

TAEGUTEC
SPEEDTEC
HIGH SPEED & FEED LINES

NEW PRODUCTS



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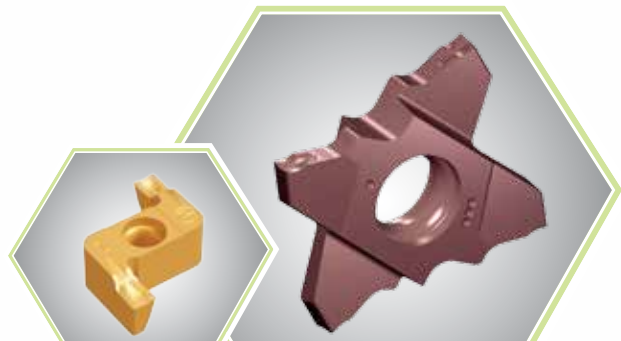
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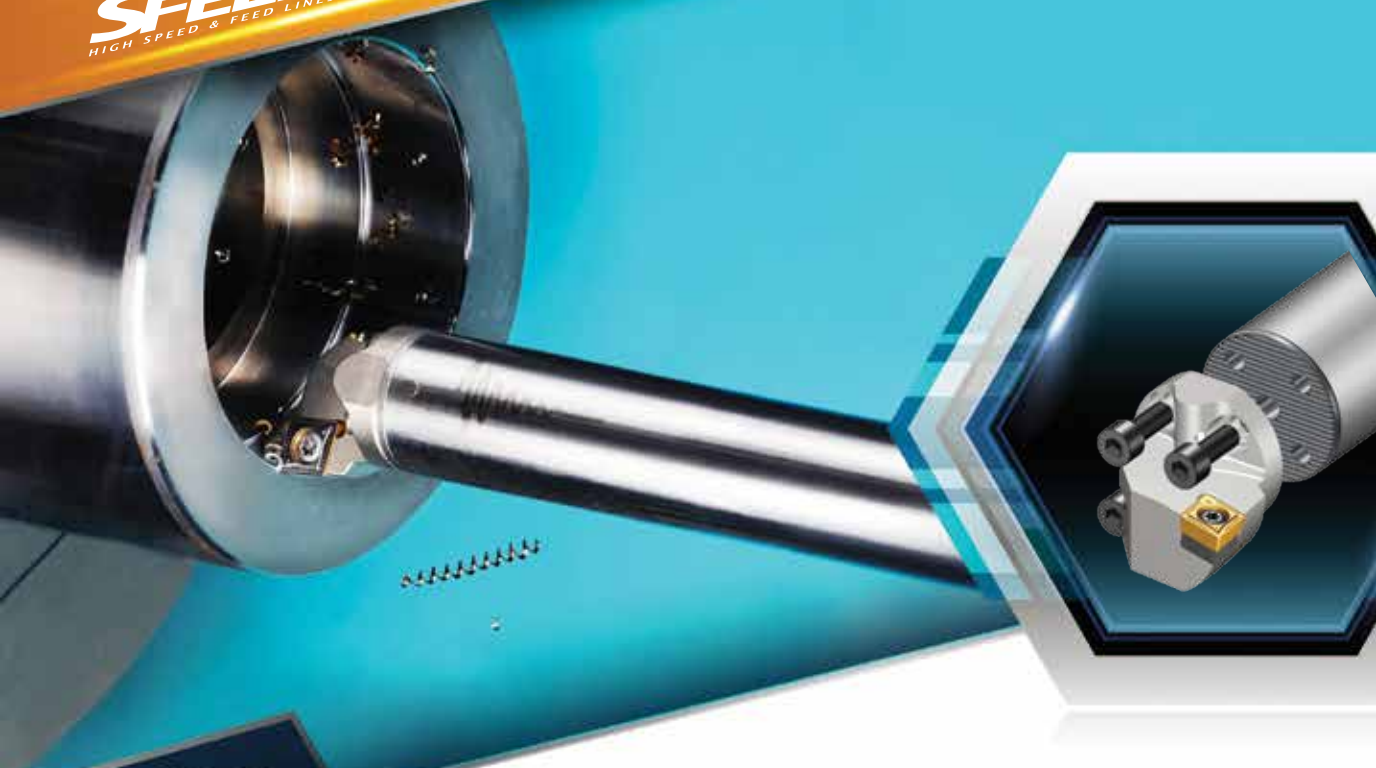
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TAEGUTEC
SPEEDTURN
HIGH SPEED & FEED TURNING

