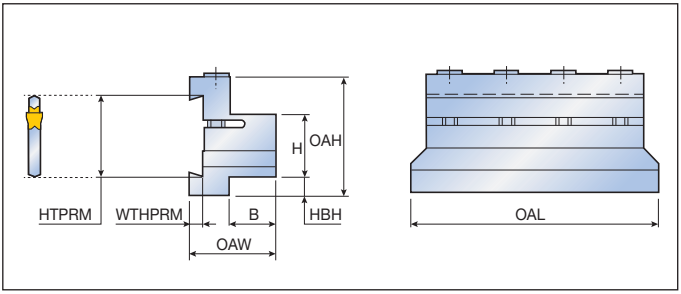
Designation	Extractor			
				
TGER/L....-1.4T10	EDG 23B			
TGER/L....-2	EDG 33B			
TGER/L....-3	EDG 33B			
TGER/L....-4	EDG 33B			

▸ Extractor should be ordered separately

TTBN

Blocks for blades





Designation	Dimension (mm)							
	HTPRM	H	HBH	OAH	WTHPRM	OAL	B	OAW
TTBN 16-26	26	16	12	38	4.0	87	15	29
20-26	26	20	8	38	4.0	87	19	33
25-26	26	25	3	38	4.0	110	20	34
20-32	32	20	13	48	5.5	100	19	35
25-32	32	25	8	48	5.5	110	20	36
32-32	32	32	3	48	5.5	120	28	44
25-45	45	25	25	66	5.5	110	22	40
32-45	45	32	18	66	5.5	120	28	45
40-52	52	40	21	82	8.0	160	40	65

Spare parts

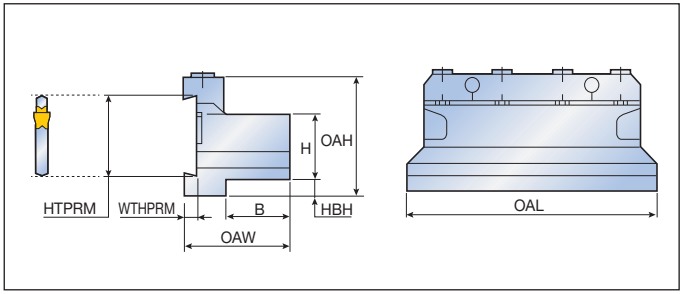
Designation	Screw	Wrench		
TTBN...26	SH M6x1x25	L-W 5		
TTBN...32	SH M6x1x30	L-W 5		
TTBN...45	SH M6x1x40	L-W 5		
TTBN...52	SH M8x1.25x45	L-W 6		

B40-B49,B116

TTBU

Blocks for blades with clamp





Designation	Dimension (mm)							
	HTPRM	H	HBH	OAH	WTHPRM	OAL	B	OAW
TTBU 20-26	26	20	9	43	4.0	86	21	38
25-26	26	25	5	45	4.0	110	23	43
20-32	32	20	13	50	5.3	100	19	38
25-32	32	25	8	50	5.3	110	23	42
32-32	32	32	5	54	5.3	110	29	48
25-45	45	25	27	70	5.3	110	23	42
32-45	45	32	20	70	5.3	110	29	48

Spare parts

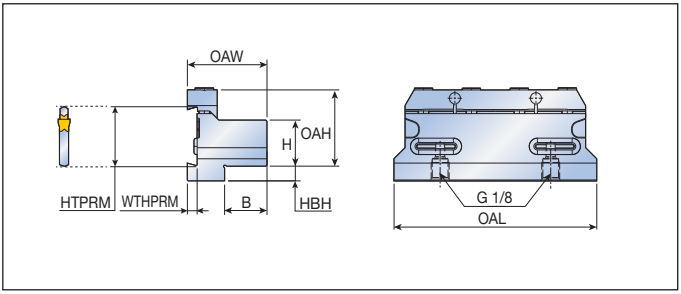
Designation	Screw	Clamp	Wrench	
TTBU 20-26	SR M6x30 DIN912	BKU 86	L-W 5	
TTBU 25-26	SR M6x30 DIN912	BKU 105	L-W 5	
TTBU 20-32	SR M6x25 DIN912	BKU 100	L-W 5	
TTBU 25-32	SR M6x25 DIN912	BKU 110	L-W 5	
TTBU 32-32	SR M6x30 DIN912	BKU 110	L-W 5	
TTBU 25/32-45	SR M6x30 DIN912	BKU 110	L-W 5	

B40-B49,B116

TTBU-TB

Blocks for blades with high pressure coolant





Designation	Dimension (mm)							
	HTPRM	H	HBH	OAH	WTHPRM	OAL	B	OAW
TTBU 16-26-TB	26	16	13	29.9	4.1	86	17	35.6
20-26-TB	26	20	9	33.9	4.1	86	21	39.6
25-26-TB	26	25	5	39.0	4.1	110	26	44.1
20-32-TB	32	20	15	36.4	5.3	100	19	39.2
25-32-TB	32	25	8	41.4	5.3	110	23	43.2
32-32-TB	32	32	5	48.4	5.3	110	29	49.2

Spare parts

Designation	Screw	Clamp	O-ring	Wrench
TTBU 16/20-26-TB	SR M6x16 DIN912	BKU 86	O-RING ID14x2.5	L-W 5
TTBU 25-26-TB	SR M6x16 DIN912	BKU 105	O-RING ID14x2.5	L-W 5
TTBU 20-32-TB	SR M6x16 DIN912	BKU 100	O-RING ID14x2.5	L-W 5
TTBU 25/32-32-TB	SR M6x16 DIN912	BKU 110	O-RING ID14x2.5	L-W 5

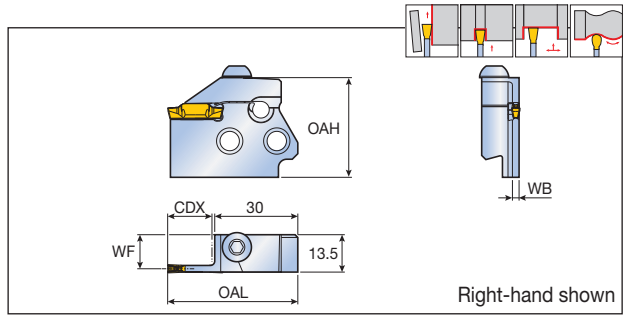


TCAER/L

T-CLAMP PARTING & GROOVING

Cartridges for external grooving





Designation		Insert seat size	Dimension (mm)					Holder	Insert
			OAL	WF	WB	OAH	CDX		
TCAER/L	**1.4T12**	1*	47	13.0	1.0	36	12	TCAHR/L TCAHPL/R C..-TCAHN C..-TCAHPN B59-B63	TDJ 1.4 TDC/J/V/UF TSC/J TDCT/XU/XY/XT/T B136-B147
	2T16	2	47	12.6	1.8	36	16		
	2T22	2	53	12.6	1.8	36	22		
	3T16	3	47	12.3	2.4	36	16		
	3T22	3	53	12.3	2.4	36	22		
	4T16	4	47	12.0	3.0	36	16		
	4T22	4	53	12.0	3.0	36	22		
	5T20	5	51.5	11.6	3.9	36	20		
	5T25	5	56	11.6	3.9	36	25		
	6T20	6	51.5	11.1	4.9	36	20		
	6T25	6	56	11.1	4.9	36	25		
	8T25	8	59	10.58	5.85	36	25		

▸ *: TDJ 1.4 insert only

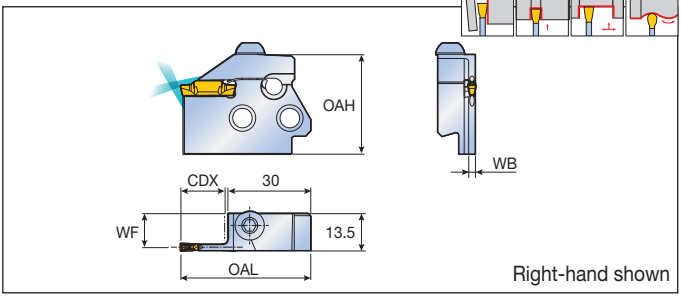
Spare parts

Designation	Screw	Wrench		
				
TCAER/L	BH M6x1x16	L-W 4		

TCAER/L-TB

Cartridges for external grooving with high pressure coolant





Designation		Insert seat size	Dimension (mm)					Holder	Insert
			OAL	WF	WB	OAH	CDX		
TCAER/L	**2T16-TB**	2	47	12.6	1.8	36	16	TCAHR/L-TB	TDC/J/V/UF
	3T16-TB	3	47	12.3	2.4	36	16	TCAHPL/R-TB	TSC/J
	4T16-TB	4	47	12.0	3.0	36	16	C...TCAHN-TB	TDCT/XU/XY/XT/T
	5T20-TB	5	51	11.5	3.9	36	20	C...TCAHPN-TB	B136-B147
								B59-B63	

Spare parts

Designation	Screw	Wrench		
TCAER/L-TB	BH M6x1x16	L-W 4		

TCAFR/L

T-CLAMP PARTING & GROOVING

Cartridges for external face grooving



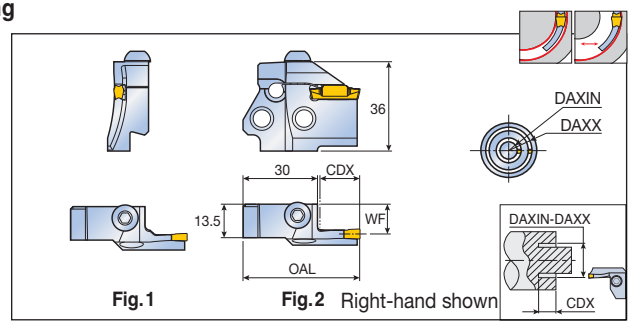


Fig.1 **Fig.2** Right-hand shown

Designation		Insert seat size	Dimension (mm)					Fig.	Holder	Insert
			OAL	WF	CDX	DAXIN	DAXX			
TCAFR/L	**3T10-29-40 RN**	3	40	12.4	10	29	40	1	TCAHL/R TCAHPR/L C..-TCAHN C..-TCAHPN B59-B63	TDC/J/V/UF TSC/J TDCT/XU/XY/XT/T B136-B147
	3T12-40-55 RN	3	47	12.4	12	40	55	1		
	3T12-55-75 RN	3	47	12.4	12	55	75	1		
	3T12-75-100 RN	3	47	12.4	12	75	100	1		
	3T12-100-140 RN	3	47	12.4	12	100	140	1		
	3T12-140-200 RN	3	47	12.4	12	140	200	1		
	4T16-34-50 RN	4	47	12.0	16	34	50	2		
	4T16-50-70 RN	4	47	12.0	16	50	70	2		
	4T16-70-100 RN	4	47	12.0	16	70	100	2		
	4T16-100-150 RN	4	47	12.0	16	100	150	2		
	4T16-150-250 RN	4	47	12.0	16	150	250	2		
	4T16-250 RN	4	47	12.0	16	250	N.L.	2		
	5T20-55-80 RN	5	51.5	11.5	20	55	80	2		
	5T20-80-120 RN	5	51.5	11.5	20	80	120	2		
	5T20-120-180 RN	5	51.5	11.5	20	120	180	2		
	5T20-180-300 RN	5	51.5	11.5	20	180	300	2		
	5T20-300 RN	5	51.5	11.5	20	300	N.L.	2		
	6T25-60-90 RN	6	56	11.0	25	60	90	2		
	6T25-90-150 RN	6	56	11.0	25	90	150	2		
	6T25-150-250 RN	6	56	11.0	25	150	250	2		
	6T25-250-400 RN	6	56	11.0	25	250	400	2		
	6T25-400 RN	6	56	11.0	25	400	N.L.	2		

- Please check insert min. dia for face grooving B89 page
- N.L.: No limit

Spare parts

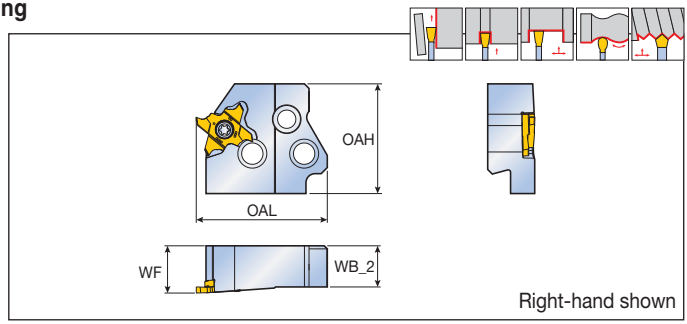
Designation	Screw	Wrench		
				
TCAFR/L	BH M6x1x16	L-W 4		

ADVANCE CUTTING TaeguTec

TCAQR/L 20

Cartridges for external grooving





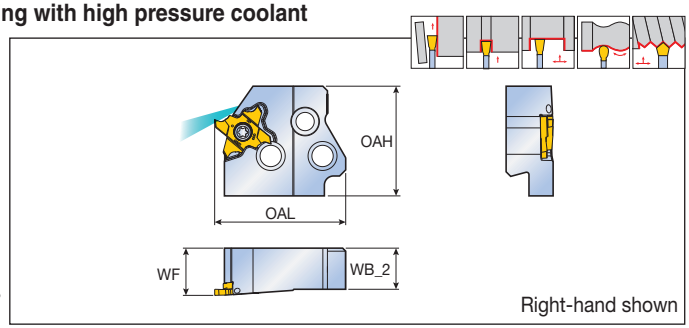
Designation		Dimension (mm)				Holder	Insert
		OAL	WF	WB_2	OAH		
TCAQR/L	**20**	43	15.5	13.5	36	TCAHR/L, TCAHPL/R C...TCAHN, C...TCAHPN B59-B63	TQ...20 B158-B159

▸ CDX: Refer to insert dimension

TCAQR/L 20-TB

Cartridges for external grooving with high pressure coolant





Designation		Dimension (mm)				Holder	Insert
		OAL	WF	WB_2	OAH		
TCAQR/L	**20-TB**	43	15.5	13.5	36	TCAHR/L-TB, TCAHPL/R-TB C...TCAHN-TB, C...TCAHPN-TB B59-B63	TQ...20 B158-B159

▸ CDX: Refer to insert dimension

Spare parts

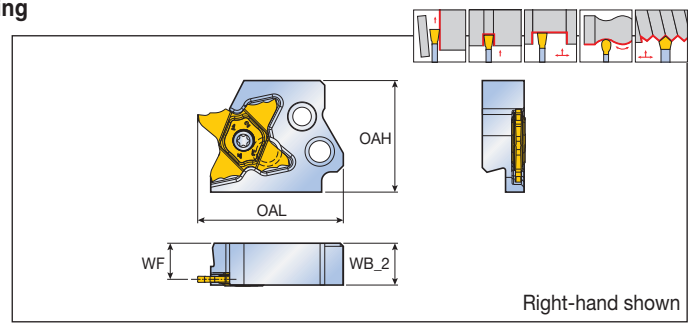
Designation	Screw	Wrench		
				
TCAQR 20(-TB)	TS 40A100L	T-1508/5		
TCAQL 20(-TB)	TS 40A100	T-1508/5		

TCAQR/L 27/34

QUADRUSH PARTING & GROOVING

Cartridges for external grooving





Designation		Dimension (mm)				Holder	Insert
		OAL	WF	WB_2	OAH		
TCAQR/L	**27**	47	12.3	13.5	36	TCAHR/L, TCAHPL/R C..-TCAHN, C..-TCAHPN B59-B63	TQ... 27 TQ... 34 B160-B171
	34	47	11.7	13.5	36		

▸ CDX: Refer to insert dimension

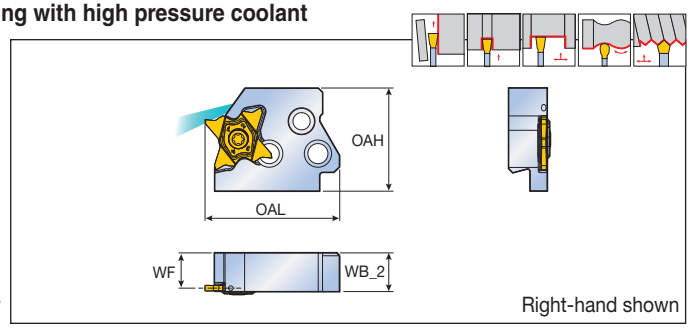
TCAQR/L 27-TB

QUADRUSH PARTING & GROOVING

Cartridges for external grooving with high pressure coolant



COOLBURST PATENTED COOLANT



Designation		Dimension (mm)				Holder	Insert
		OAL	WF	WB_2	OAH		
TCAQR/L	**27-TB**	47	12.3	13.5	36	TCAHR/L-TB, TCAHPL/R-TB C...TCAHN-TB, C...TCAHPN-TB B59-B63	TQ...27 B160-B168

▸ CDX: Refer to insert dimension

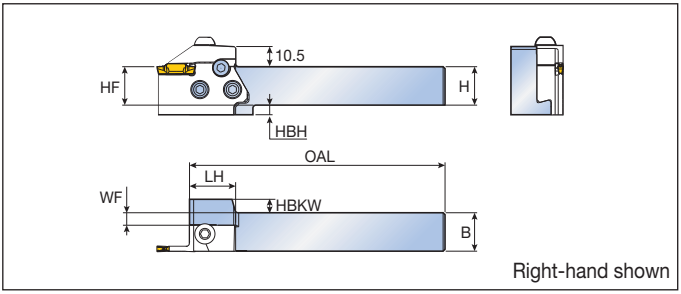
Spare parts

Designation	Screw	Wrench		
				
TCAQR 27/34(-TB)	TS 50125IL	T 10/20		
TCAQL 27/34(-TB)	TS 50125I	T 10/20		

TCAHR/L

Parallel type holders for cartridge





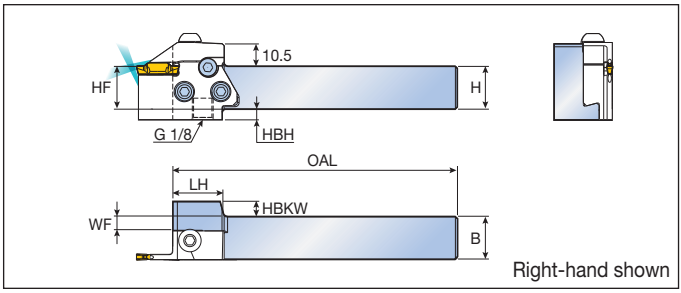
Designation		Dimension (mm)								Cartridge
		H	HF	B	OAL	WF	HBH	HBKW	LH	
TCAHR/L	**2020**	20	20	20	133	6.5	5	7	24	TCAER/L,TCAFL/R TCAQR/L B54-B58
	2525	25	25	25	133	11.5	-	2	24	
	3232	32	32	32	153	18.5	-	-	24	

▸ Cartridge should be ordered separately

TCAHR/L-TB

Parallel type holders for cartridge with high pressure coolant





Designation		Dimension (mm)								Cartridge
		H	HF	B	OAL	WF	HBH	HBKW	LH	
TCAHR/L	**2020-TB**	20	20	20	133	6.5	5	7	24	TCAER/L-TB TCAQR/L-TB B54-B58
	2525-TB	25	25	25	133	11.5	-	2	24	

▸ Cartridge should be ordered separately
▸ Please refer to B128-B130 page for COOL-BURST accessories

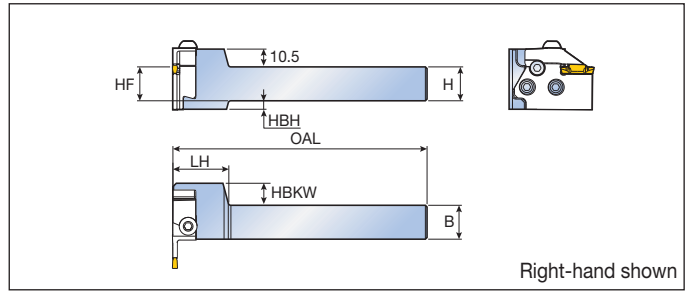
Spare parts

Designation	Screw	Security Screw	Sealing Screw	O-Ring	Wrench	
TCAHR/L	TS 60190I	SH M5x0.8x16	-	-	L-W 4	-
TCAHR/L-TB	TS 60190I	SH M5x0.8x16	SS M4x0.7x4-NL	O-RING ID5X1T	L-W 4	L-W 2

TCAHPR/L

Perpendicular type holders for cartridge





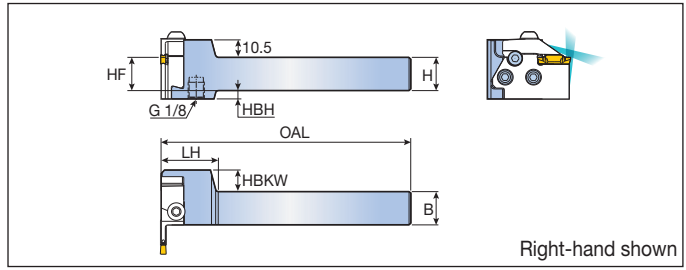
Designation		Dimension (mm)							Cartridge
		H	HF	B	OAL	HBH	HBKW	LH	
TCAHPR/L	**2020**	20	20	20	150	5	13	33	TCAEL/R, TCAFR/L
	2525	25	25	25	150	-	8	33	TCAQL/R
	3232	32	32	32	170	-	1	33	B54-B58

▸ Cartridge should be ordered separately

TCAHPR/L-TB

Perpendicular type holders for cartridge with high pressure coolant





Designation		Dimension (mm)							Cartridge
		H	HF	B	OAL	HBH	HBKW	LH	
TCAHPR/L	**2020-TB**	20	20	20	150	5	13	33	TCAEL/R-TB
	2525-TB	25	25	25	150	-	8	33	TCAQL/R-TB
									B54-B58

▸ Cartridge should be ordered separately
▸ Please refer to B128-B130 page for COOL-BURST accessories

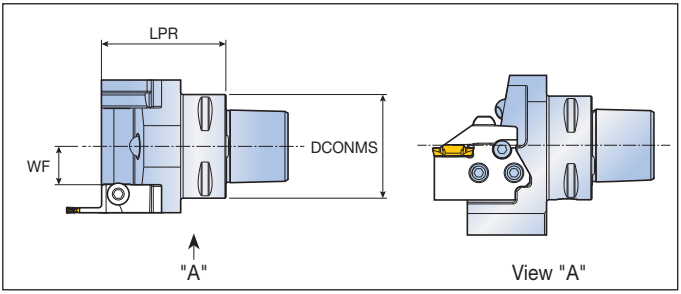
Spare parts

Designation	Screw	Security Screw	Sealing Screw	O-Ring	Wrench	
TCAHPR/L	TS 60190I	SH M5x0.8x16	-	-	L-W 4	-
TCAHPR/L-TB	TS 60190I	SH M5x0.8x16	SS M4x0.7x4-NL	O-RING ID5x1T	L-W 4	L-W 2

C-TCAHN

Parallel type C-Adapters





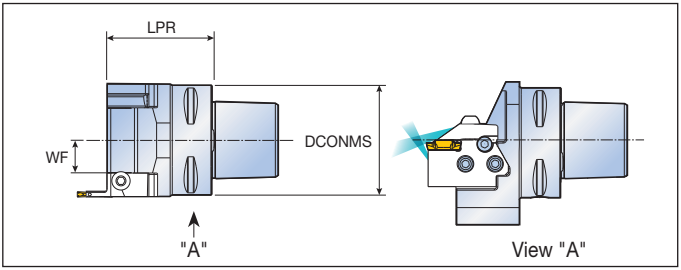
Designation	Dimension (mm)			Cartridge
	DCONMS	LPR	WF	
C4-TCAHN	40	60	18.7	TCAER/L, TCAFR/L
C5-TCAHN	50	60	18.5	TCAQR/L
C6-TCAHN	63	60	19	B54-B58

▸ Cartridge should be ordered separately

C-TCAHN-TB

Parallel type C-Adapters with high pressure coolant





Designation	Dimension (mm)			Cartridge
	DCONMS	LPR	WF	
C4-TCAHN-TB	40	55	11.5	TCAER/L-TB
C5-TCAHN-TB	50	58	13.7	TCAQR/L-TB
C6-TCAHN-TB	63	60	18.7	B54-B58

▸ Cartridge should be ordered separately

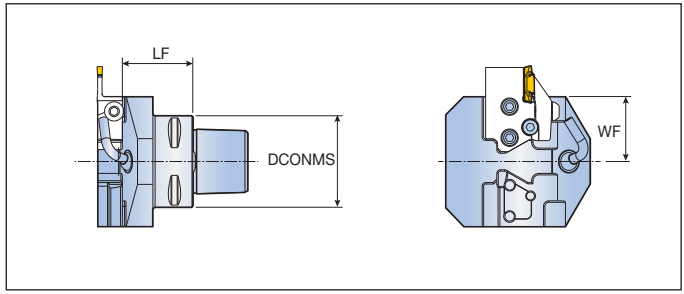
Spare parts

Designation	Screw	Security Screw	Sealing Screw	Nozzle	O-Ring	Wrench
C-TCAHN	TS 60190I	SH M5x0.8x16	-	NZ 125	-	L-W 4
C-TCAHN-TB	TS 60190I	SH M5x0.8x16	SS M4x0.7x4-NL	-	O-RING ID5x1T	L-W 4 / L-W 2

C-TCAHPN

Perpendicular type C-Adapters





Designation	Dimension (mm)			Cartridge
	DCONMS	LF	WF	
C4-TCAHPN	40	40.5	34	TCAER/L, TCAFR/L
C5-TCAHPN	50	38.5	35.5	TCAQR/L
C6-TCAHPN	63	38.5	36	B54-B58

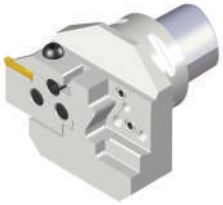
▸ Cartridge should be ordered separately

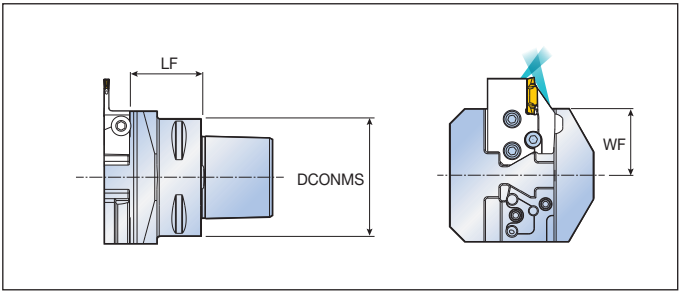
Spare parts

Designation	Screw	Security Screw	Nozzle	Pipe	Wrench
					
C-TCAHPN	TS 60190I	SH M5x0.8x16	NZ 125	NZP 5	L-W 4

C-TCAHPN-TB

Perpendicular type C-Adapters with high pressure coolant





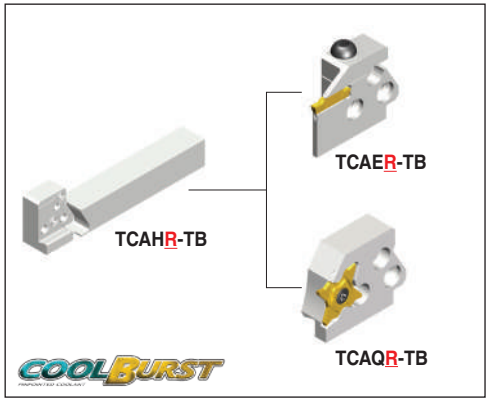
Designation	Dimension (mm)			Cartridge
	DCONMS	LF	WF	
C4-TCAHPN-TB	40	36.5	34	TCAER/L-TB
C5-TCAHPN-TB	50	36.5	35	TCAQR/L-TB
C6-TCAHPN-TB	63	38.5	35.5	B54-B58

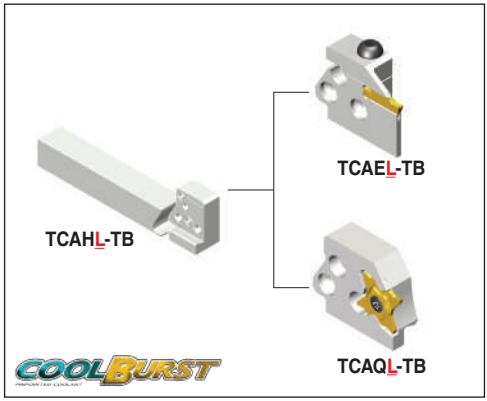
▸ Cartridge should be ordered separately

Spare parts

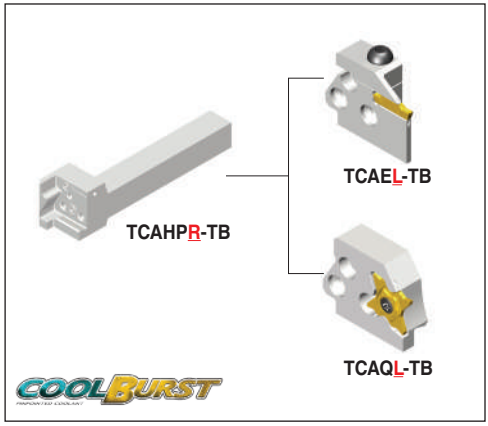
Designation	Screw	Security Screw	Sealing Screw	O-Ring	Wrench
C-TCAHPN-TB	TS 60190I	SH M5x0.8x16	SS M4x0.7x4-NL	O-RING ID5x1T	L-W 4 / L-W 2

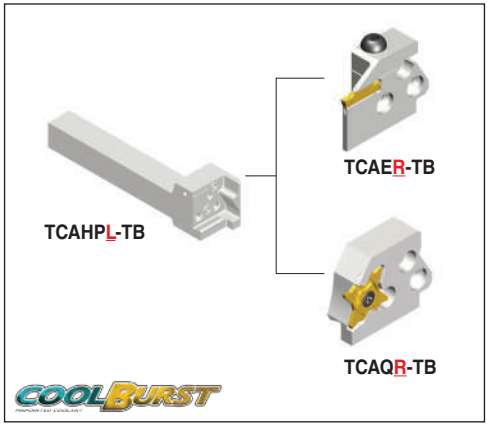
Parallel type with high pressure coolant



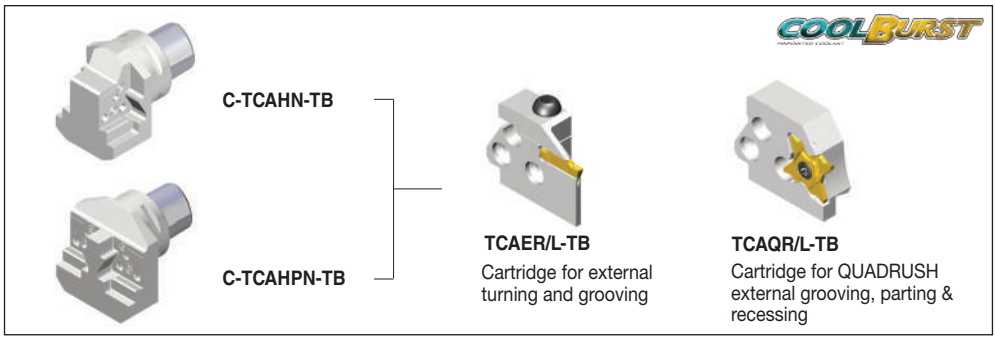


Perpendicular type with high pressure coolant

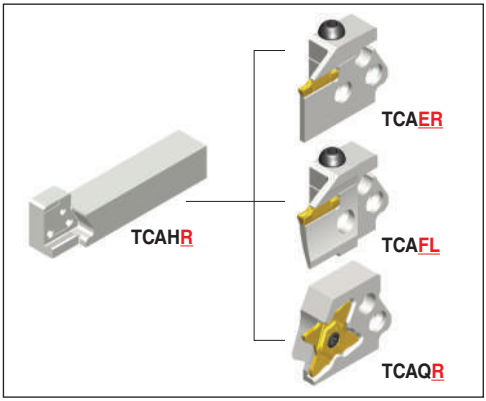


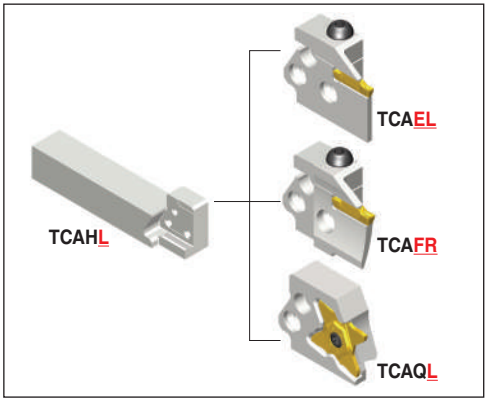


C-ADAPTER with high pressure coolant

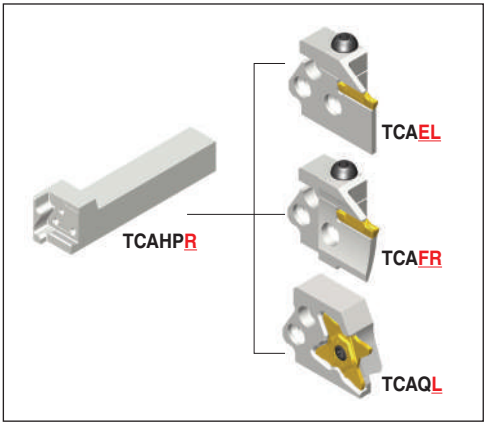


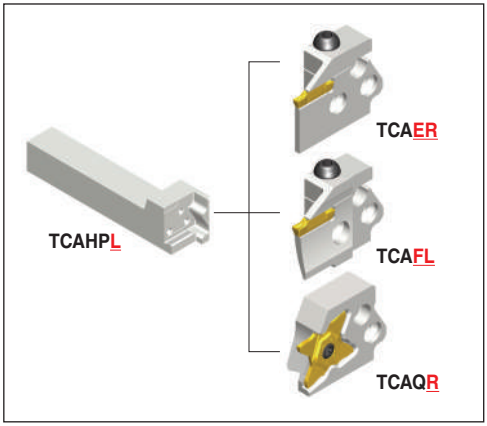
Parallel type



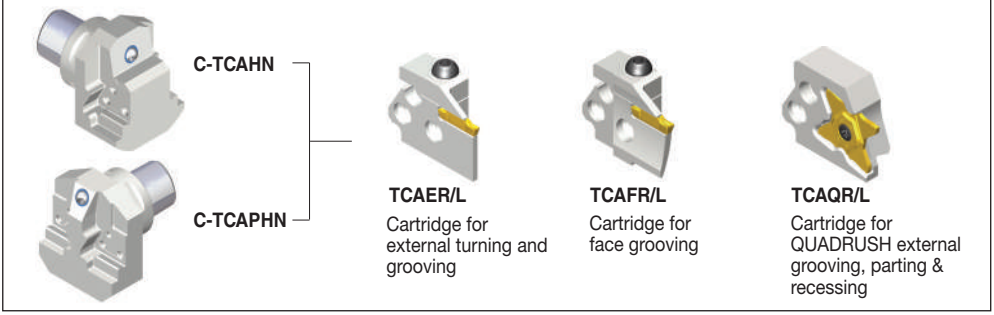


Perpendicular type





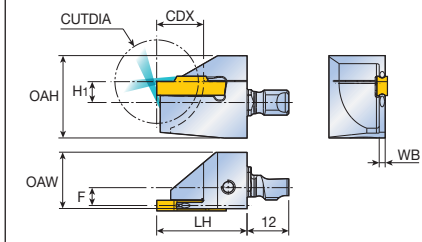
C-ADAPTER



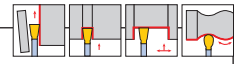
QE1 TTER QE1 TTER-TB

Modular heads for external turning and grooving

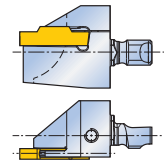




QE1 TTER-TB



Right-hand shown



QE1 TTER

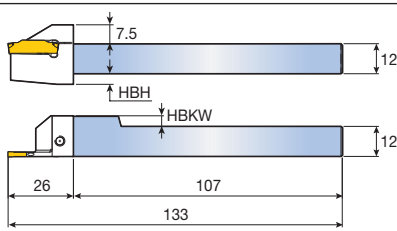
Designation		Insert seat size	Dimension (mm)								Shank	Insert
			OAH	LH	OAW	WB	CDX	CUTDIA	H1	F		
QE1 TTER	**2-12-24**	2	23.7	26.0	16.2	1.8	12.0	24.0	6.0	6.1	QE1 S12N-TB QE1 S16R-TB B74	TDC/J/V/UF TSC/J TDCT/XU/XY/XT/T TDMV B136-B147
	2-16-32	2	23.7	26.0	16.2	1.8	16.0	32.0	6.0	6.1		
	3-12-24*	3	23.7	26.0	16.2	2.4	12.0	24.0	6.0	5.8		
	3-16-32*	3	23.7	26.0	16.2	2.4	16.0	32.0	6.0	5.8		
QE1 TTER	**2-12-24-TB**	2	23.7	26.0	16.2	1.8	12.0	24.0	6.0	6.1		
	2-16-32-TB	2	23.7	26.0	16.2	1.8	16.0	32.0	6.0	6.1		
	3-12-24-TB*	3	23.7	26.0	16.2	2.4	12.0	24.0	6.0	5.8		
	3-16-32-TB*	3	23.7	26.0	16.2	2.4	16.0	32.0	6.0	5.8		

▸ *: Modify the lower jaw when using the TDMV insert

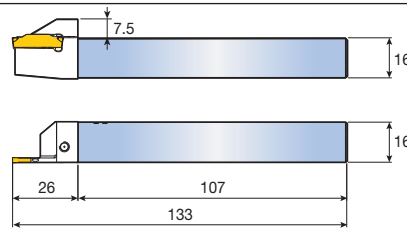
Spare parts

Designation	Screw	Wrench		
				
QE1 TTER	SH M4x0.7x16	L-W 3		
QE1 TTER-TB	SH M4x0.7x16	L-W 3		

Assembly



Head + QE1 S12N-TB

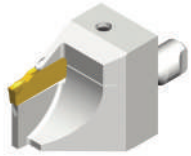


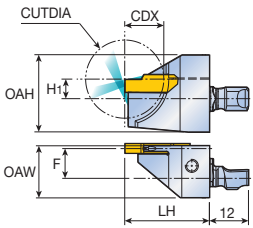
Head + QE1 S16R-TB

Designation	QE1 S12N-TB		QE1 S16R-TB	
	HBH	HBKW	HBH	HBKW
QE1 TTER	4.2	4.2	-	-
QE1 TTER-TB	4.2	4.2	-	-

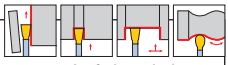
QE1 TTEL QE1 TTEL-TB

Modular heads for external turning and grooving

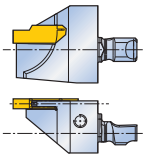




QE1 TTEL-TB



Left-hand shown



QE1 TTEL

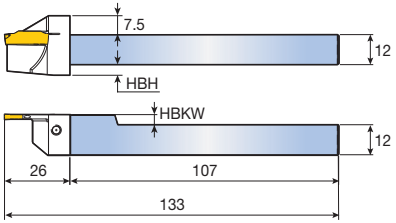
Designation	Insert seat size	Dimension (mm)								Shank	Insert
		OAH	LH	OAW	WB	CDX	CUTDIA	H1	F		
QE1 TTEL 2-12-24	2	23.7	26.0	16.0	1.8	12.0	24.0	6.0	8.1	QE1 S12N-TB QE1 S16R-TB B74	TDC/J/V/UF TSC/J TDCT/XU/XY/XT/T TDMV B136-B147
2-16-32	2	23.7	26.0	16.0	1.8	16.0	32.0	6.0	8.1		
3-12-24*	3	23.7	26.0	16.0	2.4	12.0	24.0	6.0	7.8		
3-16-32*	3	23.7	26.0	16.0	2.4	16.0	32.0	6.0	7.8		
QE1 TTEL 2-12-24-TB	2	23.7	26.0	16.0	1.8	12.0	24.0	6.0	8.1		
2-16-32-TB	2	23.7	26.0	16.0	1.8	16.0	32.0	6.0	8.1		
3-12-24-TB*	3	23.7	26.0	16.0	2.4	12.0	24.0	6.0	7.8		
3-16-32-TB*	3	23.7	26.0	16.0	2.4	16.0	32.0	6.0	7.8		

▸ *: Modify the lower jaw when using the TDMV insert

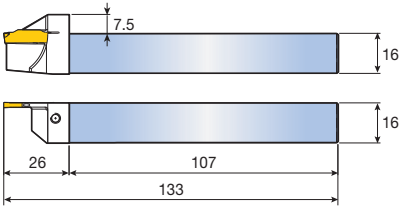
Spare parts

Designation	Screw	Wrench		
				
QE1 TTEL	SH M4x0.7x16	L-W 3		
QE1 TTEL-TB	SH M4x0.7x16	L-W 3		

Assembly



Head + QE1 S12N-TB



Head + QE1 S16R-TB

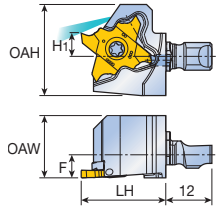
Designation	QE1 S12N-TB		QE1 S16R-TB	
	HBH	HBKW	HBH	HBKW
QE1 TTEL	4.2	4	-	-
QE1 TTEL-TB	4.2	4	-	-

QE1 TQHR QE1 TQHR-TB

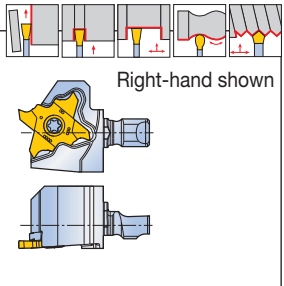
Modular head for parting and grooving on Swiss machines







QE1 TQHR-TB



QE1 TQHR

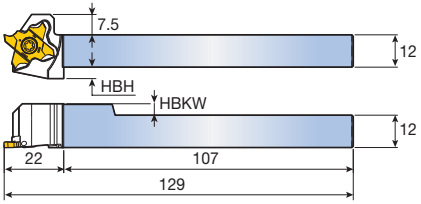
Designation		Dimension (mm)					Shank	Insert
		OAH	LH	OAW	H1	F		
QE1	**TQHR 20**	23.7	22.0	16.2	6.0	7.0	QE1 S12N-TB QE1 S16R-TB B74	TQ...20 B158-B159
	TQHR 20-TB	23.7	22.0	16.2	6.0	7.0		

▸ CDX: Refer to insert dimension

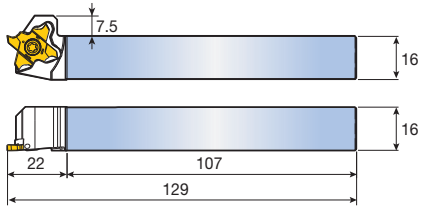
Spare parts

Designation	Screw	Wrench		
				
QE1 TQHR	TS 40A100L	T-1508/5		
QE1 TQHR-TB	TS 40A100L	T-1508/5		

Assembly



Head + QE1 S12N-TB



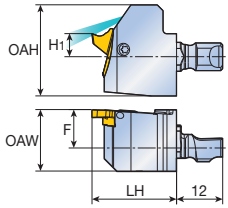
Head + QE1 S16R-TB

Designation	QE1 S12N-TB		QE1 S16R-TB	
	HBH	HBKW	HBH	HBKW
QE1 TQHR	4.2	4.2	-	-
QE1 TQHR-TB	4.2	4.2	-	-

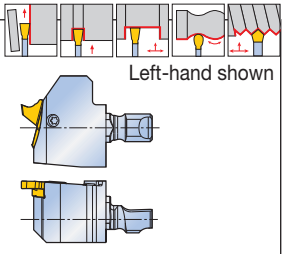
QE1 TQHL QE1 TQHL-TB

Modular head for parting and grooving on Swiss machines





QE1 TQHL-TB



QE1 TQHL

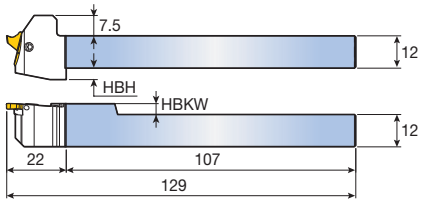
Designation	Dimension (mm)					Shank	Insert
	OAH	LH	OAW	H1	F		
QE1 TQHL 20	23.7	22.0	16.0	6.0	9.0	QE1 S12N-TB QE1 S16R-TB B74	TQ...20 B158-B159
TQHL 20-TB	23.7	22.0	16.0	6.0	9.0		

▸ CDX: Refer to insert dimension

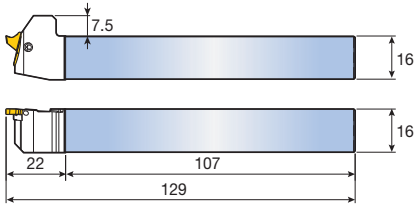
Spare parts

Designation	Screw	Wrench		
				
QE1 TQHL	TS 40A100	T-1508/5		
QE1 TQHL-TB	TS 40A100	T-1508/5		

Assembly



Head + QE1 S12N-TB



Head + QE1 S16R-TB

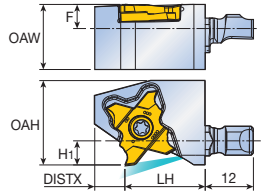
Designation	QE1 S12N-TB		QE1 S16R-TB	
	HBH	HBKW	HBH	HBKW
QE1 TQHL	4.2	4	-	-
QE1 TQHL-TB	4.2	4	-	-

QE1Y TQHR QE1Y TQHR-TB

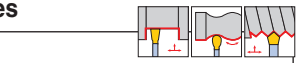
Modular head for Y-axis parting and grooving on Swiss machines