INDUSTRY 4.0





HUSHBORE

ANTI VIBRATION BAR

Head Changeable Anti-Vibration Boring Bar



✓ Anti-vibration shank up to 10 x BD



✓ Variety of exchangeable heads



✓ Stable and rigid clamping system

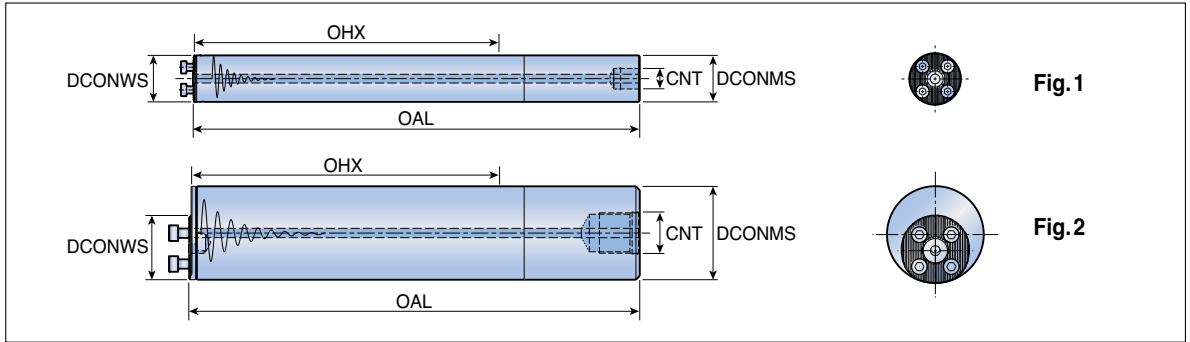


✓ Internal coolant supply



TaeguTec
Member IMC Group

Anti-vibration shanks for boring



Designation	Dimension (mm)					Coolant	Fig.
	DCONMS	DCONWS	OAL	OHX	CNT		
QS16A-7D	16	16	156.3	92	G 1/8	●	1
QS16E-10D ⁽¹⁾	16	16	204.3	140	-	●	1
QS20A-7D	20	20	200.3	120	G 1/4	●	1
QS20E-10D ⁽¹⁾	20	20	260.3	180	-	●	1
QS25A-7D	25	25	257.5	155	G 1/4	●	1
QS25A-10D	25	25	332.5	230	G 1/4	●	1
QS32A-7D	32	32	323.0	192	G 3/8	●	1
QS32A-10D	32	32	419.0	288	G 3/8	●	1
QS40A-7D	40	40	411.0	251	G 1/2	●	1
QS40A-10D	40	40	531.0	368	G 1/2	●	1
QS50A-7D	50	40	523.0	318	G 1/2	●	2
QS50A-10D	50	40	673.0	468	G 1/2	●	2
QS60A-7D	60	40	633.0	388	G 3/4	●	2
QS60A-10D	60	40	813.0	568	G 3/4	●	2

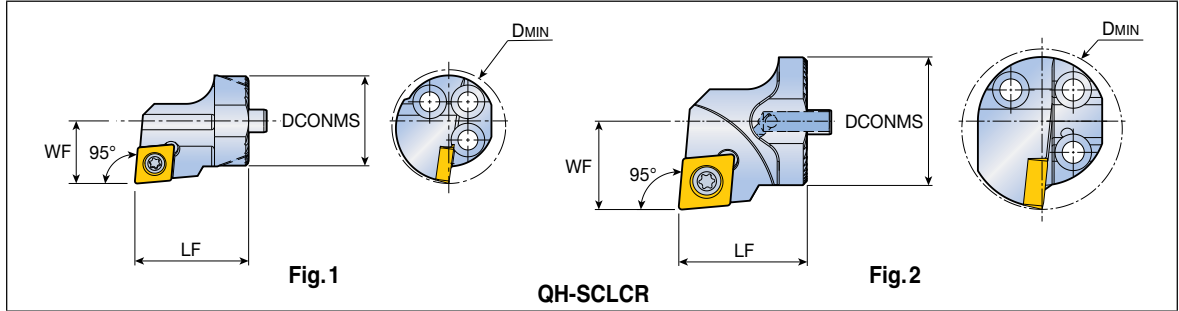
- OHX: Maximum overhang
- ⁽¹⁾ Carbide shank

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			

QH-SCLCR/L

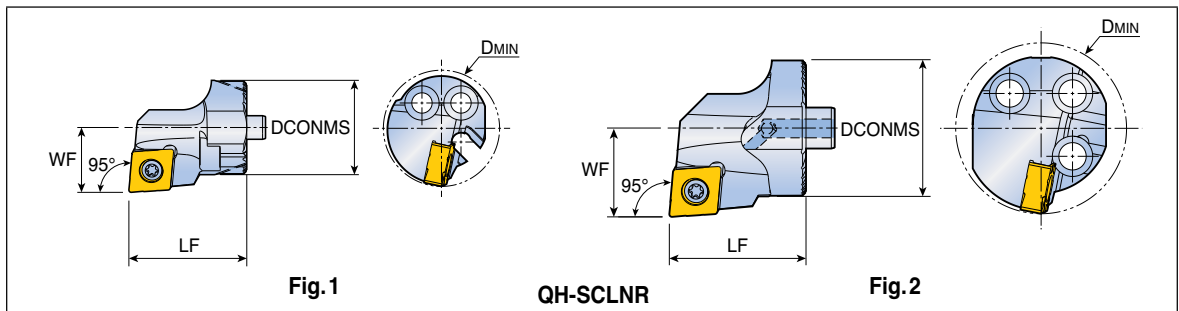
Screw type boring heads



Approach angle	Designation	Dimension (mm)				Coolant	Fig.	Insert
		DCONMS	LF	WF	DMIN			
 95°	QH16-SCLCR/L-06	16	20	11	20	•	1	CC...T 0602...
	QH20-SCLCR/L-09	20	20	13	25	•	2	CC...T 09T3...
	QH25-SCLCR/L-09	25	22	17	32	•	2	
	QH32-SCLCR/L-12	32	32	22	40	•	2	CC...T 1204...
	QH40-SCLCR/L-12	40	38	27	50	•	2	