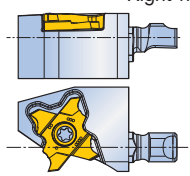
COOLBURST



QE1Y TQHR 20-TB



Right-hand shown



QE1Y TQHR 20

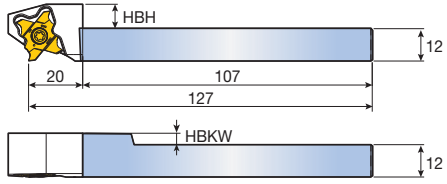
Designation		Dimensions (mm)						Shank	Insert
		OAH	LH	OAW	H1	F	DISTX		
QE1Y	**TQHR 20**	21.0	20.0	16.2	6.0	7.0	7.5	QE1 S12N-TB QE1 S16L-TB B74	TQ... 20 B158-B159
	TQHR 20-TB	21.0	20.0	16.2	6.0	7.0	7.5		

▸ CDX: Refer to insert dimension

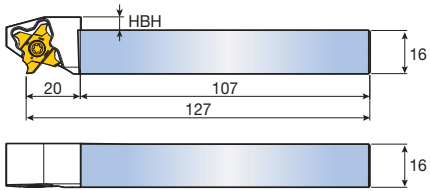
Spare parts

Designation	Screw	Wrench		
				
QE1Y TQHR 20	TS 40A100L	T-1508/5		
QE1Y TQHR 20-TB	TS 40A100L	T-1508/5		

Assembly



Head + QE1 S12N-TB

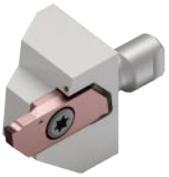


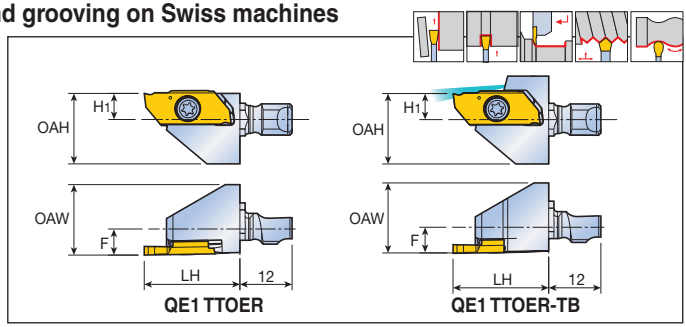
Head + QE1 S16L-TB

Designation	QE1 S12N-TB		QE1 S16L-TB	
	HBH	HBKW	HBH	HBKW
QE1Y TQHR 20	9	4.2	5	-
QE1Y TQHR 20-TB	9	4.2	5	-

QE1 TTOER QE1 TTOER-TB

Modular head for parting and grooving on Swiss machines



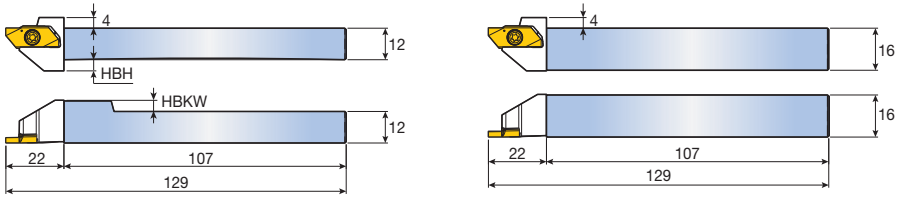


Designation	Dimensions (mm)					Shank	Insert
	OAH	LH	OAW	H1	F		
QE1 TTOER 20	16.2	22.0	16.2	6.0	7.0	QE1 S12N-TB QE1 S16R-TB B74	TPR/TBR/TTR B177-B182
TTOER 20-TB	16.2	22.0	16.2	6.0	7.0		

Spare parts

Designation	Screw	Wrench		
QE1 TTOER	TS 40097I	T 15		
QE1 TTOER-TB	TS 40097I	T 15		

Assembly



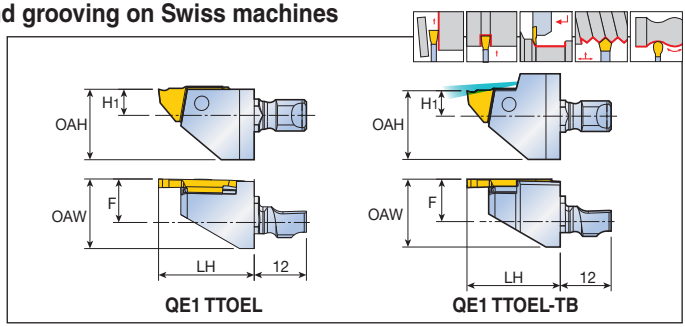
Head + QE1 S12N-TB **Head + QE1 S16R-TB**

Designation	QE1 S12N-TB		QE1 S16R-TB	
	HBH	HBKW	HBH	HBKW
QE1 TTOER 20	4.2	4.2	-	-
QE1 TTOER 20-TB	4.2	4.2	-	-

QE1 TTOEL QE1 TTOEL-TB

Modular head for parting and grooving on Swiss machines



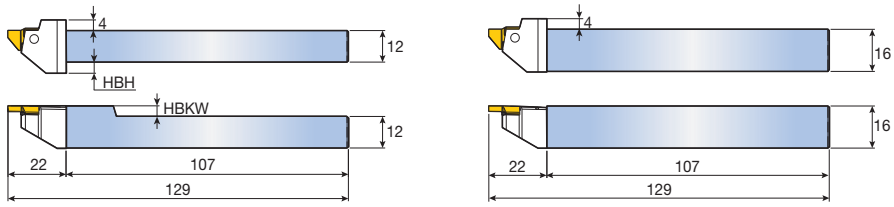


Designation	Dimensions (mm)					Shank	Insert
	OAH	LH	OAW	H1	F		
QE1 TTOEL 20	16.2	22.0	16.2	6.0	9.0	QE1 S12N-TB QE1 S16R-TB B74	TPL B177-B182
TTOEL 20-TB	16.2	22.0	16.2	6.0	9.0		

Spare parts

Designation	Screw	Wrench		
QE1 TTOEL	TS 40097I	T 15		
QE1 TTOEL-TB	TS 40097I	T 15		

Assembly

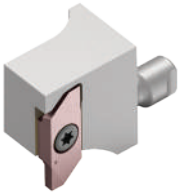


Designation	QE1 S12N-TB		QE1 S16R-TB	
	HBH	HBKW	HBH	HBKW
QE1 TTOEL 20	4.2	4	-	-
QE1 TTOEL 20-TB	4.2	4	-	-

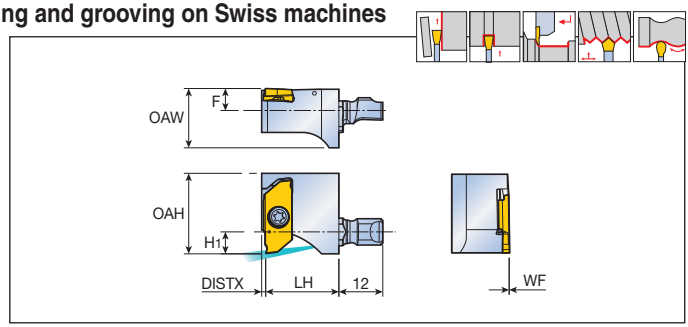
QE1Y TTOER-TB

TOPCUT

Modular head for Y-axis parting and grooving on Swiss machines



COOLBURST

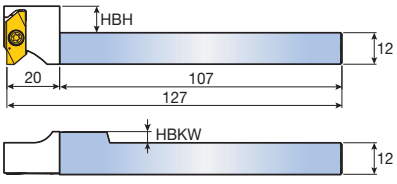


Designation	Dimensions (mm)						Shank	Insert
	OAH	LH	OAW	H1	F	DISTX		
QE1Y TTOER 20-TB	22.0	20.0	16.2	6.0	7.0	1.1	QE1 S12N-TB QE1 S16L-TB B74	TPR / TBR/TTR B177-B182

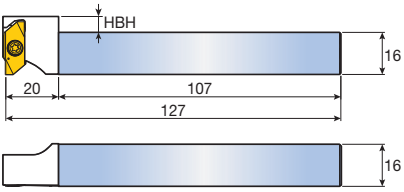
Spare parts

Designation	Screw	Wrench		
				
QE1Y TTOER-TB	TS 40097I	T 15		

Assembly



Head + QE1 S12N-TB



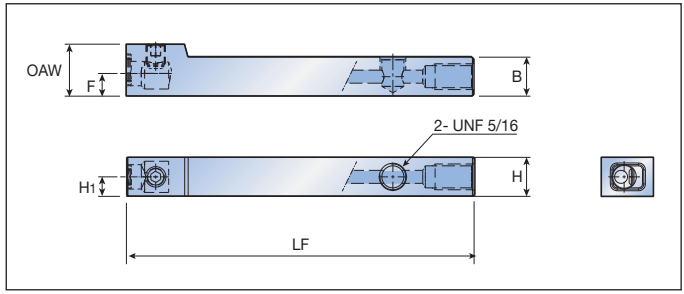
Head + QE1 S16L-TB

Designation	QE1 S12N-TB		QE1 S16L-TB	
	HBH	HBKW	HBH	HBKW
QE1Y TTOER 20	10	4.2	6	-
QE1Y TTOER 20-TB	10	4.2	6	-

QE1 S12N-TB

High pressure coolant shanks for WIN-SWISS modular head





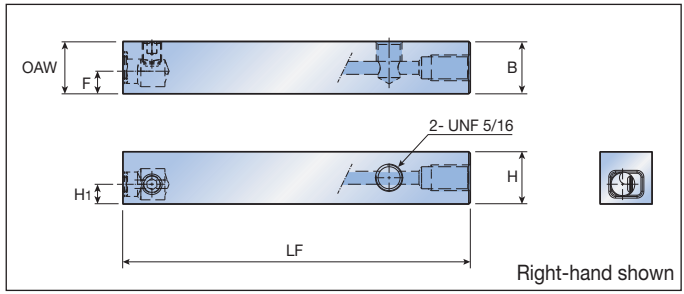
Designation	Dimension (mm)						Modular head
	H	H1	B	LF	OAW	F	
QE1 S12N-TB	12	6	12	107	16	7	QE1...R/L(-TB)
							B66-B73

▸ Please refer to B128-B130 page for COOL-BURST accessories

QE1 S16R/L-TB

High pressure coolant shanks for WIN-SWISS modular head





Designation	Dimension (mm)						Modular head
	H	H1	B	LF	OAW	F	
QE1 S16R/L-TB	16	6	16	107	16	7	QE1...R/L(-TB)
							B66-B73

▸ Please refer to B128-B130 page for COOL-BURST accessories

Spare parts

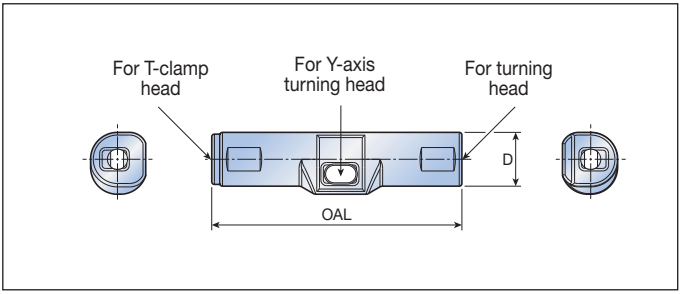
Designation	Screw	Plug	Wrench	
QE1 ...-TB	* SS M6F-7	PLG 5/16 UNF	L-W 3	L-W 5/32

▸ *: Recomended tightening torque 5.9 Nm

QE1 FIX-20100

Insert replacement fixture





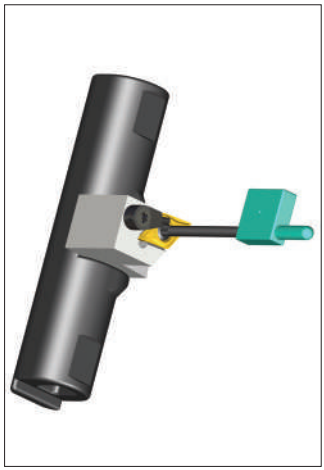
Designation		Dimensions (mm)	
		OAL	D
QE1	**FIX-20100**	93.0	20.0

▸ Fixture ordered seperately

Insert replacement

▸ Due to the WIN-SWISS' small head sizes, replacing the inserts could be difficult.
Please use the fixture to facilitate insert replacement.

▸ Y-axis turning head



▸ T-clamp head

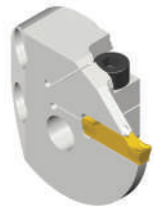


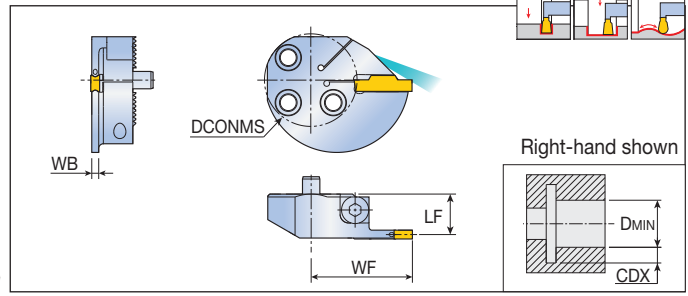
▸ Turning head



QH-TTIR/L-TB

Internal boring head for turning and grooving with high pressure coolant





Designation	Insert seat size	Dimension (mm)						Insert
		DCONMS	LF	WF	WB	CDX	DMIN	
QH25 TTIR/L-2T12-TB	2	25	14.3	32.0	1.8	12	58	TDC/J/V/UF TSC/J TDCT/XU/XY/XT/T B136-B147
QH32 TTIR/L-2T12-TB	2	32	14.3	35.0	1.8	12	58	
QH40 TTIR/L-2T12-TB *	2	40	14.3	38.5	1.8	12	60 *	
QH25 TTIR/L-3T12-TB	3	25	14.0	32.0	2.4	12	58	
QH32 TTIR/L-3T12-TB	3	32	14.0	35.0	2.4	12	58	
QH40 TTIR/L-3T12-TB *	3	40	14.0	38.5	2.4	12	60 *	
QH32 TTIR/L-4T12-TB	4	32	13.7	35.0	3.0	12	58	
QH40 TTIR/L-4T12-TB *	4	40	13.7	38.5	3.0	12	60 *	
QH32 TTIR/L-5T17-TB	5	32	15.1	40.0	3.9	17	58	
QH40 TTIR/L-5T17-TB *	5	40	15.1	43.0	3.9	17	64 *	
QH40 TTIR/L-6T17-TB *	6	40	14.6	43.0	4.9	17	64 *	

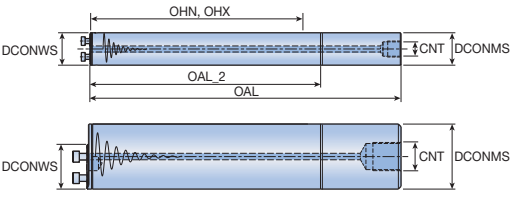
▸ *: When applying Ø50 mm shanks, add +10 mm to the DMIN. When applying Ø60 mm shanks, add +20 mm to the DMIN.

Spare parts

Designation	Screw	Wrench		
				
QH-TTIR/L-TB	SH M5x0.8x16	L-W 4		

Anti-vibration shanks for boring





Designation	Demension (mm)							Coolant hole	Fig.
	DCONMS	DCONWS	OAL	OAL_2	OHN	OHX	CNT		
QS16A-7D	16	16	156.3	100	55	92	G 1/8	●	1
QS16E-10D(1)	16	16	204.3	-	96	140	-	●	1
QS20A-7D	20	20	200.3	125	70	120	G 1/4	●	1
QS20E-10D(1)	20	20	260.3	-	120	180	-	●	1
QS25A-7D	25	25	257.5	155	88	155	G 1/4	●	1
QS25A-10D	25	25	332.5	255	155	230	G 1/4	●	1
QS25E-12D(1)	25	25	380.0	-	230	280	G 1/8	●	1
QS25E-14D(1)	25	25	430.0	-	280	330	G 1/8	●	1
QS32A-7D	32	32	323.0	190	120	192	G 3/8	●	1
QS32A-10D	32	32	419.0	320	192	288	G 3/8	●	1
QS32E-12D(1)	32	32	480.0	-	288	352	G 1/4	●	1
QS32E-14D(1)	32	32	544.0	-	352	416	G 1/4	●	1
QS40A-7D	40	40	411.0	240	128	251	G 1/2	●	1
QS40A-10D	40	40	531.0	410	248	368	G 1/2	●	1
QS40E-12D(1)	40	40	608.0	-	368	448	G 3/8	●	1
QS40E-14D(1)	40	40	688.0	-	448	528	G 3/8	●	1
QS50A-7D	50	40	523.0	305	168	318	G 1/2	●	2
QS50A-10D	50	40	673.0	520	318	468	G 1/2	●	2
QS50E-12D(1)	50	40	768.0	-	468	568	G 1/2	●	2
QS50E-14D(1)	50	40	868.0	-	568	668	G 1/2	●	2
QS60A-7D	60	40	633.0	380	208	388	G 3/4	●	2
QS60A-10D	60	40	813.0	630	388	568	G 3/4	●	2
QS60E-12D(1)	60	40	920.0	-	588	688	G 3/4	●	2
QS60E-14D(1)	60	40	1040.0	-	688	808	G 3/4	●	2

- (1) Carbide shank
- OHN: Minimum overhang
- OHX: Maximum overhang
- OAL_2: Minimum length after shortening(only steel bar can be shortened)
- Refer to A223 page for C-Adapter connection

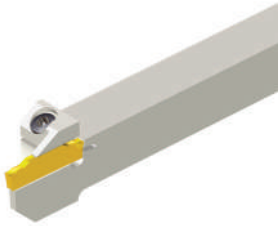
Spare parts

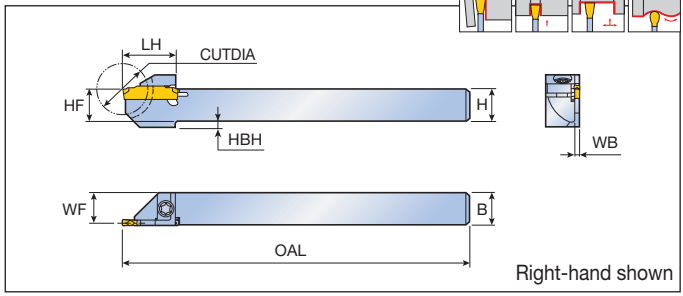
Designation	Screw	Wrench		
				
QS16	SH M3x0.5x10	L-W 2.5		
QS20	SH M3.5x0.6x10	L-W 2.5		
QS25	SH M4x0.7x12	L-W 3		
QS32	SH M5x0.8x12	L-W 4		
QS40/50/60	SH M6x1x16	L-W 5		

TTER/L-SH

T-CLAMP PARTING & GROOVING

Parting and grooving holder for Swiss machines





Designation	Insert seat size	Dimension (mm)								Insert
		H(HF)	B	OAL	LH	WF	WB	HBH	CUTDIA	
TTER/L 10-20-1.4SH	1*	10	10	125	18	9.5	1.0	-	20	TDJ 1.4
12-24-1.4SH	1*	12	12	125	19.5	11.5	1.0	-	24	B139
16-32-1.4SH	1*	16	16	125	24	15.5	1.0	-	32	
10-20-2SH	2	10	10	125	19	9.1	1.8	2	20	TDC/J/V/UF
12-24-2SH	2	12	12	125	19	11.1	1.8	2	24	TSC/J
14-24-2SH	2	14	14	125	19	13.1	1.8	-	24	TDCT/MV/XU/XY/
16-32-2SH	2	16	16	125	24	15.1	1.8	-	32	XT/T
20-38-2SH	2	20	20	125	27	19.1	1.8	-	38	B136-B147
12-24-3SH✓	3	12	12	125	19	10.8	2.4	2	24	
16-32-3SH✓	3	16	16	125	24	14.8	2.4	-	32	
16-38-3SH✓	3	16	16	125	27	14.8	2.4	-	38	
20-45-3SH✓	3	20	20	125	30.5	18.8	2.4	-	45	

- *: TDJ 1.4 insert only
- ✓: Modify the lower jaw when using the TDMV insert

Spare parts

Designation	Screw	Wrench		
				
TTER/L- SH	TS 40A115I	T 15		

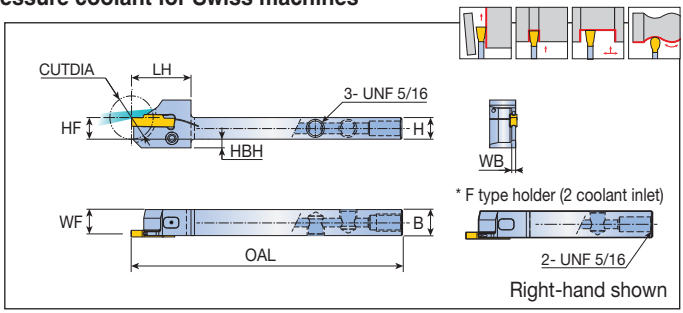
TTER/L-SH-TB

T-CLAMP PARTING & GROOVING

Side lock holders with high pressure coolant for Swiss machines



COOLBURST



Designation		Insert seat size	Dimension (mm)								Insert
			H(HF)	B	OAL	LH	WF	WB	HBH	CUTDIA	
TTER/L	**12-24-2SH-TB-F**	2	12	12	85	27.5	11.1	1.8	2	24	TDC/J/V/UF
	12-24-2SH-TB	2	12	12	125	27.5	11.1	1.8	2	24	TSC/J
	16-32-2SH-TB	2	16	16	125	31.5	15.1	1.8	-	32	TDCT/MV/XU/XY/ XT/T
	20-38-2SH-TB	2	20	20	125	27	19.1	1.8	-	38	
	12-24-3SH-TB✓	3	12	12	125	27.5	10.8	2.4	2	24	B136-B147
	16-32-3SH-TB✓	3	16	16	125	31.5	14.8	2.4	-	32	
	16-38-3SH-TB✓	3	16	16	125	34.5	14.8	2.4	-	38	
	20-45-3SH-TB✓	3	20	20	125	38	18.8	2.4	-	45	

- Please refer to B128-B130 page for COOL-BURST accessories
- ✓: Modify the lower jaw when using the TDMV insert

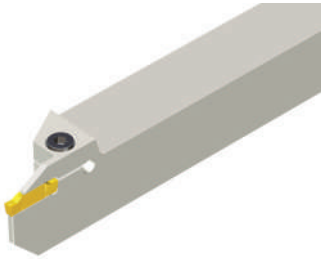
Spare parts

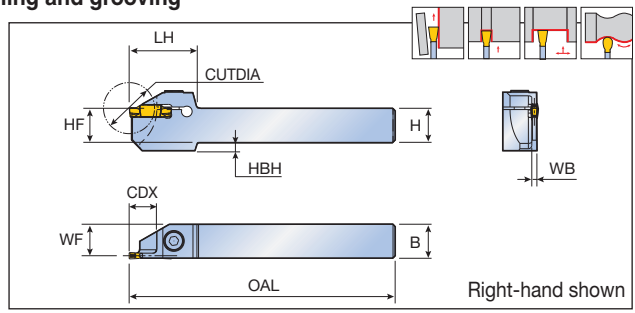
Designation	Pin	Clamping screw	Pin plug	Inlet plug	Wrench	
TTER/L…SH-TB	PIN-SH-TB-L21	SS M5-24145	SS M5x3.5 ULTEM 2300	PLG 5/16 UNF	L-W 2.5F	L-W 5/32

TTER/L-D

T-CLAMP PARTING & GROOVING

Reinforced holders for external turning and grooving





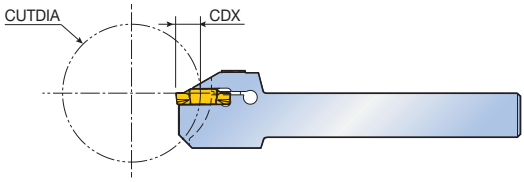
Designation	Insert seat size	Dimension (mm)									Insert
		H(HF)	B	OAL	LH	WF	WB	HBH	CDX	CUTDIA	
TTER/L 1010-1.4T15-D40	1*	10	10	125	32	9.5	1.0	6	15	40	TDJ 1.4
1212-1.4T15-D40	1*	12	12	125	32	11.5	1.0	4	15	40	B139
1616-1.4T20-D45	1*	16	16	125	38	15.5	1.0	4	20	45	
2020-1.4T20-D45	1*	20	20	125	38	19.5	1.0	-	20	45	
1010-2T15-D40	2	10	10	125	32	9.1	1.8	6	15	40	TDC/J/V/UF
1212-2T15-D40	2	12	12	125	32	11.1	1.8	4	15	40	TSC/J
1616-2T20-D45	2	16	16	125	38	15.1	1.8	4	20	45	TDCT/XU/XY/XT/T
2020-2T20-D45	2	20	20	125	38	19.1	1.8	-	20	45	B136-B147
2525-2T20-D45	2	25	25	150	38	24.1	1.8	-	20	45	
1212-3T15-D40	3	12	12	125	32	10.8	2.4	4	15	40	TSA(PCD): B154
1616-3T20-D45	3	16	16	125	38	14.8	2.4	4	20	45	TSG(CBN):
2020-3T20-D45	3	20	20	125	38	18.8	2.4	-	20	45	B152-B153
2525-3T20-D45	3	25	25	150	38	23.8	2.4	-	20	45	
2525-3T25-D60	3	25	25	150	43	23.8	2.4	-	25	60	

▸ *: TDJ 1.4 insert only

Spare parts

Designation	Screw	Wrench		
				
TTER/L-D	SH M5x0.8x16	L-W 4		

Machining depth for diameter of workpiece



Designation		CDX												
		1	2	3	4	5	6	7	8	9	10	11	12	13
TTER/L 1010-1.4T15-D40	CUTDIA					N.L.						269	120	79
1212-1.4T15-D40						N.L.						269	120	79
1616-1.4T20-D45						N.L.								432
2020-1.4T20-D45						N.L.								432
1010-2T15-D40						N.L.						269	120	79
1212-2T15-D40						N.L.						269	120	79
1616-2T20-D45						N.L.								432
2020-2T20-D45						N.L.								432
2525-2T20-D45						N.L.				1468	339	193	136	106
1212-3T15-D40						N.L.						269	120	79
1616-3T20-D45						N.L.								432
2020-3T20-D45						N.L.								432
2525-3T20-D45						N.L.				1468	339	193	136	106
2525-3T25-D60						N.L.								

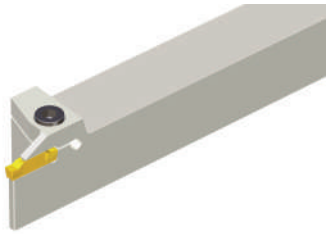
▸ N.L.: No limit

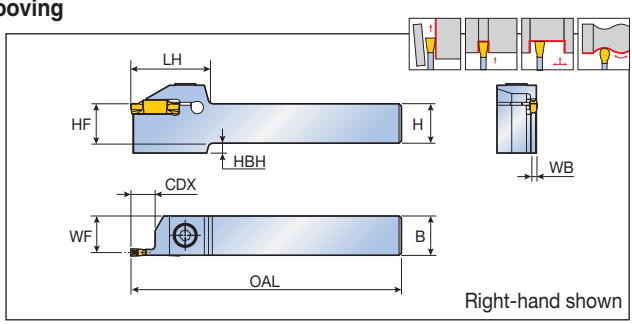
Designation		CDX												
		14	15	16	17	18	19	20	21	22	23	24	25	
TTER/L 1010-1.4T15-D40	CUTDIA	59	40											
1212-1.4T15-D40		59	40											
1616-1.4T20-D45		193	125	94	76	64	57	45						
2020-1.4T20-D45		193	125	94	76	64	57	45						
1010-2T15-D40		59	40											
1212-2T15-D40		59	40											
1616-2T20-D45		193	125	94	76	64	57	45						
2020-2T20-D45		193	125	94	76	64	57	45						
2525-2T20-D45		87	75	67	60	56	52	45						
1212-3T15-D40		59	40											
1616-3T20-D45		193	125	94	76	64	57	45						
2020-3T20-D45		193	125	94	76	64	57	45						
2525-3T20-D45		87	75	67	60	56	52	45						
2525-3T25-D60				1810	418	237	167	130	107	91	81	73	60	

TTER/L

T-CLAMP PARTING & GROOVING

Holders for external turning and grooving

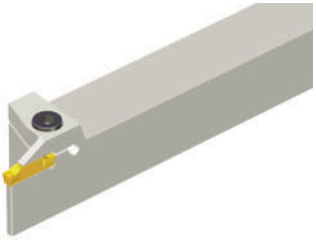


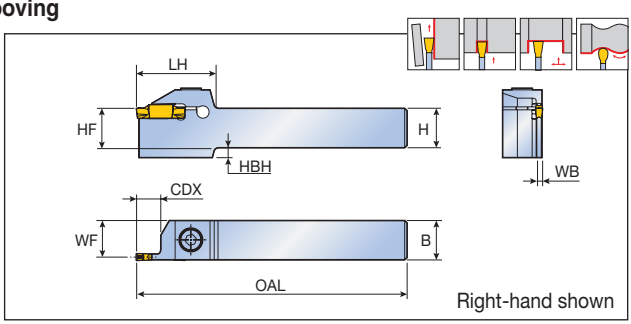


Designation		Insert seat size	Dimension (mm)								Insert
			H(HF)	B	OAL	LH	WF	WB	HBH	CDX	
TTER/L	1616-2T08	2	16	16	110	30.0	15.1	1.8	4	8	TDC/J/V/UF
	2020-2T08	2	20	20	125	30.0	19.1	1.8	-	8	TSC/J
	2525-2T08	2	25	25	150	30.0	24.1	1.8	-	8	TDCT/XU/XY/XT/T
	1616-2	2	16	16	110	32.0	15.1	1.8	4	12	B136-B147
	2020-2	2	20	20	125	32.0	19.1	1.8	-	12	
	2525-2	2	25	25	150	32.0	24.1	1.8	-	12	TSA(PCD): B154
	1616-2T17	2	16	16	110	37.0	15.1	1.8	4	17	TSG(CBN):
	2020-2T17	2	20	20	125	37.0	19.1	1.8	-	17	B152-B153
	2525-2T17	2	25	25	150	37.0	24.1	1.8	-	17	
	2525-2T20	2	25	25	150	40.0	24.1	1.8	-	20	
TTER/L	1616-3T09	3	16	16	110	30.0	14.8	2.4	4	9	
	2020-3T09	3	20	20	125	30.0	18.8	2.4	-	9	
	2525-3T09	3	25	25	150	30.0	23.8	2.4	-	9	
	1616-3	3	16	16	110	32.0	14.8	2.4	4	12	
	2020-3	3	20	20	125	32.0	18.8	2.4	-	12	
	2525-3	3	25	25	150	32.0	23.8	2.4	-	12	
	1616-3T20	3	16	16	110	38.5	14.8	2.4	-	20	
	2020-3T20	3	20	20	125	38.5	18.8	2.4	-	20	
	2525-3T20	3	25	25	150	38.5	23.8	2.4	-	20	
	2525-3T25	3	25	25	150	44.5	23.8	2.4	-	25	
	2525-3T30	3	25	25	150	49.5	23.8	2.4	-	30	
	3232-3T20	3	32	32	170	38.5	30.8	2.4	-	20	
TTER/L	1616-4T10	4	16	16	110	32.0	14.5	3.0	4	10	
	2020-4T10	4	20	20	125	32.0	18.5	3.0	-	10	
	2525-4T10	4	25	25	150	32.0	23.5	3.0	-	10	
	1616-4	4	16	16	110	33.0	14.5	3.0	4	15	
	2020-4	4	20	20	125	33.0	18.5	3.0	-	15	
	2525-4	4	25	25	150	33.0	23.5	3.0	-	15	
	1616-4T25	4	16	16	110	45.0	14.5	3.0	-	25	
	2020-4T25	4	20	20	125	45.0	18.5	3.0	-	25	
	2525-4T25	4	25	25	150	45.0	23.5	3.0	-	25	
	2525-4T30	4	25	25	150	51.0	23.5	3.0	-	30	
	3232-4T25	4	32	32	170	45.0	30.5	3.0	-	25	
TTER/L	2020-5T12	5	20	20	125	35.0	18.1	3.9	-	12	
	2525-5T12	5	25	25	150	35.0	23.1	3.9	-	12	
	2020-5	5	20	20	125	37.0	18.1	3.9	-	20	
	2525-5	5	25	25	150	37.0	23.1	3.9	-	20	
	2525-5T32	5	25	25	150	56.0	23.0	3.9	-	32	
	3232-5T20	5	32	32	170	39.0	30.0	3.9	-	20	
	3232-5T32	5	32	32	170	56.0	30.0	3.9	-	32	

TTER/L

Holders for external turning and grooving





Designation	Insert seat size	Dimension (mm)								Insert
		H(HF)	B	OAL	LH	WF	WB	HBH	CDX	
TTER/L 2020-6T12	6	20	20	125	37	17.6	4.9	-	12	TDC/J/V/UF
2525-6T12	6	25	25	150	37	22.6	4.9	7	12	TSC/J
2020-6	6	20	20	125	41	17.6	4.9	-	20	TDCT/XU/XY/XT/T
2525-6	6	25	25	150	41	22.6	4.9	7	20	B136-B147
2525-6T32	6	25	25	150	56	22.5	4.9	7	32	
3232-6T20	6	32	32	170	41	29.5	4.9	-	20	
3232-6T25	6	32	32	170	46	29.5	4.9	-	25	
3232-6T32	6	32	32	170	56	29.5	4.9	-	32	
TTER/L 2525-8T16	8	25	25	150	40	22.1	5.9	7	16	
2525-8	8	25	25	150	47	22.1	5.9	7	25	
3232-8	8	32	32	170	47	29.1	5.9	-	25	
2525-8T36	8	25	25	150	60	22.1	5.9	7	36	
3232-8T36	8	32	32	170	60	29.1	5.9	-	36	
TTER/L 2525-10T25	10	25	25	150	50	21.1	7.9	7	25	
3232-10T25	10	32	32	170	50	28.1	7.9	-	25	
4040-10T25	10	40	40	200	50	36.1	7.9	-	25	

Spare parts

Designation	Screw	Wrench		
TTER/L 1616-2/3	SH M5x0.8x16	L-W 4		
TTER/L 2020-2/3	SH M5x0.8x20	L-W 4		
TTER/L 2525-2/3	SH M5x0.8x25	L-W 4		
TTER/L 3232-3	SH M5x0.8x25	L-W 4		
TTER/L 1616-4/5	SH M6x1x16	L-W 5		
TTER/L 2020-4/5	SH M6x1x20	L-W 5		
TTER/L 2525-4/5	SH M6x1x25	L-W 5		
TTER/L 3232-4/5	SH M6x1x25	L-W 5		
TTER/L 2020-6	SH M8x1.25x20	L-W 6		
TTER/L 2525-6/8	SH M8x1.25x25	L-W 6		
TTER/L 3232-6/8/10	SH M8x1.25x25	L-W 6		
TTER/L 4040-10	SH M8x1.25x25	L-W 6		

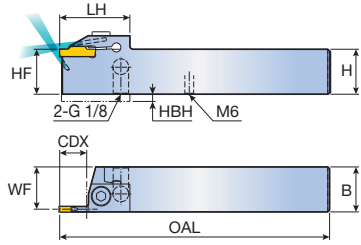
TTER/L-TB

T-CLAMP PARTING & GROOVING

Holders for turning and grooving with high pressure coolant



COOLBURST



Right-hand shown

Designation	Insert seat size	Dimension (mm)								Insert
		H(HF)	B	OAL	LH	WF	WB	HBH	CDX	
TTER/L2020-2T12-TB	2	20	20	125	37	19.1	1.8	-	12	TDC/J/V/UF TSC/J TDCT/XU/XY/XT/T B136-B147 TSA(PCD): B154 TSG(CBN): B152-B153
2525-2T12-TB	2	25	25	150	37	24.1	1.8	-	12	
2020-3-TB	3	20	20	125	37	18.8	2.4	-	12	
2525-3-TB	3	25	25	150	37	23.8	2.4	-	12	
2525-3T25-TB	3	25	25	150	49	23.8	2.4	-	25	
2020-4-TB	4	20	20	125	39	18.5	3.0	-	15	
2525-4-TB	4	25	25	150	39	23.5	3.0	-	15	
2525-5-TB	5	25	25	150	43.5	23.1	3.9	-	20	
2525-6-TB	6	25	25	150	45	22.6	4.9	7	20	
2525-8-TB	8	25	25	150	51	22.1	5.9	7	25	

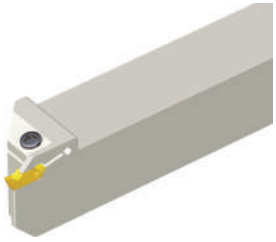
▸ Please refer to B128-B130 page for COOL-BURST accessories

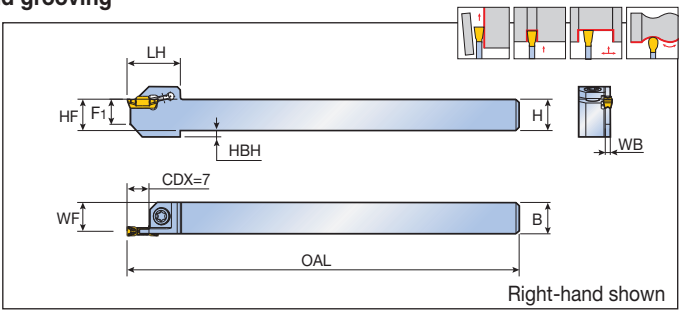
Spare parts

Designation	Screw	Plug		Wrench
				
TTER/L 2020-2/3-TB	SH M5x0.8x20	PLG G1/8-L6.5	-	L-W 4, L-W 5
TTER/L 2020-4-TB	SH M6x1.0x20	PLG G1/8-L6.5	-	L-W 5
TTER/L 2525-2/3-TB	SH M5x0.8x20	-	PLG G1/8-T8.0-L12.3	L-W 4, L-W 5
TTER/L 2525-4/5-TB	SH M6x1.0x20	-	PLG G1/8-T8.0-L12.3	L-W 5
TTER/L 2525-6/8-TB	SH M8x1.25x20	-	PLG G1/8-T8.0-L12.3	L-W 5, L-W 6

TTSER/L

Holders for external turning and grooving





Right-hand shown

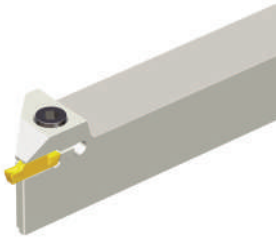
Designation	Insert seat size	Dimension (mm)								Insert
		H(HF)	B	OAL	LH	WF	WB	F1	HBH	
TTSER/L 1010-2T7	2	10	10	125	17	9.2	1.6	8	2	TDIM/TDIP
1212-2T7	2	12	12	125	17	11.2	1.6	8	-	
1616-2T7	2	16	16	125	20	15.2	1.6	11	-	B150,B151
2020-2T7	2	20	20	125	20	19.2	1.6	14	-	
2525-2T7	2	25	25	125	20	24.2	1.6	18	-	
1010-3T7	3	10	10	125	17	8.8	2.4	8	2	
1212-3T7	3	12	12	125	17	10.8	2.4	8	-	
1616-3T7	3	16	16	125	20	14.8	2.4	11	-	
2020-3T7	3	20	20	125	20	18.8	2.4	14	-	
2525-3T7	3	25	25	125	20	23.8	2.4	18	-	

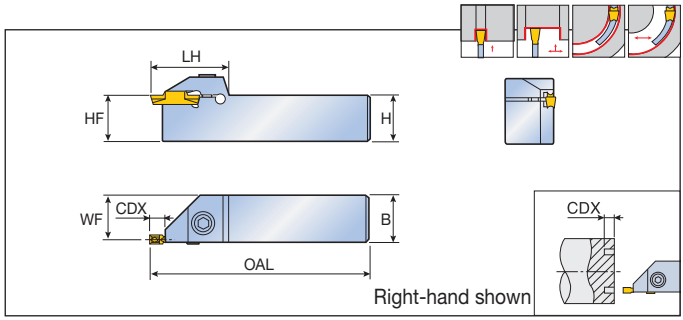
Spare parts

Designation	Screw	Wrench		
TTSER/L	TS 40097I	T 15		

TGFR/L

Holders for shallow grooving





Designation	Insert seat size	Dimension (mm)						Insert
		H(HF)	B	OAL	LH	WF	CDX	
TGFR/L 1616-4	2, 3, 4	16	16	110	33	14.5	4.8	TDC/J/V/UF
2020-4	2, 3, 4	20	20	125	33	18.5	4.8	TSC/J
2525-4	2, 3, 4	25	25	150	33	23.5	4.8	TDCT/XU/XY/XT/T
2020-6	5, 6	20	20	125	37	17.6	4.8	TDMV
2525-6	5, 6	25	25	150	37	22.6	4.8	B136-B143

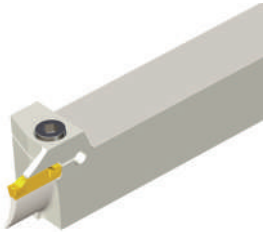
- External turning & grooving is available depending on the insert type
- Please check insert min. dia for face grooving B89 page

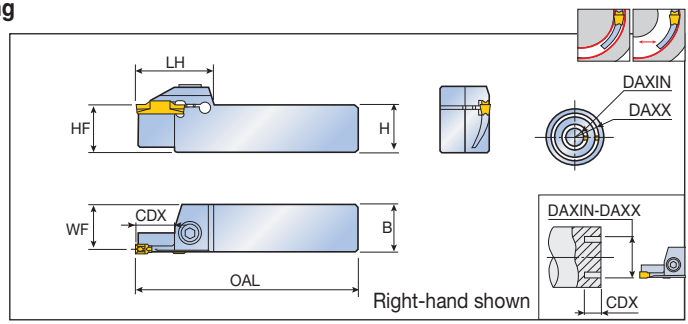
Spare parts

Designation	Screw	Wrench		
				
TGFR/L 1616	SH M6x1x16	L-W 5		
TGFR/L 2020	SH M6x1x20	L-W 5		
TGFR/L 2525	SH M6x1x25	L-W 5		

TTFR/L

Holders for deep face grooving





Designation		Insert seat size	Dimension (mm)								Insert
			H(HF)	B	OAL	LH	WF	CDX	DAXIN	DAXX	
TTFR/L	**25-30-3**	3	25	25	150	32	24.0	10	24	35	TDC/J/V/UF
	25-35-3	3	25	25	150	32	24.0	10	29	40	TSC/J
	25-40-3	3	25	25	150	32	24.0	10	34	50	TDCT/XU/XY/XT/T
	25-50-3	3	25	25	150	32	24.0	15	44	60	B136-B147
	25-60-3	3	25	25	150	32	24.0	15	54	85	
	25-30-4	4	25	25	150	33	23.6	12	22	40	
	25-40-4	4	25	25	150	33	23.6	15	32	50	
	25-50-4	4	25	25	150	33	23.6	15	42	60	
	25-60-4	4	25	25	150	33	23.6	15	52	85	
	25-60-5	5	25	25	150	41	23.1	20	50	80	
	25-80-5	5	25	25	150	41	23.1	20	70	110	
	25-110-5	5	25	25	150	41	23.1	20	110	150	
	25-150-5	5	25	25	150	41	23.1	20	140	200	
	25-60-6	6	25	25	150	41	22.6	20	48	85	
	25-85-6	6	25	25	150	41	22.6	20	73	150	
	25-150-6	6	25	25	150	41	22.6	20	138	250	
	25-250-6	6	25	25	150	41	22.6	20	250	N.L.	

- Please check insert min. dia for face grooving B89 page
- N.L.: No limit

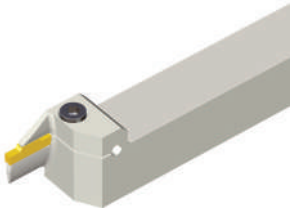
Spare parts

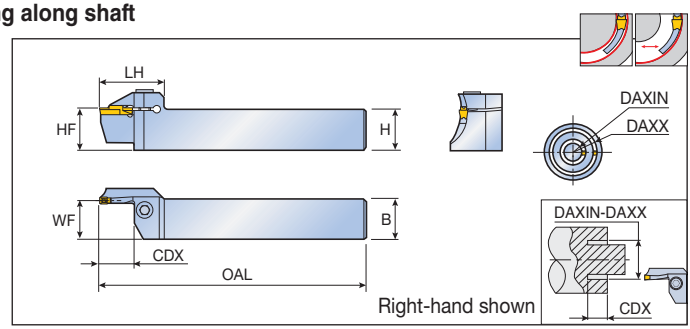
Designation	Screw	Wrench		
TTFR/L...-3	SH M5x0.8x25	L-W 4		
TTFR/L...-4	SH M6x1x25	L-W 5		
TTFR/L...-5	SH M8x1.25x25	L-W 5		
TTFR/L...-6	SH M8x1.25x25	L-W 5		

TTFR/L-RN

T-CLAMP PARTING & GROOVING

Holders for deep face grooving along shaft





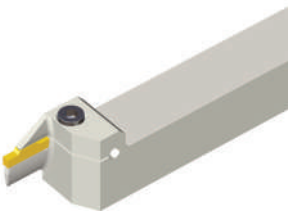
Designation		Insert seat size	Dimension (mm)								Insert
			H(HF)	B	OAL	LH	WF	CDX	DAXIN	DAXX	
TTFR/L	**20-21-30-3T10 RN**	3	20	20	140	31	19.0	10	21	30	TDC/J/V/UF
	20-24-35-3T10 RN	3	20	20	140	31	19.0	10	24	35	TSC/J
	20-29-40-3T10 RN	3	20	20	140	31	19.0	10	29	40	TDCT/XU/XY/XT/T
	20-34-50-3T10 RN	3	20	20	140	31	19.0	10	34	50	B136-B147
	20-44-70-3T15 RN	3	20	20	140	35	19.0	15	44	70	
	20-64-100-3T15 RN	3	20	20	140	35	19.0	15	64	100	
	25-30-3 RN	3	25	25	150	35	24.0	10	24	35	
	25-35-3 RN	3	25	25	150	35	24.0	10	29	40	
	25-40-3 RN	3	25	25	150	35	24.0	10	34	50	
	25-50-3 RN	3	25	25	150	35	24.0	15	44	70	
	25-70-3 RN	3	25	25	150	35	24.0	15	64	100	
	20-19-30-4T10 RN	4	20	20	140	31	18.6	10	19	30	
	20-22-36-4T10 RN	4	20	20	140	31	18.6	10	22	36	
	20-28-42-4T16 RN	4	20	20	140	36	18.6	16	28	42	
	20-34-50-4T16 RN	4	20	20	140	36	18.6	16	34	50	
	20-42-70-4T16 RN	4	20	20	140	36	18.6	16	42	70	
	20-62-120-4T16 RN	4	20	20	140	36	18.6	16	62	120	
	20-112-200-4T16 RN	4	20	20	140	36	18.6	16	112	200	
	25-30-4 RN	4	25	25	150	35	23.6	10	22	36	
	25-36-4 RN	4	25	25	150	39	23.6	20	28	42	
	25-42-4 RN	4	25	25	150	39	23.6	20	34	50	
	25-50-4 RN	4	25	25	150	39	23.6	20	42	70	
	25-70-4 RN	4	25	25	150	39	23.6	20	62	120	
	25-120-4 RN	4	25	25	150	39	23.6	20	112	200	
	25-200-4 RN	4	25	25	150	39	23.6	20	200	N.L.	
	25-60-5T15 RN	5	25	25	150	41	23.1	15	50	80	
	25-60-5 RN	5	25	25	150	49	23.1	25	50	80	
	25-80-5T15 RN	5	25	25	150	41	23.1	15	70	110	
	25-80-5 RN	5	25	25	150	49	23.1	25	70	110	
	25-110-5 RN	5	25	25	150	49	23.1	25	100	150	
	25-150-5 RN	5	25	25	150	49	23.1	25	140	200	
	25-200-5 RN	5	25	25	150	49	23.1	25	200	N.L.	