QH-SCLNR/L

Screw type boring heads



Approach angle	Designation	Dimension (mm)				Coolant	Fig.	Insert
		DCONMS	LF	WF	DMIN			
 95°	* QH16-SCLNR/L-0703	16	20	11	20	•	1	CN...X 0703...
	* QH20-SCLNR/L-0703	20	20	13	25	•	2	

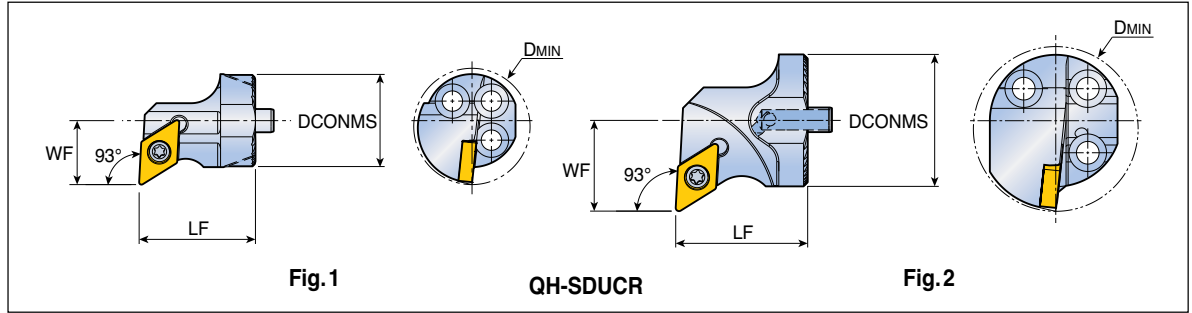
• * Marked: For RHINO-M-TURN insert

Spare parts

Designation	Screw	Shim	Shim screw	Wrench	
...06	SO 25065I	-	-	T 7	-
...07	TS 25D060/HG-P	-	-	T 7P	-
...09	SO 35080I	-	-	T 15	-
QH32...12	SO 45100I	-	-	T 20	-
QH40...12	SO 45130I	SSC 43N	SO 60105S	T 20	L-W 5

QH-SDUCR/L

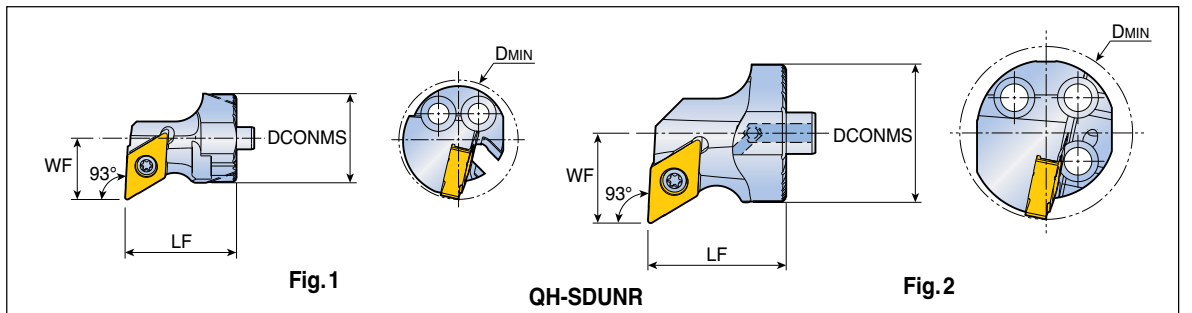
Screw type boring heads



Approach angle	Designation	Dimension (mm)				Coolant	Fig.	Insert
		DCONMS	LF	WF	DMIN			
 30° max.	QH16-SDUCR/L-07	16	20	11	20	●	1	DC...T 0702...
	QH20-SDUCR/L-11	20	20	13	25	●	2	DC...T 11T3...
	QH25-SDUCR/L-11	25	22	17	32	●	2	
	QH32-SDUCR/L-11	32	32	22	40	●	2	
	QH40-SDUCR/L-11	40	38	27	50	●	2	

QH-SDUNR/L

Screw type boring heads



Approach angle	Designation	Dimension (mm)				Coolant	Fig.	Insert
		DCONMS	LF	WF	DMIN			
 30° max.	* QH16-SDUNR/L-0803	16	20	11	20	●	1	DN...X 0803...
	* QH20-SDUNR/L-0803	20	20	13	25	●	2	
	✓ QH32-SDUNR/L-1305	32	32	22	40	●	2	DN...G 1305...