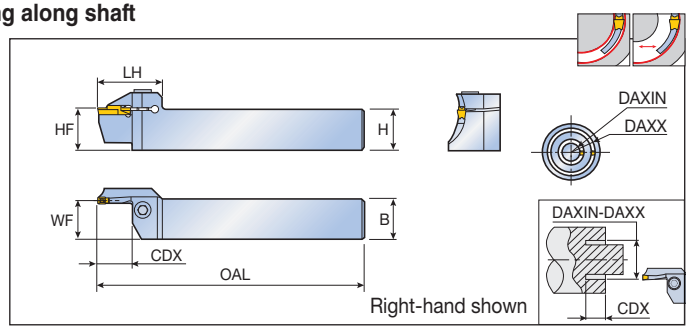
▸ Please check insert min. dia for face grooving B89 page
▸ N.L.: No limit

TTFR/L-RN

T-CLAMP PARTING & GROOVING

Holders for deep face grooving along shaft





Designation		Insert seat size	Dimension (mm)								Insert
			H(HF)	B	OAL	LH	WF	CDX	DAXIN	DAXX	
TTFR/L	**25-60-6 RN**	6	25	25	150	49	22.6	25	48	70	TDC/J/V/UF
	25-70-6 RN	6	25	25	150	49	22.6	25	58	100	TSC/J
	25-100-6 RN	6	25	25	150	49	22.6	25	88	180	TDCT/XU/XY/XT/T
	25-180-6 RN	6	25	25	150	49	22.6	25	168	400	B136-B147
	25-400-6 RN	6	25	25	150	49	22.6	25	400	N.L.	

- Please check insert min. dia for face grooving B89 page
- N.L.: No limit

Insert initial min.Dia (D_{min}) for face grooving

Machining	Insert	Size (mm)	Min. dia. (mm)	Insert	Size (mm)	Min. dia. (mm)
Facing Min. dia. of face machining	**TDJ/C TDUF / TDV**	3	54	**TDT RU TDT RS**	3	41
		4	34		4	36
		5	49		5	54
		6	46		6	54
	TDT	3	44	**TDCT TDXU TDXT TDXY**	3	18
		4	42		4	18
		5	50		5	20
		6	48		6	18

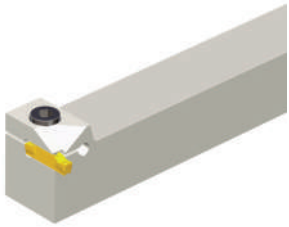
Spare parts

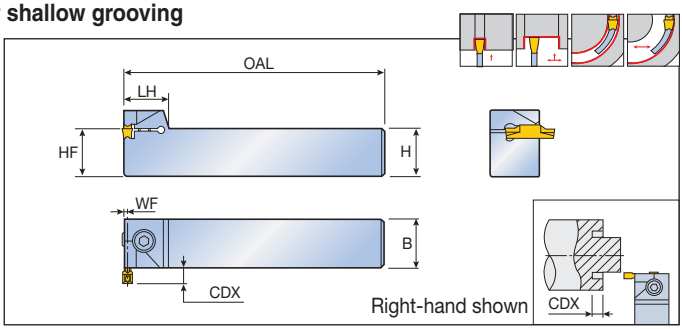
Designation	Screw	Wrench		
				
TTFR/L 20...RN	SH M6x1x20	L-W 5		
TTFR/L 25...3/4 RN	SH M6x1x25	L-W 5		
TTFR/L 25...5/6 RN	SH M8x1.25x25	L-W 6		

TGFPR/L

T-CLAMP PARTING & GROOVING

Perpendicular type holders for shallow grooving





Designation	Insert seat size	Dimension (mm)							Insert
		H	HF	B	OAL	LH	WF	CDX	
TGFPR/L 2020-4	2, 3, 4	20	20	20	125	18	1.5	4.8	TDC/J/V/UF
2525-4	2, 3, 4	25	25	25	150	18	1.5	4.8	TSC/J
2525-6	5, 6	25	25	25	150	22	2.5	4.8	TDCT/XU/XY/XT/T TDMV B136-B147

- External Turning & Grooving is available depending on the insert
- Please check insert min. dia for face grooving B89 page

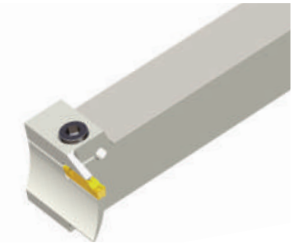
Spare parts

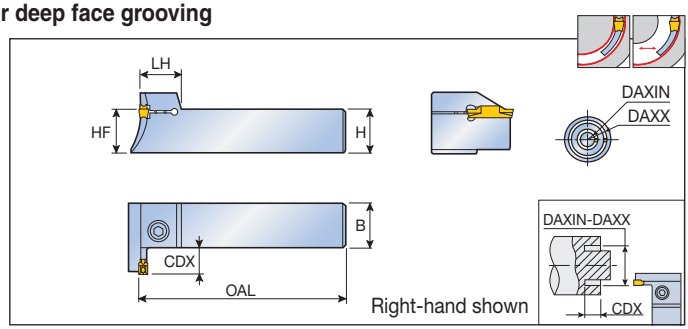
Designation	Screw	Wrench		
				
TGFPR/L 2020	SH M6x1x20	L-W 5		
TGFPR/L 2525	SH M6x1x25	L-W 5		
TGFPR/L 2525	SH M6x1x25	L-W 5		

ADVANCE CUTTING TaeguTec

TTFPR/L

Perpendicular type holders for deep face grooving





Designation		Insert seat size	Dimension (mm)							Insert
			H(HF)	B	OAL	LH	CDX	DAXIN	DAXX	
TTFPR/L	**25-30-3**	3	25	25	150	18.0	10	24	35	TDC/J/V/UF
	25-35-3	3	25	25	150	18.0	10	29	40	TSC/J
	25-40-3	3	25	25	150	18.0	10	34	50	TDCT/XU/XY/XT/T
	25-50-3	3	25	25	150	18.0	15	44	60	B136-B147
	25-60-3	3	25	25	150	18.0	15	54	85	
	25-30-4	4	25	25	150	18.5	12	22	40	
	25-40-4	4	25	25	150	18.5	15	32	50	
	25-50-4	4	25	25	150	18.5	15	42	60	
	25-60-4	4	25	25	150	18.5	15	52	85	
	25-60-5	5	25	25	150	22.0	20	50	80	
	25-80-5	5	25	25	150	22.0	20	70	110	
	25-110-5	5	25	25	150	22.0	20	100	150	
	25-150-5	5	25	25	150	22.0	20	140	200	
	25-200-5	5	25	25	150	22.0	20	200	N.L.	
	25-60-6	6	25	25	150	22.0	20	48	85	
	25-85-6	6	25	25	150	22.0	20	73	150	
	25-150-6	6	25	25	150	22.0	20	138	250	
	25-250-6	6	25	25	150	22.0	20	250	N.L.	

- Please check insert min. dia for face grooving B89 page
- N.L.: No limit

Spare parts

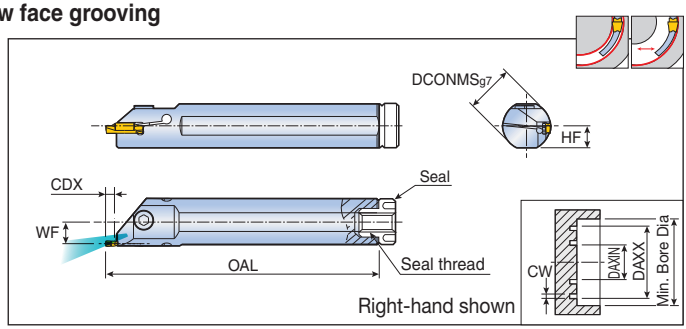
Designation	Screw	Wrench		
				
TTFPR/L...-3	SH M5x0.8x25	L-W 4		
TTFPR/L...-4	SH M6x1x25	L-W 5		
TTFPR/L...-5	SH M8x1.25x25	L-W 6		
TTFPR/L...-6	SH M8x1.25x25	L-W 6		

TGIFR/L

T-CLAMP PARTING & GROOVING

Internal boring bars for shallow face grooving





Designation	Insert seat size	Dimension (mm)					Insert
		DCONMS	OAL	WF	HF	CDX	
TGIFR/L 25-4C-T5.5	3, 4	25	200	11.3	11.5	5.5	TDC/J/V/UF
32-4C-T5.5	3, 4	32	250	14.8	15.0	5.5	TSC/J
25-6C-T5.5	5, 6	25	200	10.3	11.5	5.5	TDCT/XU/XY/XT/T
32-6C-T5.5	5, 6	32	250	13.8	15.0	5.5	B136-B147

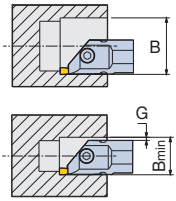
▸ Please check insert min. dia for face grooving B89 page

CW	Min. Bore Dia		DAXIN				DAXX
	DCONMS ø25	DCONMS ø32	TDC/J/UF/V	TDXU / TDXT	TDT	TDT-RU/RS	
3	26.3	33.3	54	18	44	41	
4	26.8	33.8	34	18	42	36	No limit
5	26.3	33.3	49	20	50	54	
6	26.8	33.8	46	18	48	54	

TGIFR/L Application

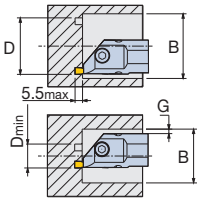
Boring

B_{min}=WF+DCONMS/2+CW/2+2G



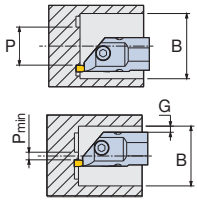
Face grooving

D_{min}=2WF+DCONMS+CW-B+2G



Face recessing

P_{min}=2WF+DCONMS-CW-B+2G



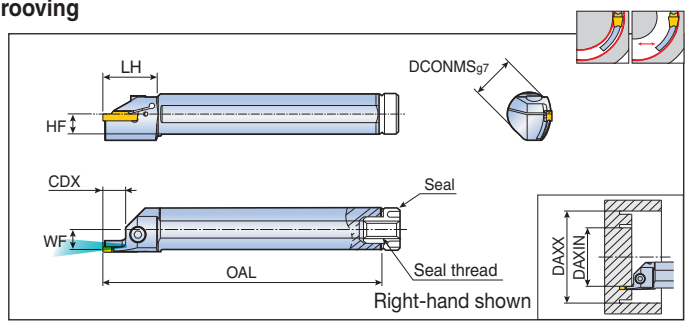
Spare parts

Designation	Screw	Wrench	Seal	
				
TGIFR/L 25	SH M6x1x16	L-W 5	PL 25 (R1/8)	
TGIFR/L 32	SH M6x1x16	L-W 5	PL 32 (R1/8)	

TTFIR/L

Internal boring bars for face grooving





Designation		Insert seat size	Dimension (mm)								Insert
			DCONMS	OAL	LH	WF	HF	CDX	DAXIN	DAXX	
TTFIR/L	**25-3T12 20-33**	3	25	200	31	11.5	11.5	12	20	33	TDC/J/V/UF
	25-3T12 26-39	3	25	200	31	11.5	11.5	12	26	39	TSC/J
	25-3T12 33-48	3	25	200	31	11.5	11.5	12	33	48	TDCT/XU/XY/XT/T
	25-3T12 42-60	3	25	200	31	11.5	11.5	12	42	60	B136-B147
	25-3T12 54-85	3	25	200	31	11.5	11.5	12	54	85	
	25-3T12 79-150	3	25	200	31	11.5	11.5	12	79	150	
	25-4T12 18-34	4	25	200	31	11.0	11.5	12	18	34	
	25-4T12 26-42	4	25	200	31	11.0	11.5	12	26	42	
	25-4T12 34-55	4	25	200	31	11.0	11.5	12	34	55	
	32-4T12 47-70	4	32	250	31	14.5	15.0	12	47	70	
	32-4T12 62-100	4	32	250	31	14.5	15.0	12	62	100	
	32-4T12 92-180	4	32	250	31	14.5	15.0	12	92	180	

▸ Please check insert min. dia for face grooving B89 page

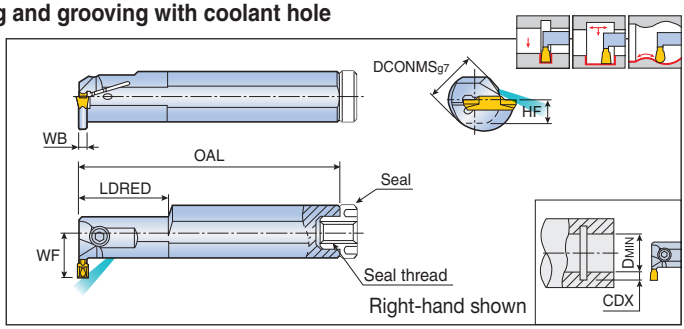
Spare parts

Designation	Screw	Wrench	Seal	
TTFIR/L 25	SH M5x0.8x16	L-W 4	PL 25 (R1/8)	
TTFIR/L 32	SH M5x0.8x16	L-W 4	PL 32 (R1/8)	

TTIR/L-C

Internal boring bars for turning and grooving with coolant hole





Designation		Insert seat size	Dimension (mm)								Insert
			DCONMS	OAL	LDRED	WF	HF	WB	CDX	DMIN	
TTIR/L	**16-2C**	2	16	125	-	16.5	7.5	1.8	8.5	25	TDC/J/V/UF
	20-2C	2	20	160	40	15.8	9.0	1.6	6.0	25	TSC/J
	25-2C	2	25	200	40	17.5	11.5	1.6	5.0	25	TDCT/XU/XY/XT/T
	32-2C-T8	2	32	250	40	24.8	14.0	1.8	8.0	36	TDIT
	20-3C	3	20	160	40	15.8	9.0	2.1	6.0	25	B136-B147
	25-3C	3	25	200	40	17.5	11.5	2.1	5.1	25	
	25-3C-T8	3	25	200	40	21.5	11.5	2.4	8	32	
	32-3C	3	32	250	60	20.8	14.0	2.1	4.7	31	
	32-3C-T10	3	32	250	60	27.0	15.0	2.4	10	40	
	40-3C-T12	3	40	300	65	33.0	19.0	2.4	12	50	
	20-4C	4	20	160	40	15.8	9.0	2.9	6.0	25	
	25-4C	4	25	200	40	17.5	11.5	2.9	5.2	25	
	25-4C-T8	4	25	200	40	21.5	11.5	3.0	8	32	
	32-4C	4	32	250	60	20.8	14.0	2.9	4.7	31	
	32-4C-T10	4	32	250	60	27.0	15.0	3.0	10	40	
	40-4C-T12	4	40	300	65	33.0	19.0	3.0	12	50	
	50-4C-T14	4	50	350	70	40.0	23.5	3.0	14	60	
	25-5C	5	25	200	40	17.3	11.5	3.9	5.2	31	
	32-5C	5	32	250	60	20.8	14.0	3.9	4.7	31	
	32-5C-T10	5	32	250	60	27.0	15.0	3.9	10	40	
	40-5C-T12	5	40	300	65	33.0	19.0	3.9	12	50	
	50-5C-T14	5	50	350	70	40.0	23.5	3.9	14	60	
	32-6C	6	32	250	60	20.8	14.0	4.9	4.7	31	
	32-6C-T10	6	32	250	60	27.0	15.0	4.9	10	40	
	40-6C-T12	6	40	300	65	33.0	19.0	4.9	12	50	
	50-6C-T14	6	50	350	70	40.0	23.5	4.9	14	60	
	32-8C	8	32	250	60	21.3	14.5	5.9	5.5	37	
	40-8C	8	40	300	65	25.8	19.0	5.9	5.8	42	

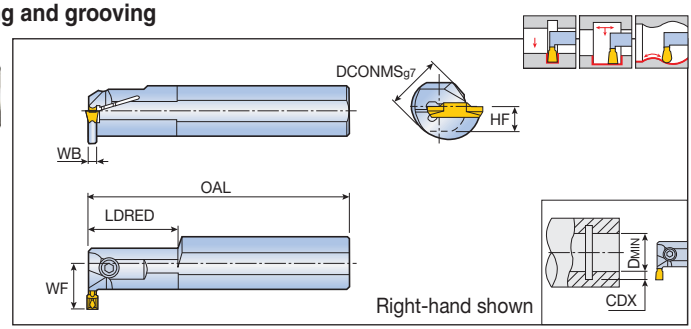
▸ Please check insert min. dia for internal grooving B95 page

TTIR/L

T-CLAMP PARTING & GROOVING

Internal boring bars for turning and grooving





Designation	Insert seat size	Dimension (mm)								Insert
		DCONMS	OAL	LDRED	WF	HF	WB	CDX	DMIN	
TTIR/L 16-2	2	16	125	-	16.5	7.5	1.8	8.5	25	TDC/J/V/UF
20-2	2	20	160	40	15.8	9.0	1.6	6.0	25	TSC/J
25-2	2	25	200	40	17.5	11.5	1.6	5.0	25	TDCT/XU/XY/XT/T
32-2	2	32	250	60	20.8	14.0	1.5	4.7	31	TDIT
20-3	3	20	160	40	15.8	9.0	2.1	6.0	25	B136-B147
25-3	3	25	200	40	17.5	11.5	2.1	5.1	25	
32-3	3	32	250	60	20.8	14.0	2.1	4.7	31	
20-4	4	20	160	40	15.8	9.0	2.9	6.0	25	
25-4	4	25	200	40	17.5	11.5	2.9	5.2	25	
32-4	4	32	250	60	20.8	14.0	2.9	4.7	31	

- Without "C" on the description: non-coolant hole type
- Please check insert min. dia for internal grooving

Machining	TDJ/C/UF/V		TDT		TDT RU/RS		TDCT/TDXU/TDIT/TDXT/TDXY	
	Size (mm)	Min. dia. (mm)	Size (mm)	Min. dia. (mm)	Size (mm)	Min. dia. (mm)	Size (mm)	Min. dia. (mm)
Internal grooving	2	40	3	40	2	41	2	24
Min. dia. of internal machining	3	50	4	40	3	38	3	24
	4	50	5	50	4	38	4	21
	5	60	6	50	5	43	5	30
	6	60	8	62	6	46	6	31
	8	70			8	56	8	33

Spare parts

Designation	Screw	Wrench	Seal*	
TTIR/L 16-2	SH M5x0.8x10	L-W 4	PL 16 (M6)	
TTIR/L 20-2/3/4	SH M5x0.8x12	L-W 4	PL 20 (M6)	
TTIR/L 25-2/3/4	SH M5x0.8x16	L-W 4	PL 25 (R1/8)	
TTIR/L 32-2/3/4	SH M5x0.8x16	L-W 4	PL 32 (R1/8)	
TTIR/L 40-3/4	SH M5x0.8x16	L-W 4	PL 40 (R1/8)	
TTIR/L 50-4	SH M5x0.8x20	L-W 4	PL 40 (R1/8)	
TTIR/L 25-5/6	SH M6x1x16	L-W 5	PL 25 (R1/8)	
TTIR/L 32-5/6	SH M6x1x20	L-W 5	PL 32 (R1/8)	
TTIR/L 40/50-5/6	SH M6x1x25	L-W 5	PL 40 (R1/8)	

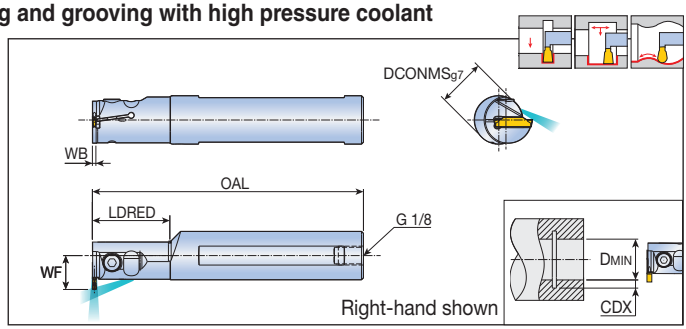
- *: For through coolant type only

TTIR/L-TB

T-CLAMP PARTING & GROOVING

Internal boring bars for turning and grooving with high pressure coolant





Designation		Insert seat size	Dimension (mm)							Insert
			DCONMS	OAL	LDRED	WF	WB	CDX	DMIN	
TTIR/L	**20-2T06-TB**	2	20	120	40	17	1.8	6	27	TDC/J/V/UF TSC/J TDCT/XU/XY/XT/T TDIT B136-B147
	25-2T06-TB	2	25	150	40	19.5	1.8	6	29	
	20-3T06-TB	3	20	120	40	17	2.4	6	27	
	25-3T06-TB	3	25	150	40	19.5	2.4	6	29	
	32-3T10-TB	3	32	150	60	27	2.4	10	40	
TTIR	**20-4T06-TB**	4	20	120	40	17	3	6	27	
	25-4T06-TB	4	25	150	40	19.5	3	6	29	
	32-4T10-TB	4	32	150	60	27	3	10	40	

- Please refer to B128-B130 page for COOL-BURST accessories
- Please check insert min. dia for internal grooving B95 page

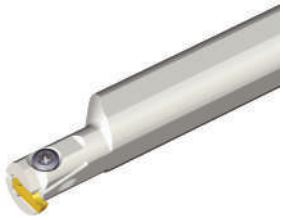
Spare parts

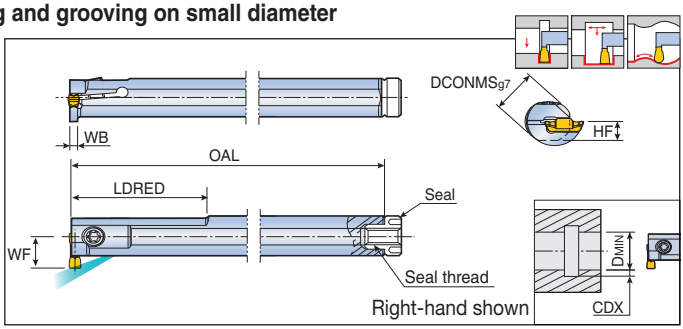
Designation	Screw	Wrench		
				
TTIR/L-20-TB	SH M5x0.8x12	L-W 4		
TTIR/L-25/32-TB	SH M5x0.8x16	L-W 4		

ADVANCE CUTTING TaeguTec

TTSIR/L

Internal boring bars for turning and grooving on small diameter





Designation		Insert seat size	Dimension (mm)								Coolant inlet	Insert
			DCONMS	OAL	LDRED	WF	HF	WB	CDX	DMIN		
TTSIR/L	**10-12.5-2**	2	10	125	25	7.5	4.5	1.6	2.4	12.5	Ø4	TDIM/TDIP
	12-14-2	2	12	125	35	9.1	5.5	1.6	2.6	14.0	Ø6	
	16-12.5-2	2	16	150	20	10.5	7.5	1.6	2.4	12.5	-	B150-B151
	16-14-2	2	16	150	25	11.0	7.5	1.6	2.6	14.0	-	
	16-16-2	2	16	150	40	11.0	7.5	1.6	3.0	16.0	-	
	12-14-3	3	12	125	35	9.1	5.5	2.0	2.6	14.0	Ø6	
	16-12.5-3	3	16	150	20	10.5	7.5	2.0	2.4	12.5	-	
	16-14-3	3	16	150	25	11.0	7.5	2.0	2.6	14.0	-	
	16-16-3	3	16	150	40	11.0	7.5	2.0	3.0	16.0	-	
	20-20-3	3	20	150	40	14.0	9.0	2.0	4.0	20.0	-	

Spare parts

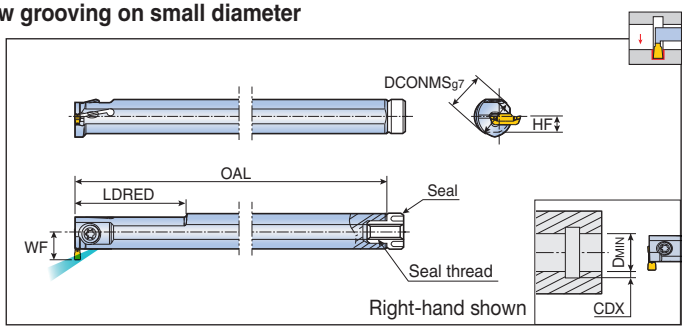
Designation	Screw	Wrench	Seal	
TTSIR/L 10/12	TS 40093I	T 15	-	
TTSIR/L 16-12/14	TS 40093I	T 15	PL 16 (M6)	
TTSIR/L 16-16	TS 50125I	T 20	PL 16 (M6)	
TTSIR/L 20	TS 50125I	T 20	PL 20 (M6)	

TGSIR/L

T-CLAMP PARTING & GROOVING

Internal boring bars for shallow grooving on small diameter





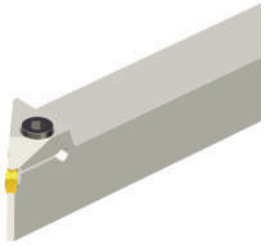
Designation		Insert seat size	Dimension (mm)							Coolant inlet	Insert
			DCONMS	OAL	LDRED	WF	HF	CDX	DMIN		
TGSIR/L	**10-13-2**	2, 3	10	125	25	7.6	5	2.5	12.5	Ø4	TDIM/TDIP
	12-14-2	2, 3	12	125	32	9.0	6	2.5	14.0	Ø6	
	16-13-2	2, 3	16	150	20	10.6	8	2.5	13.0	-	B150-B151
	16-14-2	2, 3	16	150	25	10.9	8	2.5	14.0	-	
	16-16-2	2, 3	16	150	40	10.5	8	2.5	16.0	-	

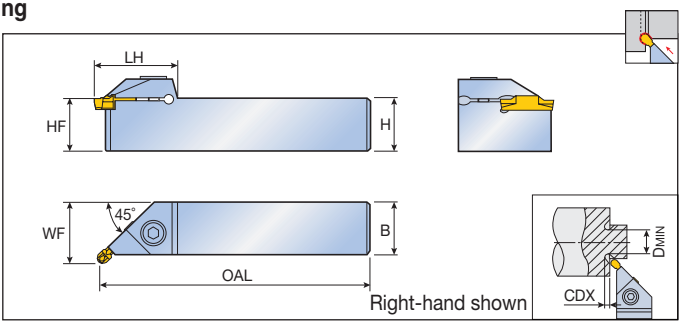
Spare parts

Designation	Screw	Wrench	Seal	
TGSIR/L 10/12	TS 40093I	T 15	-	
TGSIR/L 16	TS 40093I	T 15	PL 16 (M6)	

TGEUR/L

Holders for external undercutting





Designation	Insert seat size	Dimension (mm)								Insert
		H	HF	B	OAL	LH	WF	CDX	DMIN	
TGEUR/L 1616-3	3	16	16	16	110	30	19.3	2.8	32	TDT(Full R)
2020-3	3	20	20	20	125	30	23.3	2.8	32	TDIT(Full R)
2525-3	3	25	25	25	150	30	28.3	2.8	32	TDT-RU/RS
1616-4	4	16	16	16	110	31	19.5	2.8	32	
2020-4	4	20	20	20	125	31	23.5	2.8	32	B146-B149
2525-4	4	25	25	25	150	31	28.5	2.8	32	
2525-6	5, 6	25	25	25	150	35	28.9	3.4	34	

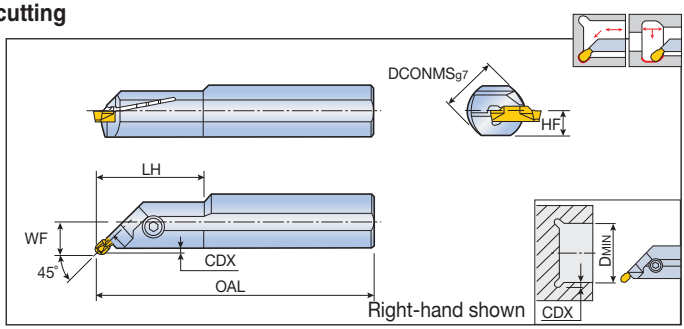
Spare parts

Designation	Screw	Wrench		
TGEUR/L 1616-3	SH M5x0.8x16	L-W 4		
TGEUR/L 2020-3	SH M5x0.8x20	L-W 4		
TGEUR/L 2525-3	SH M5x0.8x25	L-W 4		
TGEUR/L 1616-4	SH M6x1x16	L-W 5		
TGEUR/L 2020-4	SH M6x1x20	L-W 5		
TGEUR/L 2525-4/6	SH M6x1x25	L-W 5		

TGIUR/L

Internal boring bars for undercutting





Designation		Insert seat size	Dimension (mm)							Insert
			DCONMS	OAL	LH	WF	HF	CDX	DMIN	
TGIUR/L	**20-3**	3	20	160	-	12.8	9.5	2.8	38	TDT(Full R) TDIT(Full R) TDT-RU/RS B146-B149
	25-3	3	25	200	40	14.8	11.5	2.8	38	
	20-4	4	20	160	-	12.9	9.5	2.8	38	
	25-4	4	25	200	40	14.9	11.5	2.8	38	
	25-6	5, 6	25	200	-	15.2	11.5	2.8	46	

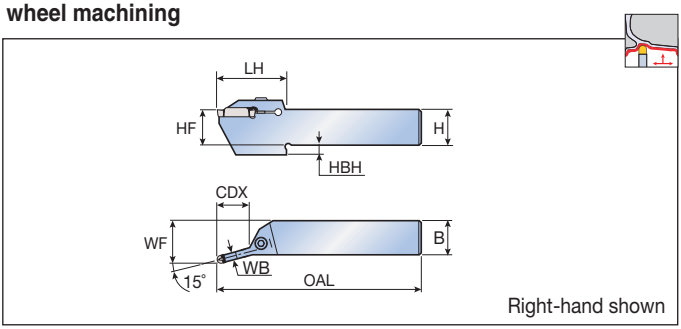
Spare parts

Designation	Screw	Wrench		
				
TGIUR/L 20-3	SH M5x0.8x12	L-W 4		
TGIUR/L 20-4	SH M5x0.8x16	L-W 4		
TGIUR/L 25-3/4	SH M5x0.8x16	L-W 4		
TGIUR/L 25-6	SH M6x1x16	L-W 5		

TTER/L-15A

Holders for external aluminum wheel machining





Right-hand shown

Designation		Insert seat size	Dimension (mm)									Insert
			H	HF	B	OAL	LH	WF	WB	HBH	CDX	
TTER/L	**2525-6-15A**	6	25	25	25	150	51	30	4.90	7	25.0	TDA/TSA (PCD) B148, B154
	2525-8-15A	8	25	25	25	150	55	30	5.90	7	30.0	

Spare parts

Designation	Screw	Wrench		
				
TTER/L	SH M6x1x25	L-W 5		

TGIUR/L-15A

Internal boring bars for aluminum wheel machining



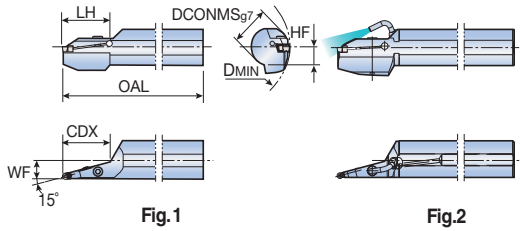


Fig.1 Fig.2

Right-hand shown

Designation		Insert seat size	Dimension (mm)							Fig.	Coolant hole	Insert
			DCONMS	OAL	LH	WF	HF	CDX	DMIN			
TGIUR/L	**40-6-15A**	6	40	320	60	19.8	19.0	50.00	160	1	x	TDA/TSA (PCD) B148, B154
	40-6C-15A	6	40	320	60	19.8	19.0	50.00	160	2	●	
	50-6C-15A	6	50	350	85	25.2	23.5	85.00	200	2	●	
	40-8-15A	8	40	320	65	20.2	19.0	81.35	160	1	x	
	40-8C-15A	8	40	320	85	20.2	19.0	83.00	160	2	●	
	50-8C-15A	8	50	350	85	25.9	23.5	85.00	200	2	●	

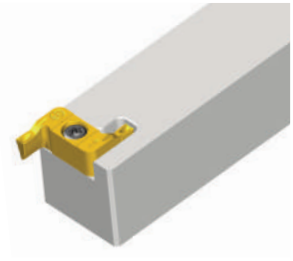
Spare parts

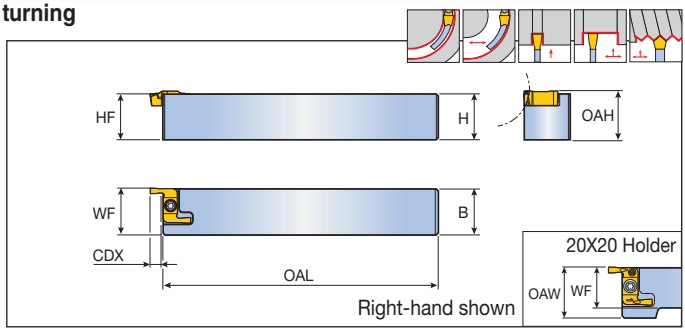
Designation	Screw	Wrench	Seal	Pipe	Nozzle
TGIUR/L	SH M6x1x25	L-W 5	PL 40 (R1/8)	NZP 5	NZ 125

TXFR/L

FACERUSH

Holders for face grooving and turning



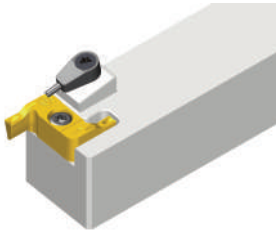


Designation		Dimension (mm)								Insert
		H	HF	B	OAL	OAH	WF	CDX	OAW	
TXFR/L	**2020**	20	20	20	125	21.5	20.5	6	25.5	TDF(G)X ... B155
	2525	25	25	25	150	26.5	25.5	6	25.5	

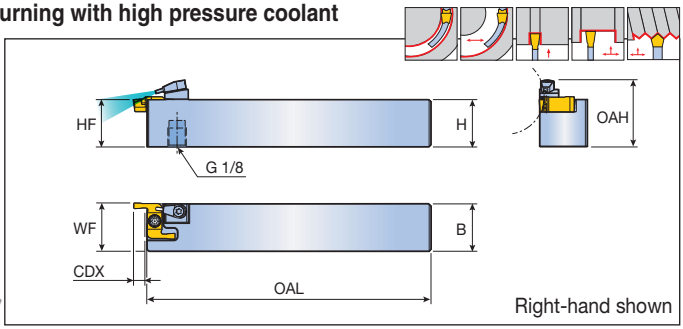
TXFR/L-TB

FACERUSH

Holders for face grooving and turning with high pressure coolant



COOLBURST



Designation		Dimension (mm)							Insert
		H	HF	B	OAL	OAH	WF	CDX	
TXFR/L	**2525-TB**	25	25	25	150	35.5	25.5	6	TDF(G)X ... B155

▸ Please refer to B128-B130 page for COOL-BURST accessories

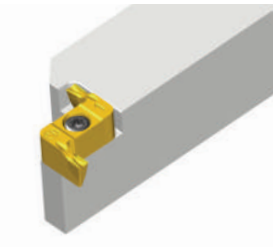
Spare parts

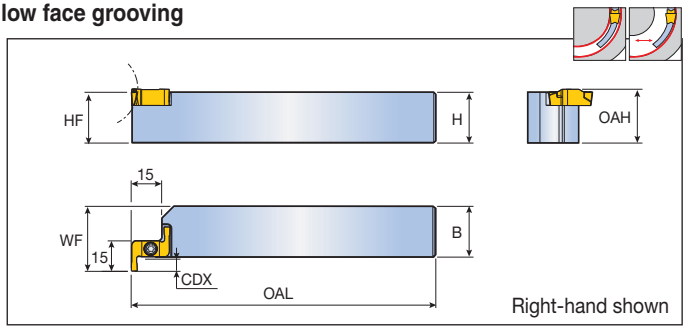
Designation	Screw	Wrench	Cooling unit	
				
TXFR	TS 40E113I/HG	L-T15	-	
TXFL	TS 40E113IL/HG	L-T15	-	
TXFR-TB	TS 40E113I/HG	L-T15	S-CU-TB	
TXFL-TB	TS 40E113IL/HG	L-T15	S-CU-TB	

TXFPR/L

FACERUSH

Perpendicular holders for shallow face grooving



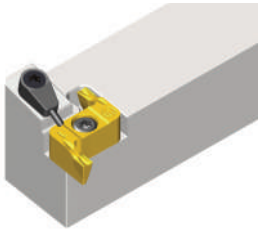


Designation	Dimension (mm)							Insert
	H	HF	B	OAL	OAH	WF	CDX	
TXFPR/L 2020	20	20	20	125	21.5	27	6	TDFX ...
2525	25	25	25	150	26.5	32	6	B155

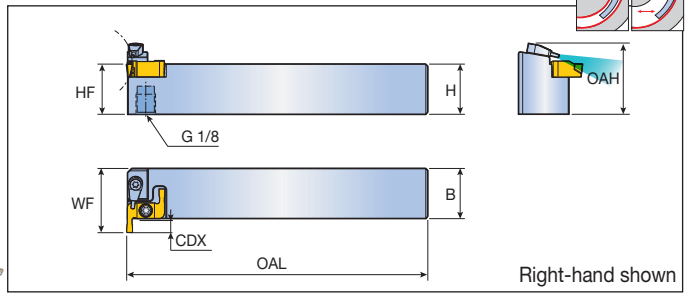
TXFPR/L-TB

FACERUSH

Perpendicular holders for shallow face grooving with high pressure coolant



COOLBURST



Designation	Dimension (mm)							Insert
	H	HF	B	OAL	OAH	WF	CDX	
TXFPR/L 2525-TB	25	25	25	150	35.5	32	6	TDFX ...
								B155

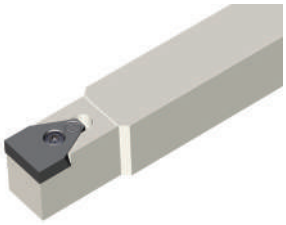
▸ Please refer to B128-B130 page for COOL-BURST accessories

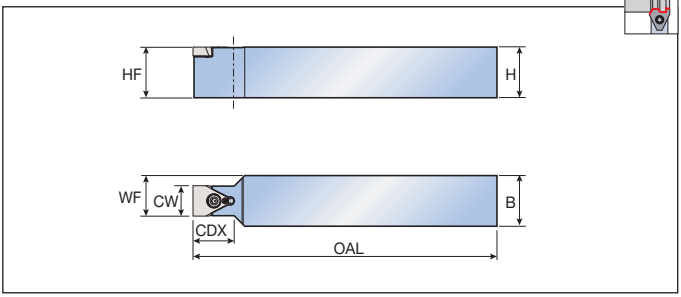
Spare parts

Designation	Screw	Wrench	Cooling unit	
				
TXFPR	TS 40E113I/HG	L-T15	-	
TXFPL	TS 40E113IL/HG	L-T15	-	
TXFPR-TB	TS 40E113I/HG	L-T15	S-CU-TB	
TXFPL-TB	TS 40E113IL/HG	L-T15	S-CU-TB	

TTLEN

Holders for external wide grooving and profiling





Designation		Dimension (mm)							Insert [1]
		H	HF	B	OAL	WF	CDX	CW	
TTLEN	**1212 K10**	12	12	12	125	11.0	20	10	TGUX B156
	1616 K10	16	16	16	125	13.0	20	10	
	2020 M10	20	20	20	150	15.0	20	10	
	2525 M10	25	25	25	150	17.5	20	10	
	1616 K15	16	16	16	125	15.5	20	15	
	2020 M15	20	20	20	150	17.5	20	15	
	2525 M15	25	25	25	150	20.0	20	15	
	2020 K20	20	20	20	125	20.0	35	20	
	2525 M20	25	25	25	150	22.5	35	20	
	3232 P20	32	32	32	170	26.0	35	20	
	2020 K25	20	20	20	125	22.5	35	25	
	2525 M25	25	25	25	150	25.0	35	25	
	3232 P25	32	32	32	170	28.5	35	25	

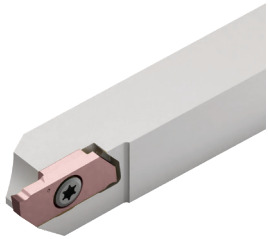
▸ [1] Designation of final insert will be different to the semi finished blank

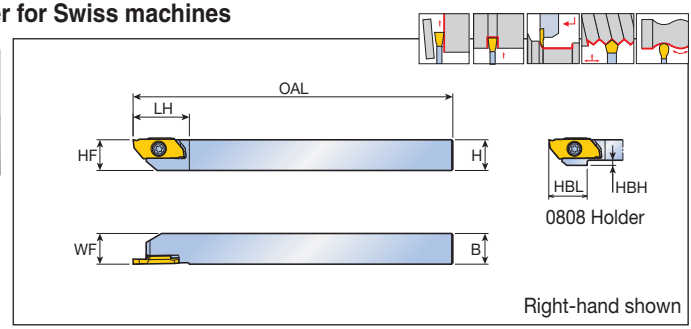
Spare parts

Designation	Screw	Wrench		
				
TTLEN ...K10/K15/M10/M15	TS 40B100I	T 15		
TTLEN ...K20/M20/P20	TS 45120I	T 20		
TTLEN ...K25/M25/P25	TS 45120I	T 20		

TTOER/L-A

Parting and grooving holder for Swiss machines





Designation		Dimension (mm)								Insert
		H	HF	B	OAL	LH	WF	HBH	HBL	
TTOER/L	**0808-20-A**	8	8	8	100	22	8	2	15	TPR/L
	1010-20-A	10	10	10	125	22	10	-	-	TBR
	1212-20-A	12	12	12	125	22	12	-	-	TTR
	1616-20-A	16	16	16	125	22	16	-	-	B177-B182
	2020-20-A	20	20	20	125	22	20	-	-	
	2525-20	25	25	25	125	22	25	-	-	

▸ CDX: Refer to insert dimension

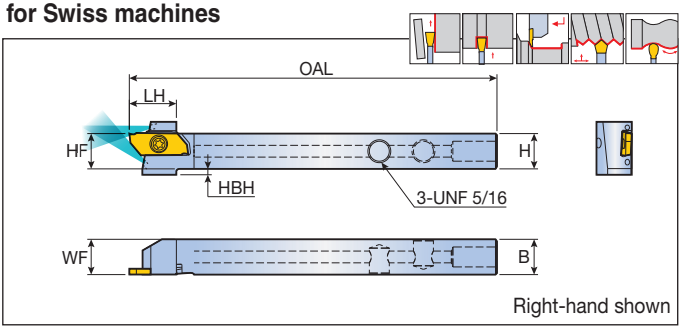
Spare parts

Designation	Screw	Wrench		
				
08...-A	TS 40057I	T 15		
10/12/16/20/25	TS 40097I	T 15		

TTOER/L-TB

Parting and grooving holder for Swiss machines





Designation		Dimension (mm)							Insert
		H	HF	B	OAL	LH	WF	HBH	
TTOER/L	**1010-20-TB**	10	10	10	125	16	10	4	TPR/L
	1212-20-TB	12	12	12	125	16	12	2	TBR
	1616-20-TB	16	16	16	125	16	16	-	TTR
	2020-20-TB	20	20	20	125	16	20	-	B177-B182

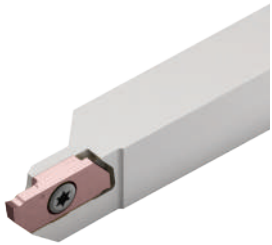
▸ CDX: Refer to insert dimension

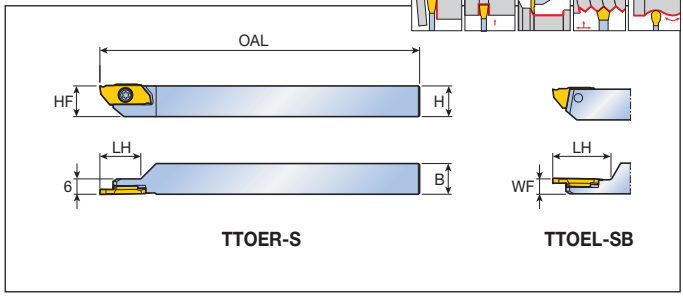
Spare parts

Designation	Screw	Wrench		Plug
				
TTOER/L-TB	TS 40097I	T 15	L-W 5/32	PLG 5/16 UNF

TTOER-S / TTOEL-SB

Parting and grooving holder for sub spindle in Swiss machines





Designation		Dimension (mm)						Insert
		H	HF	B	OAL	LH	WF	
TTOER	**1010-20-S**	10	10	10	125	16	0	TPR/TBR/TTR
	1212-20-S	12	12	12	125	16	0	
TTOEL	**1010-20-SB**	10	10	10	125	22	6	TPL
	1212-20-SB	12	12	12	125	22	6	B177-B182

▸ CDX: Refer to insert dimension

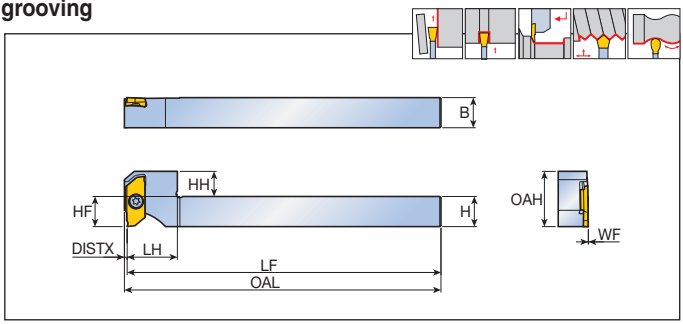
Spare parts

Designation	Screw	Wrench		
				
...-S/...-SB	TS 40057I	T 15		

TMY-TTOER

Y-axis holders for parting and grooving





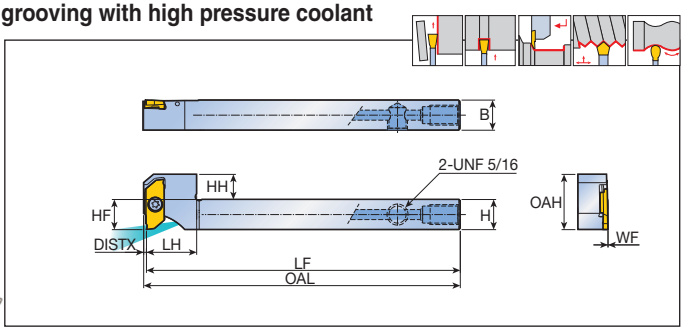
Designation		Dimension (mm)										Insert
		H	B	HH	LH	HF	WF	OAH	LF	OAL	DISTX	
TMY-TTOER	**1010-20**	10	10	12	20	10	0	22	125	126.1	1.1	TPR/TBR/
	1212-20	12	12	10	20	12	0	22	125	126.1	1.1	TTR
	1616-20	16	16	6	20	16	0	22	125	126.1	1.1	B177
												-B182

▸ CDX: Refer to insert dimension

TMY-TTOER-TB

Y-axis holders for parting and grooving with high pressure coolant





Designation		Dimension (mm)										Insert
		H	B	HH	LH	HF	WF	OAH	LF	OAL	DISTX	
TMY-TTOER	**1212-20-TB**	12	12	10	20	12	0	22	125	126.1	1.1	TPR/TBR/
	1616-20-TB	16	16	6	20	16	0	22	125	126.1	1.1	TTR
												B177
												-B182

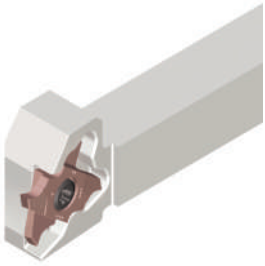
▸ CDX: Refer to insert dimension

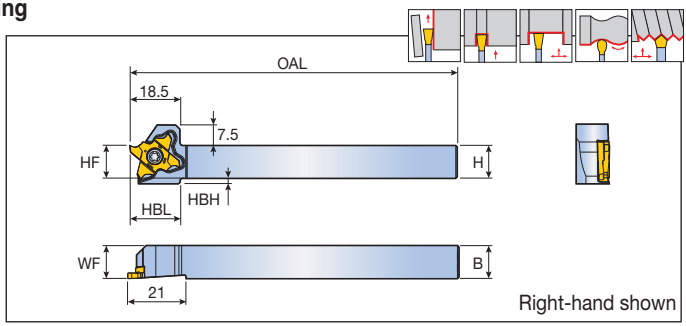
Spare parts

Designation	Screw	Wrench		Plug
				
TMY-TTOER	TS 40097I	T 15	-	-
TMY-TTOER-TB	TS 40097I	T 15	L-W 5/32	PLG 5/16 UNF

TQHR/L-20

Holders for parting and grooving





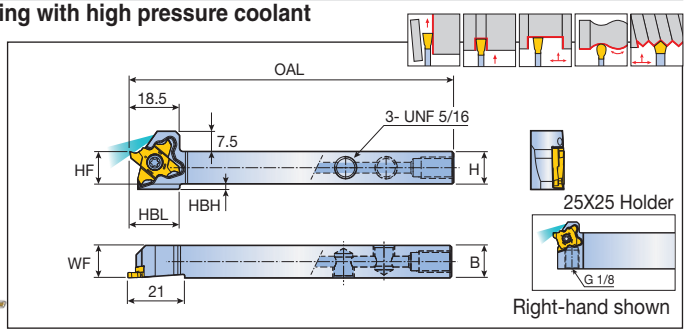
Designation		Dimension (mm)							Insert
		H	HF	B	WF	OAL	HBL	HBH	
TQHR/L	**10-20**	10	10	10	10	120	18.5	4	TQ... 20
	12-20	12	12	12	12	120	18.5	2	B158-B159
	16-20	16	16	16	16	120	-	-	
	20-20	20	20	20	20	120	-	-	
	25-20	25	25	25	25.3	135	-	-	

▸ CDX: Refer to insert dimension

TQHR/L-20-TB

Holders for parting and grooving with high pressure coolant





Designation		Dimension (mm)							CNT	Insert
		H	HF	B	WF	OAL	HBL	HBH		
TQHR/L	**12-20-TB**	12	12	12	12	120	18.5	2	UNF 5/16	TQ... 20
	16-20-TB	16	16	16	16	120	-	-	UNF 5/16	
	20-20-TB	20	20	20	20	120	-	-	G 1/8	B148-B159
	25-20-TB	25	25	25	25.3	135	-	-	G 1/8	

▸ Please refer to B128-B130 page for COOL-BURST accessories
▸ CDX: Refer to insert dimension

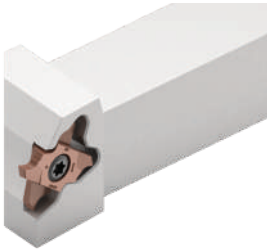
Spare parts

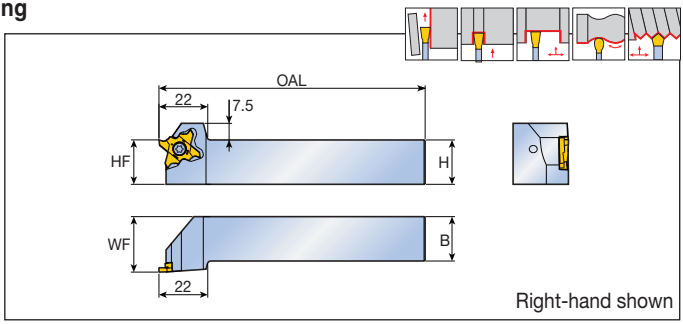
Designation	Screw	Plug 1	Wrench		
					
TQHR/L...	TS 40A100L (1) TS 40A100 (2)	-	T-1508/5	-	
TQHR/L 12/16-20-TB		PLG 5/16 UNF	T-1508/5	L-W 5/32	
TQHR/L 20-20-TB		PLG G1/8-L6.5	T-1508/5	L-W 5	
TQHR/L 25-20-TB		-	T-1508/5	-	

▸ (1) For right holder ▸ (2) For left holder

TQHR/L-20-Q

Holders for parting and grooving



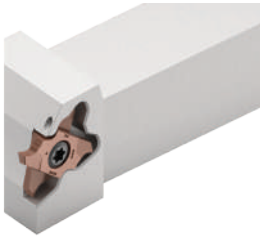


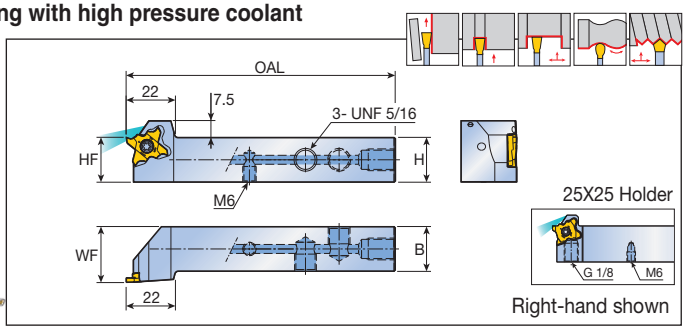
Designation	Dimension (mm)					Insert
	H	HF	B	OAL	WF	
TQHR/L 20-20-Q	20	20	20	120	25	TQ... 20
25-20-Q	25	25	25	135	30.3	B158-B159

▸ CDX: Refer to insert dimension

TQHR/L-20-TB-Q

Holders for pating and grooving with high pressure coolant





Designation	Dimension (mm)					CNT	Insert
	H	HF	B	OAL	WF		
TQHR/L 20-20-TB-Q	20	20	20	120	25	G 1/8	TQ... 20
25-20-TB-Q	25	25	25	135	30.3	G 1/8	B158-B159

▸ Please refer to B128-B130 page for COOL-BURST accessories
▸ CDX: Refer to insert dimension

Spare parts

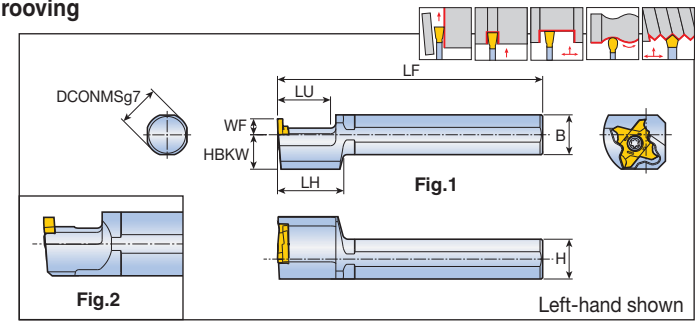
Designation	Screw	Plug 1	Plug 2	Wrench		
						
TQHR/L-Q	TS 40A100L (1)	-	-	T-1508/5	-	-
TQHR/L-TB-Q	TS 40A100 (2)	PLG G1/8-L6.5	SS M6x1x6-NL	T-1508/5	L-W 5	L-W 3

▸ (1) For right holder ▸ (2) For left holder

TMS-TQHL

Sleeve holders for external grooving





Designation		Dimension (mm)							Fig.	Insert
		DCONMS	H=B	LF	LU	LH	WF	HBKW		
TMS-TQHL	**16-20**	16	15	100	20	25	6	13	1	TQ... 20-R
	19.05-20	19.05	18	100	20	25	6	13	1	
	20-20	20	19	100	20	25	6	13	1	B158-B159
	22-20	22	21	100	20	25	6	13	1	
	25-20	25	24	100	20	-	10	12	2	
	25.4-20	25.4	24.4	100	20	-	10	12.2	2	

- TQ... 20-R insert for L-hand toolholder
- CDX: Refer to insert dimension

Spare parts

Designation	Screw	Wrench		
TMS-TQHL	TS 40A100L	T-1508/5		

TMS-TQHL-TB

Sleeve holders for external grooving with high pressure coolant



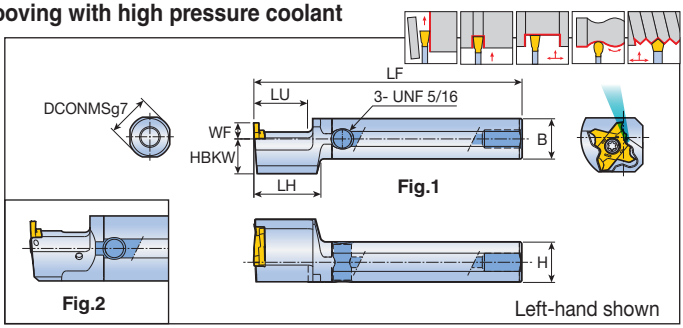


Fig.1

Fig.2

Left-hand shown

Designation		Dimension (mm)							Fig.	Insert
		DCONMS	H=B	LF	LU	LH	WF	HBKW		
TMS-TQHL	**16-20-TB**	16	15	100	20	25	6	13	1	TQ... 20-R
	25-20-TB	25	24	100	20	-	10	12	2	B158-B159

- Please refer to B128-B130 page for COOL-BURST accessories
- TQ... 20-R insert for L-hand toolholder
- CDX: Refer to insert dimension

Spare parts

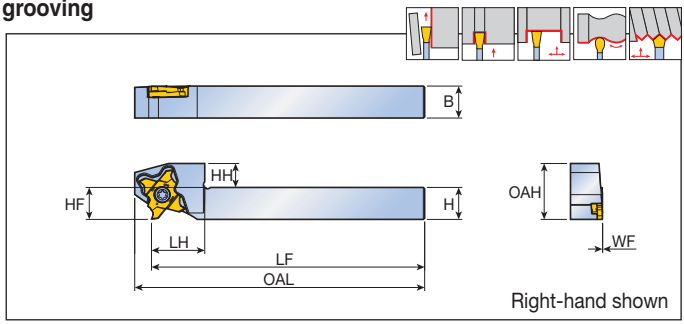
Designation	Screw	Wrench		Plug
TMS-TQHL-TB	TS 40A100L	T-1508/5	L-W 5/32	PLG 5/16 UNF

TMY-TQHR

QUADRUSH PARTING & GROOVING

Y-axis holders for parting and grooving





Designation		Dimension (mm)									Insert
		H	B	HH	LH	HF	WF	OAH	LF	OAL	
TMY-TQHR	**10-20**	10	10	11	20	10	0	21	125	131.3	TQ... 20-R
	12-20	12	12	9	20	12	0	21	125	131.3	
	16-20	16	16	5	20	16	0	21	125	131.3	B158-B159

▸ CDX: Refer to insert dimension

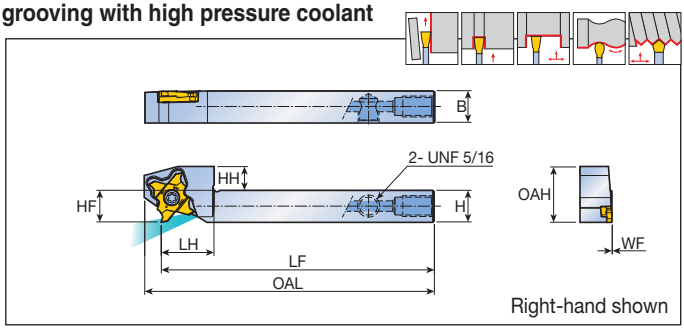
Spare parts

Designation	Screw	Wrench		
				
TMY-TQHR	TS 40A100L	T-1508/5		

TMY-TQHR-TB

Y-axis holders for parting and grooving with high pressure coolant





Designation		Dimension (mm)									Insert
		H	B	HH	LH	HF	WF	OAH	LF	OAL	
TMY-TQHR	**12-20-TB**	12	12	9	20	12	0	21	125	131.3	TQ... 20-R
	16-20-TB	16	16	5	20	16	0	21	125	131.3	B158-B159

- Please refer to B128-B130 page for COOL-BURST accessories
- CDX: Refer to insert dimension

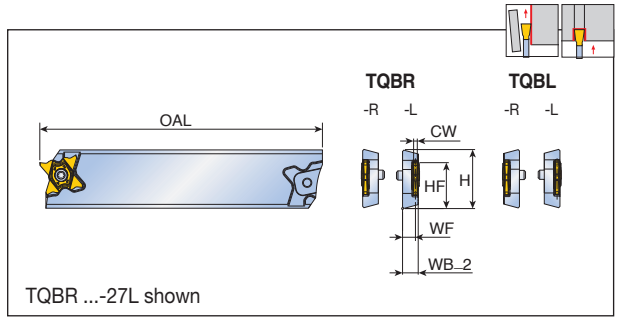
Spare parts

Designation	Screw	Wrench		Plug
TMY-TQHR-TB	TS 40A100L	T-1508/5	L-W 5/32	PLG 5/16 UNF

TQBR/L-27

Blades for parting and grooving





TQBR ...-27L shown

Designation		Dimension (mm)						Block	Insert
		H	HF	OAL	WF*	WB_2	CW range		
TQBR/L	**26-27R**	26	21.4	150	7	8.5	0.5 ≤ CW < 5.3	TTBN/U..-26	TQ.. 27
	26-27L	26	21.4	150	7	8.5	0.5 ≤ CW < 5.3	TTBN/U..-26	
	32-27R	32	24.9	150	7	8.5	0.5 ≤ CW < 5.3	TTBN/U..-32	B160-B168
	32-27L	32	24.9	150	7	8.5	0.5 ≤ CW < 5.3	TTBN/U..-32	
								B51-B52	

- *: To the center of inserts up to 3.2mm width
- CDX: Refer to insert dimension

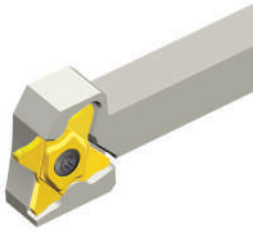
Spare parts

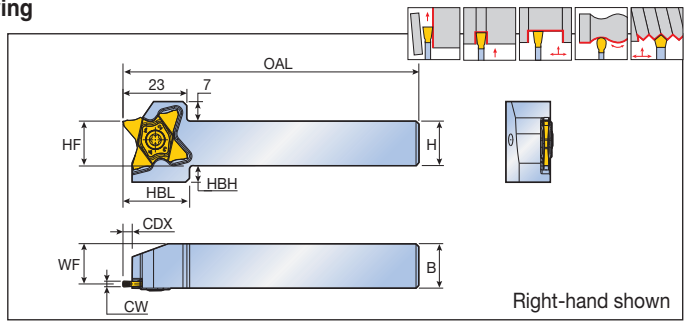
Designation	Screw	Wrench		
TQBR/L 26-27R	TS 50125I	T 10/20		
TQBR/L 26-27L	TS 50125IL	T 10/20		
TQBR/L 32-27R	TS 50125I	T 10/20		
TQBR/L 32-27L	TS 50125IL	T 10/20		

TQHR/L-27

QUADRUSH PARTING & GROOVING

Holders for parting and grooving





Designation		Dimension (mm)								Insert
		H	HF	B	OAL	WF	HBL	HBH	CW range	
TQHR/L	**10-27**	10	10	10	120	8.5	24	9	0.5 ≤ CW < 5.3	TQ.. 27
	12-27	12	12	12	120	10.5	24	8	0.5 ≤ CW < 5.3	
	16-27	16	16	16	120	14.5	24	6	0.5 ≤ CW < 5.3	B160-B168
	20-27	20	20	20	120	18.5	24	2	0.5 ≤ CW < 5.3	
	25-27	25	25	25	135	23.5	-	-	0.5 ≤ CW < 5.3	
	16-27-8 (1)	16	16	16	120	14.0	24	6	5.3 ≤ CW ≤ 8.2	TQS 27
	20-27-8 (1)	20	20	20	120	18.0	24	2	5.3 ≤ CW ≤ 8.2	Special
	25-27-8 (1)	25	25	25	135	23.0	-	-	5.3 ≤ CW ≤ 8.2	

▸ (1) Only for TQS wider inserts from 5.3mm-8.2mm width
▸ CDX: Refer to insert dimension

Spare parts

Designation	Screw	Wrench		
TQHR/L 10/12/16/20/25	TS 50125I (1)	T 10/20	-	
	TS 50125IL (2)	T 10/20	-	
TQHR/L 16/20/25-27-8	TS 50170I-IC (1)	-	T 15	
	TS 50170IL-IC (2)	-	T 15	

▸ (1) For left holder ▸ (2) For right holder

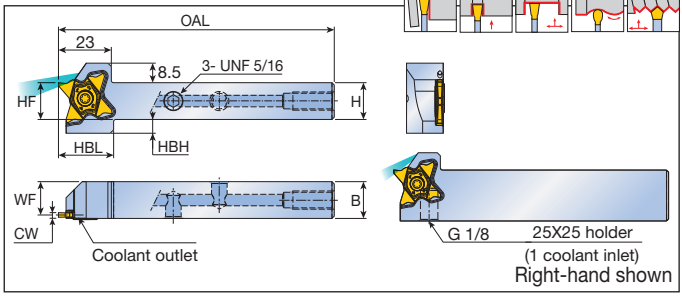
TQHR/L-27-TB

QUADRUSH PARTING & GROOVING

Holders for parting and grooving with high pressure coolant



COOLBURST



Designation	Dimension (mm)							CNT	Insert
	H(HF)	B	OAL	WF	HBL	HBH	CW range		
TQHR/L 12-27-TB	12	12	120	10.5	24	8	0.5 ≤ CW < 5.3	UNF 5/16	TQ.. 27
16-27-TB	16	16	120	14.5	24	6	0.5 ≤ CW < 5.3	UNF 5/16	B160-B168
20-27-TB	20	20	120	18.5	24	2	0.5 ≤ CW < 5.3	G1/8 BSPP	
25-27-TB	25	25	135	23.5	-	-	0.5 ≤ CW < 5.3	G1/8 BSPP	

▸ Please refer to B128-B130 page for COOL-BURST accessories
▸ CDX: Refer to insert dimension

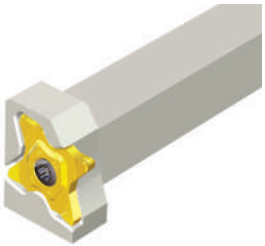
Spare parts

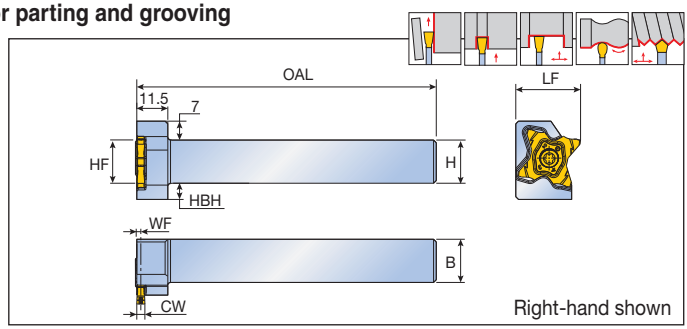
Designation	Screw	Plug	Wrench	
				
TQHR/L 12-27-TB	TS 50125I [1] TS 50125IL [2]	PLG 5/16 UNF	T 10/20	L-W 5/32
TQHR/L 16-27-TB		PLG 5/16 UNF	T 10/20	L-W 5/32
TQHR/L 20-27-TB		PLG G1/8-L6.5	T 10/20	L-W 5
TQHR/L 25-27-TB		-	T 10/20	-

▸ [1] For left holder ▸ [2] For right holder

TQHPR/L-27

Perpendicular type holders for parting and grooving





Designation	Dimension (mm)								Insert
	H	HF	B	WF	OAL	LF	HBH	CW range	
TQHPR/L 16-27	16	16	16	1.5	120	24	6	0.5 ≤ CW < 5.3	TQ.. 27
20-27	20	20	20	1.5	120	28	2	0.5 ≤ CW < 5.3	B160-B168
25-27	25	25	25	1.5	135	33	-	0.5 ≤ CW < 5.3	
20-27-8 (1)	20	20	20	2.0	120	28	2	5.3 ≤ CW ≤ 8.2	TQS 27 Special
25-27-8 (1)	25	25	25	2.0	135	33	-	5.3 ≤ CW ≤ 8.2	

▸ (1) Only for TQS wider inserts from 5.3mm-8.2mm width

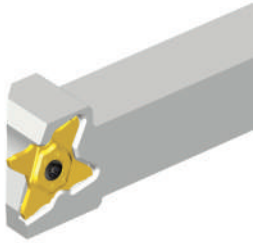
Spare parts

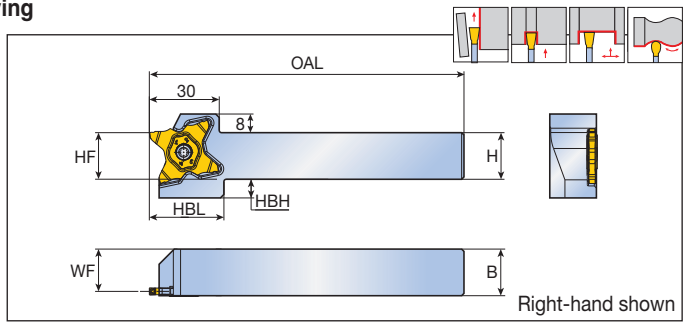
Designation	Screw	Wrench		
				
TQHPR/L 16/20/25	TS 50125I (1) TS 50125IL (2)	T 20 T 20		
TQHPR/L 16/20/25-8	TS 50170I-IC (1) TS 50170IL-IC (2)	T 15 T 15		

▸ (1) For right holder ▸ (2) For left holder

TQHR/L-34

Holders for parting and grooving





Designation	Dimension (mm)							Insert
	H	HF	B	WF	OAL	HBL	HBH	
TQHR/L 16-34	16	16	16	14.2	135	32	12	TQ... 34
20-34	20	20	20	18.2	135	32	8	
25-34	25	25	25	23.2	135	32	3	B169-B171
32-34	32	32	32	30.2	135	-	-	

▸ CDX: Refer to insert dimension

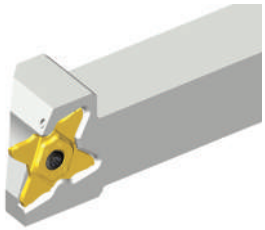
Spare parts

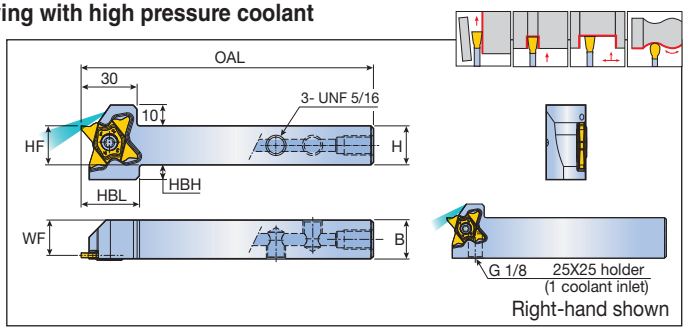
Designation	Screw	Wrench		
				
TQHR/L-34	TS 50125I [1] TS 50125IL [2]	T 10/20		

▸ [1] For left holder ▸ [2] For right holder

TQHR/L-34-TB

Holders for parting and grooving with high pressure coolant





Designation	Dimension (mm)							CNT	Insert
	H	HF	B	WF	OAL	HBL	HBH		
TQHR/L 16-34-TB	16	16	16	14.2	135	32	12	UNF 5/16	TQ... 34
20-34-TB	20	20	20	18.2	135	32	8	G 1/8	
25-34-TB	25	25	25	23.2	135	32	3	G 1/8	B169-B171

- Please refer to B128-B130 page for COOL-BURST accessories
- CDX: Refer to insert dimension

Spare parts

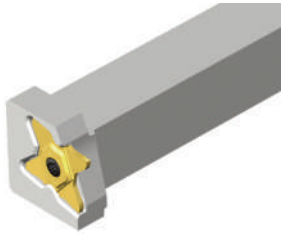
Designation	Screw	Plug	Wrench	
TQHR/L 16-34-TB	TS 50125I (1) TS 50125IL(2)	PLG 5/16 UNF	T 10/20	L-W 5/32
TQHR/L 20-34-TB		PLG G1/8-L6.5	T 10/20	L-W 5
TQHR/L 25-34-TB		-	T 10/20	-

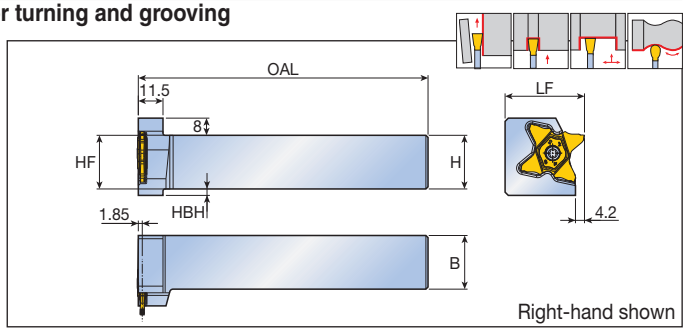
- (1) For left holder
- (2) For right holder

TQHPR/L-34

QUADRUSH PARTING & GROOVING

Perpendicular type holders for turning and grooving





Designation	Dimension (mm)						Insert
	H	HF	B	OAL	LF	HBH	
TQHPR/L 20-34	20	20	20	135	32	8	TQ... 34
25-34	25	25	25	135	37	3	B169-B171

▸ CDX: Refer to insert dimension

Spare parts

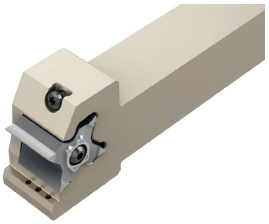
Designation	Screw	Wrench		
				
TQHPR/L-34	TS 50125I [1] TS 50125IL [2]	T 10/20		

▸ [1] For right holder ▸ [2] For left holder

ADVANCE CUTTING TaeguTec

TQHR/L...EW-TB

Holders for external wide grooving and profiling with high-pressure coolant



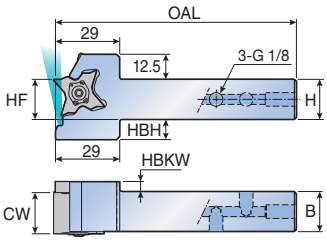


Fig.1

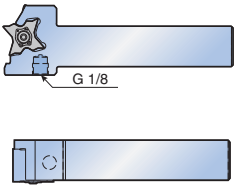


Fig.2
Right-hand shown

Designation		Dimension (mm)						Fig.	CNT	Insert
		H(HF)	B	OAL	CW	HBH	HBKW			
TQHR/L	**20-27-10EW-TB**	20	20	120	10.5	13	-	1	G 1/8	TQBS 27-10EW
	20-27-15EW-TB	20	20	120	15.5	13	-	1	G 1/8	TQBS 27-15EW
	20-27-20EW-TB	20	20	120	20.5	13	5.0	1	G 1/8	TQBS 27-20EW
	25-27-10EW-TB	25	25	135	10.5	8	-	2	G 1/8	TQBS 27-10EW
	25-27-15EW-TB	25	25	135	15.5	8	-	2	G 1/8	TQBS 27-15EW
	25-27-20EW-TB	25	25	135	20.5	8	-	2	G 1/8	TQBS 27-20EW
										B168

▸ Please refer to B128-B130 page for COOL-BURST accessories

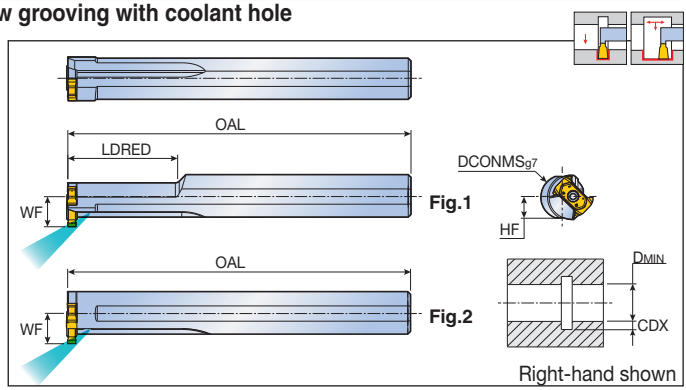
Spare parts

Designation	Clamping Pin	Pin Screw	Side screw	Plug	Wrench		
TQHR/L 20...10EW-TB	PIN-TQ-W-T	TS 40F120A	BH M4x0.7x16-D7	PLG G1/8-L6.5	T 15	L-W 2.5	L-W 5
TQHR/L 20...15EW-TB	PIN-TQ-W-T	TS 40F120A	BH M4x0.7x20-D7	PLG G1/8-L6.5	T 15	L-W 2.5	L-W 5
TQHR/L 20...20EW-TB	PIN-TQ-W-T	TS 40F120A	BH M4x0.7x23-D7	PLG G1/8-L6.5	T 15	L-W 2.5	L-W 5
TQHR/L 25...10EW-TB	PIN-TQ-W-T	TS 40F120A	BH M4x0.7x16-D7	-	T 15	L-W 2.5	-
TQHR/L 25...15EW-TB	PIN-TQ-W-T	TS 40F120A	BH M4x0.7x20-D7	-	T 15	L-W 2.5	-
TQHR/L 25...20EW-TB	PIN-TQ-W-T	TS 40F120A	BH M4x0.7x23-D7	-	T 15	L-W 2.5	-

TQHIR/L

Internal boring bars for shallow grooving with coolant hole





Designation	Dimension (mm)						Fig.	Insert
	DCONMS	OAL	LDRED	WF	DMIN	HF		
TQHIR/L 16-16.5-14	16	125	40	11	16.5	7.5	1	TQIS 14
16-16.5-14-L20	16	125	20	11	16.5	7.5	1	B172
20-16.5-14	20	125	40	13	16.5	9	1	
20-16.5-14-L20	20	125	20	13	16.5	9	1	
16-20-14	16	125	-	11	20	7.5	2	
20-24-14	20	125	-	13	24	9	2	
25-29-14	25	200	-	15.5	29	11.5	2	
32-36-14	32	200	-	19	36	15	2	

▸ CDX: Refer to insert dimension

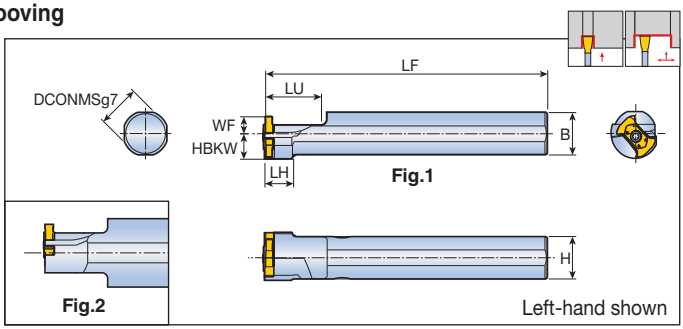
Spare parts

Designation	Screw	Wrench	Seal	
TQHIR/L 16	TS 25075I/HG	T 8	PL 16 (M6)	
TQHIR/L 20	TS 25075I/HG	T 8	PL 20 (M6)	
TQHIR/L 25	TS 25075I/HG	T 8	PL 25 (R1/8)	
TQHIR/L 32	TS 25075I/HG	T 8	PL 32 (R1/8)	

TMS-TQHIL

Sleeve holders for external grooving





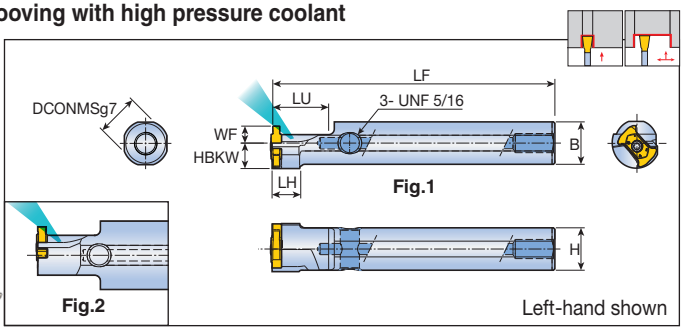
Designation		Dimension (mm)							Fig.	Insert
		DCONMS	H=B	LF	LU	LH	WF	HBKW		
TMS-TQHIL	**16-14**	16	15	100	20	10	6	9	1	TQIS 14
	19.05-14	19.05	18	100	20	-	6	9	1	B172
	20-14	20	19	100	20	20	6	9	2	
	22-14	22	21	100	20	22	10	7	2	
	25-14	25	24	100	20	22	10	7	2	
	25.4-14	25.4	24.4	100	20	22	10	7	2	

▸ CDX: Refer to insert dimension

TMS-TQHIL-TB

Sleeve holders for external grooving with high pressure coolant





Designation		Dimension (mm)							Fig.	Insert
		DCONMS	H=B	LF	LU	LH	WF	HBKW		
TMS-TQHIL	**16-14-TB**	16	15	100	20	10	6	9	1	TQIS 14
	25-14-TB	25	24	100	20	22	10	5	2	B172

▸ Please refer to B128-B130 page for COOL-BURST accessories
▸ CDX: Refer to insert dimension

Spare parts

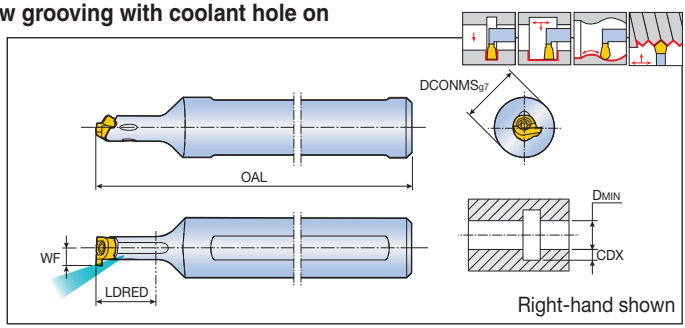
Designation	Screw	Wrench		Plug
				
TMS-TQHIL	TS 25075I/HG	T 8	-	-
TMS-TQHIL-TB	TS 25075I/HG	T 8	L-W 5/32	PLG 5/16 UNF

TMIHR/L

WINIGROOVE

Internal boring bars for shallow grooving with coolant hole on small diameter





Designation		Dimension (mm)					Insert
		DCONMS	OAL	LDRED	WF	DMIN	
TMIHR/L	**12-12-6**	12	80	12	3.5	6.0	TMIR/L 6
	12-16-8	12	80	16	4.7	8.0	TMIR/L 8

B173 -B174

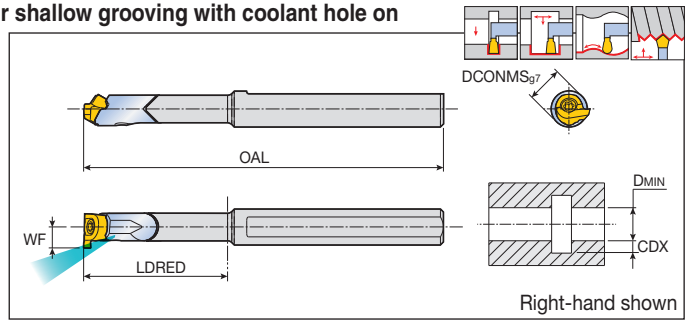
▸ CDX: Refer to insert dimension

TMIHR/L-C

WINIGROOVE

Internal carbide boring bars for shallow grooving with coolant hole on small diameter





Designation		Dimension (mm)					Insert
		DCONMS	OAL	LDRED	WF	DMIN	
TMIHR/L	**06C-18-6**	6	54	18	3.5	6.0	TMIR/L 6
	06C-24-6	6	60	24	3.5	6.0	TMIR/L 6
	12C-24-8	12	92	24	4.7	8.0	TMIR/L 8
	12C-32-8	12	100	32	4.7	8.0	TMIR/L 8

B173 -B174

▸ CDX: Refer to insert dimension

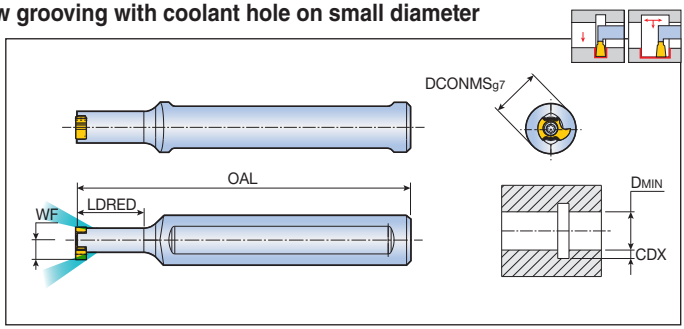
Spare parts

Designation	Screw	Wrench		
				
TMIHR/L 12-12-6	TS 18049/HG-P	T 6P		
TMIHR/L 12-16-8	TS 20055I	T 6		
TMIHR/L 06C	TS 18049/HG-P	T 6P		
TMIHR/L 12C	TS 20055I	T 6		

TMIHN

Internal boring bars for shallow grooving with coolant hole on small diameter





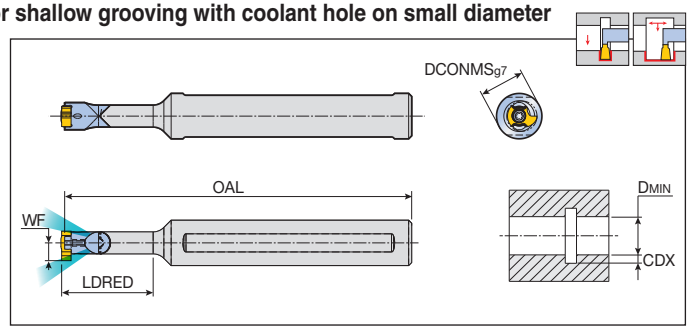
Designation	Dimension (mm)					Coolant inlet	Insert
	DCONMS	OAL	LDRED	WF	DMIN		
TMIHN 12-16-8	12	80	16	4.7	10	Ø3	TMIS 8 B175

▸ CDX: Refer to insert dimension

TMIHN-C

Internal carbide boring bars for shallow grooving with coolant hole on small diameter





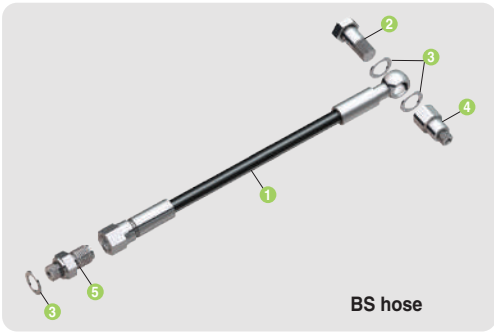
Designation	Dimension (mm)					Coolant inlet	Insert
	DCONMS	OAL	LDRED	WF	DMIN		
TMIHN 12C-24-8	12	92	24	4.7	10	Ø2	TMIS 8 B175
12C-32-8	12	100	32	4.7	10	Ø2	

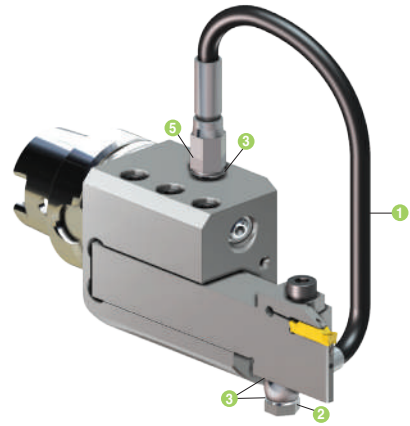
▸ CDX: Refer to insert dimension

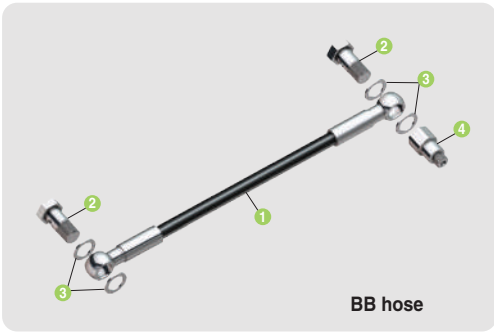
Spare parts

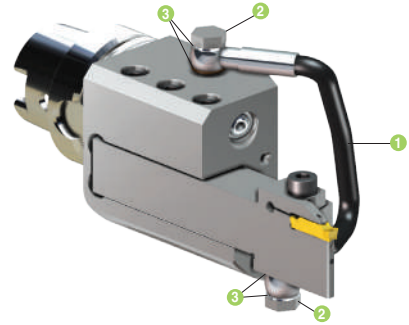
Designation	Screw	Wrench		
				
TMIHN	TS 22052I/HG	T 7		
TMIHN -C	TS 22052I/HG	T 7		

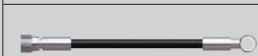
Coolant hose guide









(CXT) Coolant exit thread size	(CNT) Coolant entry thread size	Hose	Bolt	Washer	Connector	Adaptor
						
5/16”	G1/8”	TB HOSE G1/8-7/16-200BS TB HOSE G1/8-7/16-250BS	G1/8”	G1/8”	TB CONECTOR 5/16”-G1/8” TB CONECTOR 5/16”-G1/8”-12	TB NIPPLE G1/8-7/16 UNF
G1/8”					X (no need)	
5/16”		TB HOSE G1/8-G1/8-200BB TB HOSE G1/8-G1/8-250BB			TB CONECTOR 5/16”-G1/8” TB CONECTOR 5/16”-G1/8”-12	X (no need)
G1/8”					X (no need)	
5/16”		TB HOSE 5/16-7/16-200BS	5/16”	5/16”	X (no need)	TB NIPPLE G1/8-7/16 UNF
	7/16-20 UNF (Flare 37°)	TB HOSE 5/16-G1/8-200BS				TB NIPPLE G1/8-7/16 UNF