● * Marked: For RHINO-M-TURN insert

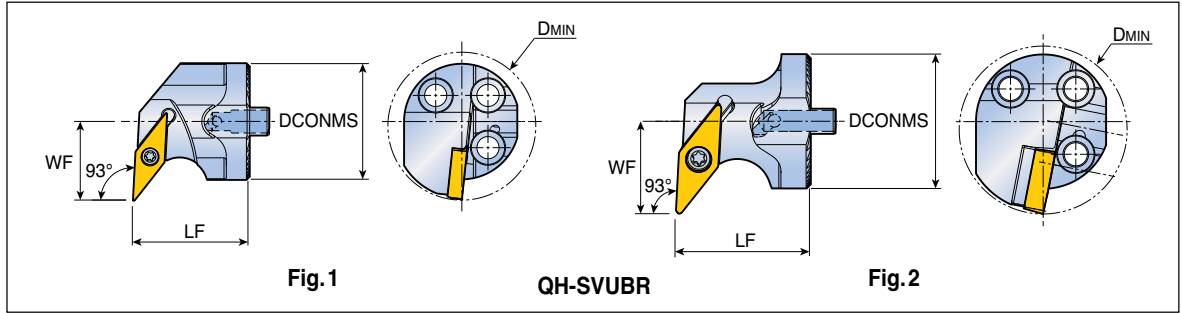
● ✓ Marked: For RHINO-TURN insert

Spare parts

Designation	Screw	Shim	Shim screw	Wrench	
	...				
...07	SO 25065I	-	-	T 7	-
...0803	TS 25D060/HG-P	-	-	T 7P	-
...11	SO 35080I	-	-	T 15	-
QH40...11	SO 35124I	SSD 32	SO 50090S	T 15	L-W 3.5
...1305	TS 40G110I	-	-	T 15	-

QH-SVUBR/L

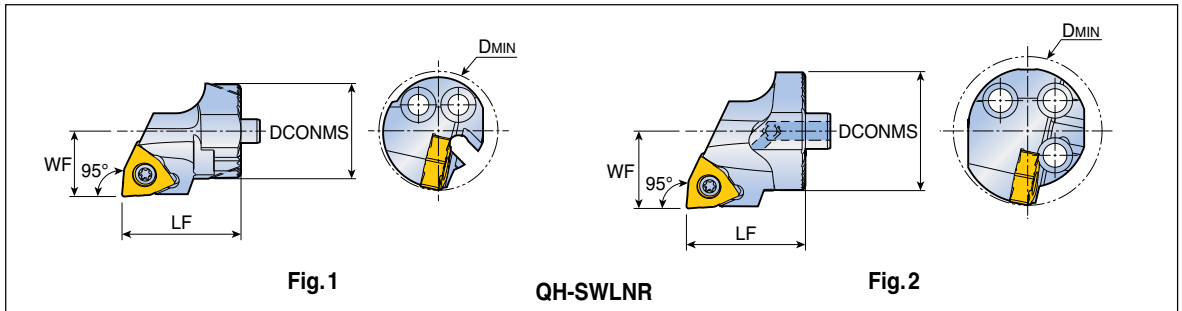
Screw type boring heads



Approach angle	Designation	Dimension (mm)				Coolant	Fig.	Insert
		DCONMS	LF	WF	DMIN			
 93°	QH20-SVUBR/L-11	20	20	16	27	●	1	VB...T 1103...
	QH25-SVUBR/L-11	25	25	17	31	●	1	
	QH32-SVUBR/L-16	32	32	22	40	●	2	VB...T 1604...
	QH40-SVUBR/L-16	40	32	27	50	●	2	

QH-SWLNR/L

Screw type boring heads



Approach angle	Designation	Dimension (mm)				Coolant	Fig.	Insert
		DCONMS	LF	WF	DMIN			
 95°	* QH16-SWLNR/L-0403	16	20	11	20	●	1	WN...X 0403...
	* QH20-SWLNR/L-0403	20	20	13	25	●	2	

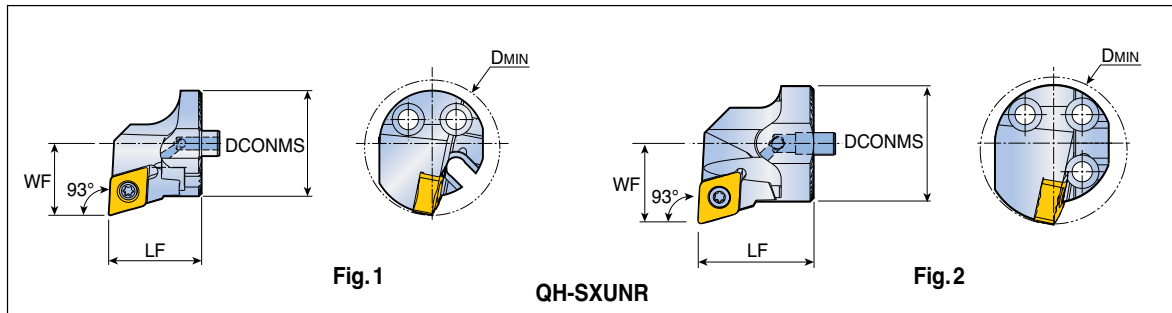
• * Marked: For RHINO-M-TURN insert

Spare parts

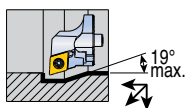
Designation	Screw	Shim	Shim screw	Wrench	
	SVUBR/L-11	SO 250651	-	-	T 7
SVUBR/L-16	SO 35124I	SSV 32	SO 50090S	T 15	L-W 3.5
SWLNR/L-0403	TS 25D060/HG-P	-	-	T 7P	-