Accessories

Hose

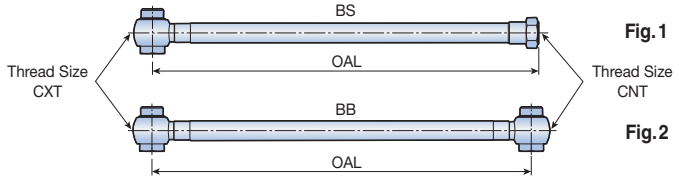


Fig.1

Fig.2

Designation	Dimension				Fig.
	OAL (mm)	CXT	CNT	Max.pressure (Bar)	
TB HOSE G1/8-7/16-200BS	200	G1/8-28 BSPP	7/16-20 UNF (Flare 37°)	260	1
G1/8-7/16-250BS	250	G1/8-28 BSPP	7/16-20 UNF (Flare 37°)	260	1
G1/8-G1/8-200BB	200	G1/8-28 BSPP	G1/8-28 BSPP	260	2
G1/8-G1/8-250BB	250	G1/8-28 BSPP	G1/8-28 BSPP	260	2
5/16-7/16-200BS	200	5/16-24 UNF	7/16-20 UNF (Flare 37°)	200	1
5/16-G1/8-200BS	200	5/16-24 UNF	G1/8-28 BSPP	200	1

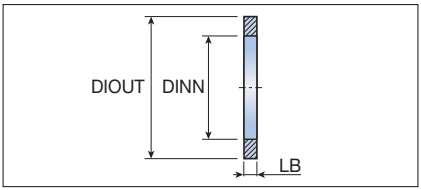
▸ Hose is ordered separately

Spare parts

Designation	Bolt	Seal washer
		
TB HOSE 5/16-7/16-200BS	TB BANJO BOLT 5/16" UNF	TB COPPER SEAL 5/16"
TB HOSE G1/8-G1/8-200BB	TB BANJO BOLT G1/8"	TB COPPER SEAL 1/8"
TB HOSE G1/8-G1/8-250BB	TB BANJO BOLT G1/8"	TB COPPER SEAL 1/8"

▸ Bolt and Seal washer are ordered separately

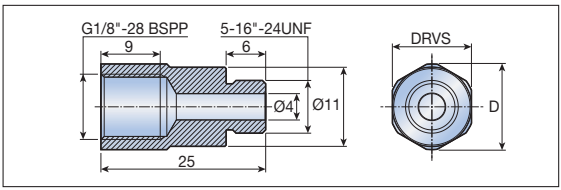
Seal washer



Designation	Dimension (mm)		
	DIOUT	DINN	LB
TB COPPER SEAL 1/8"	15	10	1
SEAL 5/16"	12	8	1

▸ Seal washer is ordered separately

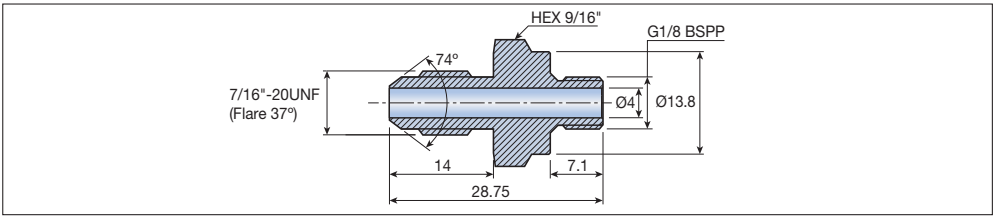
Connector



Designation	Dimension (mm)	
	D	DRVS
TB CONECTOR 5/16"-G1/8"	13	12
5/16"-G1/8"-12	12	11

▸ Connector is ordered separately

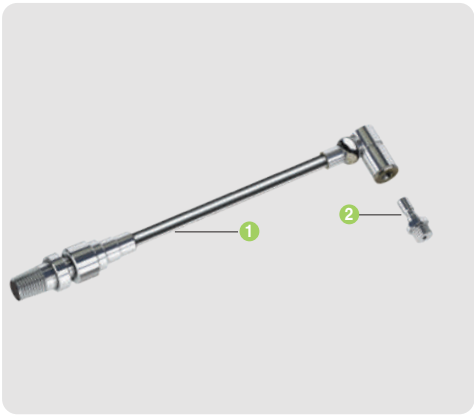
Adapter

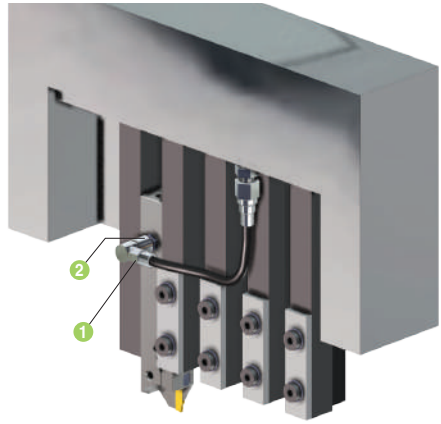


Designation
TB NIPPLE G1/8-7/16 UNF

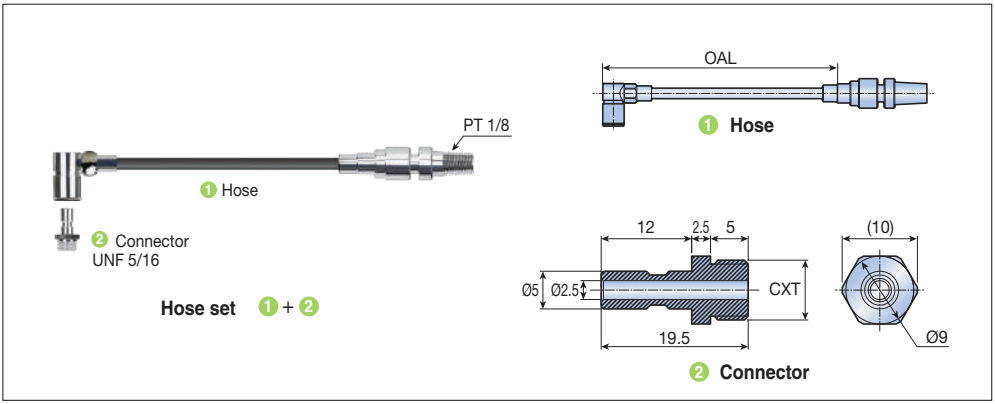
▸ Adapter is ordered separately

Hose set





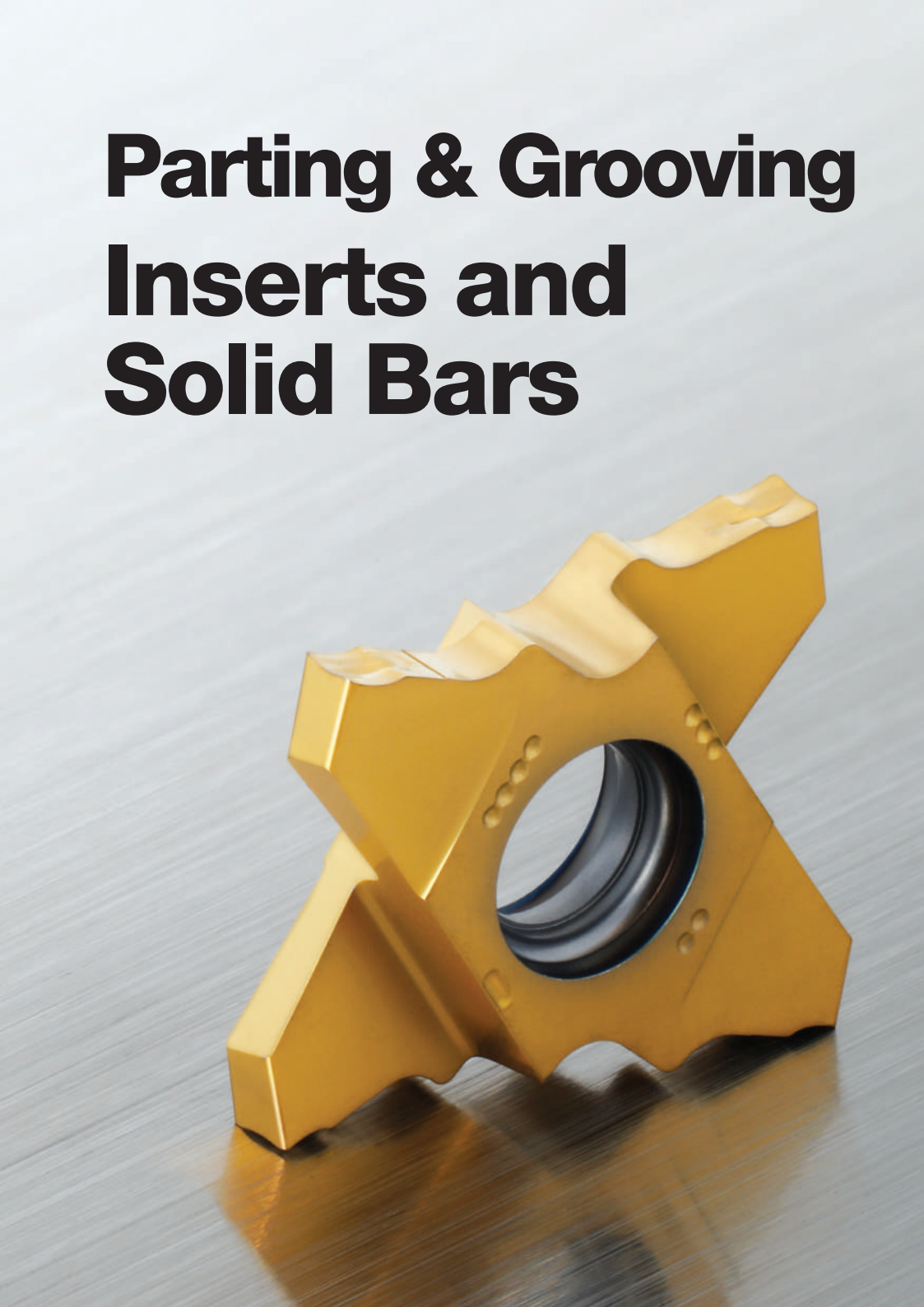
Coupling system



Components	Designation		Dimension		
			OAL (mm)	CXT	Maximum pressure (Bar)
Hose set	**S-TB HOSE**	**R1/8-COUPLE-100**	100	5/16"-24 UNF	140
		R1/8-COUPLE-200	200	5/16"-24 UNF	140
		R1/8-COUPLE-300	300	5/16"-24 UNF	140
Hose	**TB HOSE**	**R1/8-COUPLE-200**	200	-	140
		R1/8-COUPLE-300	300	-	140
Connector	**TB CONECTOR**	**5/16-COUPLE**	-	5/16"-24 UNF	-
		G1/8-COUPLE	-	G1/8"-28 BSPP	-
		R1/8-COUPLE	-	PT 1/8"	-

- Hose set (Hose+Connector)
- Hose set contains TB HOSE+TB CONECTOR 5/16-COUPLE.
- Hose set, hose and connector are ordered separately

Parting & Grooving
Inserts and Solid Bars



Insert Designation System

Parting and grooving

T-CLAMP PARTING & GROOVING

Only for handed insert

T	D	C	3	-	6	R	S
1	2	3	4		5	6	7

1 TaeguTec

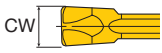
2 Cutting edge type

S	D
Single-ended insert	Double-ended insert

3 Chip breaker type

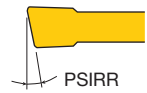
C	J
V	UF
For medium	For light

4 Width of insert



2 = 2.0 mm
3 = 3.0 mm
4 = 4.0 mm
5 = 5.0 mm
6 = 6.0 mm

5 Lead angle



Right-hand shown

6 Hand of insert

L	R
Left-hand	Right-hand

7 Corner type

S	
Sharp corner	Standard corner radius

Insert Designation System

Turning, grooving and face machining

T	D	(X)	T	3.00	E	-	0.40
1	2	3	4	5	6		7

1 TaeguTec

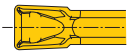
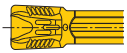
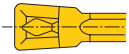
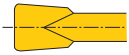
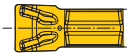
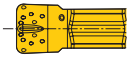
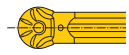
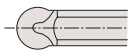
2 Cutting edge type

S	D
	
Single-ended insert	Double-ended insert

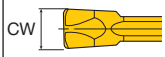
3 Application type

F	Face turning and grooving
I	Internal turning and grooving
X	Universal

4 Chip breaker type

XU	XY	CT	T	G
				
Universal chip breaker (General)	Universal chip breaker (Roughing)	Universal chip breaker (Negative land)	For steel, high-temp. alloy and cast iron	Without chip breaker
M	**P**	**RU**	**RS**	**A**
				
Pressed for small diameter	Ground for small diameter	General profiling	Precision profiling	For aluminum

5 Width of insert (mm)

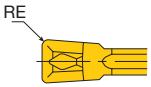


□.□□	Precision insert
□	Pressed insert

6 Application type

E	For turning and grooving
No designation	For precision grooving

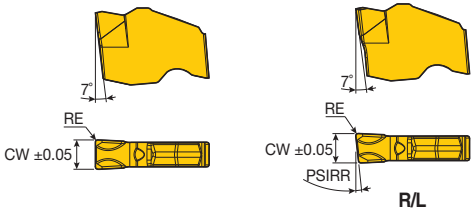
7 Corner radius (mm)



□.□□	Precision insert
□.□	Pressed insert

SFC

Single-ended inserts for parting and deep grooving with C-Type chip breaker



Size	Dimension (mm)			
	CW	RE	PSIRR	
1.4	1.4	0.16	-	
1.6	1.6	0.2	-	
2	2.0	0.2	-	
2-6R/L	2.0	0.2	6	
3	3.0	0.2	-	
3-6R/L	3.0	0.2	6	
4	4.0	0.3	-	
5	5.0	0.3	-	
6	6.0	0.3	-	

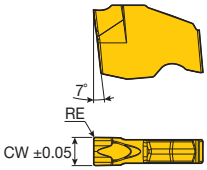
Insert	Designation	Insert seat size	Feed (mm/rev)	Cermet	Coated					Uncoated
				CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	**SFC 1.4**	1.4	0.04-0.10					●		●	●
	1.6	1.6	0.05-0.15					●		●	
	2	2	0.08-0.20					●		●	●
	2-6R/L	2	0.04-0.12					●		●	
	3	3	0.10-0.25					●		●	●
	3-6R/L	3	0.08-0.18					●		●	
	4	4	0.10-0.30					●		●	●
	5	5	0.10-0.35					●		●	●
	6	6	0.15-0.240					●		●	●

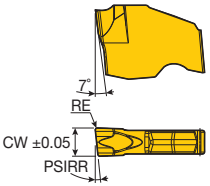
●: Standard items

Cutting Condition
B34-B43
B203-B208

SFJ

Single-ended inserts for parting and deep grooving with J-Type chip breaker





R/L

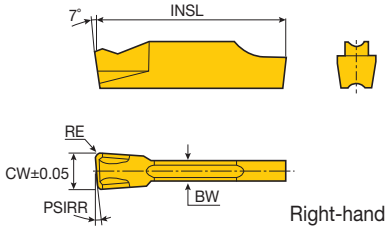
Size	Dimension (mm)		
	CW	RE	PSIRR
1.4	1.4	0.16	-
2	2.0	0.2	-
2-6R/L	2.0	0.2	6
3	3.0	0.2	-
3-6R/L	3.0	0.2	6
4	4.0	0.3	-
5	5.0	0.3	-
6	6.0	0.3	-

Insert	Designation		Insert seat size	Feed (mm/rev)	Cermet	Coated					Uncoated
					CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	**SFJ**	**1.4**	1.4	0.04-0.10					●		●	●
		2	2	0.05-0.15					●		●	●
		2-6R/L	2	0.03-0.10					●		●	
		3	3	0.08-0.20					●		●	●
		3-6R/L	3	0.04-0.14					●		●	
		4	4	0.04-0.18					●		●	●
		5	5	0.05-0.20					●		●	●
		6	6	0.06-0.22					●		●	●

Cutting Condition
B34-B43 B203-B208

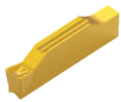
●: Standard items

Single-ended inserts for parting and deep grooving with C-Type chip breaker



Right-hand shown

Size	Dimension (mm)				
	CW	RE	BW	INSL	PSIRR/L
2 (..R/L)	2.0	0.20	1.7	19.7	0°-15°
2 RS/LS	2.0	0.02	1.7	19.5	15°
3 (..R/L)	3.0	0.20	2.4	19.6	0°-15°
3 RS/LS	3.0	0.02	2.4	19.4	15°
4 (..R/L)	4.0	0.30	3.0	19.7	0°-15°
5 (..R/L)	5.0	0.30	4.0	24.6	0°-4°
6	6.0	0.30	5.0	24.7	-
8	8.0	0.40	6.0	30.1	-



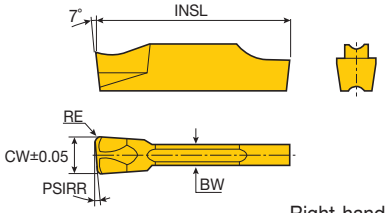
Insert	Designation	Insert seat size	Feed (mm/rev)	Cermet	Coated						Uncoated
				CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	TSC 2	2	0.05-0.18					●	●	●	●
	2-6R/L	2	0.04-0.14					●	●	●	●
	2-8R	2	0.04-0.14							●	
	2-15R/L	2	0.04-0.12						●	●	
	2-15RS/LS	2	0.02-0.12						●	●	
	3	3	0.07-0.25					●	●	●	●
	3-6R/L	3	0.06-0.18					●	●	●	●
	3-15R/L	3	0.06-0.16							●	
	3-15RS	3	0.03-0.16						●	●	
	4	4	0.08-0.30					●	●	●	
	4-4R/L	4	0.06-0.24					●	●	●	
	4-6R	4	0.06-0.23						●		
	4-15R/L	4	0.06-0.22						●	●	
	5	5	0.09-0.35					●	●	●	●
	5-4R/L	5	0.07-0.28						●	●	
	6	6	0.12-0.40					●	●	●	●
	8	8	0.14-0.43					●		●	

●: Standard items

Cutting Condition
B203-B208

TSJ

Single-ended inserts for parting and deep grooving with J-Type chip breaker



Right-hand shown

Size	Dimension (mm)				
	CW	RE	BW	INSL	PSIRR/L
2 (..R/L)	2.0	0.20	1.7	19.8	0°-15°
2 RS/LS	2.0	0.02	1.7	19.6	15°
3 (..R/L)	3.0	0.20	2.4	19.6	0°-15°
3 RS/LS	3.0	0.02	2.4	19.4	6°-15°
4 (..R/L)	4.0	0.30	3.0	19.7	0°-15°
5 (..R/L)	5.0	0.30	4.0	24.6	-
6	6.0	0.30	5.0	24.5	-

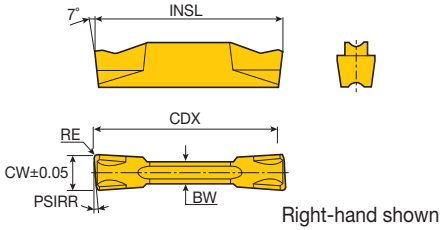
Insert	Designation	Insert seat size	Feed (mm/rev)	Cermet	Coated						Uncoated
				CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	**TSJ 2**	2	0.04-0.12					●	●	●	●
	2-6R/L	2	0.03-0.08						●	●	●
	2-15R/L	2	0.03-0.08						●	●	
	2-15RS/LS	2	0.03-0.08							●	
	2-8R	2	0.03-0.07							●	
	3	3	0.04-0.16					●	●	●	●
	3-6R/L	3	0.03-0.12					●	●	●	●
	3-6RS	3	0.03-0.10					●	●	●	
	3-15R/L	3	0.03-0.12						●	●	
	3-15RS/LS	3	0.03-0.10						●	●	
	4	4	0.05-0.18					●	●	●	●
	4-4R/L	4	0.05-0.14						●	●	
	4-15R/L	4	0.05-0.12							●	
	5	5	0.05-0.20					●	●	●	●
	6	6	0.05-0.22					●	●	●	●

Cutting Condition B203-B208

●: Standard items

TDC

Double-ended inserts for parting and grooving with C-Type chip breaker



Right-hand shown

Size	Dimension (mm)					
	CW	RE	BW	INSL	PSIRR/L	CDX
2 (..R/L)	2.0	0.20	1.7	20.0	0°-15°	19
2 RS/LS	2.0	0.02	1.7	19.6	15°	19
3 (..R/L)	3.0	0.20	2.4	20.0	0°-15°	19
3 RS/LS	3.0	0.02	2.4	19.6	6°-15°	19
3.18	3.18	0.20	2.4	20.0	-	19
4 (..R/L)	4.0	0.30	3.0	20.0	0°-15°	19
5 (..R/L)	5.0	0.30	4.0	25.0	0°-4°	24
6	6.0	0.30	5.0	25.0	-	24
8	8.0	0.40	6.0	30.0	-	29



Insert	Designation	Insert seat size	Feed (mm/rev)	Cermet	Coated								Uncoated
				CT3000	TT7505	TT6080	TT5100	TT3020	TT9080	TT7220	TT8020	TT9235	K10
	TDC 2	2	0.05-0.18	●				●	●	●	●	●	●
	2-6R/L	2	0.04-0.14						●	●	●		●
	2-8R/L	2	0.04-0.14							●	●		
	2-15R/L	2	0.04-0.12						●	●	●		
	2-15RS/LS	2	0.02-0.12						●	●	●		
	3	3	0.07-0.25	●			●	●	●	●	●	●	●
	3-6R/L	3	0.06-0.18						●	●	●		●
	3-6RS/LS	3	0.03-0.18						●	●			
	3-15R/L	3	0.06-0.16						●	●	●		
	3-15RS/LS	3	0.03-0.16							●	●		
	3.18	3	0.07-0.25						●		●		
	4	4	0.08-0.30	●				●	●	●	●		●
	4-4R/L	4	0.06-0.24						●	●	●		●
	4-15R/L	4	0.06-0.22							●	●		
	5	5	0.09-0.35						●	●	●		●
	5-4R/L	5	0.07-0.28						●	●	●		
	6	6	0.12-0.40						●	●	●		●
	8	8	0.14-0.43						●		●		

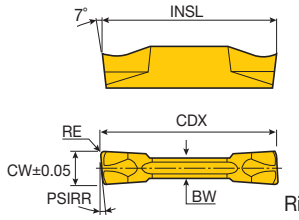
●: Standard items

Cutting Condition
B203-B208

TDJ

T-CLAMP PARTING & GROOVING

Double-ended inserts for parting and grooving with J-Type chip breaker



Right-hand shown

Size	Dimension (mm)					
	CW	RE	BW	INSL	PSIRR/L	CDX
1.4	1.4	0.16	1.0	16.0	-	15
2 (..R/L)	2.0	0.20	1.7	20.0	0°-15°	19
2 RS/LS	2.0	0.02	1.7	19.6	6°-15°	19
3 (..R/L)	3.0	0.20	2.4	20.0	0°-15°	19
3 RS/LS	3.0	0.02	2.4	19.6	6°-15°	19
3.18	3.18	0.20	2.4	20.0	-	19
4 (..R/L)	4.0	0.30	3.0	20.0	0°-15°	19
5 (..R/L)	5.0	0.30	4.0	25.0	0°-4°	24
6	6.0	0.30	5.0	25.0	-	24

Insert	Designation	Insert seat size	Feed (mm/rev)	Cermet	Coated								Uncoated
				CT3000	TT7505	TT6080	TT5100	TT3010	TT3020	TT9080	TT7220	TT8020	TT9235	K10
	**TDJ 1.4**	1	0.02-0.10							●		●		
	2	2	0.04-0.12					●	●	●	●	●	●	●
	2-6R/L	2	0.03-0.08							●	●	●		●
	2-6RS/LS	2	0.03-0.07							●	●	●		
	2-8R/L	2	0.03-0.08							●	●	●		
	2-15R/L	2	0.03-0.08							●	●	●		
	2-15RS/LS	2	0.03-0.07							●	●	●		
	3	3	0.04-0.16					●	●	●	●	●	●	●
	3-6R/L	3	0.03-0.12							●	●	●		●
	3-6RS/LS	3	0.03-0.10								●	●		
	3-15R/L	3	0.03-0.12							●	●	●		
	3-15RS/LS	3	0.03-0.10								●	●		
	3.18	3	0.04-0.16							●		●		●
	4	4	0.05-0.18						●	●	●	●		●
	4-4R/L	4	0.05-0.14							●	●	●		●
	4-15R/L	4	0.05-0.12								●	●		●
	5	5	0.05-0.20							●	●	●		●
	5-4R/L	5	0.05-0.16								●	●		●
	6	6	0.05-0.22							●	●	●		●

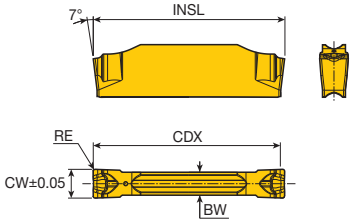
Cutting Condition
B203-B208

●: Standard items

TaeguTec Member IMC Group

TDUF

Double-ended inserts for parting and grooving with UF-Type chip breaker



Size	Dimension (mm)				
	CW	RE	BW	INSL	CDX
2	2.0	0.2	1.5	20	19
3	3.0	0.2	2.4	20	19
4	4.0	0.3	3.0	20	19

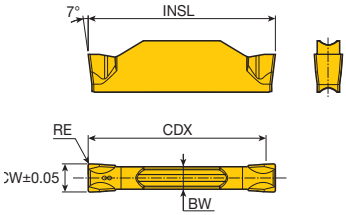
Insert	Designation	Insert seat size	Feed (mm/rev)	Cermet	Coated						Uncoated		
				CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10		
	**TDUF 2**	2	0.03-0.11					●					
	3	3	0.04-0.13					●					
	4	4	0.04-0.15					●					

Cutting Condition B203-B208

●: Standard items

TDV

Double-ended inserts for parting and grooving with V-Type chip breaker



Size	Dimension (mm)				
	CW	RE	BW	INSL	CDX
2	2.0	0.2	1.7	20	19
3	3.0	0.2	2.4	20	19
4	4.0	0.3	3.0	20	19

Insert	Designation	Insert seat size	Feed (mm/rev)	Cermet	Coated						Uncoated		
				CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	TT9235	K10	
	**TDV 2**	2	0.04-0.12					●		●	●		
	3	3	0.06-0.18					●		●	●		
	4	4	0.08-0.20					●		●			

Cutting Condition B203-B208

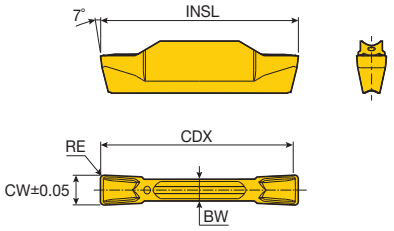
●: Standard items

ADVANCE CUTTING TaeguTec

TDCT

T-CLAMP PARTING & GROOVING

Double-ended inserts for turning and grooving



Size	Dimension (mm)				
	CW	RE	BW	INSL	CDX
2	2.0	0.30	1.7	20	19
3	3.0	0.30	2.2	20	19
4	4.0	0.40	3.0	20	19
5	5.0	0.40	4.0	25	24
6	6.0	0.40	5.0	25	24

Insert	Designation	Insert seat size	Turning		Grooving	Cermet	Coated						Uncoated
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	TT9235	K10
	**TDCT 2E-0.3**	2	0.4-1.2	0.12-0.18	0.05-0.18			●		●		●	●	●
	3E-0.3	3	0.4-1.8	0.15-0.19	0.07-0.25			●		●		●	●	●
	4E-0.4	4	0.5-2.4	0.18-0.24	0.08-0.30			●		●				●
	5E-0.4	5	0.5-3.0	0.20-0.30	0.09-0.35			●		●				●
	6E-0.4	6	0.5-3.6	0.22-0.36	0.12-0.40			●		●				●

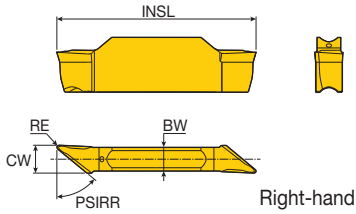
Cutting Condition B203-B208

●: Standard items

TDMV

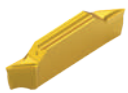
VT-CLAMP V-TURN

Double-ended inserts for turning and grooving with V-type shape



Right-hand shown

Size	Dimension (mm)				
	CW	RE	PSIRR/L	BW	INSL
2.8E-0.2	2.8	0.2	50	2.4	20
2.8E-0.4	2.8	0.4	50	2.4	20

Insert	Designation	Insert Seat Size	BWT(1)		FWT(2)		Coated		
			ap (mm)	Feed (mm/rev)	ap (mm)	Feed (mm/rev)	TT9080	TT9235	TT3020
	**TDMV 2.8E-0.2-R/L**	3	0.2-2.5	0.05-0.18	0.3-1.5	0.03-0.15	●	●	●
	2.8E-0.4-R/L	3	0.4-2.5	0.08-0.25	0.4-1.5	0.05-0.18	●		●

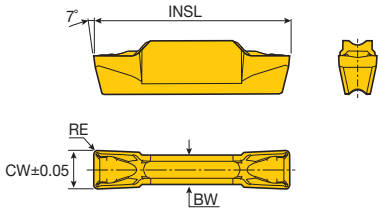
Cutting Condition B203-B208

- Recommended to use with TGFR/L type holder
- Lower supporter must be modified when using external grooving holder, for example TTER/L type
- (1) BWT: Backward turning
- (2) FWT: Forward turning

●: Standard items

TDXU

Double-ended inserts for grooving, turning, face grooving and parting



Size	Dimension (mm)			
	CW	RE	BW	INSL
2E-0.3	2.0	0.3	1.7	20.0
3E-0.3	3.0	0.3	2.2	20.0
4E-0.4	4.0	0.4	3.0	20.0
4E-0.8	4.0	0.8	3.0	20.0
5E-0.4	5.0	0.4	4.0	25.0
5E-0.8	5.0	0.8	4.0	25.0
6E-0.4	6.0	0.4	5.0	25.0
6E-0.8	6.0	0.8	5.0	25.0
8E-0.8	8.0	0.8	6.0	30.0

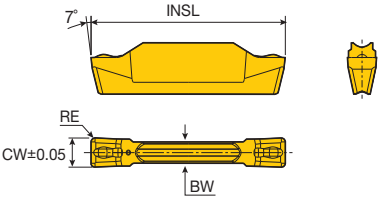
Insert	Designation	Insert seat size	Turning		Grooving	Cermet	Coated							Uncoated
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	TT7505	TT6080	TT3010	TT5100	TT9080	TT7220	TT8020	K10
	**TDXU 2E-0.3**	2	0.4-1.2	0.12-0.18	0.03-0.20		●	●	●	●	●		●	●
	3E-0.3	3	0.4-1.8	0.15-0.19	0.07-0.22	●	●	●	●	●	●	●	●	●
	4E-0.4	4	0.5-2.4	0.18-0.24	0.08-0.27	●	●	●	●	●	●	●	●	●
	4E-0.8	4	1.0-2.4	0.18-0.24	0.08-0.27	●	●	●	●	●	●	●	●	●
	5E-0.4	5	0.5-3.0	0.20-0.30	0.10-0.30	●	●	●	●	●	●	●	●	●
	5E-0.8	5	1.0-3.0	0.23-0.35	0.10-0.30	●	●	●	●	●	●	●	●	
	6E-0.4	6	0.5-3.6	0.22-0.36	0.13-0.40		●	●	●	●	●	●	●	
	6E-0.8	6	1.0-3.6	0.24-0.42	0.13-0.40		●	●	●	●	●	●	●	
	8E-0.8	8	1.0-4.8	0.30-0.56	0.14-0.50		●	●		●	●	●	●	

Cutting Condition B203-B208

●: Standard items

TDXT

Double-ended inserts for grooving, turning and face grooving



Size	Dimension (mm)			
	CW	RE	BW	INSL
3E-0.4	3.0	0.4	2.2	20.0
4E-0.4	4.0	0.4	3.0	20.0
5E-0.4	5.0	0.4	4.0	25.0
6E-0.8	6.0	0.8	5.0	25.0
8E-0.8	8.0	0.8	6.0	30.0

Insert	Designation	Insert seat size	Turning		Grooving	Cermet	Coated						Uncoated
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	**TDXT 3E-0.4**	3	0.5-1.8	0.15-0.22	0.06-0.15	●	●	●	●	●	●		●
	4E-0.4	4	0.5-2.4	0.18-0.30	0.07-0.20	●	●	●	●	●	●		●
	5E-0.4	5	0.5-3.0	0.20-0.35	0.08-0.23	●	●	●	●	●			●
	6E-0.8	6	1.0-3.6	0.24-0.42	0.12-0.30		●	●	●	●			●
	8E-0.8	8	1.0-4.8	0.30-0.56	0.15-0.35		●	●	●	●			●

Cutting Condition B203-B208

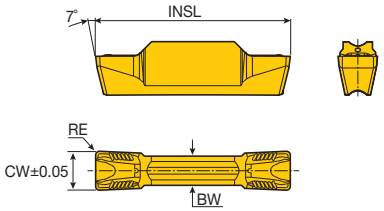
▸ Non-standard grade production available at the customer's request

●: Standard items

TDXY

T-CLAMP PARTING & GROOVING

Double-ended inserts for grooving, turning and face grooving



Size	Dimension (mm)				
	CW	RE	BW	INSL	
3E-0.4	3.0	0.40	2.2	20	
4E-0.4	4.0	0.40	3.0	20	
4E-0.8	4.0	0.80	3.0	20	
5E-0.4	5.0	0.40	4.0	25	
5E-0.8	5.0	0.80	4.0	25	
6E-0.4	6.0	0.40	5.0	25	
6E-0.8	6.0	0.80	5.0	25	

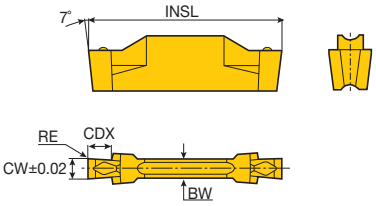
Insert	Designation		Insert seat size	Turning		Grooving	Cermet	Coated						Uncoated
				ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	TT7505	TT6080	TT3010	TT5100	TT9080	TT7220	TT8020	K10
	**TDXY**	**3E-0.4**	3	0.5-1.8	0.17-0.20	0.06-0.18	●		●	●		●			
		4E-0.4	4	0.5-2.4	0.20-0.27	0.07-0.20	●		●	●		●			
		4E-0.8	4	1.0-2.4	0.22-0.27	0.07-0.20			●	●		●			
		5E-0.4	5	0.5-3.0	0.22-0.32	0.08-0.23			●	●		●			
		5E-0.8	5	1.0-3.0	0.25-0.37	0.08-0.23			●	●		●			
		6E-0.4	6	0.5-3.6	0.25-0.38	0.12-0.35			●	●		●			
		6E-0.8	6	1.0-3.6	0.26-0.42	0.12-0.35			●	●		●			

Cutting Condition B203-B208

●: Standard items

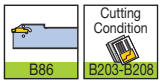
TDT

Precision double-ended inserts for external grooving only



Size	Dimension (mm)				
	CW	RE	BW	INSL	CDX
1.00	1.00	0.00	2.2	20.0	2.5
1.25	1.25	0.20	2.25	20.0	2.5
1.30	1.30	0.00	2.2	20.0	2.5
1.50	1.50	0.20	2.25	20.0	2.5
1.60	1.60	0.10	2.2	20.0	2.5
1.85	1.85	0.10	2.2	20.0	3.5
2.00	2.00	0.20	2.25	20.0	3.5
2.15	2.15	0.15	2.2	20.0	3.5

Insert	Designation	Insert seat size	Grooving	Cermet	Coated					Uncoated
			Feed (mm/rev)	CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	**TDT 1.00-0.00***	2	0.02-0.04					●	●		●
	1.25-0.20*	2	0.02-0.05	●							
	1.30-0.00*	2	0.02-0.05					●	●		●
	1.50-0.20*	2	0.03-0.07	●							
	1.60-0.10*	2	0.03-0.07					●	●		●
	1.85-0.10*	2	0.03-0.09					●	●		●
	2.00-0.20	2	0.03-0.09	●							
	2.15-0.15	2	0.03-0.10					●	●		●

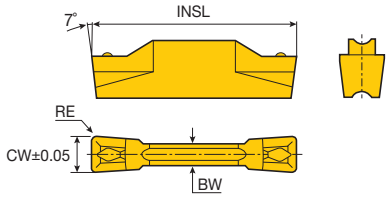


▸ *: Only for grooving. Please use TGFR/L ...-4 holder

●: Standard items

TDT-E

Double-ended inserts for turning and grooving



Size	Dimension (mm)			
	CW	RE	BW	INSL
3	3.0	0.4	2.2	20.0
4	4.0	0.4	3.0	20.0
6	6.0	0.8	5.0	25.0

Insert	Designation	Insert seat size	Turning		Grooving	Cermet	Ceramic		Coated						Uncoated
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	AB30		TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
 CE type	**TDT 3E-0.4**	3	0.5-1.8	0.15-0.22	0.07-0.15	●			●	●	●	●	●		●
	4E-0.4	4	0.5-2.4	0.18-0.30	0.09-0.18	●			●	●	●	●	●		●
	4E-0.4T CE(1)	4	0.5-2.4	0.18-0.30	0.09-0.35		●								
	6E-0.8T CE(1)	6	1.0-3.6	0.24-0.42	0.13-0.40		●								



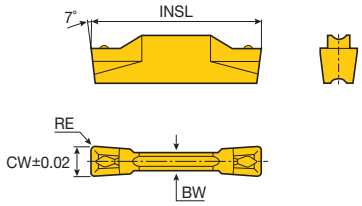
▸ (1) This insert is a pressed ceramic insert

●: Standard items

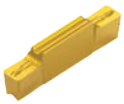
TDT-E

T-CLAMP PARTING & GROOVING

Precision double-ended inserts for turning and grooving



Size	Dimension (mm)			
	CW	RE	BW	INSL
2.5 / 2.65 / 3.00 / 3.15	2.50-3.15	0.15-0.40	2.2	20.0
4.00 / 4.15	4.00-4.15	0.15-0.80	3.0	20.0
4.78 / 5.00 / 5.15	4.78-5.15	0.15-0.80	4.0	25.0
6.00	6.00	0.80-1.20	5.0	25.0
8.00	8.00	0.80-1.20	6.0	30.0
10.00	10.00	0.80-2.00	8.0	30.0

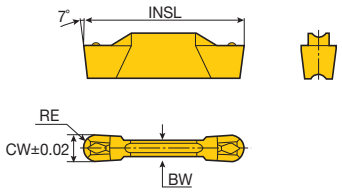
Insert	Designation	Insert seat size	Turning		Grooving	Cermet	Coated					Uncoated
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	**TDT 2.50E-0.20**	3	0.2-1.8	0.10-0.18	0.05-0.12	●							
	2.65E-0.15	3	0.2-1.8	0.10-0.18	0.05-0.12			●	●	●	●		●
	3.00E-0.20	3	0.3-2.0	0.12-0.20	0.07-0.13	●		●	●	●	●		●
	3.00E-0.40	3	0.5-2.0	0.15-0.22	0.07-0.15			●	●	●	●		●
	3.15E-0.15	3	0.2-2.0	0.15-0.22	0.07-0.15			●	●	●	●		●
	4.00E-0.40	4	0.5-2.4	0.18-0.30	0.09-0.18	●		●	●	●	●		●
	4.00E-0.80	4	1.0-2.4	0.18-0.30	0.09-0.18			●	●	●	●	●	●
	4.15E-0.15	4	0.5-2.4	0.18-0.30	0.09-0.18			●		●			
	4.78E-0.55	5	0.7-2.8	0.20-0.35	0.10-0.20			●		●	●		
	5.00E-0.40	5	0.5-2.3	0.20-0.35	0.11-0.20	●		●	●	●	●		●
	5.00E-0.80	5	1.0-3.0	0.23-0.35	0.11-0.21			●	●	●	●		●
	5.15E-0.15	5	0.2-3.0	0.23-0.35	0.11-0.21			●		●			
	6.00E-0.80	6	1.0-3.6	0.24-0.42	0.13-0.30			●	●	●	●		●
	6.00E-1.20	6	1.3-3.6	0.24-0.42	0.13-0.30			●		●	●		●
	8.00E-0.80	8	1.0-4.8	0.30-0.56	0.15-0.40			●	●	●	●		●
	8.00E-1.20	8	1.3-4.8	0.30-0.56	0.15-0.40			●	●	●	●		●
	10.00E-0.80	10	1.0-6.0	0.35-0.65	0.20-0.45			●		●			
	10.00E-1.20	10	1.0-6.0	0.40-0.80	0.20-0.45			●		●			
	10.00E-2.00	10	1.0-6.0	0.35-0.80	0.20-0.45			●		●			

Cutting Condition B203-B208

●: Standard items

TDT-E (Full-Radius)

Precision double-ended inserts for external turning, grooving and profiling



Size	Dimension (mm)			
	CW	RE	BW	INSL
3	3.00	1.50	2.2	20.0
4	4.00	2.00	3.0	20.0
4.78	4.78	2.39	4.0	25.0
5	5.00	2.50	4.0	25.0
6	6.00	3.00	5.0	25.0
8	8.00	4.00	6.0	30.0
10	10.00	5.00	8.0	30.0

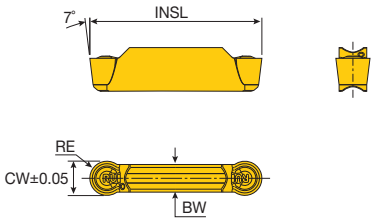
Insert	Designation	Insert seat size	Turning		Grooving	Cermet	Coated						Uncoated
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	**TDT 3.00E-1.50**	3	0.0-1.5	0.15-0.28	0.08-0.18				●	●	●		●
	4.00E-2.00	4	0.0-2.0	0.18-0.35	0.10-0.20				●	●	●	●	●
	4.78E-2.39	5	0.0-2.4	0.20-0.42	0.12-0.23				●	●	●		
	5.00E-2.50	5	0.0-2.5	0.20-0.42	0.12-0.23				●	●	●		●
	6.00E-3.00	6	0.0-3.0	0.25-0.54	0.15-0.27				●	●	●		●
	8.00E-4.00	8	0.0-4.0	0.30-0.67	0.18-0.35				●	●	●		
	10.00E-5.00	10	0.0-5.0	0.35-0.80	0.22-0.40					●	●		

Cutting Condition B203-B208

●: Standard items

TDT-RU (Full-Radius)

Double-ended inserts for external turning, grooving and profiling



Size	Dimension (mm)			
	CW	RE	BW	INSL
2	2.0	1.0	1.7	20.0
3	3.0	1.5	2.2	20.0
4	4.0	2.0	3.0	20.0
5	5.0	2.5	4.0	25.0
6	6.0	3.0	5.0	25.0
8	8.0	4.0	6.0	30.0

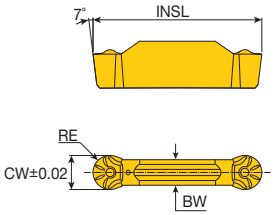
Insert	Designation	Insert seat size	Turning		Grooving	Cermet	Coated						Uncoated
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	TT7505	TT6080	TT5100	TT3010	TT9080	TT7220	TT8020	K10
	**TDT 2E-1.0-RU**	2	0.0-1.0	0.10-0.25	0.05-0.15		●	●	●	●	●	●		●
	3E-1.5-RU	3	0.0-1.5	0.15-0.28	0.08-0.18	●	●	●	●	●	●	●		●
	4E-2.0-RU	4	0.0-2.0	0.18-0.35	0.10-0.20	●	●	●	●	●	●	●		●
	5E-2.5-RU	5	0.0-2.5	0.20-0.42	0.12-0.23	●	●	●	●	●	●	●		●
	6E-3.0-RU	6	0.0-3.0	0.25-0.54	0.15-0.27	●	●	●	●	●	●	●		●
	8E-4.0-RU	8	0.0-4.0	0.30-0.67	0.18-0.35		●	●	●		●	●		●

Cutting Condition B203-B208

●: Standard items

TDT-RS (Full-Radius)

Precision double-ended inserts for external turning, grooving and profiling



Size	Dimension (mm)			
	CW	RE	BW	INSL
2	2.0	1.0	1.7	20.0
3	3.0	1.5	2.4	20.0
4	4.0	2.0	3.0	20.0
5	5.0	2.5	4.0	25.0
6	6.0	3.0	5.0	25.0

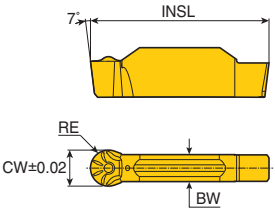
Insert	Designation	Insert seat size	Turning		Grooving	Cermet	Coated						Uncoated
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	TT7505	TT6080	TT5100	TT3010	TT9080	TT7220	TT8020	K10
	**TDT 2.00E-1.00-RS**	2	0.0-1.0	0.10-0.22	0.08-0.15					●	●			●
	3.00E-1.50-RS	3	0.0-1.5	0.15-0.28	0.09-0.18					●	●			●
	4.00E-2.00-RS	4	0.0-2.0	0.18-0.35	0.10-0.20					●	●			●
	5.00E-2.50-RS	5	0.0-2.5	0.25-0.54	0.13-0.23					●	●			●
	6.00E-3.00-RS	6	0.0-3.0	0.30-0.67	0.15-0.27					●	●			●

●: Standard items

Cutting Condition B203-B208

TST-RS (Full-Radius)

Precision single-ended inserts for external turning, grooving and profiling



Size	Dimension (mm)			
	CW	RE	BW	INSL
3	3.00	1.50	2.4	19.8
4	4.00	2.00	3.0	19.8
5	5.00	2.50	4.0	25.0
6	6.00	3.00	5.0	25.0

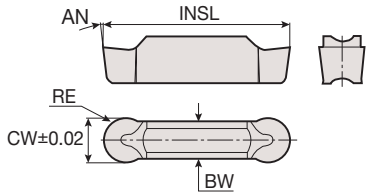
Insert	Designation	Insert seat size	Turning		Grooving	Cermet	Coated						Uncoated
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	TT7505	TT6080	TT5100	TT3010	TT9080	TT7220	TT8020	K10
	**TST 3.00E-1.50-RS**	3	0.0-1.5	0.15-0.28	0.09-0.18					●	●			
	4.00E-2.00-RS	4	0.0-2.0	0.18-0.35	0.10-0.20					●	●			
	5.00E-2.50-RS	5	0.0-2.5	0.25-0.54	0.13-0.23					●	●			
	6.00E-3.00-RS	6	0.0-3.0	0.30-0.67	0.15-0.27					●	●			