QH-SXUNR/L

Screw type boring heads



Approach angle	Designation	Dimension (mm)				Coolant	Fig.	Insert
		DCONMS	LF	WF	DMIN			
93°	◆ QH25-SXUNR/L-0904	25	22	17	32	●	1	XNMG 0904...
	◆ QH32-SXUNR/L-1105	32	32	22	40	●	2	XNMG 1105...



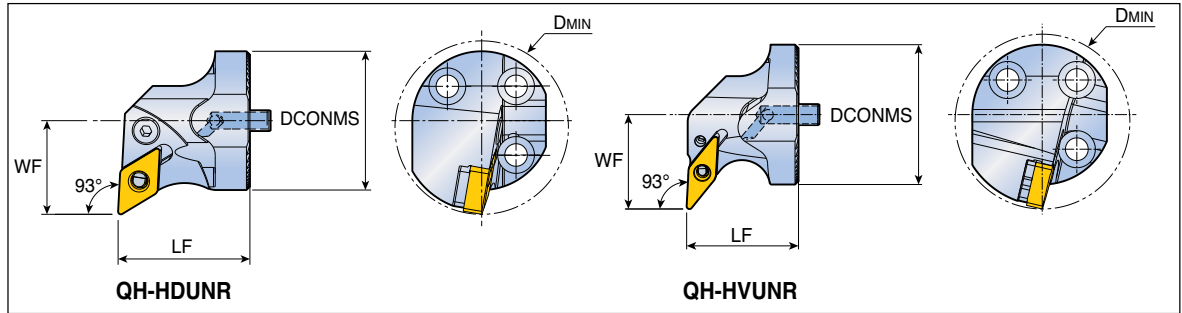
◆ Marked: For RHINO-X-TURN insert

Spare parts

Designation	Screw	Wrench			
	...0904	TS 30080I/HG	T 9		
...1105	TS 40G110I	T 15			

QH-HDUNR/L QH-HVUNR/L

Hook lever type boring heads



Approach angle	Designation	Dimension (mm)				Coolant	Insert
		DCONMS	LF	WF	DMIN		
93°	✓ QH40-HDUNR/L-1305	40	38	27	50	•	DN...G 1305...
 30° max.							
93°	✓ QH40-HVUNR/L-1304	40	32	27	50	•	VN...X 1304...
 50° max.							

• ✓ Marked: For RHINO-TURN insert

Spare parts

Designation	Lever	Lever screw	Shim		Shim pin	Wrench
HDUNR/L-1305	LCL 11-NX	LCS 4S	LSD 3.52B	-	LSP 4	L-W 3
HVUNR/L-1304	LCL 08-NX	LCS 4-DH	-	LSV 2.51.8H	LSP 3B	L-W 2.5



POSSTURN

DOUBLE SIDED POSITIVE TURNING

All Directional Turning with Positive 4 Cutting Edge Insert



✓ All direction turning



✓ High feed geometry



✓ 4 corner double-sided inserts



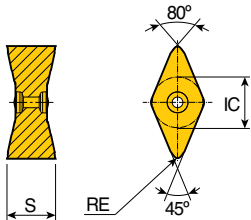
✓ High positive rake angle



✓ Unique and rigid captive clamping system



Negative rhombic inserts with 80° corner angle



Size	Dimension (mm)		
	IC	S	RE
14	10.5	10	0.8

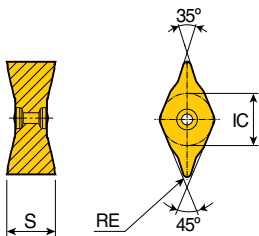
Insert	Designation	BWT ⁽¹⁾		FWT ⁽²⁾		CVD coated							PVD coated					
		ap (mm)	Feed (mm/rev)	ap (mm)	Feed (mm/rev)	TT7005	TT7015	TT8105	TT8115	TT8125	TT8135	TT9215	TT9225	TT9235	TT5080	TT3010	TT3020	TT9080
	ZNMV 141008-BM	0.5-2.5	0.40-1.00	0.5-2.0	0.20-0.60			●	●	●								
	ZNMV 141008-BS	0.5-2.5	0.50-1.00	1.0-2.0	0.20-0.40											●	●	

- ⁽¹⁾ BWT: Backward turning
- ⁽²⁾ FWT: Forward turning

●: Standard items

ZNMV Y-BF

Negative rhombic inserts with 35° corner angle



Size	Dimension (mm)		
	IC	S	RE
14	10.5	10	0.8

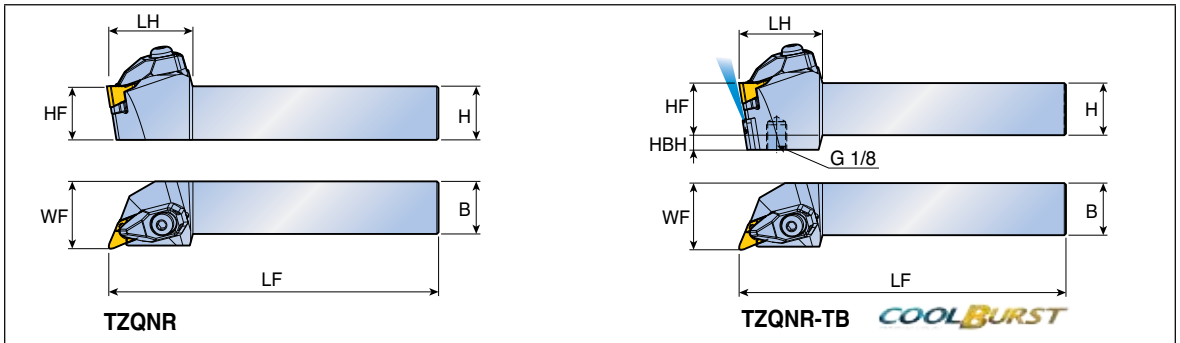
Insert	Designation	BWT ⁽¹⁾		FWT ⁽²⁾		CVD coated							PVD coated					
		ap (mm)	Feed (mm/rev)	ap (mm)	Feed (mm/rev)	TT7005	TT7015	TT8105	TT8115	TT8125	TT8135	TT9215	TT9225	TT9235	TT5080	TT3010	TT3020	TT9080
	ZNMV 141008Y-BF	0.25-1.5	0.20-0.50	0.25-1.0	0.20-0.35			●	●	●								

- ⁽¹⁾ BWT: Backward turning
- ⁽²⁾ FWT: Forward turning

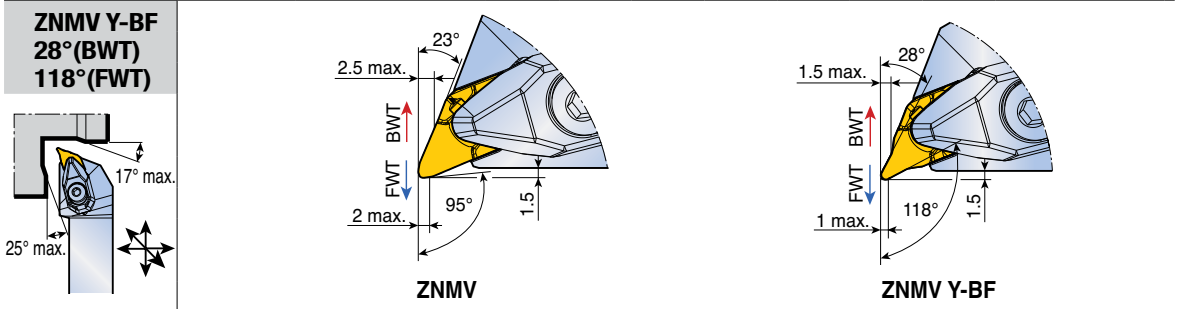
●: Standard items

TZQNR/L TZQNR/L-TB

T-holders for ZNMV inserts



Approach angle	Designation	Dimension (mm)							Insert
		H	HF	B	LF	LH	WF	HBH	
ZNMV 23°(BWT) 95°(FWT)	TZQNR/L 2525 M1410	25	25	25	150	40	32	-	ZNMV 1410...
	3232 P1410	32	32	32	170	40	40	-	
	TZQNR/L 2525 M1410-TB	25	25	25	150	40	32	7	
	3232 P1410-TB	32	32	32	170	40	40	-	



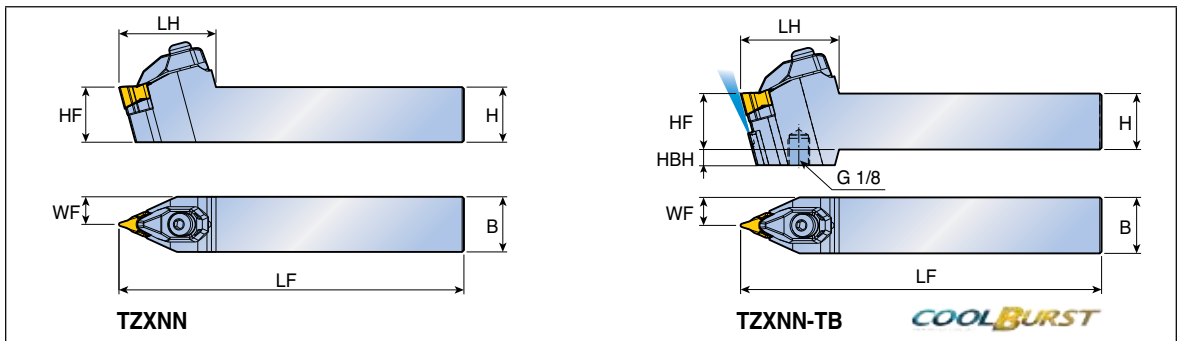
- BWT: Backward turning
- FWT: Forward turning