●: Standard items

Cutting Condition B203-B208

TDA

Inserts for aluminum wheel machining



Size	Dimension (mm)				
	CW	RE	BW	INSL	AN
3	3.00	1.5	2.4	20.0	7
4	4.00	2.0	3.0	20.0	7
5	5.00	2.5	4.0	25.0	7
6	6.00	3.0	5.0	25.0	7
8	8.00	4.0	6.0	30.0	10

Insert	Designation	Insert seat size	Turning		Grooving	PCD	Coated					Uncoated
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	TD1020	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	**TDA 3.00-1.50**	3	0.0-1.5	0.15-0.30	0.08-0.16								●
	4.00-2.00	4	0.0-2.0	0.20-0.43	0.10-0.22								●
	5.00-2.50	5	0.0-2.5	0.20-0.48	0.10-0.25								●
	6.00-3.00	6	0.0-3.0	0.21-0.58	0.11-0.29								●
	8.00-4.00	8	0.0-4.0	0.24-0.67	0.14-0.38								●

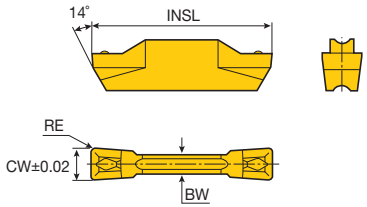
●: Standard items

Cutting Condition B203-B208

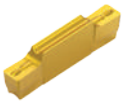
ADVANCE CUTTING TaeguTec

TDIT-E

Precision double-ended inserts for internal turning and grooving



Size	Dimension (mm)			
	CW	RE	BW	INSL
3	3.00	0.40	2.2	20.0
4	4.00	0.40-0.80	3.0	20.0
5	5.00	0.40-0.80	4.0	25.0
6	6.00	0.80-1.20	5.0	25.0
8	8.00	1.20	6.0	30.0

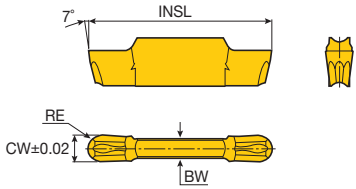
Insert	Designation	Insert seat size	Turning		Grooving	Cermet	Coated					Uncoated
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	**TDIT 3.00E-0.40**	3	0.5-1.8	0.15-0.22	0.07-0.15				●		●		●
	4.00E-0.40	4	0.5-2.4	0.18-0.30	0.09-0.18				●		●		●
	4.00E-0.80	4	1.0-2.4	0.18-0.30	0.09-0.18				●		●		●
	5.00E-0.40	5	0.5-2.3	0.20-0.35	0.11-0.20				●		●		●
	5.00E-0.80	5	1.0-3.0	0.23-0.35	0.11-0.21				●		●		●
	6.00E-0.80	6	1.0-3.6	0.24-0.42	0.13-0.30				●		●		●
	6.00E-1.20	6	1.3-3.6	0.24-0.42	0.13-0.30				●		●		●
	8.00E-0.80	8	1.0-4.8	0.30-0.56	0.15-0.40				●		●		●
	8.00E-1.20	8	1.3-4.8	0.30-0.56	0.15-0.40				●		●		

Cutting Condition B203-B208

●: Standard items

TDIT-E (Full-Radius)

Precision double-ended inserts for internal turning, grooving, profiling and undercutting



Size	Dimension (mm)			
	CW	RE	BW	INSL
3	3.00	1.50	2.2	20.0
4	4.00	2.00	3.0	20.0
5	5.00	2.50	4.0	25.0
6	6.00	3.00	5.0	25.0

Insert	Designation	Insert seat size	Turning		Grooving	Cermet	Coated					Uncoated
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	**TDIT 3.00E-1.50**	3	0.0-1.5	0.15-0.28	0.08-0.18				●		●		●
	4.00E-2.00	4	0.0-2.0	0.18-0.35	0.10-0.20				●		●		●
	5.00E-2.50	5	0.0-2.5	0.20-0.42	0.12-0.23				●		●		●
	6.00E-3.00	6	0.0-3.0	0.25-0.54	0.15-0.27				●		●		

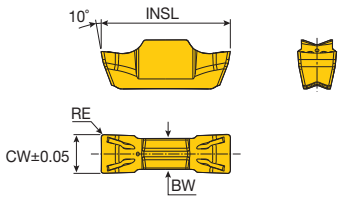
Cutting Condition B203-B208

●: Standard items

TDIM

T-CLAMP PARTING & GROOVING

Double-ended inserts for internal turning and grooving on small diameter



Size	Dimension (mm)			
	CW	RE	BW	INSL
2	2.0	0.15	1.6	10
3	3.0	0.20	2.4	10

Insert	Designation		Insert seat size	Turning		Grooving	Cermet	Coated					Uncoated
				ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	**TDIM**	**2E-0.15**	2	0.2-0.6	0.05-0.08	0.03-0.05					●			
		3E-0.2	3	0.3-1.3	0.10-0.14	0.05-0.09					●			

B85 B97-B98
Cutting Condition B203-B208

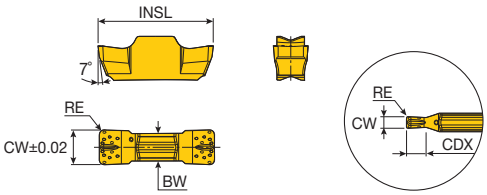
▸ Used holder TTSER/L, TTSIR/L, TGSIR/L

●: Standard items

TDIP

T-CLAMP PARTING & GROOVING

Precision double-ended inserts for internal turning and grooving on small diameter



Size	Dimension (mm)				
	CW	RE	BW	INSL	CDX
1.00	1.00	0.10-0.50	1.6	10	1.6
1.20	1.20	0.00	1.6	10	1.8
1.40	1.40	0.00	1.6	10	2.0
1.50	1.50	0.10	1.6	10	2.0
2.00	2.00	0.10-1.00	1.6	10	-
2.15	2.15	0.15	1.6	10	-
2.50	2.50	0.20	2.4	10	-
3.00	3.00	0.20-1.50	2.4	10	-

Insert	Designation	Insert seat size	Turning		Grooving	Cermet	Coated						Uncoated
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	**TDIP 1.00-0.10***	2	-	-	0.01-0.03					●			
	1.00-0.50*	2	-	-	0.01-0.04					●			
	1.20-0.00*	2	-	-	0.01-0.03					●			
	1.40-0.00*	2	-	-	0.02-0.04					●			
	1.50-0.10*	2	-	-	0.02-0.04					●			
	2.00E-0.10	2	0.2-0.6	0.05-0.07	0.03-0.05					●			
	2.00E-0.20	2	0.2-0.6	0.05-0.07	0.03-0.05					●			
	2.00E-1.00	2	0.0-0.6	0.08-0.12	0.04-0.07					●			
	2.15E-0.15	2	0.2-0.6	0.06-0.08	0.04-0.06					●			
	2.50E-0.20	3	0.2-1.1	0.07-0.09	0.04-0.07					●			
	3.00E-0.20	3	0.3-1.3	0.11-0.14	0.05-0.09					●			
	3.00E-1.50	3	0.0-1.5	0.13-0.20	0.05-0.11					●			

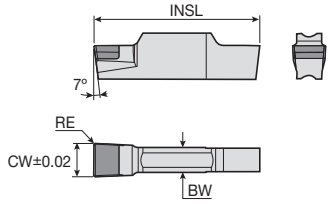
B85 B97-B98
Cutting Condition B203-B208

▸ *: Only for grooving: Please use TGSIR/L holder

●: Standard items

TSG

Single-ended CBN inserts for turning and grooving



Size	Dimension (mm)				
	CW	RE	BW	INSL	
2	2.0	0.2	1.7	20.0	
3	3.0	0.2	2.25	20.0	
4	4.0	0.2	3.0	20.0	
5	5.0	0.4	4.0	25.0	
6	6.0	0.4	5.0	25.0	
8	8.0	0.4	6.0	30.0	

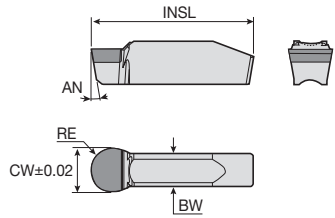
Insert	Designation	Insert seat size	Turning		Grooving	CBN						PCD			
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	TB610	TB650	TB670	TB2015	TB7015	TB7020	TD1010	TD1020	TD1030	
	**TSG 2.00H-0.20**	2	0.0-0.3	0.02-0.07	0.02-0.05				●						
	3.00H-0.20	3	0.0-0.3	0.02-0.07	0.02-0.05				●						
	4.00H-0.20	4	0.0-0.4	0.03-0.09	0.02-0.07				●						
	5.00H-0.40	5	0.0-0.5	0.05-0.13	0.03-0.10				●						
	6.00H-0.40	6	0.0-0.6	0.05-0.15	0.04-0.12				●						
	8.00H-0.40	8	0.0-0.8	0.07-0.20	0.05-0.16				●						

Cutting Condition B203-B208

●: Standard items

TSG (Full-Radius)

Single-ended CBN inserts for turning, grooving and profiling



Size	Dimension (mm)				
	CW	RE	BW	INSL	AN
2	2.0	1.0	1.7	20.0	7
3	3.0	1.5	2.4	20.0	7
4	4.0	2.0	3.0	20.0	7
5	5.0	2.5	4.0	25.0	7
6	6.0	3.0	5.0	25.0	7
8	8.0	4.0	6.0	30.0	10

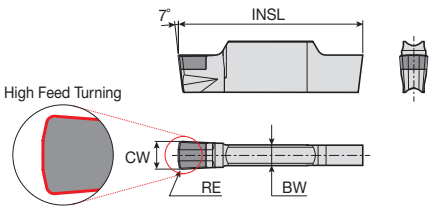
Insert	Designation	Insert seat size	Turning		Grooving	CBN						PCD			
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	TB610	TB650	TB670	TB2015	TB7015	TB7020	TD1010	TD1020	TD1030	
	**TSG 2.00H-1.00**	2	0.0-0.3	0.03-0.10	0.02-0.06				●						
	3.00H-1.50	3	0.0-0.3	0.03-0.10	0.02-0.06				●						
	4.00H-2.00	4	0.0-0.4	0.04-0.14	0.02-0.09				●						
	5.00H-2.50	5	0.0-0.5	0.05-0.18	0.03-0.11				●						
	6.00H-3.00	6	0.0-0.6	0.06-0.22	0.04-0.13				●						
	8.00H-4.00	8	0.0-0.8	0.08-0.29	0.05-0.17				●						

Cutting Condition B203-B208

●: Standard items

TSG-HF

Single-ended CBN inserts for high feed turning



Size	Dimension (mm)					
	CW	RE	BW	INSL		
3	3.0	0.3	2.2	20		
5	5.0	0.3	4.0	25		

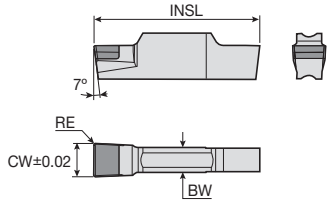
Insert	Designation	Insert seat size	Turning		CBN						PCD		
			ap (mm)	Feed (mm/rev)	TB610	TB650	TB670	TB2015	TB7015	TB7020	TD1010	TD1020	TD1030
	**TSG 3.0-0.3-HF**	3	0.08-0.12	0.40-0.80				●					
	5.0-0.3-HF	5	0.08-0.12	0.40-1.20				●					

Cutting Condition B203-B208

●: Standard items

TSA

Single-ended PCD inserts for turning and grooving



Size	Dimension (mm)				
	CW	RE	BW	INSL	
2	2.0	0.2	1.7	20.0	
3	3.0	0.2	2.25	20.0	
4	4.0	0.2	3.0	20.0	
5	5.0	0.2	4.0	25.0	
6	6.0	0.2	5.0	25.0	

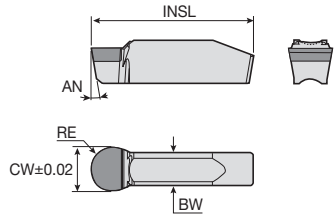
Insert	Designation	Insert seat size	Turning		Grooving	CBN						PCD			
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	TB610	TB650	TB670	TB2015	TB7015	TB7020	TD1010	TD1020	TD1030	
	**TSA 2.00-0.20**	2	0.2-1.2	0.10-0.22	0.07-0.13								●		
	3.00-0.20	3	0.2-1.8	0.12-0.25	0.08-0.14								●		
	4.00-0.20	4	0.5-2.4	0.14-0.31	0.10-0.20								●		
	5.00-0.20	5	0.5-3.0	0.16-0.34	0.11-0.23								●		
	6.00-0.20	6	0.5-3.6	0.19-0.41	0.11-0.20								●		

Cutting Condition B203-B208

●: Standard items

TSA (Full-Radius)

Single-ended PCD inserts for turning, grooving and profiling



Size	Dimension (mm)				
	CW	RE	BW	INSL	AN
2	2.0	1.0	1.7	20.0	7
3	3.0	1.5	2.4	20.0	7
4	4.0	2.0	3.0	20.0	7
5	5.0	2.5	4.0	25.0	7
6	6.0	3.0	5.0	25.0	7
8	8.0	4.0	6.0	30.0	10

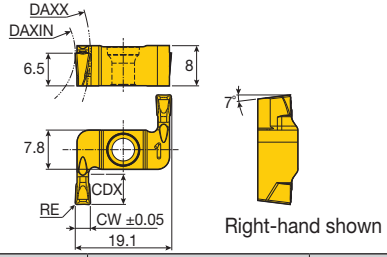
Insert	Designation	Insert seat size	Turning		Grooving	CBN						PCD			
			ap (mm)	Feed (mm/rev)	Feed (mm/rev)	TB610	TB650	TB670	TB2015	TB7015	TB7020	TD1010	TD1020	TD1030	
	**TSA 2.00-1.00**	2	0.0-1.0	0.07-0.20	0.05-0.12								●		
	3.00-1.50	3	0.0-1.5	0.10-0.25	0.05-0.15								●		
	4.00-2.00	4	0.0-2.0	0.18-0.35	0.08-0.18								●		
	5.00-2.50	5	0.0-5.5	0.20-0.42	0.10-0.20								●		
	6.00-3.00	6	0.0-3.0	0.26-0.72	0.13-0.36								●		
	8.00-4.00	8	0.0-4.0	0.24-0.67	0.14-0.38								●		

Cutting Condition B203-B208

●: Standard items

TDFX

Double-ended inserts for face grooving and turning



Right-hand shown

Size	Dimension (mm)				
	CW	RE	CDX	DAXIN	DAXX
2	2	0.3	6	25	N.L.
3	3	0.3	6	24	N.L.
4	4	0.4	6	32	N.L.

Insert	Designation	Turning		Grooving	Cermet	Coated					Uncoated
		ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	**TDFX 2E-0.3-D25R/L**	0.4-1.2	0.12-0.18	0.03-0.20					●			
	3E-0.3-D24R/L	0.4-1.8	0.15-0.20	0.07-0.20					●			
	4E-0.4-D32R/L	0.5-2.4	0.15-0.24	0.09-0.25					●			

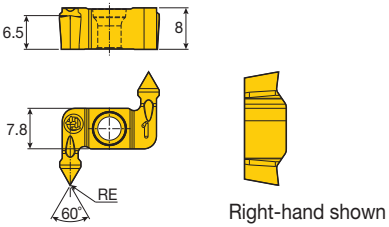
B103-B104 Cutting Condition B203-B208

▸ N.L.: No limit

●: Standard items

TDGX

Double-ended threading inserts with 60˚ partial profile



Right-hand shown

Size	Dimension (mm)				
	RE	TPN	TPX	TPIX	TPIN
4	0.05	0.45	3.5	56	8

Insert	Designation	Cermet	Coated					Uncoated
		CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	**TDGX 4MT-0.05-R/L**					●			

B103-B104

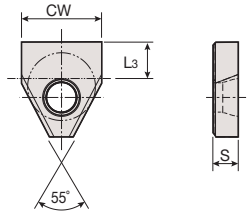
▸ TPN: Thread pitch minimum (mm)
▸ TPX: Thread pitch maximum (mm)
▸ TPIX : Thread per inch maximum
▸ TPIN : Thread per inch minimum

●: Standard items

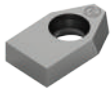
TGUX

TGROOVE

Semi finished blanks for wide grooving and profiling



Size	Dimension (mm)		
	CW	S	L_3
10	10.2	4.76	5.85
15	15.2	4.76	5.85
20	20.2	6.35	9.35
25	25.2	6.35	9.25

Insert	Designation	Cermet	Coated						Uncoated		
		CT3000	TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10	P40	UF10
	**TGUX 1004**								●	●	●
	1504								●	●	●
	2006								●	●	●
	2506								●	●	●





▸ This product is supplied as a blank and can be precision-ground into various geometries to meet specific application requirements.

●: Standard items

ADVANCE CUTTING
TaeguTec

T	Q	J	-	27	-	3	-	0.2	-	6	-	R
1	2	3		4		5		6		7		8

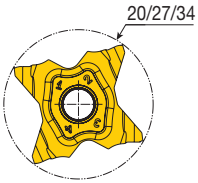
1 TaeguTec

2 QUAD-RUSH

3 Chip breaker type

 C	 J	 S
For medium	For light	For light & tailor made

4 Circular circumference of the insert

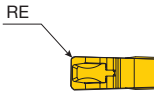


5 Width of insert



1.00 = 1.0 mm
1.50 = 1.5 mm
2.53 = 2.53 mm
3.18 = 3.18 mm

6 Conrer radius



0.10 = 0.1 mm
0.20 = 0.2 mm
0.30 = 0.3 mm
0.40 = 0.4 mm

7 Lead angle



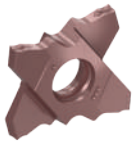
Right-hand shown

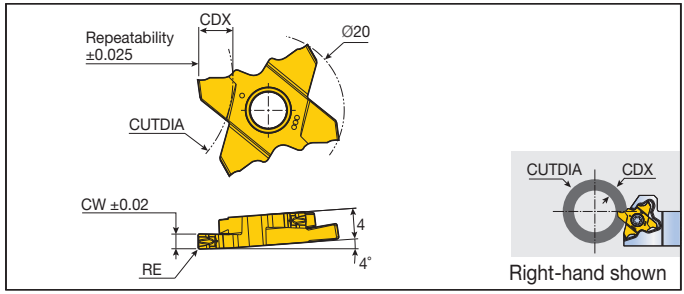
8 Hand of insert

 L	 R
Left-hand	Right-hand

TQJ 20

Precision grooving and parting inserts with J-Type chip breaker





Designation		Feed (mm/rev)	CW	RE	CDX	CUTDIA					Grade	
						CDX ≤ 2.7	≤ 3.5	≤ 4.0	≤ 4.5	≤ 5.0	TT9080	TT4430
TQJ	**20-1.00-0.10-R/L**	0.03-0.07	1.00	0.10	2.7	N.L.	-	-	-	-	●	●
	20-1.25-0.10-R/L	0.03-0.07	1.25	0.10	3.0	N.L.	-	-	-	-	●	●
	20-1.50-0.20-R/L	0.03-0.08	1.50	0.20	5.0	N.L.	70	50	30	16	●	●
	20-1.75-0.20-R/L	0.03-0.08	1.75	0.20	5.0	N.L.	70	50	30	16	●	●
	20-2.00-0.20-R/L	0.04-0.10	2.00	0.20	5.0	N.L.	70	50	30	16	●	●
	20-2.50-0.20-R/L	0.04-0.10	2.50	0.20	5.0	N.L.	70	50	30	16	●	●
	20-3.00-0.20-R/L	0.05-0.12	3.00	0.20	5.0	N.L.	70	50	30	16	●	●
	20-3.00-0.30-R/L	0.05-0.12	3.00	0.30	5.0	N.L.	70	50	30	16	●	●

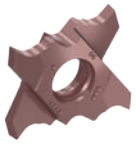
Cutting Condition
B110-B115 B203-B208

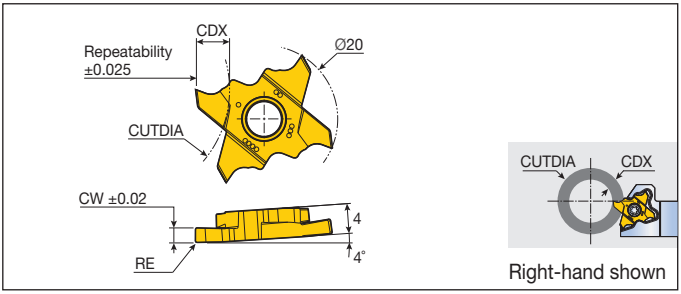
▸ N.L.: No limit

●: Standard items

TQS 20

Precision grooving and parting inserts with ground chip breaker





Designation		Feed (mm/rev)	CW	RE	CDX	CUTDIA						Grade
						CDX ≤ 2.2	≤ 2.7	≤ 3.5	≤ 4.0	≤ 4.5	≤ 5.0	TT4430
TQS	**20-0.50-0.05-R/L**	0.03-0.07	0.50	0.05	2.2	N.L.	-	-	-	-	-	●
	20-0.75-0.10-R/L	0.03-0.07	0.75	0.10	2.2	N.L.	-	-	-	-	-	●
	20-0.95-0.10-R/L	0.03-0.07	0.95	0.10	2.2	N.L.	-	-	-	-	-	●
	20-1.00-0.05-R/L	0.03-0.07	1.00	0.05	2.7	N.L.	N.L.	-	-	-	-	●
	20-1.00-0.10-R/L	0.03-0.07	1.00	0.10	2.7	N.L.	N.L.	-	-	-	-	●
	20-1.50-0.10-R/L	0.03-0.10	1.50	0.10	5.0	N.L.	N.L.	70	50	30	16	●
	20-2.00-0.10-R/L	0.04-0.12	2.00	0.10	5.0	N.L.	N.L.	70	50	30	16	●
	20-2.00-0.20-R/L	0.04-0.12	2.00	0.20	5.0	N.L.	N.L.	70	50	30	16	●
	20-2.00-1.00-R/L*	0.05-0.13	2.00	1.00	5.0	N.L.	N.L.	70	50	30	16	●
	20-2.50-0.10-R/L	0.04-0.15	2.50	0.10	5.0	N.L.	N.L.	70	50	30	16	●
	20-3.00-0.10-R/L	0.04-0.16	3.00	0.10	5.0	N.L.	N.L.	70	50	30	16	●
	20-3.00-1.50-R/L*	0.04-0.16	3.00	1.50	5.0	N.L.	N.L.	70	50	30	16	●

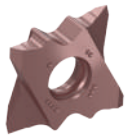
B110-B115 Cutting Condition B203-B208

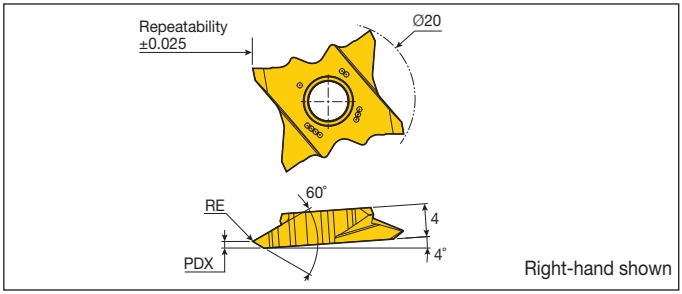
- N.L.: No limit
- * : Full radius insert

●: Standard items

TQS 20-MT

Partial profile 60˚ threading inserts





Designation		Dimension (mm)						Grade
		TPN	TPX	TPIX	TPIN	RE	PDX	TT4430
TQS	**20-MT-0.05-R/L**	0.30	1.75	48	14	0.05	0.8	●

B110-B115 Cutting Condition B203-B208

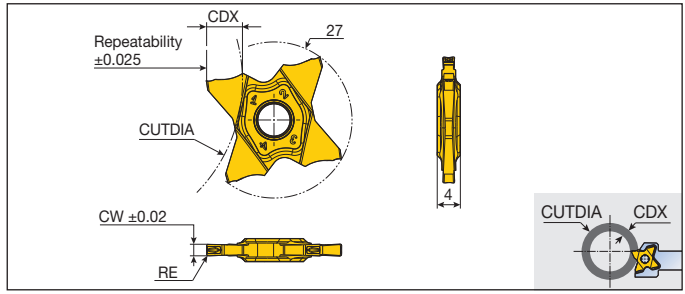
- TPN: Thread pitch minimum (mm)
- TPX: Thread pitch maximum (mm)
- TPIN: Thread per inch minimum
- TPIX: Thread per inch maximum

●: Standard items

TQJ 27

Precision grooving and parting inserts





Designation	Feed (mm/rev)	CW	RE	CDX	CUTDIA										Grade
					CDX ≤ 3.0	≤ 3.5	≤ 4.0	≤ 4.5	≤ 5.0	≤ 5.5	≤ 5.7	≤ 6.0	≤ 6.2	≤ 6.4	TT9080
TQJ 27-0.50-0.00	0.02-0.04	0.50	0.00	1.0	-	-	-	-	-	-	-	-	-	-	●
27-0.50-0.04	0.02-0.04	0.50	0.04	2.5	-	-	-	-	-	-	-	-	-	-	●
27-0.75-0.10	0.02-0.05	0.75	0.10	2.5	-	-	-	-	-	-	-	-	-	-	●
27-0.80-0.00	0.02-0.05	0.80	0.00	1.6	-	-	-	-	-	-	-	-	-	-	●
27-1.00-0.06	0.03-0.07	1.00	0.06	3.5	N.L.	600	-	-	-	-	-	-	-	-	●
27-1.00-0.10	0.03-0.07	1.00	0.10	3.5	N.L.	600	-	-	-	-	-	-	-	-	●
27-1.04-0.00	0.03-0.07	1.04	0.00	2.0	-	-	-	-	-	-	-	-	-	-	●
27-1.20-0.00	0.03-0.07	1.20	0.00	2.0	-	-	-	-	-	-	-	-	-	-	●
27-1.25-0.10	0.03-0.07	1.25	0.10	3.5	N.L.	600	-	-	-	-	-	-	-	-	●
27-1.25-0.20	0.03-0.07	1.25	0.20	3.5	N.L.	600	-	-	-	-	-	-	-	-	●
27-1.40-0.00	0.03-0.08	1.40	0.00	2.0	-	-	-	-	-	-	-	-	-	-	●
27-1.47-0.00	0.03-0.08	1.47	0.00	2.5	-	-	-	-	-	-	-	-	-	-	●
27-1.50-0.10	0.03-0.08	1.50	0.10	5.7	N.L.	600	280	180	130	50	35	-	-	-	●
27-1.50-0.20	0.03-0.08	1.50	0.20	5.7	N.L.	600	280	180	130	50	35	-	-	-	●
27-1.57-0.10	0.03-0.08	1.57	0.10	3.0	N.L.	-	-	-	-	-	-	-	-	-	●
27-1.57-0.15	0.03-0.08	1.57	0.15	3.0	N.L.	-	-	-	-	-	-	-	-	-	●
27-1.70-0.10	0.03-0.08	1.70	0.10	3.0	N.L.	-	-	-	-	-	-	-	-	-	●
27-1.75-0.10	0.03-0.08	1.75	0.10	3.0	N.L.	-	-	-	-	-	-	-	-	-	●
27-1.75-0.20	0.03-0.08	1.75	0.20	3.0	N.L.	-	-	-	-	-	-	-	-	-	●
27-1.78-0.18	0.04-0.10	1.78	0.18	3.0	N.L.	-	-	-	-	-	-	-	-	-	●
27-1.85-0.20	0.04-0.10	1.85	0.20	3.0	N.L.	-	-	-	-	-	-	-	-	-	●
27-1.96-0.15	0.04-0.10	1.96	0.15	3.0	N.L.	-	-	-	-	-	-	-	-	-	●
27-2.00-0.10	0.04-0.10	2.00	0.10	6.4	N.L.	600	280	180	130	105	85	60	50	30	●
27-2.00-0.20	0.04-0.10	2.00	0.20	6.4	N.L.	600	280	180	130	105	85	60	50	30	●
27-2.22-0.15	0.04-0.10	2.22	0.15	3.5	N.L.	600	-	-	-	-	-	-	-	-	●
27-2.30-0.20	0.04-0.10	2.30	0.20	3.5	N.L.	600	-	-	-	-	-	-	-	-	●
27-2.39-0.15	0.04-0.10	2.39	0.15	5.7	N.L.	600	280	180	130	50	35	-	-	-	●
27-2.47-0.20	0.04-0.10	2.47	0.20	5.7	N.L.	600	280	180	130	50	35	-	-	-	●
27-2.50-0.10	0.04-0.10	2.50	0.10	5.7	N.L.	600	280	180	130	50	35	-	-	-	●
27-2.50-0.30	0.05-0.12	2.50	0.30	5.7	N.L.	600	280	180	130	50	35	-	-	-	●
27-2.70-0.10	0.05-0.12	2.70	0.10	6.2	N.L.	600	280	180	135	105	95	85	78	-	●
27-2.87-0.20	0.05-0.12	2.87	0.20	6.2	N.L.	600	280	180	135	105	95	85	78	-	●

Cutting Condition
B116-B119 B203-B208

▸ N.L.: No limit

●: Standard items

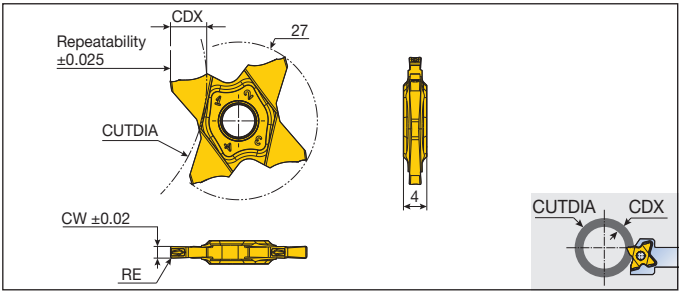
ADVANCE CUTTING TaeguTec

TQJ 27

QUADRUSH PARTING & GROOVING

Precision grooving and parting inserts





Designation		Feed (mm/rev)	CW	RE	CDX	CUTDIA										Grade
						CDX ≤ 3.0	≤ 3.5	≤ 4.0	≤ 4.5	≤ 5.0	≤ 5.5	≤ 5.7	≤ 6.0	≤ 6.2	≤ 6.4	TT9080
TQJ	27-3.00-0.00	0.05-0.12	3.00	0.00	6.4	N.L.	600	280	180	135	105	95	85	78	55	●
	27-3.00-0.20	0.05-0.12	3.00	0.20	6.4	N.L.	600	280	180	135	105	95	85	78	55	●
	27-3.00-0.30	0.05-0.12	3.00	0.30	6.4	N.L.	600	280	180	135	105	95	85	78	55	●
	27-3.00-0.40	0.05-0.12	3.00	0.40	6.4	N.L.	600	280	180	135	105	95	85	78	55	●
	27-3.15-0.15	0.05-0.12	3.15	0.15	6.4	N.L.	600	280	180	135	105	95	85	78	68	●
	27-3.18-0.20	0.05-0.12	3.18	0.20	6.4	N.L.	600	280	180	135	105	95	85	78	68	●

B116-B119 Cutting Condition B203-B208

▸ N.L.: No limit

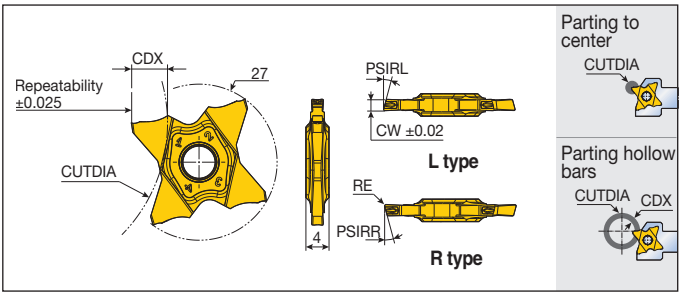
●: Standard items

TQJ 27

QUADRUSH PARTING & GROOVING

Parting inserts





Designation		Feed (mm/rev)	CW	RE	PSIRR/L	Parting to center	Parting hollow bars		Grade
						CUTDIA	CDX	CUTDIA	TT9080
TQJ	27-1.00-15R/L	0.02-0.06	1.00	0.06	15°	7.0	3.5	600	●
	27-1.50-6R/L	0.02-0.06	1.50	0.06	6°	12.0	5.7	35	●
	27-1.50-15R/L	0.02-0.06	1.50	0.06	15°	12.0	5.7	35	●
	27-2.00-6R/L	0.03-0.08	2.00	0.10	6°	13.0	6.4	30	●
	27-2.00-15R/L	0.03-0.08	2.00	0.10	15°	13.0	6.4	30	●

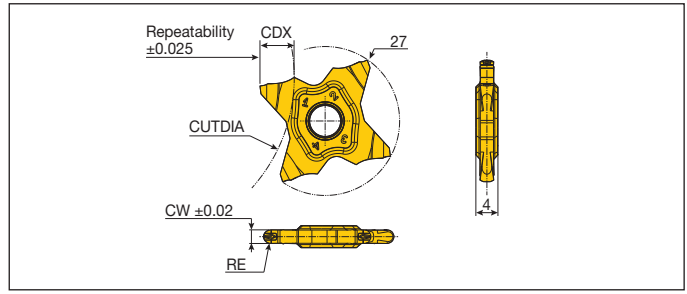
B116-B119 Cutting Condition B203-B208

●: Standard items

TQJ 27

Full radius inserts





Designation		Feed (mm/rev)	CW	RE	CDX	CUTDIA									Grade
						CDX ≤ 3.0	≤ 3.5	≤ 4.0	≤ 4.5	≤ 5.0	≤ 5.5	≤ 5.7	≤ 6.0	≤ 6.2	≤ 6.4	TT9080
TQJ	**27-1.57-0.79**	0.05-0.08	1.57	0.79	3.0	N.L.	-	-	-	-	-	-	-	-	-	●
	27-2.00-1.00	0.05-0.11	2.00	1.00	3.5	N.L.	600	-	-	-	-	-	-	-	-	●
	27-2.39-1.20	0.05-0.11	2.39	1.20	5.7	N.L.	600	280	180	130	50	35	-	-	-	●
	27-3.00-1.50	0.06-0.12	3.00	1.50	6.4	N.L.	600	280	180	135	105	95	85	78	55	●

B116-B119 Cutting Condition B203-B208

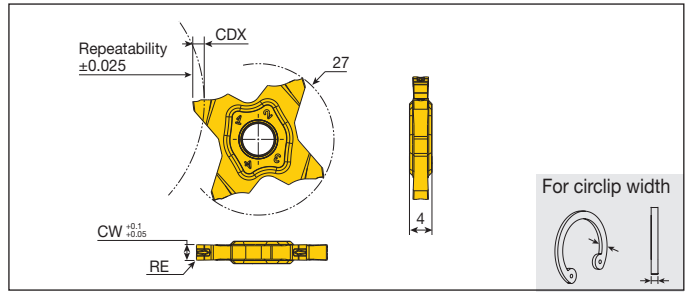
▸ N.L.: No limit

●: Standard items

TQJ 27

DIN 471 circlip grooving and shallow grooving inserts





Designation		Feed (mm/rev)	CW	RE	CDX	For circlip width	Grade
							TT9080
TQJ	**27-1.10-0.08-CG**	0.03-0.07	1.10	0.08	1.50	1.10	●
	27-1.30-0.08-CG	0.03-0.07	1.30	0.08	1.50	1.30	●
	27-1.60-0.08-CG	0.03-0.08	1.60	0.08	2.00	1.60	●
	27-1.85-0.08-CG	0.03-0.08	1.85	0.08	2.00	1.85	●
	27-2.15-0.08-CG	0.04-0.10	2.15	0.08	2.50	2.15	●
	27-2.65-0.15-CG	0.05-0.12	2.65	0.15	2.50	2.65	●

B116-B119 Cutting Condition B203-B208

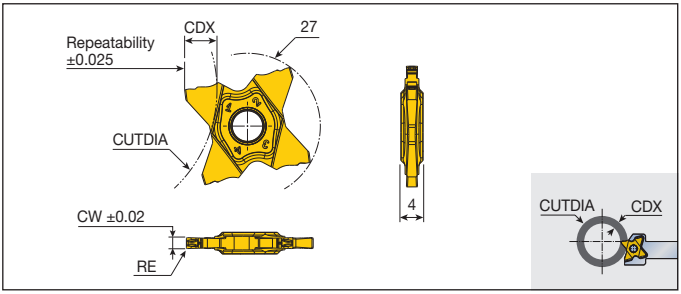
▸ When selecting insert, please keep in your mind insert tolerance

●: Standard items

TQC 27

Precision grooving and parting inserts





Designation	Feed (mm/rev)	CW	RE	CDX	CUTDIA											Grade
					CDX ≤ 3.0	≤ 3.5	≤ 4.0	≤ 4.5	≤ 5.0	≤ 5.5	≤ 5.7	≤ 6.0	≤ 6.2	≤ 6.4	≤ 6.5	TT9080
TQC 27-1.50-0.10	0.05-0.08	1.50	0.10	5.7	N.L.	600	280	180	130	50	35	-	-	-	-	●
27-1.50-0.20	0.05-0.06	1.50	0.20	5.7	N.L.	600	280	180	130	50	35	-	-	-	-	●
27-1.57-0.15	0.05-0.08	1.57	0.15	3.0	N.L.	-	-	-	-	-	-	-	-	-	-	●
27-1.70-0.10	0.05-0.09	1.70	0.10	3.0	N.L.	-	-	-	-	-	-	-	-	-	-	●
27-1.75-0.10	0.05-0.10	1.75	0.10	3.0	N.L.	-	-	-	-	-	-	-	-	-	-	●
27-1.75-0.20	0.05-0.09	1.75	0.20	3.0	N.L.	-	-	-	-	-	-	-	-	-	-	●
27-1.78-0.18	0.05-0.11	1.78	0.18	3.0	N.L.	-	-	-	-	-	-	-	-	-	-	●
27-1.85-0.20	0.05-0.11	1.85	0.20	3.0	N.L.	-	-	-	-	-	-	-	-	-	-	●
27-1.96-0.15	0.05-0.11	1.96	0.15	3.0	N.L.	-	-	-	-	-	-	-	-	-	-	●
27-2.00-0.10	0.05-0.17	2.00	0.10	6.4	N.L.	600	280	180	130	105	85	60	50	30	-	●
27-2.00-0.20	0.05-0.15	2.00	0.20	6.4	N.L.	600	280	180	130	105	85	60	50	30	-	●
27-2.22-0.15	0.05-0.15	2.22	0.15	3.5	N.L.	600	-	-	-	-	-	-	-	-	-	●
27-2.30-0.20	0.05-0.16	2.30	0.20	3.5	N.L.	600	-	-	-	-	-	-	-	-	-	●
27-2.39-0.15	0.05-0.16	2.39	0.15	5.7	N.L.	600	280	180	130	50	35	-	-	-	-	●
27-2.47-0.20	0.05-0.19	2.47	0.20	5.7	N.L.	600	280	180	130	50	35	-	-	-	-	●
27-2.50-0.10	0.05-0.20	2.50	0.10	5.7	N.L.	600	280	180	130	50	35	-	-	-	-	●
27-2.50-0.30	0.05-0.17	2.50	0.30	5.7	N.L.	600	280	180	130	50	35	-	-	-	-	●
27-2.70-0.10	0.05-0.19	2.70	0.10	6.2	N.L.	600	280	180	135	105	95	85	78	-	-	●
27-2.87-0.20	0.05-0.19	2.87	0.20	6.2	N.L.	600	280	180	135	105	95	85	78	-	-	●
27-3.00-0.00	0.05-0.11	3.00	0	6.4	N.L.	600	280	180	135	105	95	85	78	55	-	●
27-3.00-0.20	0.06-0.23	3.00	0.20	6.4	N.L.	600	280	180	135	105	95	85	78	55	-	●
27-3.00-0.30	0.06-0.25	3.00	0.30	6.4	N.L.	600	280	180	135	105	95	85	78	55	-	●
27-3.00-0.40	0.06-0.25	3.00	0.40	6.4	N.L.	600	280	180	135	105	95	85	78	55	-	●
27-3.15-0.15	0.06-0.21	3.15	0.15	6.4	N.L.	600	280	180	135	105	95	85	78	68	-	●
27-3.18-0.20	0.06-0.23	3.18	0.20	6.4	N.L.	600	280	180	135	105	95	85	78	68	-	●
27-3.30-0.10	0.06-0.23	3.30	0.10	6.5	N.L.	600	280	180	135	105	85	65	50	40	35	●
27-3.48-0.20	0.06-0.23	3.48	0.20	6.5	N.L.	600	280	180	135	105	85	65	50	40	35	●
27-3.56-0.20	0.06-0.23	3.56	0.20	6.5	N.L.	600	280	180	135	105	85	65	55	40	35	●
27-3.74-0.20	0.06-0.23	3.74	0.20	6.5	N.L.	600	280	180	135	105	85	65	55	40	35	●
27-3.98-0.20	0.07-0.30	3.98	0.20	6.5	N.L.	600	280	180	135	105	95	85	78	40	45	●
27-4.00-0.30	0.07-0.30	4.00	0.30	6.5	N.L.	600	280	180	135	105	95	85	78	40	45	●
27-4.00-0.40	0.07-0.30	4.00	0.40	6.5	N.L.	600	280	180	135	105	95	85	78	40	45	●
27-4.00-0.80	0.07-0.30	4.00	0.80	6.5	N.L.	600	280	180	135	105	95	85	78	40	45	●
27-4.15-0.15	0.07-0.30	4.15	0.15	6.5	N.L.	600	280	180	135	105	95	85	78	40	45	●
27-4.23-0.10	0.07-0.30	4.23	0.10	6.5	N.L.	600	280	180	135	105	95	85	78	55	65	●

B116-B119 Cutting Condition B203-B208

▸ N.L.: No limit

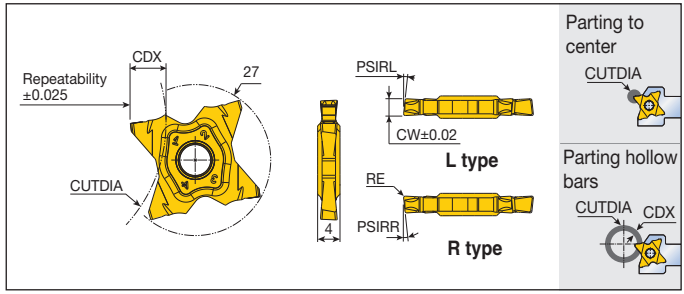
●: Standard items

TQC 27

QUADRUSH

Parting inserts





Designation	Feed (mm/rev)	CW	RE	PSIRR/L	Parting to center	Parting hollow bars		Grade
					CUTDIA	CDX	CUTDIA	TT9080
TQC 27-1.50-6R/L	0.03-0.07	1.50	0.06	6°	12.0	5.7	35	●
27-1.50-15R/L	0.03-0.07	1.50	0.06	15°	12.0	5.7	35	●
27-2.00-6R/L	0.04-0.14	2.00	0.10	6°	13.0	6.4	30	●
27-2.00-15R/L	0.04-0.14	2.00	0.10	15°	13.0	6.4	30	●

B116-B119 Cutting Condition B203-B208

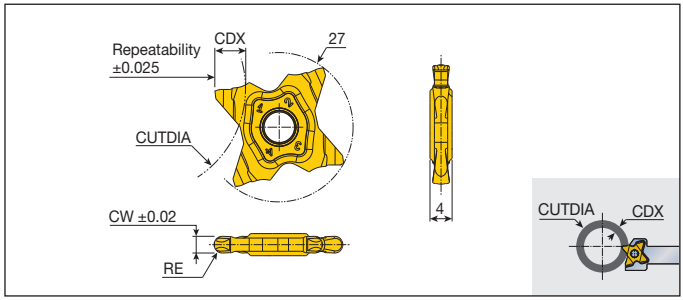
●: Standard items

TQC 27

QUADRUSH

Full radius inserts





Designation	Feed (mm/rev)	CW	RE	CDX	CUTDIA										Grade
					CDX ≤ 3.0	≤ 3.5	≤ 4.0	≤ 4.5	≤ 5.0	≤ 5.5	≤ 5.7	≤ 6.0	≤ 6.2	≤ 6.4	≤ 6.5	TT9080
TQC 27-1.57-0.79	0.05-0.09	1.57	0.79	3.0	N.L.	-	-	-	-	-	-	-	-	-	-	●
27-2.00-1.00	0.05-0.13	2.00	1.00	3.5	N.L.	600	-	-	-	-	-	-	-	-	-	●
27-2.39-1.20	0.06-0.17	2.39	1.20	5.7	N.L.	600	280	180	130	50	35	-	-	-	-	●
27-3.00-1.50	0.06-0.20	3.00	1.50	6.4	N.L.	600	280	180	135	105	95	85	55	55	-	●
27-4.00-2.00	0.07-0.24	4.00	2.00	6.5	N.L.	600	280	180	135	105	95	85	78	40	45	●