Spare parts

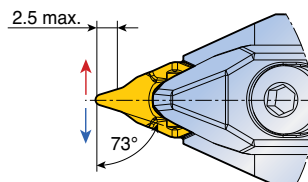
Designation	Clamp	Clamp screw	Spring	Shim	Shim screw	Wrench	
...1410	DLM 3.3Z-NV	DLS 5	DSP 5	TSZ 140310	TS 350831/HG	L-W 4	T 10
...1410-TB	DLM 3.3Z-NV	DLS 5	DSP 5	TSZ 140310	TS 350831/HG	L-W 4	T 10

TZXNN TZXNN-TB

T-holders for ZNMV Y-BF inserts

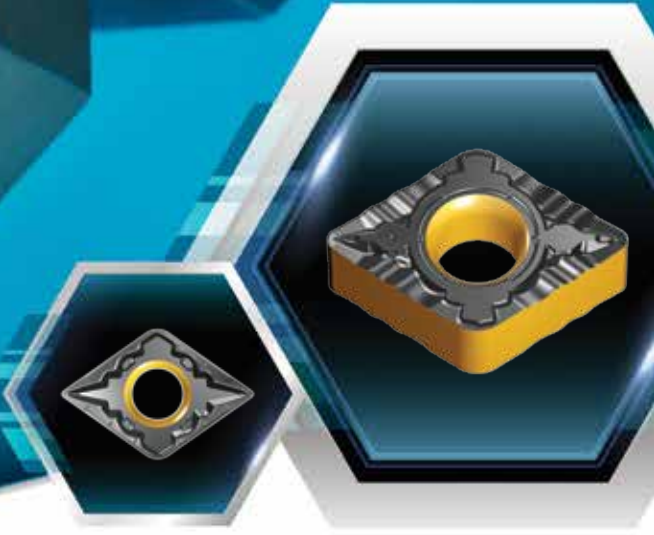


Approach angle	Designation	Dimension (mm)							Insert
		H	HF	B	LF	LH	WF	HBH	
73° 	TZXNN 2525 M1410	25	25	25	150	44	12.5	-	ZNMV 1410...Y-BF
	3232 P1410	32	32	32	170	44	16	-	
	TZXNN 2525 M1410-TB	25	25	25	150	44	12.5	7	
	3232 P 1410-TB	32	32	32	170	44	16	-	



Spare parts

Designation	Clamp	Clamp screw	Spring	Shim	Shim screw	Wrench	
...1410	DLM 3.3Z-NV	DLS 5	DSP 5	TSZ 140310	TS 350831/HG	L-W 4	T 10
...1410-TB	DLM 3.3Z-NV	DLS 5	DSP 5	TSZ 140310	TS 350831/HG	L-W 4	T 10



RHINOXTURN

XNMG 70° LINE

Double-Sided Versatile Insert with 70° Cutting Edge

✓ Multi-purpose application from finish to medium

✓ Low cutting force and Less vibration

✓ Double-sided inserts

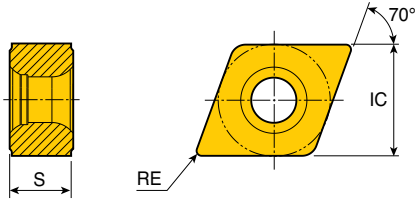
✓ For steel material

✓ Good chip control and evacuation



XNMG

Negative 70° rhombic inserts

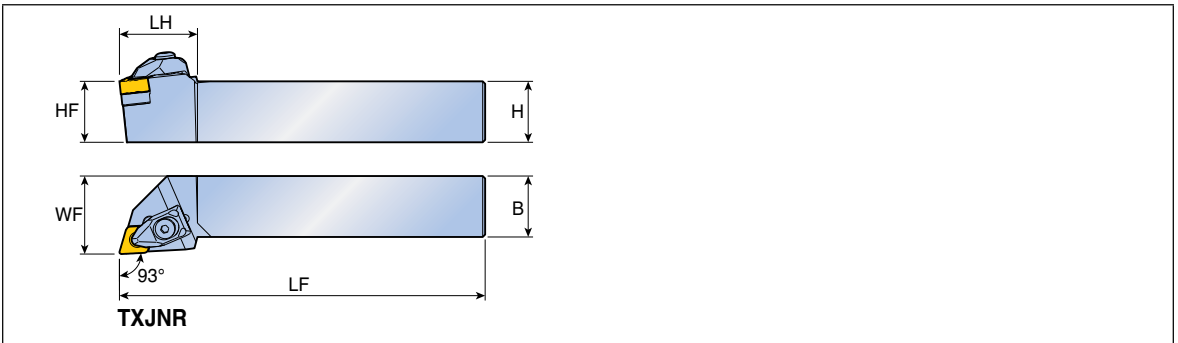


Size	Dimension (mm)		
	IC	S	RE
09	8.7	4.76	0.4
11	11.11	5.56	0.4-1.2

Insert	Designation	ap (mm)	Feed (mm/rev)	Cermet		CVD coated										PVD coated										
				PV3010	CT3000	TT7005	TT7015	TT8105	TT8115	TT8125	TT8135	TT9215	TT9225	TT9235	TT5100	TT7100	TT5080	TT8020	TT9020	TT9080						
	XNMG 090404 FLP	0.20-1.50	0.07-0.30						•	•	•															
	XNMG 110504 FGP	0.25-2.00	0.07-0.30						•	•	•															
	110508 FGP	0.30-2.00	0.10-0.35						•	•	•															
	110512 FGP	0.35-2.00	0.15-0.40						•	•																
	XNMG 110508 MLP	0.50-3.50	0.10-0.40						•	•	•															
	110512 MLP	0.60-3.50	0.15-0.50						•	•	•															