B116-B119 Cutting Condition B203-B208

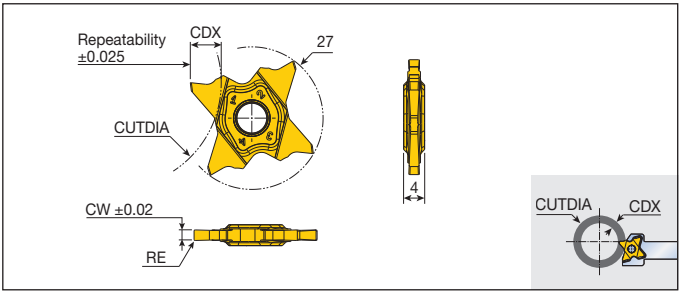
▸ N.L.: No limit

●: Standard items

TQS 27

Precision grooving and parting inserts





Designation		Feed (mm/rev)	CW(1)	RE	CDX	CUTDIA										Grade
						CDX ≤ 3.0	≤ 3.5	≤ 4.0	≤ 4.5	≤ 5.0	≤ 5.5	≤ 5.7	≤ 6.0	≤ 6.2	≤ 6.4	TT9080
TQS	27-1.00-0.10	0.03-0.07	1.00	0.10	3.5	N.L.	600	-	-	-	-	-	-	-	-	●
	27-1.50-0.20	0.03-0.10	1.50	0.20	5.7	N.L.	600	280	180	130	50	35	-	-	-	●
	27-2.00-0.20	0.04-0.10	2.00	0.20	6.4	N.L.	600	280	180	130	105	85	60	50	30	●
	27-2.39-0.15	0.04-0.15	2.39	0.15	5.7	N.L.	600	280	180	130	50	35	-	-	-	●
	27-2.47-0.20	0.04-0.15	2.47	0.20	5.7	N.L.	600	280	180	130	-	-	-	-	-	●
	27-2.50-0.20	0.04-0.15	2.50	0.20	5.7	N.L.	600	280	180	130	50	35	-	-	-	●
	27-3.00-0.20	0.04-0.15	3.00	0.20	6.4	N.L.	600	280	180	135	105	95	85	78	55	●
	27-3.18 -0.20	0.05-0.16	3.18	0.20	6.4	N.L.	600	280	180	135	105	95	85	78	68	●

B116-B119 Cutting Condition B203-B208

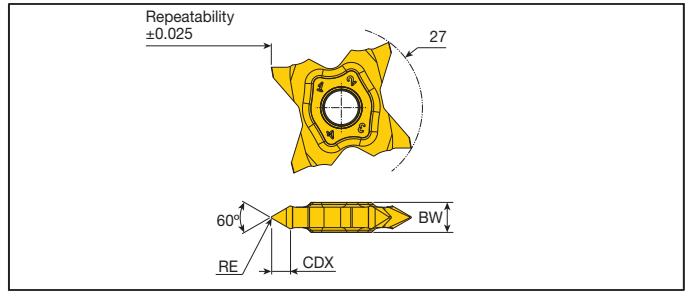
▸ (1) Other size of width from 0.5mm up to 8.2mm can be supplied as special ●: Standard items
▸ N.L.: No limit

TQS 27-MT

QUADRUSH PARTING & GROOVING

Partial profile 60˚ threading inserts





Designation	Dimension (mm)							Grade
	TPN	TPX	TPIX	TPIN	RE	BW	CDX	TT9080
TQS 27-4MT-0.05	0.45	3	48	8	0.05	4	2.8	●
27-4MT-0.14	1.11	3	23	8	0.14	4	2.7	●
27-5MT-0.15	1.25	3	20	8	0.15	5	3.1	●
27-5MT-0.20	1.63	3	16	8	0.20	5	3.1	●
27-6MT-0.25	1.94	3	13	8	0.25	6	3.6	●

B116-B119 Cutting Condition B203-B208

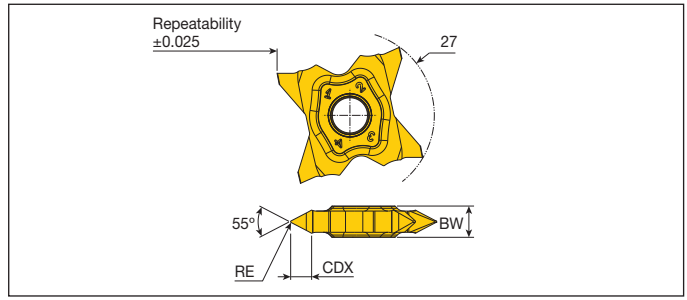
▸ TPN: Thread pitch minimum (mm) ▸ TPX: Thread pitch maximum (mm) ●: Standard items
▸ TPIX: Thread per inch maximum ▸ TPIN: Thread per inch minimum

TQS 27-WT

QUADRUSH PARTING & GROOVING

Partial profile 55˚ threading inserts





Designation	Dimension (mm)					Grade
	TPIX	TPIN	RE	BW	CDX	TT9080
TQS 27-4WT-0.05	54	10	0.05	4	2.9	●
27-5WT-0.15	19	10	0.15	5	3.3	●
27-6WT-0.25	12	9	0.25	6	3.9	●

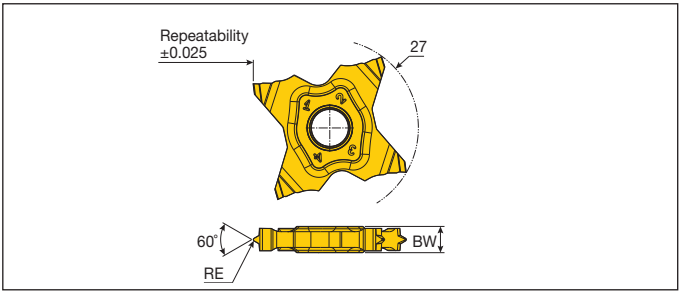
B116-B119 Cutting Condition B203-B208

▸ TPIX: Thread per inch maximum ●: Standard items
▸ TPIN: Thread per inch minimum

TQS 27-ISO

ISO metric full profile, external threading inserts





Designation	Dimension (mm)			Grade
	TP	RE	BW	TT9080
TQS 27-0.5-ISO	0.50	0.08	4	●
27-0.75-ISO	0.75	0.11	4	●
27-0.8-ISO	0.80	0.12	4	●
27-1.0-ISO	1.00	0.14	4	●
27-1.25-ISO	1.25	0.18	4	●
27-1.5-ISO	1.50	0.22	4	●
27-1.75-ISO	1.75	0.25	4	●
27-2.0-ISO	2.00	0.28	4	●

B116-B119 Cutting Condition B203-B208

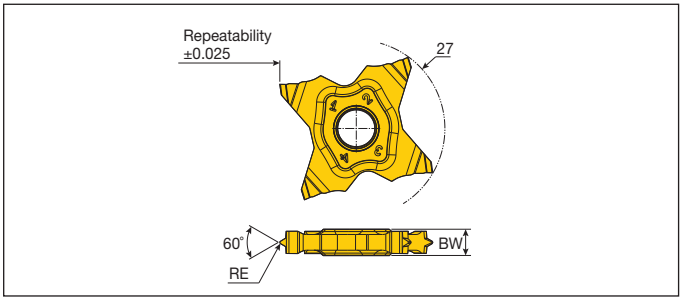
▸ TP: Thread pitch (mm)

●: Standard items

TQS 27-UN

American UN (UNC, UNF, UNEF) full profile, external threading inserts





Designation	Dimension (mm)			Grade
	TPI	RE	BW	TT9080
TQS 27-24-UN	24	0.13	4	●
27-20-UN	20	0.16	4	●
27-18-UN	18	0.16	4	●
27-16-UN	16	0.21	4	●
27-14-UN	14	0.23	4	●
27-12-UN	12	0.27	4	●

B116-B119 Cutting Condition B203-B208

▸ TPI: Thread per inch

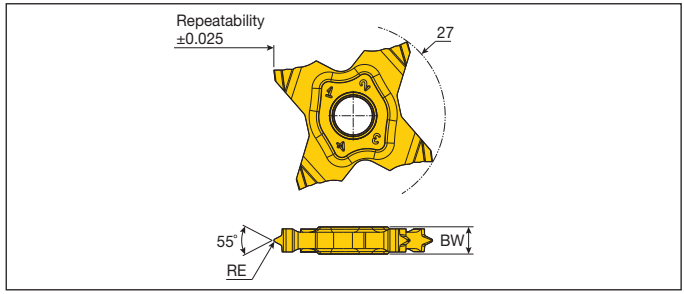
●: Standard items

TQS 27-W

QUADRUSH PARTING & GROOVING

Whitworth (BSW, BSF, BSP) full profile, external threading inserts





Designation	Dimension (mm)			Grade
	TPI	RE	BW	TT9080
TQS 27-28-W	28	0.09	4	●
27-19-W	19	0.15	4	●
27-18-W	18	0.16	4	●
27-16-W	16	0.19	4	●
27-14-W	14	0.21	4	●
27-12-W	12	0.25	4	●

Cutting Condition
B116-B119 B203-B208

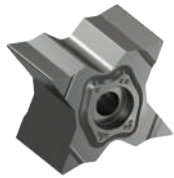
▸ TPI: Thread per inch

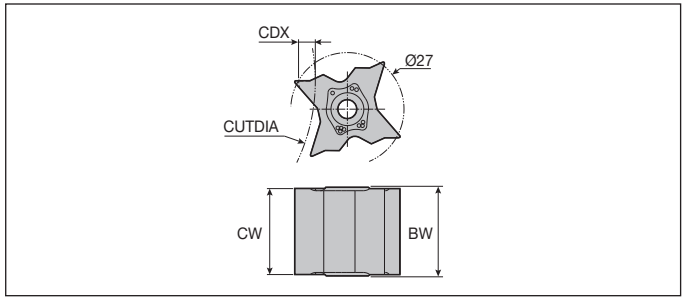
●: Standard items

TQBS 27

QUADRUSH PARTING & GROOVING

4 cutting edges with semi-finished blanks for wide grooving and profiling





Designation		Dimension (mm)		CUTDIA										Grade
		CW	BW	CDX≤3.0	≤3.5	≤4.0	≤4.5	≤5.0	≤5.5	≤5.7	≤6.0	≤6.2	≤6.4	UF10
TQBS	**27-10EW**	10.5	11.1	N.L.	600	280	180	135	105	95	85	78	55	●
	27-15EW	15.5	16.1	N.L.	600	280	180	135	105	95	85	78	55	●
	27-20EW	20.5	21.1	N.L.	600	280	180	135	105	95	85	78	55	●

Cutting Condition
B123 B203-B208



▸ N.L.: No limit

▸ This product is supplied as a blank and can be precision-ground into various geometries to meet specific application requirements.

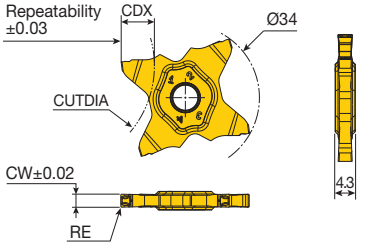
●: Standard items

ADVANCE CUTTING TaeguTec

TQC 34

Deep grooving and parting inserts





Designation		Feed (mm/rev)	CW	RE	CDX	CUTDIA							Grade
						CDX≤4.0	≤5.0	≤6.0	≤7.0	≤8.0	≤9.0	≤10.0	TT9080
TQC	34-1.50-0.15	0.05-0.12	1.50	0.15	9.0	N.L.	400	190	125	90	40	-	●
	34-2.00-0.20	0.05-0.18	2.00	0.20	9.0	N.L.	400	190	125	90	40	-	●
	34-2.22-0.15	0.05-0.18	2.22	0.15	9.0	N.L.	400	190	125	90	40	-	●
	34-2.30-0.20	0.05-0.18	2.30	0.20	9.0	N.L.	400	190	125	90	45	-	●
	34-2.39-0.15	0.05-0.18	2.39	0.15	10.0	N.L.	400	190	125	90	45	20	●
	34-2.47-0.20	0.05-0.18	2.47	0.20	10.0	N.L.	400	190	125	90	45	20	●
	34-2.50-0.20	0.05-0.21	2.50	0.20	10.0	N.L.	400	190	125	90	45	20	●
	34-2.70-0.10	0.05-0.21	2.70	0.10	10.0	N.L.	400	190	125	90	45	20	●
	34-2.87-0.20	0.05-0.21	2.87	0.20	10.0	N.L.	400	190	125	90	50	20	●
	34-3.00-0.20	0.05-0.25	3.00	0.20	10.0	N.L.	400	190	125	90	50	20	●
	34-3.00-0.20	0.05-0.25	3.00	0.20	10.0	N.L.	400	190	125	90	50	20	●
	34-3.00-0.40	0.05-0.25	3.00	0.40	10.0	N.L.	400	190	125	90	50	20	●
	34-3.15-0.15	0.05-0.25	3.15	0.15	10.0	N.L.	400	190	125	90	50	20	●
	34-3.18-0.20	0.05-0.25	3.18	0.20	10.0	N.L.	400	190	125	90	50	20	●
	34-3.30-0.10	0.05-0.25	3.30	0.10	10.0	N.L.	400	190	125	90	50	20	●
	34-3.48-0.20	0.05-0.25	3.48	0.20	10.0	N.L.	400	190	125	90	50	20	●
	34-3.50-0.25	0.07-0.30	3.50	0.25	10.0	N.L.	400	190	125	90	50	20	●
	34-4.00-0.30	0.07-0.30	4.00	0.30	10.0	N.L.	400	190	125	90	50	20	●

B120-B122 Cutting Condition B203-B208

▸ N.L.: No limit

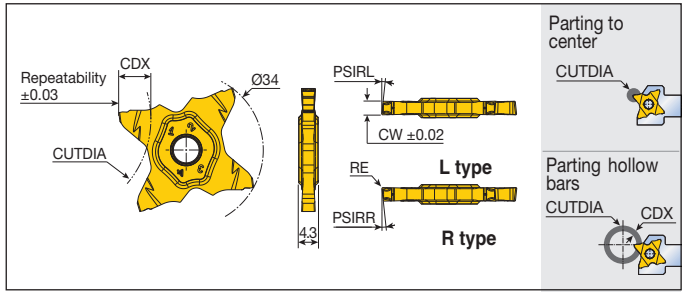
●: Standard items

TQC 34

QUADRUSH PARTING & GROOVING

Parting inserts





Designation	Feed (mm/rev)	CW	RE	PSIRR/L	Parting to center	Parting hollow bars		Grade
					CUTDIA	CDX	CUTDIA	TT9080
TQC 34-1.50-8R/L	0.03-0.10	1.50	0.07	8°	18.5	9	40	●
34-2.00-6R/L	0.03-0.15	2.00	0.10	6°	18.5	9	40	●
34-2.00-15R/L	0.03-0.15	2.00	0.10	15°	18.5	9	40	●
34-3.00-6R/L	0.03-0.18	3.00	0.20	6°	20.0	10	20	●

Cutting Condition B120-B122 B203-B208

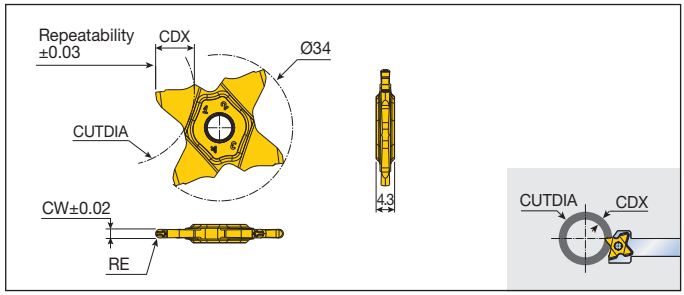
●: Standard items

TQC 34

QUADRUSH PARTING & GROOVING

Full radius inserts





Designation	Feed (mm/rev)	CW	RE	CDX	CUTDIA							Grade
					CDX≤4.0	≤5.0	≤6.0	≤7.0	≤8.0	≤9.0	≤10.0	TT9080
TQC 34-2.00-1.00	0.05-0.11	2.00	1.00	9.0	N.L.	400	190	125	90	40	-	●
34-2.39-1.20	0.05-0.11	2.39	1.20	10.0	N.L.	400	190	125	90	45	20	●
34-3.00-1.50	0.06-0.12	3.00	1.50	10.0	N.L.	400	190	125	90	50	20	●

Cutting Condition B120-B122 B203-B208

▸ N.L.: No limit

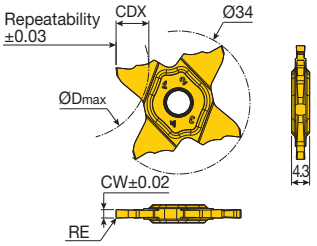
●: Standard items

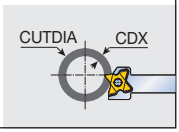
ADVANCE CUTTING TaeguTec

TQS 34

Precision grooving and parting inserts







Designation		Feed (mm/rev)	CW	RE	CDX	CUTDIA								Grade
						CDX≤3.0	≤4.0	≤5.0	≤6.0	≤7.0	≤8.0	≤9.0	≤10.0	TT9080
TQS	34-1.00-0.10	0.03-0.07	1.00	0.10	5.0	N.L.	N.L.	300	-	-	-	-	-	●
	34-1.50-0.20	0.03-0.10	1.50	0.20	9.0	N.L.	N.L.	400	190	125	90	40	-	●
	34-2.00-0.20	0.04-0.10	2.00	0.20	9.0	N.L.	N.L.	400	190	125	90	40	-	●
	34-2.50-0.20	0.04-0.15	2.50	0.20	10.0	N.L.	N.L.	400	190	125	90	45	20	●
	34-3.00-0.20	0.04-0.15	3.00	0.20	10.0	N.L.	N.L.	400	190	125	90	50	20	●

B120-B122 Cutting Condition B203-B208

▸ N.L.: No limit

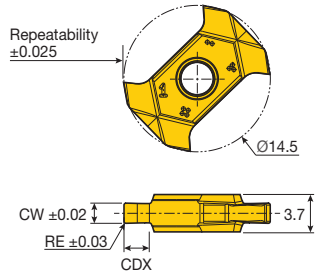
●: Standard items

TQIS 14

QUADIRUSH

4 cutting edge inserts for internal shallow grooving





Designation	Feed (mm/rev)	Dimension (mm)			Grade
		CW	RE	CDX	TT9080
TQIS 14-1.00-0.05	0.02-0.06	1.00	0.05	2.50	●
14-1.00-0.10	0.02-0.06	1.00	0.10	2.50	●
14-1.50-0.10	0.02-0.07	1.50	0.10	2.50	●
14-1.50-0.20	0.02-0.07	1.50	0.20	2.50	●
14-1.70-0.20	0.02-0.08	1.70	0.20	2.50	●
14-2.00-0.10	0.03-0.08	2.00	0.10	2.50	●
14-2.00-0.20	0.03-0.08	2.00	0.20	2.50	●
14-2.50-0.20	0.03-0.09	2.50	0.20	2.50	●
14-3.00-0.20	0.03-0.10	3.00	0.20	2.50	●

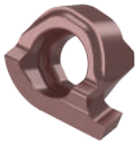
●: Standard items

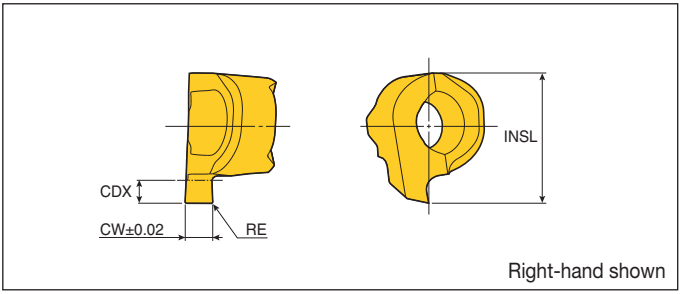
Cutting Condition
B124-B125 B203-B208

TMIR/L

WINIGROOVE

Precise inserts for internal shallow grooving on small diameter





Designation		Feed (mm/rev)	Dimension (mm)				Grade	
			CW	RE	CDX	INSL	TT4430	TT8020
TMIR/L	**6-0.50-0.00**	0.01-0.03	0.50	0.00	0.5	5.7	●	●
	6-1.00-0.00	0.01-0.03	1.00	0.00	1.0	5.7	●	●
	6-1.20-0.05	0.01-0.03	1.20	0.05	1.0	5.7	●	●
	8-0.50-0.00	0.01-0.03	0.50	0.00	0.7	7.4	●	●
	8-1.00-0.00	0.01-0.03	1.00	0.00	1.5	7.4	●	●
	8-1.50-0.05	0.01-0.03	1.50	0.05	1.5	7.4	●	●
	8-1.50-0.10	0.01-0.03	1.50	0.10	1.5	7.4	●	●
	8-2.00-0.10	0.01-0.03	2.00	0.10	1.5	7.4	●	●

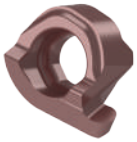
●: Standard items

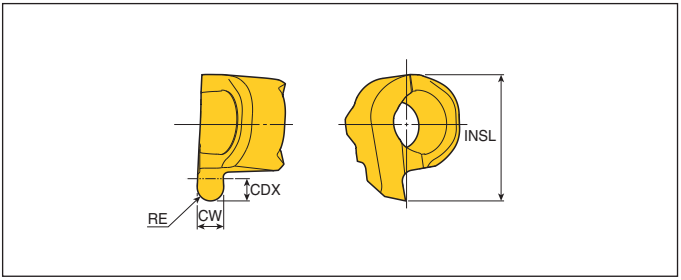
B126 Cutting Condition B203-B208

TMIR/L (Full-Radius)

WINIGROOVE

Precise inserts for internal profiling on small diameter





Designation		Feed (mm/rev)	Dimension (mm)				Grade
			CW	RE	CDX	INSL	TT4430
TMIR/L	**6-0.80-0.40**	0.02-0.05	0.8	0.4	0.8	5.7	●
	6-1.00-0.50	0.02-0.05	1.0	0.5	1.0	5.7	●
	6-1.20-0.60	0.02-0.05	1.2	0.6	1.0	5.7	●
	8-0.80-0.40	0.02-0.05	0.8	0.4	1.0	7.4	●
	8-1.20-0.60	0.02-0.05	1.2	0.6	1.5	7.4	●
	8-1.80-0.90	0.02-0.05	1.8	0.9	1.5	7.4	●
	8-2.00-1.00	0.02-0.05	2.0	1.0	1.5	7.4	●

●: Standard items

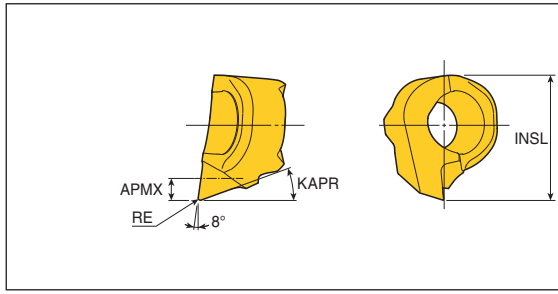
B126 Cutting Condition B203-B208

TMIR/L-T

WINIGROOVE

Precise inserts for internal turning on small diameter





Designation		Feed (mm/rev)	Dimension (mm)				Grade
			KAPR	RE	APMX	INSL	TT4430
TMIR/L	**6-2001-T**	0.02-0.05	20°	0.1	1.0	5.7	●
	6-4702-T	0.02-0.05	47°	0.2	1.0	5.7	●
	8-2001-T	0.02-0.05	20°	0.1	1.5	7.4	●
	8-4702-T	0.02-0.05	47°	0.2	1.5	7.4	●

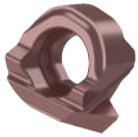
●: Standard items

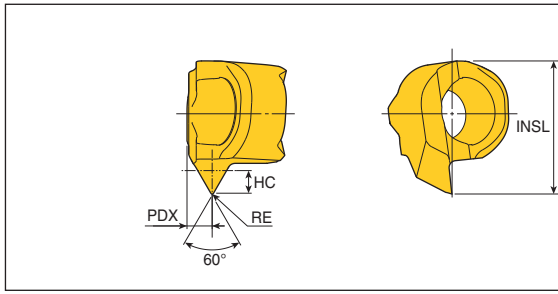
B126 Cutting Condition B203-B208

TMIR/L-MT

WINIGROOVE

Precise inserts for internal 60° threading on small diameter





Designation		Pitch		Dimension (mm)				Grade
		TP (mm)	TPI	PDX	RE	HC	INSL	TT4430
TMIR/L	**6-MT04**	0.5-0.75	50-34	0.8	0.04	0.8	5.7	●
	6-MT07	1.0-1.5	25-17	0.8	0.07	1.0	5.7	●
	8-MT04	0.5-0.75	50-34	1.5	0.04	0.8	7.4	●
	8-MT07	1.0-1.25	25-17	1.5	0.07	1.2	7.4	●
	8-MT10	1.5-1.75	17-15	1.5	0.10	1.5	7.4	●

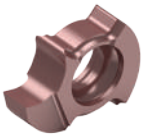
●: Standard items

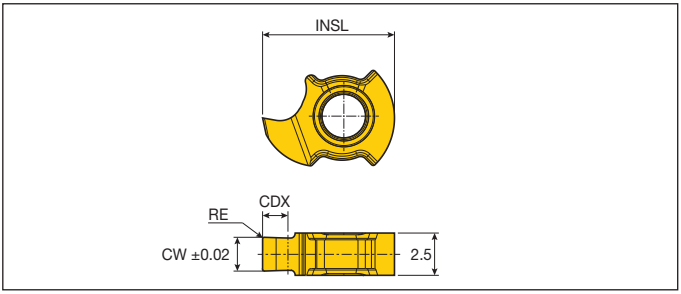
B126 Cutting Condition B203-B208

- TP: Threads pitch
- TPI: Thread per inch

TMIS 8

Precise inserts for internal shallow grooving on small diameter





Designation		Feed (mm/rev)	Dimension (mm)				Grade	
			CW	RE	CDX	INSL	TT4430	TT8020
TMIS	**8-0.50-0.00**	0.01-0.03	0.50	0.00	0.70	7.8	●	●
	8-1.00-0.00	0.01-0.03	1.00	0.00	1.50	7.8	●	●
	8-1.50-0.05	0.01-0.03	1.50	0.05	1.50	7.8	●	●
	8-2.00-0.10	0.01-0.03	2.00	0.10	1.50	7.8	●	●

B127
Cutting Condition
B203-B208

●: Standard items

T	P	R	20	-	12	05	N	-	16R
1	2	3	4		5	6	7		8

1 TaeguTec TOP-CUT series

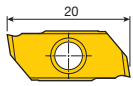
2 Applciation type

B	Back Turning
P	Parting
T	Threading

3 Hand of tool

R	Right-hand
L	Left-hand

4 Insert length



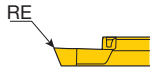
5 Width of insert

05 = 0.5 mm
07 = 0.7 mm
10 = 1.0 mm
12 = 1.2 mm
15 = 1.5 mm
20 = 2.0 mm



6 Corner radius

00	Sharp corner
05	0.05mm
10	0.10mm
15	0.15mm
20	0.20mm

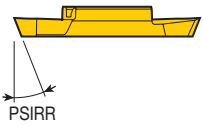


7 Chip breaker type

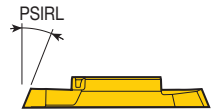
B	Chip breaker type
N	Non chip former
P	Profile chip former
A	PCD type
H	CBN type

8 Lead angle

· R:

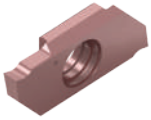


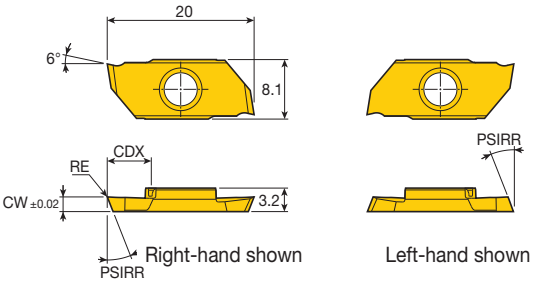
· L:



TPR/L...B

Parting and grooving inserts





Designation		Feed (mm/rev)	Dimension (mm)				Grade	
			CW	RE	CDX	PSIRR	TT4430	TT9020
TPR/L	**20-0505B**	0.02-0.04	0.5	0.05	2.5	0°	●	●
	20-0505B-16R	0.02-0.04	0.5	0.05	2.5	16°	●	
	20-0705B	0.02-0.04	0.7	0.05	4.0	0°	●	●
	20-0705B-16R	0.02-0.04	0.7	0.05	4.0	16°	●	
	20-1005B	0.03-0.05	1.0	0.05	6.0	0°	●	●
	20-1005B-16R	0.03-0.05	1.0	0.05	6.0	16°	●	
	20-1205B	0.03-0.07	1.2	0.05	6.0	0°	●	●
	20-1205B-16R	0.03-0.07	1.2	0.05	6.0	16°	●	
	20-1505B	0.03-0.07	1.5	0.05	6.0	0°	●	●
	20-1505B-16R	0.03-0.07	1.5	0.05	6.0	16°	●	
	20-2005B	0.03-0.09	2.0	0.05	6.0	0°	●	●
	20-2005B-16R	0.03-0.09	2.0	0.05	6.0	16°	●	

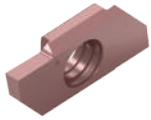
B106-B109 Cutting Condition B203-B208

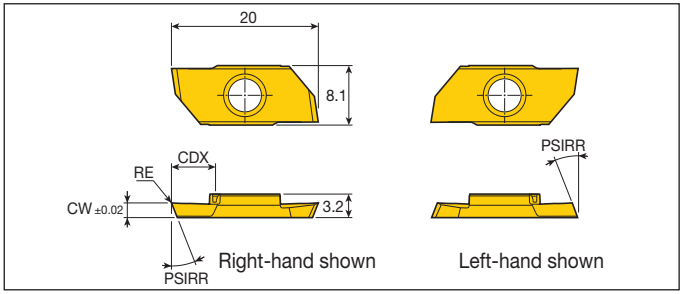
●: Standard items

TPR/L...N

TOPCUT

Parting and grooving inserts





	Designation	Feed (mm/rev)	Dimension (mm)				Grade	
			CW	RE	CDX	PSIRR	TT4430	TT9020
TPR/L	**20-0500N**	0.02-0.04	0.5	0	2.5	0°	●	
	20-0500N-20R	0.02-0.04	0.5	0	2.5	20°	●	
	20-0700N	0.02-0.04	0.7	0	4.0	0°	●	
	20-0700N-20R	0.02-0.04	0.7	0	4.0	20°	●	●
	20-1000N	0.03-0.05	1.0	0	6.0	0°	●	
	20-1000N-20R	0.03-0.05	1.0	0	6.0	20°	●	●
	20-1200N	0.03-0.07	1.2	0	6.0	0°	●	
	20-1200N-20R	0.03-0.07	1.2	0	6.0	20°	●	
	20-1500N	0.03-0.07	1.5	0	6.0	0°	●	
	20-1500N-20R	0.03-0.07	1.5	0	6.0	20°	●	●
	20-2000N	0.03-0.09	2.0	0	6.0	0°	●	
	20-2000N-20R	0.03-0.09	2.0	0	6.0	20°	●	

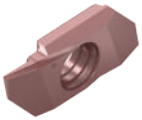
●: Standard items

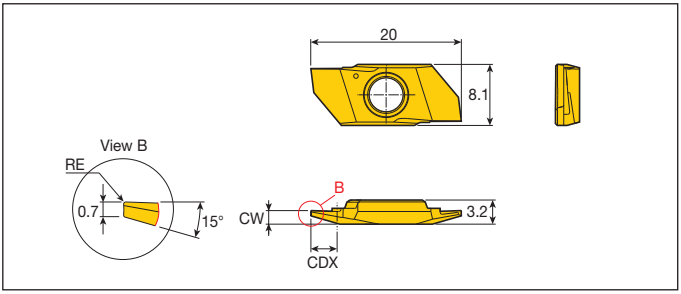
Cutting Condition
B106-B109 B203-B208

TBR…B

TOPCUT

Back turning inserts





Designation		Feed (mm/rev)	Dimension (mm)			Grade	
			CW	RE	CDX	TT4430	TT9020
TBR	**20-00B-15A**	0.01-0.15	1.8	0.00	3.5	●	●
	20-05B-15A	0.01-0.15	1.8	0.05	3.5	●	●
	20-10B-15A	0.01-0.15	1.8	0.10	3.5	●	●
	20-15B-15A	0.01-0.15	1.8	0.15	3.5	●	●
	20-20B-15A	0.01-0.15	1.8	0.20	3.5	●	●

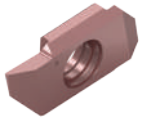
Cutting Condition
B106-B109 B203-B208

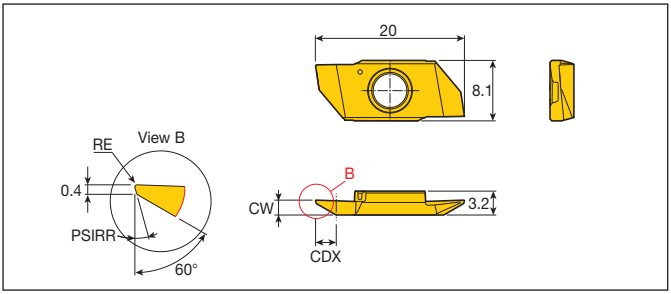
●: Standard items

TBR…N

TOPCUT

Back turning inserts





Designation		Feed (mm/rev)	Dimension (mm)				Grade
			CW	RE	CDX	PSIRR	TT4430
TBR	**20-00N-30A**	0.01-0.15	2.0	0.00	2.8	15°	●
	20-10N-30A	0.01-0.15	2.0	0.10	2.8	15°	●
	20-15N-30A	0.01-0.15	2.0	0.15	2.8	15°	●

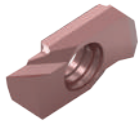
Cutting Condition
B106-B109 B203-B208

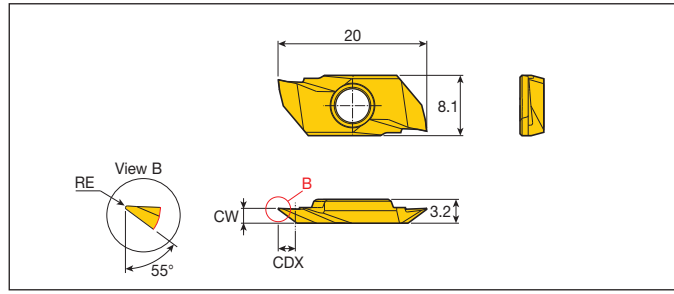
●: Standard items

TBR…P

TOPCUT

Back turning inserts





Designation		Feed (mm/rev)	Dimension (mm)			Grade	
			CW	RE	CDX	TT4430	TT9020
TBR	**20-05P-35A**	0.01-0.15	2.0	0.05	2.3	●	●
	20-10P-35A	0.01-0.15	2.0	0.10	2.3	●	●
	20-20P-35A	0.01-0.15	2.0	0.20	2.3	●	●

Cutting Condition
B106-B109 B203-B208

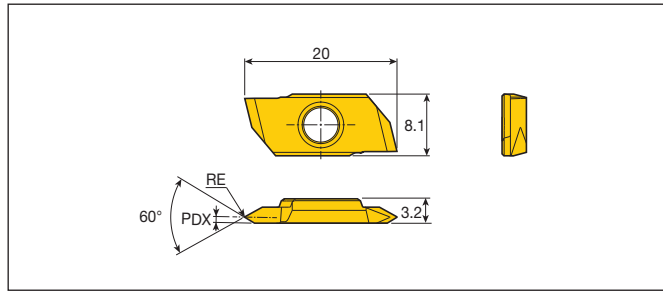
●: Standard items

TTR-MT

TOPCUT

Threading inserts





Designation		Pitch		Dimension (mm)		Grade
		TP (mm)	TPI	PDX	RE	TT9020
TTR	**20-MT-0.05**	0.5-1.5	50-16	0.8	0.05	●

Cutting Condition
B106-B109 B203-B208

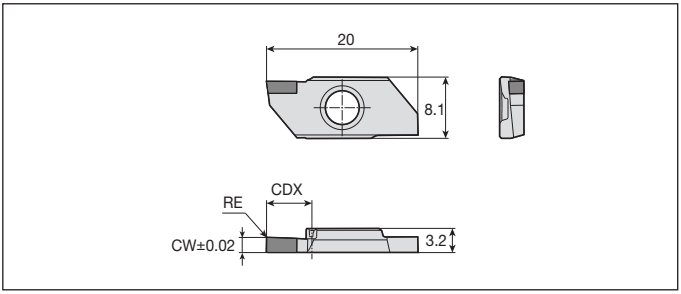
- TP: Threads pitch
- TPI: Thread per inch

●: Standard items

TPR/L…A

Single-ended PCD inserts for turning and grooving





Designation		Turning		Grooving	Dimension (mm)			PCD
		ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CW	RE	CDX	TD1020
TPR/L	**20-1010A**	0.1-0.6	0.05-0.13	0.04-0.09	1.0	0.10	3.5	●
	20-1510A	0.15-0.9	0.08-0.18	0.05-0.11	1.5	0.10	3.5	●
	20-2010A	0.2-1.2	0.10-0.22	0.07-0.13	2.0	0.10	4.0	●

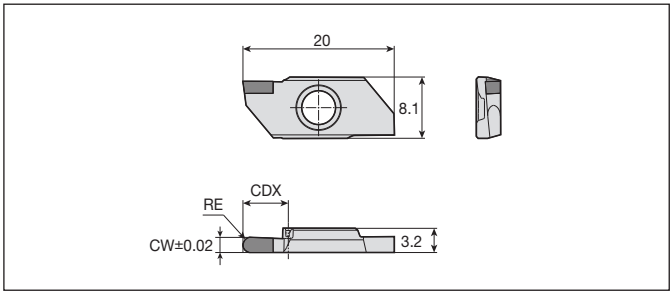
B106-B109 Cutting Condition B203-B208

●: Standard items

TPR/L…A (Full-Radius)

Single-ended PCD inserts for turning and grooving





Designation		Turning		Grooving	Dimension (mm)			PCD
		ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CW	RE	CDX	TD1020
TPR/L	**20-1050A**	0.0-0.5	0.04-0.12	0.03-0.08	1.0	0.50	3.5	●
	20-1575A	0.0-0.75	0.06-0.17	0.03-0.08	1.5	0.75	3.5	●
	20-20100A	0.0-1.0	0.08-0.20	0.06-0.14	2.0	1.00	4.0	●

B106-B109 Cutting Condition B203-B208

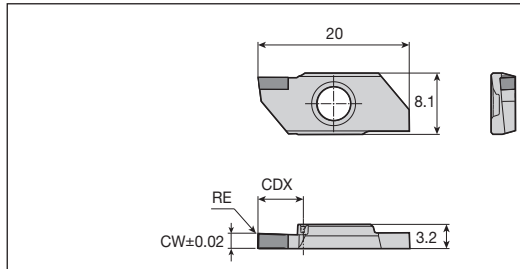
●: Standard items

TPR/L…H

TOPCUT

Single-ended CBN inserts for turning and grooving





Designation		Turning		Grooving	Dimension (mm)			CBN
		ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CW	RE	CDX	TB2015
TPR/L	**20-1010H**	0.0-0.2	0.01-0.04	0.01-0.04	1.0	0.10	3.5	●
	20-1510H	0.0-0.2	0.01-0.04	0.01-0.04	1.5	0.10	3.5	●
	20-2010H	0.0-0.3	0.02-0.07	0.02-0.05	2.0	0.10	4.0	●

Cutting Condition
B106-B109 B203-B208

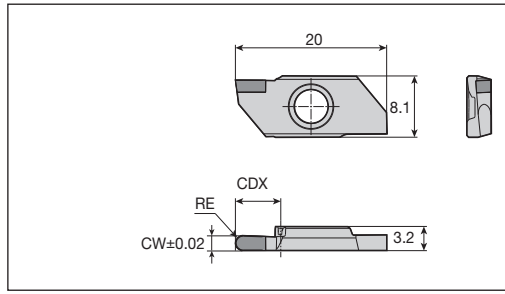
●: Standard items

TPR/L…H (Full-Radius)

TOPCUT

Single-ended CBN inserts for turning and grooving





Designation		Turning		Grooving	Dimension (mm)			CBN
		ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CW	RE	CDX	TB2015
TPR/L	**20-1050H**	0.0-0.2	0.01-0.05	0.01-0.04	1.0	0.50	3.5	●
	20-1575H	0.0-0.2	0.01-0.05	0.01-0.04	1.5	0.75	3.5	●
	20-20100H	0.0-0.3	0.02-0.07	0.02-0.05	2.0	1.00	4.0	●

Cutting Condition
B106-B109 B203-B208

●: Standard items

Designation System

MIN	T	R	04	040	005	D010
1	7	2	3	4	5	6

1 TOP-MICRO series



2 Hand of tool

R Right-hand
L Left-hand

3 Shank dia.

04 4.0mm
07 7.0mm

4 Max. depth

050 5.0mm
140 14.0mm

5 Corner radius

010 0.10mm
020 0.20mm

6 Min. bore. dia.

D010 1.0mm

7 Application type

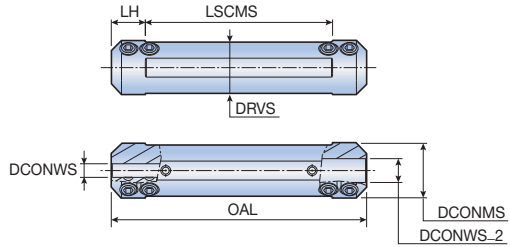
T	Turning and chamfering
B	Back turning
P	Turning and profiling
U	Undercutting and chamfering
C	Turning and 45°chamfering
G	Grooving and turning
S	Grooving along shaft
F	Face grooving
R	Full radius for internal boring and profiling
I	ISO full profile internal threading
SL	Sleeve for MINS

MINSL

TOPMICRO

Sleeves





Designation	Dimension (mm)						
	DCONMS	DCONWS	DCONWS_2	OAL	LH	LSCMS	DRVS
MINSL 12-4-4	12	4	4	75	13	49	10.3
14-4-4	14	4	4	75	13	49	12
16-4-7	16	4	7	75	10	55	15
19-4-7	19.05	4	7	89	10	69	17.2
20-4-7	20	4	7	90	10	70	18
22-4-7	22	4	7	90	10	70	20
25-4-7	25	4	7	90	10	70	23.4

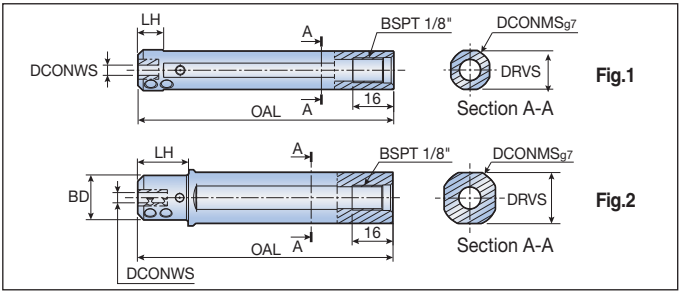
Spare parts

Designation	Set screw	Wrench		
				
MINSL 12	SS M5x0.8x4-MG	L-W 2.5		
MINSL 14/16/19/20/22/25	SS M5x0.8x6-MG	L-W 2.5		

MINS ...-L100C

Sleeves for direct connection for coolant





Designation	Dimension (mm)						Fig.
	DCONMS	DCONWS	BD	OAL	LH	DRVS	
MINS 16-4-L100C	16	4	-	100	10	15	1
16-7-L100C	16	7	-	100	10	15	1
20-4-L100C	20	4	17.5	100	20	18	2
20-7-L100C	20	7	17.5	100	20	18	2
22-4-L100C	22	4	17.5	100	20	20	2
22-7-L100C	22	7	17.5	100	20	20	2
25-4-L100C	25	4	18	100	23	23	2
25-7-L100C	25	7	18	100	23	23	2

▸ All sleeves applicable for Citizen Swiss type machine

Spare parts

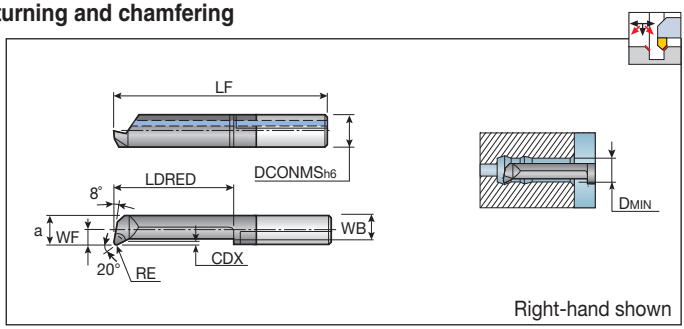
Designation	Set screw	Wrench		
				
MINS ...-L100C	SS M5x0.8x6-MG	L-W 2.5		

MINT R/L 04

TOPMICRO

Mini carbide bars for internal turning and chamfering





Right-hand shown

Designation	Dimension (mm)									R/L	Grade
	DCONMS	WF	a	WB	LF	LDRED	RE	CDX	DMIN		TT9030
MINTR04-020004D006*	4.00	-	0.50	0.35	18.50	3.50	0.04	0.08	0.60	R	●
030004D006*	4.00	-	0.50	0.35	19.50	4.50	0.04	0.08	0.60	R	●
045005D010	4.00	-	0.90	0.70	21.00	6.00	0.05	0.10	1.00	R	●
065005D010	4.00	-	0.90	0.70	23.00	8.00	0.05	0.10	1.00	R	●
040005D020	4.00	-	1.70	1.45	20.50	5.50	0.05	0.10	2.00	R	●
090005D020	4.00	-	1.70	1.45	25.50	10.50	0.05	0.10	2.00	R	●
140005D020	4.00	-	1.70	1.45	30.50	15.50	0.05	0.10	2.00	R	●
090010D028	4.00	0.90	2.60	2.20	25.50	10.50	0.10	0.20	2.80	R	●
150010D028	4.00	0.90	2.60	2.20	31.50	16.50	0.10	0.20	2.80	R	●
190010D028	4.00	0.90	2.60	2.20	35.50	20.50	0.10	0.20	2.80	R	●
090010D040	4.00	1.50	3.50	2.90	25.50	10.50	0.10	0.30	4.00	R	●
150010D040	4.00	1.50	3.50	2.90	31.50	16.50	0.10	0.30	4.00	R	●
190010D040	4.00	1.50	3.50	2.90	35.50	20.50	0.10	0.30	4.00	R	●
230010D040	4.00	1.50	3.50	2.90	39.50	24.50	0.10	0.30	4.00	R	●
270010D040	4.00	1.50	3.50	2.90	43.50	28.50	0.10	0.30	4.00	R	●
MINTL04-090010D028	4.00	0.90	2.60	2.20	25.50	10.50	0.10	0.20	2.80	L	●
150010D028	4.00	0.90	2.60	2.20	31.50	16.50	0.10	0.20	2.80	L	●
190010D028	4.00	0.90	2.60	2.20	35.50	20.50	0.10	0.20	2.80	L	●
090010D040	4.00	1.50	3.50	2.90	25.50	10.50	0.10	0.30	4.00	L	●
150010D040	4.00	1.50	3.50	2.90	31.50	16.50	0.10	0.30	4.00	L	●
190010D040	4.00	1.50	3.50	2.90	35.50	20.50	0.10	0.30	4.00	L	●

B184-B185 Cutting Condition B208

▸ *: Max D.O.C: 0.01 - 0.03, max feed 0.01mm/rev

●: Standard items

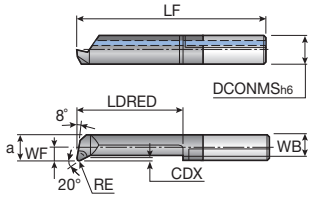
ADVANCE CUTTING TaeguTec

MINT R/L 07

TOPMICRO

Mini carbide bars for internal turning and chamfering





Right-hand shown

Designation	Dimension (mm)									R/L	Grade
	DCONMS	WF	a	WB	LF	LDRED	RE	CDX	DMIN		TT9030
MINTR07-090015D050	7.00	0.90	4.40	3.65	25.00	10.00	0.15	0.50	5.00	R	●
140015D050	7.00	0.90	4.40	3.65	30.00	15.00	0.15	0.50	5.00	R	●
190015D050	7.00	0.90	4.40	3.65	35.00	20.00	0.15	0.50	5.00	R	●
240015D050	7.00	0.90	4.40	3.65	40.00	25.00	0.15	0.50	5.00	R	●
290015D050	7.00	0.90	4.40	3.65	45.00	30.00	0.15	0.50	5.00	R	●
340015D050	7.00	0.90	4.40	3.65	50.00	35.00	0.15	0.50	5.00	R	●
140015D060	7.00	1.80	5.30	4.40	30.00	15.00	0.15	0.50	6.00	R	●
210015D060	7.00	1.80	5.30	4.40	37.00	22.00	0.15	0.50	6.00	R	●
240015D060	7.00	1.80	5.30	4.40	40.00	25.00	0.15	0.50	6.00	R	●
290015D060	7.00	1.80	5.30	4.40	45.00	30.00	0.15	0.50	6.00	R	●
340015D060	7.00	1.80	5.30	4.40	50.00	35.00	0.15	0.50	6.00	R	●
410015D060	7.00	1.80	5.30	4.40	57.00	42.00	0.15	0.50	6.00	R	●
190015D068	7.00	2.80	6.30	5.40	35.00	20.00	0.15	0.60	6.80	R	●
240015D068	7.00	2.80	6.30	5.40	40.00	25.00	0.15	0.60	6.80	R	●
290015D068	7.00	2.80	6.30	5.40	45.00	30.00	0.15	0.60	6.80	R	●
340015D070	7.00	2.80	6.30	5.40	50.00	35.00	0.15	0.60	7.00	R	●
390015D070	7.00	2.80	6.30	5.40	55.00	40.00	0.15	0.60	7.00	R	●
440015D070	7.00	2.80	6.30	5.40	60.00	45.00	0.15	0.60	7.00	R	●
490015D070	7.00	2.80	6.30	5.40	65.00	50.00	0.15	0.60	7.00	R	●
MINTL07-090015D050	7.00	0.90	4.40	3.65	25.00	10.00	0.15	0.50	5.00	L	●
140015D050	7.00	0.90	4.40	3.65	30.00	15.00	0.15	0.50	5.00	L	●
190015D050	7.00	0.90	4.40	3.65	35.00	20.00	0.15	0.50	5.00	L	●
240015D050	7.00	0.90	4.40	3.65	40.00	25.00	0.15	0.50	5.00	L	●
290015D050	7.00	0.90	4.40	3.65	45.00	30.00	0.15	0.50	5.00	L	●
140015D060	7.00	1.80	5.30	4.40	30.00	15.00	0.15	0.50	6.00	L	●
210015D060	7.00	1.80	5.30	4.40	37.00	22.00	0.15	0.50	6.00	L	●
240015D060	7.00	1.80	5.30	4.40	40.00	25.00	0.15	0.50	6.00	L	●
290015D060	7.00	1.80	5.30	4.40	45.00	30.00	0.15	0.50	6.00	L	●
190015D068	7.00	2.80	6.30	5.40	35.00	20.00	0.15	0.60	6.80	L	●
290015D068	7.00	2.80	6.30	5.40	45.00	30.00	0.15	0.60	6.80	L	●
340015D070	7.00	2.80	6.30	5.40	50.00	35.00	0.15	0.60	7.00	L	●

B184-B185 Cutting Condition B208

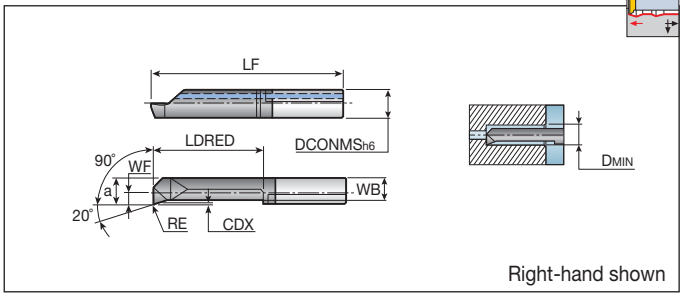
●: Standard items

MINP R 04/07

TOPMICRO

Mini carbide bars for internal turning and profiling





Right-hand shown

Designation	Dimension (mm)									R/L	Grade
	DCONMS	WF	a	WB	LF	LDRED	RE	CDX	DMIN		TT9030
MINPR04-090010D028	4.00	0.90	2.60	2.20	25.50	10.50	0.10	0.20	2.80	R	●
150010D028	4.00	0.90	2.60	2.20	31.50	16.50	0.10	0.20	2.80	R	●
090010D040	4.00	1.50	3.50	2.90	25.50	10.50	0.10	0.30	4.00	R	●
150010D040	4.00	1.50	3.50	2.90	31.50	16.50	0.10	0.30	4.00	R	●
MINPR07-140015D050	7.00	0.90	4.40	3.65	30.00	15.00	0.15	0.50	5.00	R	●
190015D050	7.00	0.90	4.40	3.65	35.00	20.00	0.15	0.50	5.00	R	●

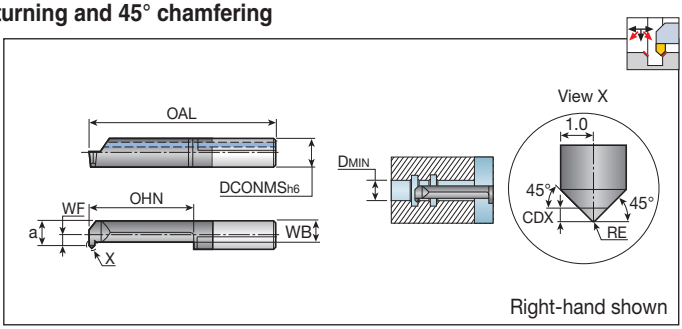
●: Standard items

B184-B185
Cutting Condition B208

MINC R 07

Mini carbide bars for internal turning and 45° chamfering





Designation	Dimension (mm)									R/L	Grade
	DCONMS	WF	a	WB	OAL	OHN	RE	CDX	DMIN		TT9030
MINCR07-140020D050	7.00	0.90	4.40	3.20	30.00	15.00	0.20	0.70	5.00	R	●
190020D050	7.00	0.90	4.40	3.20	35.00	20.00	0.20	0.70	5.00	R	●
190020D068	7.00	2.80	6.30	3.80	35.00	20.00	0.20	0.70	6.80	R	●

B184-B185
Cutting Condition B208

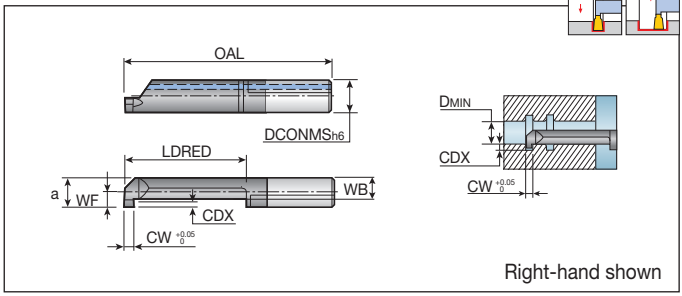
●: Standard items

MING R 04

TOPMICRO

Mini carbide bars for grooving and turning





Designation	Dimension (mm)									R/L	Grade
	DCONMS	CW	WF	a	WB	OAL	LDRED	CDX	DMIN		TT9030
MINGR04-050050D020	4.00	0.50	0.20	1.80	1.15	21.00	6.00	0.40	2.00	R	●
100050D020	4.00	0.50	0.20	1.80	1.15	26.00	11.00	0.40	2.00	R	●
050070D030	4.00	0.70	0.70	2.70	1.85	21.00	6.00	0.60	3.00	R	●
100070D030	4.00	0.70	0.70	2.70	1.85	26.00	11.00	0.60	3.00	R	●
090100D040	4.00	1.00	1.50	3.50	2.30	25.50	10.50	0.80	4.00	R	●
150100D040	4.00	1.00	1.50	3.50	2.30	31.50	16.50	0.80	4.00	R	●

B184-B185 Cutting Condition B208

▸ The corner radius is less than 0.1mm

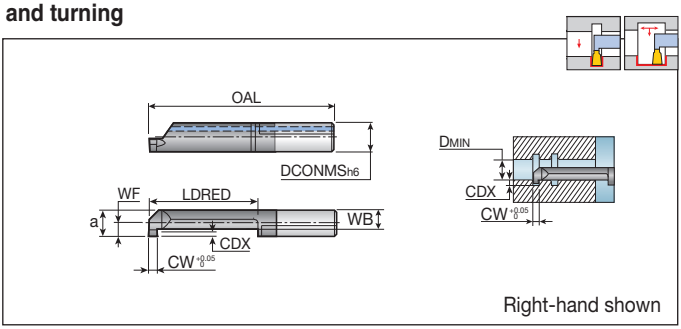
●: Standard items

MING R/L 07

TOPMICRO

Mini carbide bars for grooving and turning





Right-hand shown

Designation	Dimension (mm)									R/L	Grade
	DCONMS	CW	WF	a	WB	OAL	LDRED	CDX	DMIN		TT9030
MINGR07- 090100D050	7.00	1.00	0.90	4.40	3.00	25.00	10.00	1.00	5.00	R	●
140100D050	7.00	1.00	0.90	4.40	3.00	30.00	15.00	1.00	5.00	R	●
090150D050	7.00	1.50	0.90	4.40	3.00	25.00	10.00	1.00	5.00	R	●
140150D050	7.00	1.50	0.90	4.40	3.00	30.00	15.00	1.00	5.00	R	●
090200D050	7.00	2.00	0.90	4.40	3.00	25.00	10.00	1.00	5.00	R	●
190200D050	7.00	2.00	0.90	4.40	3.00	35.00	20.00	1.00	5.00	R	●
090100D060	7.00	1.00	1.80	5.30	3.10	25.00	10.00	1.80	6.00	R	●
140100D060	7.00	1.00	1.80	5.30	3.10	30.00	15.00	1.80	6.00	R	●
210100D060	7.00	1.00	1.80	5.30	3.10	37.00	22.00	1.80	6.00	R	●
290100D060	7.00	1.00	1.80	5.30	3.10	45.00	30.00	1.80	6.00	R	●
090150D060	7.00	1.50	1.80	5.30	3.10	25.00	10.00	1.80	6.00	R	●
140150D060	7.00	1.50	1.80	5.30	3.10	30.00	15.00	1.80	6.00	R	●
210150D060	7.00	1.50	1.80	5.30	3.10	37.00	22.00	1.80	6.00	R	●
240150D060	7.00	1.50	1.80	5.30	3.10	40.00	25.00	1.80	6.00	R	●
290150D060	7.00	1.50	1.80	5.30	3.10	45.00	30.00	1.80	6.00	R	●
090200D060	7.00	2.00	1.80	5.30	3.10	25.00	10.00	1.80	6.00	R	●
140200D060	7.00	2.00	1.80	5.30	3.10	30.00	15.00	1.80	6.00	R	●
210200D060	7.00	2.00	1.80	5.30	3.10	37.00	22.00	1.80	6.00	R	●
240200D060	7.00	2.00	1.80	5.30	3.10	40.00	25.00	1.80	6.00	R	●
290200D060	7.00	2.00	1.80	5.30	3.10	45.00	30.00	1.80	6.00	R	●
090100D068	7.00	1.00	2.70	6.20	3.30	25.00	10.00	2.50	6.80	R	●
140100D068	7.00	1.00	2.70	6.20	3.30	30.00	15.00	2.50	6.80	R	●
210100D068	7.00	1.00	2.70	6.20	3.30	37.00	22.00	2.50	6.80	R	●
090150D068	7.00	1.50	2.70	6.20	3.30	25.00	10.00	2.50	6.80	R	●
140150D068	7.00	1.50	2.70	6.20	3.30	30.00	15.00	2.50	6.80	R	●
210150D068	7.00	1.50	2.70	6.20	3.30	37.00	22.00	2.50	6.80	R	●
290150D068	7.00	1.50	2.70	6.20	3.30	45.00	30.00	2.50	6.80	R	●
090200D068	7.00	2.00	2.70	6.20	3.30	25.00	10.00	2.50	6.80	R	●
140200D068	7.00	2.00	2.70	6.20	3.30	30.00	15.00	2.50	6.80	R	●
210200D068	7.00	2.00	2.70	6.20	3.30	37.00	22.00	2.50	6.80	R	●
290200D068	7.00	2.00	2.70	6.20	3.30	45.00	29.00	2.50	6.80	R	●
MINGL07- 090100D060	7.00	1.00	1.80	5.30	3.10	25.00	10.00	1.80	6.00	L	●
090150D060	7.00	1.50	1.80	5.30	3.10	25.00	10.00	1.80	6.00	L	●
140200D068	7.00	2.00	2.70	6.20	3.30	30.00	15.00	2.50	6.80	L	●

B184-B185 Cutting Condition B208

▸ The corner radius is less than 0.1mm

●: Standard items

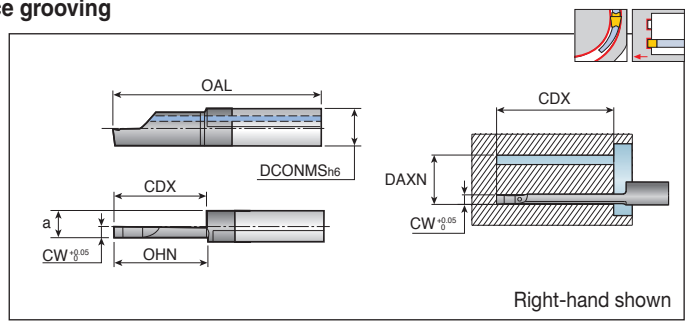
TaeguTec

MINF R 07

TOPMICRO

Mini carbide bars for deep face grooving





Designation	Dimension (mm)							R/L	Grade
	DCONMS	CW	a	OAL	OHN	CDX	DAXN		TT9030
MINFR07 200250D150	7.00	2.50	5.90	36.00	21.00	20.00	15.00	R	●
200300D150	7.00	3.00	5.90	36.00	21.00	20.00	15.00	R	●
300300D150	7.00	3.00	5.90	46.00	31.00	30.00	15.00	R	●

B184-B185 Cutting Condition B208

▸ The corner radius is less than 0.1mm

●: Standard items

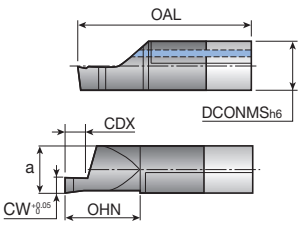
ADVANCE CUTTING TaeguTec

MINF R/L 07

TOPMICRO

Mini carbide bars for deep face grooving





Right-hand shown

Designation		Dimension (mm)							R/L	Grade
		DCONMS	CW	a	OAL	OHN	CDX	DAXN		TT9030
MINFR07-	**110100D060**	7.00	1.00	5.20	27.00	11.00	1.50	6.00	R	●
	110100D080	7.00	1.00	5.90	27.00	12.00	1.50	8.00	R	●
	110150D060	7.00	1.50	5.20	27.00	11.00	2.00	6.00	R	●
	110150D080	7.00	1.50	5.90	27.00	12.00	2.50	8.00	R	●
	110200D060	7.00	2.00	5.20	27.00	11.00	3.00	6.00	R	●
	200200D080	7.00	2.00	5.90	36.00	21.00	3.00	8.00	R	●
	210150D080	7.00	1.50	5.90	37.00	22.00	2.50	8.00	R	●
	110200D080	7.00	2.00	5.90	27.00	12.00	3.00	8.00	R	●
	210200D080	7.00	2.00	5.90	37.00	22.00	3.00	8.00	R	●
	110250D080	7.00	2.50	5.90	27.00	12.00	3.50	8.00	R	●
	210250D080	7.00	2.50	5.90	37.00	22.00	3.50	8.00	R	●
	110300D080	7.00	3.00	5.90	27.00	12.00	3.50	8.00	R	●
	210300D080	7.00	3.00	5.90	37.00	22.00	3.50	8.00	R	●
	300200D080	7.00	2.00	5.90	46.00	31.00	3.00	8.00	R	●
	300300D080	7.00	3.00	5.90	46.00	31.00	3.50	8.00	R	●
MINFL07-	**210150D080**	7.00	1.50	5.90	37.00	22.00	2.50	8.00	L	●
	300200D080	7.00	2.00	5.90	46.00	31.00	3.00	8.00	L	●

B184-B185

Cutting Condition B208

▸ The corner radius is less than 0.1mm

●: Standard items

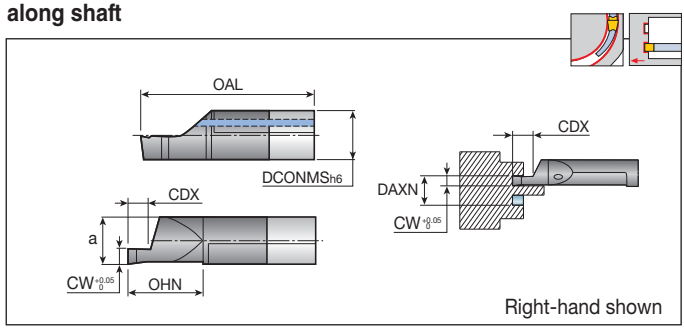
TaeguTec Member IMC Group

MINS R 07

TOPMICRO

Mini carbide bars for grooving along shaft





Designation	Dimension (mm)							R/L	Grade
	DCONMS	CW	a	OAL	OHN	CDX	DAXN		TT9030
MINSR07 -200200D060	7.00	2.00	5.20	36.00	21.00	4.00	6.00	R	●

B184-B185 Cutting Condition B208

▸ The corner radius is less than 0.1mm

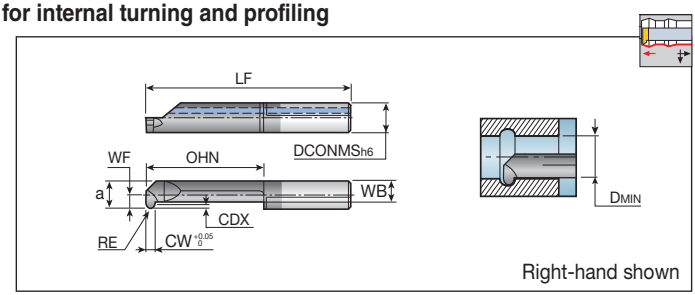
●: Standard items

MINR R 07

TOPMICRO

Mini carbide bars, full radius for internal turning and profiling





Designation	Dimension (mm)										R/L	Grade
	DCONMS	CW	WF	a	WB	RE	LF	OHN	CDX	DMIN		TT9030
MINRR07-190050D050	7.00	1.00	0.90	4.40	3.10	0.50	35.00	20.00	1.00	5.00	R	●
240050D060	7.00	1.00	1.80	5.30	3.20	0.50	40.00	25.00	1.80	6.00	R	●
290050D068	7.00	1.00	2.80	6.30	3.55	0.50	45.00	30.00	2.50	6.80	R	●

B184-B185 Cutting Condition B208

●: Standard items

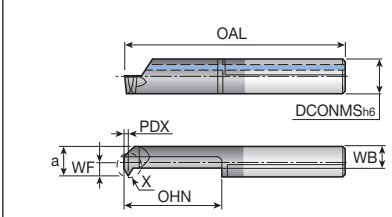
ADVANCE CUTTING TaeguTec

MINI R 04/07

TOPMICRO

Mini carbide bars for ISO internal thread turning





Right-hand shown

Designation	Dimension (mm)											Grade
	DCONMS	Pitch	HC	CF	PDX	WF	a	WB	OAL	OHN	DMIN	TT9030
MINIR04- 140050D040	4.00	0.50	0.30	0.06	0.35	1.50	3.50	2.40	30.00	15.00	4.00	●
MINIR07- 140050D050	7.00	0.50	0.30	0.06	0.35	0.90	4.40	3.30	30.00	15.00	5.00	●
140075D050	7.00	0.75	0.40	0.09	0.45	0.90	4.40	3.30	30.00	15.00	5.00	●
140100D048	7.00	1.00	0.60	0.12	0.55	0.90	4.40	3.30	30.00	15.00	4.80	●
140100D060	7.00	1.00	0.60	0.12	0.55	1.80	5.30	3.40	30.00	15.00	6.00	●
140125D060	7.00	1.25	0.70	0.15	0.65	1.80	5.30	3.40	30.00	15.00	6.00	●
140150D060	7.00	1.50	0.80	0.18	0.75	1.80	5.30	3.40	30.00	15.00	6.00	●
140150D070	7.00	1.50	0.80	0.18	0.75	2.80	6.30	3.80	30.00	15.00	7.00	●

B184-B185

Cutting Condition

B208

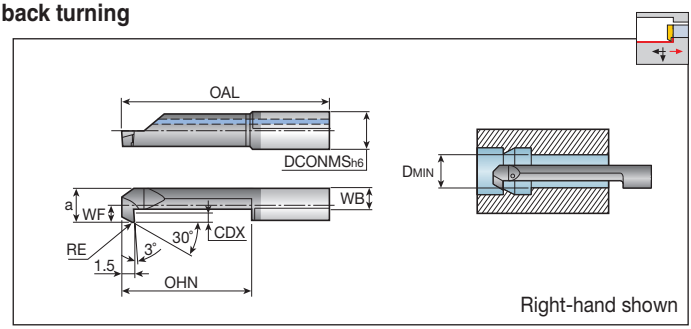
●: Standard items

MINBR 04/07

TOPMICRO

Mini carbide bars for internal back turning





Right-hand shown

Designation	Dimension (mm)									R/L	Grade
	DCONMS	WF	a	WB	OAL	OHN	RE	CDX	DMIN		TT9030
MINBR04-140020D030	4.00	0.60	2.60	1.80	30.00	15.00	0.20	0.50	3.00	R	●
190020D030	4.00	0.60	2.60	1.80	35.00	20.00	0.20	0.50	3.00	R	●
140015D040	4.00	1.50	3.50	2.40	30.00	15.00	0.15	0.80	4.00	R	●
240015D040	4.00	1.50	3.50	2.40	40.00	25.00	0.15	0.80	4.00	R	●
MINBR07-190020D050	7.00	0.90	4.40	3.10	35.00	20.00	0.20	1.00	5.00	R	●
290020D050	7.00	0.90	4.40	3.10	45.00	30.00	0.20	1.00	5.00	R	●
190020D060	7.00	1.80	5.30	3.20	35.00	20.00	0.20	1.80	6.00	R	●
290020D060	7.00	1.80	5.30	3.20	45.00	30.00	0.20	1.80	6.00	R	●
190020D070	7.00	2.80	6.30	3.50	35.00	20.00	0.20	2.50	7.00	R	●
290020D070	7.00	2.80	6.30	3.50	45.00	30.00	0.20	2.50	7.00	R	●

B184-B185 Cutting Condition B208

●: Standard items

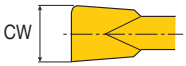
Tailor-made Designation System

TDIT	3.20	-	0.00	-	0.25	-		-	TT8020
1	2		3		4		5		6

1 Main style of insert

T type: Chip breaker
G type: Non-chip breaker

2 Insert width



3 Corner radius



Left-hand side or both sides

4 Corner radius



Right-hand side, if different

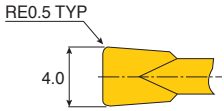
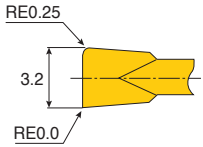
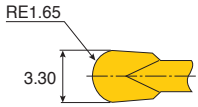
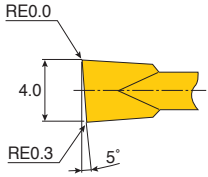
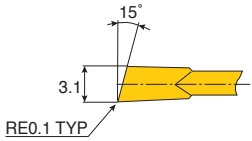
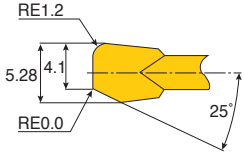
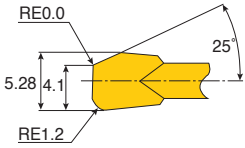
5 Additional codes

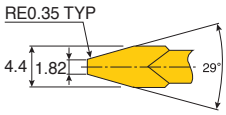
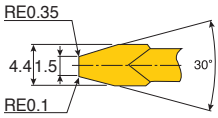
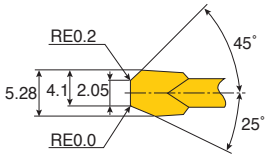
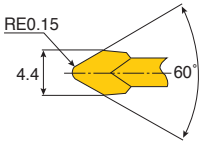
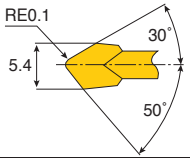
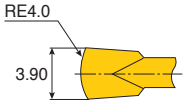
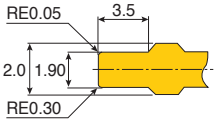
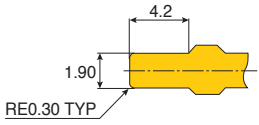
6 Grades

Special profile inserts

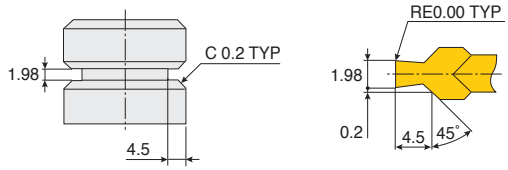
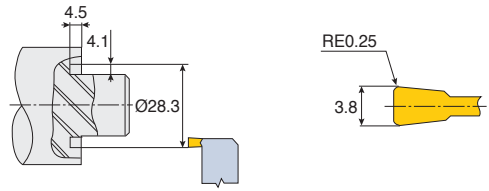
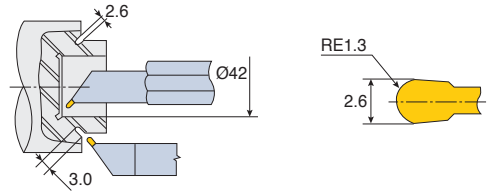


Tailor-made inserts are available upon request

Shape	Designation	Remarks
	TDT 4.00-0.50	Symmetrical type
	TDIT 3.20-0.00-0.25	Non-symmetrical type
	TDT 3.30-1.65	Full-R type
	TDT 4.00-0.30-5RA	L: Chamfer on Left-hand side R: Chamfer on Right-hand side
	TDT 3.10-0.10-15LA	
	TDG 5.28-1.20-R25A	
	TDT 5.28-1.20-L25A	

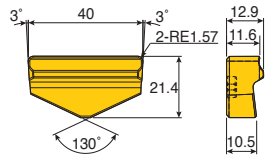
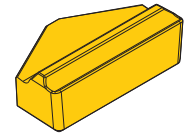
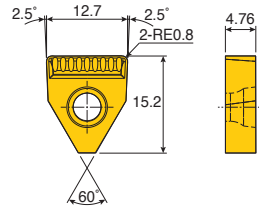
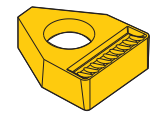
Shape	Designation	Remarks
	TDG 4.40-1.82-29A	L: Chamfer on Left-hand side R: Chamfer on Right-hand side
	TDT 4.40-1.50-30A	
	TDT 5.28-2.05-45R25L	
	TDG 4.40-0.15-60A	
	TDG 5.40-0.10-30R50L	
	TDT 3.90-4.00	
	TDT 1.90-T3.5C	
	TDT 1.90-0.30-4.20T	

Examples

Shape	Designation
	TDG 1.98-T4.5C
	TDFT 3.80E-0.25
	TDIT 2.60-1.30
The others	Available upon customer's request

Heavy Industry

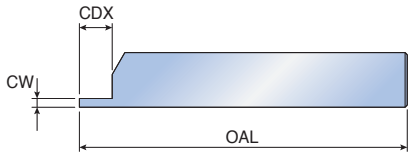
Tailor-made

Designation	Dimension (mm)	Remarks
XNMR 401416-HD		
XNGT 332-GV		

Tailor-made Order Form

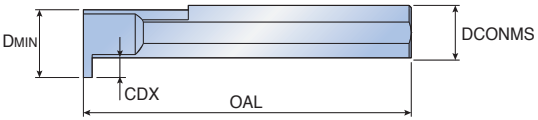
Specific dimensions

External holder



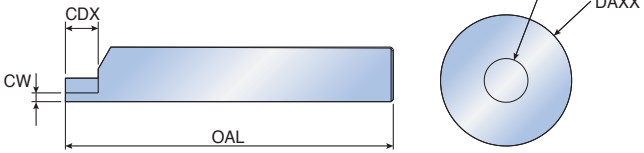
Right-handed shown

Internal holder



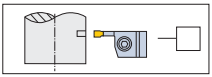
Right-handed shown

Facing holder

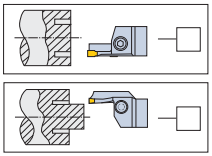


Right-handed shown

External holder

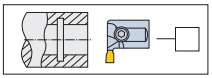


Facing holder



RN type

Internal holder



Holder handed

- Right-handed
- Light handed

Insert

- Grade: _____
- Chip breaker type: _____

Quantity

- _____ pcs

Comment

Workpieces

- Part: _____
- Material: _____
- Hardness: _____

■ Customer: _____ ■ Contact: _____

■ Address : _____

■ Telephone : _____ ■ Fax : _____

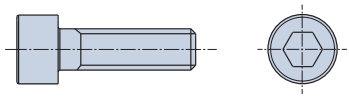
■ E-mail : _____

Technical Data

▶ Screw torque

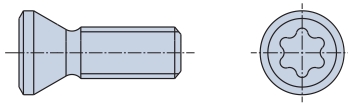
SH type

Designation	Thread	Length	Torx / Hexa	Tightening Torque
SH M4x0.7x16	M4	20	Hexa 3mm	3.5 Nm
SH M4x0.7x20-M0	M4	23.9	Hexa 3 mm	3.5 Nm
SH M5x0.8x10	M5	15	Hexa 4 mm	5.5 Nm
SH M5x0.8x12	M5	17	Hexa 4 mm	5.5 Nm
SH M5x0.8x16	M5	21	Hexa 4 mm	5.5 Nm
SH M5x0.8x20	M5	25	Hexa 4 mm	5.5 Nm
SH M5x0.8x25	M5	30	Hexa 4 mm	5.5 Nm
SH M6x1.0x16	M6	22	Hexa 5 mm	8.0 Nm
SH M6x1.0x20	M6	26	Hexa 5 mm	8.0 Nm
SH M6x1.0x25	M6	31	Hexa 5 mm	8.0 Nm
SH M6X1.0X30	M6	36	Hexa 5mm	8.0 Nm
SH M6x1.0x40	M6	46	Hexa 5 mm	8.0 Nm
SH M8x1.25x20	M8	28	Hexa 6 mm	12.0 Nm
SH M8x1.25x25	M8	33	Hexa 6 mm	12.0 Nm



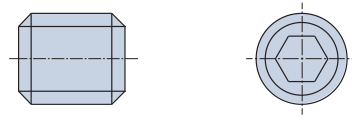
TS type

Designation	Thread	Length	Torx / Hexa	Tightening Torque
TS 22052I/HG	M2.2	5.2	Torx 7	0.9 Nm
TS 25075I/HG	M2.5	7.5	Torx 8	1.2 Nm
TS 35110I	M3.5	11	Torx 15	3.0 Nm
TS 35110IL	M3.5	11	Torx 15	3.0 Nm
TS 40093I	M4	9	Torx 15	3.5 Nm
TS 40097I	M4	9.7	Torx 15	3.5 Nm
TS 40A100	M4	10	Torx 15	3.5 Nm
TS 40A100L	M4	10	Torx 15	3.5 Nm
TS 40A115I	M4	11.5	Torx 15	3.5 Nm
TS 40B100I	M4	10	Torx 15	3.5 Nm
TS 45120I	M4.5	12	Torx 20	5.0 Nm
TS 50125I	M5	12.5	Torx 10/20	5.5 Nm
TS 50125IL	M5	12.5	Torx 10/20	5.5 Nm
TS 50170I-IC	M5	17	Torx 15	3.5 Nm
TS 50170IL-IC	M5	17	Torx 15	3.5 Nm
TS 60190I	M6	19	Hexa 4 mm	6.0 Nm
CSTB-4SD	M4	8	Torx 8	3.5 Nm



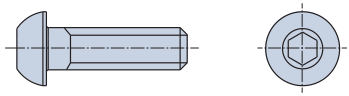
SS type

Designation	Thread	Length	Torx / Hexa	Tightening Torque
SS M5-24145	M5	5.1	Hexa 2.5mm	2.5 Nm



BH type

Designation	Thread	Length	Torx / Hexa	Tightening Torque
BH M6X1X16	M6	24.2	Hexa 4.0mm	5.5 Nm



Recommended Cutting Conditions

Parting

ISO	Material		Condition	Tensile strength (N/mm²)	Hardness HB	Material No.	Cutting speed Vc(m/min)			
							TT9080	TT4430	TT7220 TT8020	K10
P	Non-alloy steel, cast steel, free cutting steel	<0.25%C	Annealed	420	125	1	140-250	120-220	80-120	
		>=0.25%C	Annealed	650	190	2	130-220	100-190	80-110	
		<0.55%C	Quenched and tempered	850	250	3	90-200	80-170	70-90	
		>=0.55%C	Annealed	750	220	4	100-220	80-190	70-100	
			Quenched and tempered	1000	300	5	70-170	70-140	40-70	
	Low alloy steel and cast steel (Less than 5% of alloying elements)		Annealed	600	200	6	90-120	80-110	70-100	
			Quenched and tempered	930	275	7	80-170	80-140	50-70	
				1000	300	8	70-130	70-110	40-60	
				1200	350	9	50-120	50-100	30-50	
	High alloy steel, cast steel and tool steel		Annealed	680	200	10	60-140	60-120	50-80	
			Quenched and tempered	1100	325	11	50-70	40-60	30-60	
M	Stainless steel and cast steel		Ferritic / martensitic	680	200	12	70-170	60-150	60-120	
			Martensitic	820	240	13	60-150	60-120	60-90	
			Austenitic	600	180	14	90-180	80-150	60-90	
K	Gray cast iron (GG)		Ferritic		160	15	150-260			60-80
			Pearlitic		250	16	130-190			50-70
	Cast iron nodular (GGG)		Ferritic		180	17	140-230			70-100
			Pearlitic		260	18	110-180			70-90
	Malleable cast iron		Ferritic		130	19	170-270			60-85
			Pearlitic		230	20	140-230			45-75
N	Aluminum - Wrought alloy		Not cureable		60	21				
			Cured		100	22				
	Aluminum-cast, alloyed	<=12% Si	Not cureable		75	23				
			Cured		90	24				
		>12% Si	High temp.		130	25				
	Copper alloys	>1% Pb	Free cutting		110	26				
			Brass		90	27				
			Electrolitic copper		100	28				
	Non-metallic		Duroplastics, fiber plastics		70 Shore D	29				
			Hard rubber		55 Shore D	30				
S	High temp. alloys	Fe based	Annealed		200	31	40-70			35-50
			Cured		280	32	30-50			25-40
		Ni or Co based	Annealed		250	33	30-40			20-30
			Cured		350	34	15-25			15-20
			Cast		320	35	15-30			15-20
	Titanium, Ti alloys		Pure	Rm 400	190	36	90-190			150-200
			Alpha+beta alloys cured	Rm 1050	310	37	30-60			50-80
H	Hardened steel		Hardened		55HRC	38				
			Hardened		60HRC	39				
	Chilled cast iron		Cast		400	40				
	Cast iron nodular		Hardened		55HRC	41				

▸ For more information of material groups, see the materials & grades "material conversion table"

Steel Stainless steel Cast iron Nonferrous High temp. alloys Hardened steel

Recommended Cutting Conditions

Grooving and Turning

ISO	Material		Condition	Tensile strength (N/mm²)	Hardness HB	Material No.	Cutting speed Vc(m/min) TD1020
P	Non-alloy steel, cast steel, free cutting steel	<0.25%C	Annealed	420	125	1	
		>=0.25%C	Annealed	650	190	2	
		<0.55%C	Quenched and tempered	850	250	3	
		>=0.55%C	Annealed	750	220	4	
			Quenched and tempered	1000	300	5	
	Low alloy steel and cast steel (Less than 5% of alloying elements)		Annealed	600	200	6	
			Quenched and tempered	930	275	7	
				1000	300	8	
				1200	350	9	
	High alloy steel, cast steel and tool steel		Annealed	680	200	10	
			Quenched and tempered	1100	325	11	
M	Stainless steel and cast steel		Ferritic / martensitic	680	200	12	
			Martensitic	820	240	13	
			Austenitic	600	180	14	
K	Gray cast iron (GG)		Ferritic		160	15	
			Pearlitic		250	16	
	Cast iron nodular (GGG)		Ferritic		180	17	
			Pearlitic		260	18	
	Malleable cast iron		Ferritic		130	19	
			Pearlitic		230	20	
N	Aluminum - Wrought alloy		Not cureable		60	21	150-2500
			Cured		100	22	150-2500
	Aluminum-cast, alloyed	<=12% Si	Not cureable		75	23	150-2500
			Cured		90	24	150-2500
		>12% Si	High temp.		130	25	330-800
	Copper alloys	>1% Pb	Free cutting		110	26	
			Brass		90	27	330-800
			Electrolitic copper		100	28	190-400
	Non-metallic		Duroplastics, fiber plastics		70 Shore D	29	
			Hard rubber		55 Shore D	30	
S	High temp. alloys	Fe based	Annealed		200	31	
			Cured		280	32	
		Ni or Co based	Annealed		250	33	
			Cured		350	34	
			Cast		320	35	
	Titanium, Ti alloys		Pure	Rm 400	190	36	
			Alpha+beta alloys cured	Rm 1050	310	37	
H	Hardened steel		Hardened		55HRC	38	
			Hardened		60HRC	39	
	Chilled cast iron		Cast		400	40	
	Cast iron nodular		Hardened		55HRC	41	

▸ For more information of material groups, see the materials & grades "material conversion table"

Steel Stainless steel Cast iron Nonferrous High temp. alloys Hardened steel

Recommended Cutting Conditions

Grooving and Turning

Cutting speed Vc(m/min)									
TB2015	CT3000	TT7505	TT6080	TT3010	TT5100	TT9080	TT4430	TT7220 TT8020	K10
	100-210				110-220	100-200	90-180	80-150	
	100-200				110-200	100-180	90-160	100-150	
	80-180				90-180	80-160	80-140	70-130	
	80-180				90-180	80-160	80-140	70-120	
	70-150				80-150	70-130	70-110	60-100	
	100-180				110-180	100-160	90-140	80-120	
	90-180				90-180	80-160	80-150	70-130	
	80-170				90-170	80-150	80-130	70-110	
	80-150				90-150	80-130	80-120	60-100	
	90-130				100-150	90-130	90-120	80-110	
	50-80				60-90	50-80	50-70	40-60	
	80-170				90-190	80-170	80-150	70-130	
	80-150				90-170	80-150	80-130	70-110	
	80-170				90-190	80-170	80-150	70-130	
		150-270	110-250						70-100
		120-170	90-140						50-90
		150-250	120-230						70-100
		120-200	90-180						60-90
		120-200	90-180						60-120
		100-180	80-150						50-80
									300-800
									230-310
									280-830
									200-510
									130-300
									120-200
									90-150
				40-60	40-60	30-50	30-40	20-30	30-40
				30-50	25-45	20-40	20-30	15-20	20-40
				30-40	25-35	20-30	15-25	15-20	20-30
				25-35	20-25	15-20	15-20	15-20	15-20
				25-35	20-25	15-20	15-20	15-20	15-20
				140-180	150-190	130-170	100-150	80-100	100-130
				40-80	50-80	40-70	40-60	15-30	20-50
90-110		30-50	25-45						20-40
80-100		30-50	25-35						20-30
180-200		30-50	25-45						20-50
90-110		30-50	25-45						20-40

Recommended Cutting Conditions

Face grooving and Internal grooving

ISO	Material		Condition	Tensile strength (N/mm²)	Hardness HB	Material No.	Cutting speed Vc(m/min) TT7505
P	Non-alloy steel, cast steel, free cutting steel	<0.25%C	Annealed	420	125	1	
		>=0.25%C	Annealed	650	190	2	
		<0.55%C	Quenched and tempered	850	250	3	
		>=0.55%C	Annealed	750	220	4	
			Quenched and tempered	1000	300	5	
	Low alloy steel and cast steel (Less than 5% of alloying elements)		Annealed	600	200	6	
			Quenched and tempered	930	275	7	
				1000	300	8	
				1200	350	9	
	High alloy steel, cast steel and tool steel		Annealed	680	200	10	
			Quenched and tempered	1100	325	11	
M	Stainless steel and cast steel		Ferritic / martensitic	680	200	12	
			Martensitic	820	240	13	
			Austenitic	600	180	14	
K	Gray cast iron (GG)		Ferritic		160	15	90-140
			Pearlitic		250	16	80-120
	Cast iron nodular (GGG)		Ferritic		180	17	90-130
			Pearlitic		260	18	80-110
	Malleable cast iron		Ferritic		130	19	80-130
			Pearlitic		230	20	60-100
N	Aluminum - Wrought alloy		Not cureable		60	21	
			Cured		100	22	
	Aluminum-cast, alloyed	<=12% Si	Not cureable		75	23	
			Cured		90	24	
		>12% Si	High temp.		130	25	
	Copper alloys	>1% Pb	Free cutting		110	26	
			Brass		90	27	
			Electrolitic copper		100	28	
	Non-metallic		Duroplastics, fiber plastics		70 Shore D	29	
			Hard rubber		55 Shore D	30	
S	High temp. alloys	Fe based	Annealed		200	31	
			Cured		280	32	
		Ni or Co based	Annealed		250	33	
			Cured		350	34	
			Cast		320	35	
	Titanium, Ti alloys		Pure	Rm 400	190	36	
			Alpha+beta alloys cured	Rm 1050	310	37	
H	Hardened steel		Hardened		55HRC	38	15-25
			Hardened		60HRC	39	15-25
	Chilled cast iron		Cast		400	40	15-25
	Cast iron nodular		Hardened		55HRC	41	15-25

▸ For more information of material groups, see the materials & grades "material conversion table"

Steel Stainless steel Cast iron Nonferrous High temp. alloys Hardened steel

Recommended Cutting Conditions

Face grooving and Internal grooving

Cutting speed Vc(m/min)								
TT6080	TT3010	TT5100	TT9080	TT4430	TT7220 TT8020	K10		
		110-160	100-150	100-130	80-110			
		70-110	60-100	60-90	50~80			
		70-120	60-110	60-100	50-90			
		70-120	60-110	60-100	40-70			
		80-120	70-110	70-100	40-60			
		70-100	60-90	60-80	30-50			
		70-100	60-90	60-80	30-50			
		60-90	50-80	50-70	30-40			
		60-140	50-130	50-110	40-80			
		50-140	40-130	40-110	30-80			
70-120						40-60		
60-100						40-60		
70-110						40-60		
60-90						30-50		
60-110						20-40		
50-90						20-40		
						100-300		
						100-300		
						100-300		
						100-300		
						80-200		
						80-150		
						60-100		
	30-50	30-50	20-40	20-30	15-25			
	25-40	20-40	15-30	15-25	10-15			
	25-35	20-30	15-20	15-20	10-15			
	20-30	20-30	15-20	15-20	10-15			
	20-30	20-30	15-20	15-20	10-15			
	100-130	100-130	90-120	80-100	60-80			
	30-60	30-60	20-50	20-40	15-30			
15-20						15-20		
15-20						15-20		
15-25						15-25		
15-25						15-25		

Recommended Cutting Conditions

T-CLAMP ceramic insert

Material			Grooving	Turning
P	High hardened steel	Vc (m/min)	Not recommended	250-350
		F (mm/rev)		0.08-0.20
K	Cast iron	Vc (m/min)	600-800	600-800
		F (mm/rev)	0.1-0.2	0.1-0.24

▸ Above condition is adapted to TDT 4E-0.4T CE AB30

TOP-MICRO carbide bars

Cutting speed Vc(m/min)		Feed (mm/rev)		
		Turning / Back turning	Grooving	Face grooving
P	30-150	0.01-0.08	0.01-0.05	0.01-0.04
M	30-130			
K	30-150			
N	50-200			
S	10-50			