•: Standard items

T-Holders



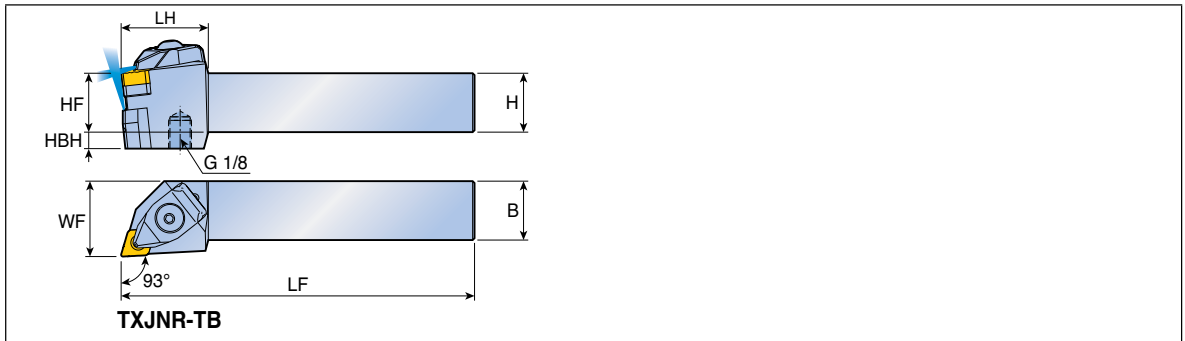
Approach angle	Designation	Dimension (mm)						Insert
		H	HF	B	LF	LH	WF	
93° 	TXJNR/L 2020 K0904	20	20	20	125	25	25	XNMG 0904...
	2525 M0904	25	25	25	150	25	32	
	2020 K1105	20	20	20	125	32	25	XNMG 1105...
	2525 M1105	25	25	25	150	32	32	

Spare parts

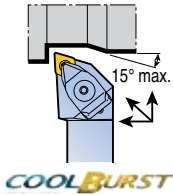
Designation	Clamp	Clamp screw	Spring	Shim	Shim screw	Wrench	
...0904	DLM 2.5-NX	DLS 3	DSP 3	TSX 2.73	SO 40085I	L-W 2.5	T 15
...1105	DLM 3.5-NX	DLS 4	DSP 4	TSX 3.53	SO 50090I	L-W 3	T 20

TXJNR/L-TB

T-Holders with high-pressure coolant



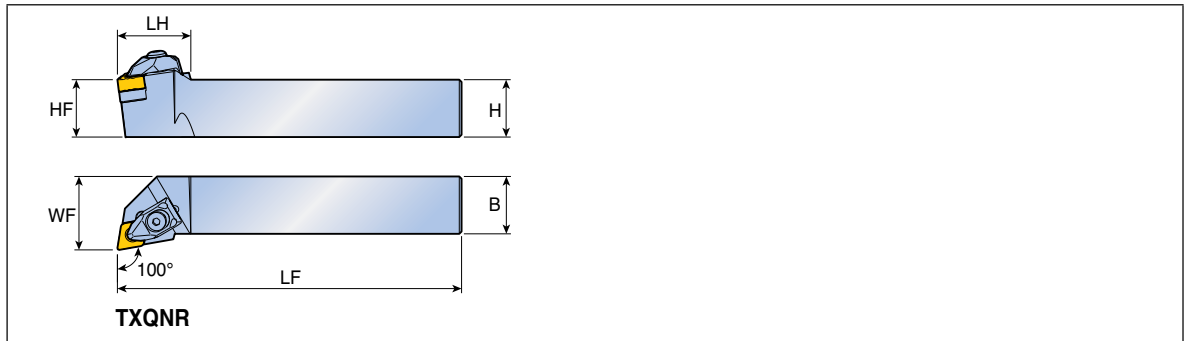
Approach angle	Designation	Dimension (mm)							Insert
		H	HF	B	LF	LH	WF	HBH	
93°	TXJNR/L 2525 M0904-TB	25	25	25	150	30	32	7	XNMG 0904...
	2525 M1105-TB	25	25	25	150	37	32	7	XNMG 1105...



Spare parts

Designation	Clamp	Clamp screw	Spring	Upper O-ring	Lower O-ring	Shim	Shim screw	Wrench	
...0904									
	DLM 3-NX-TB	BH M4x0.7x16-TB	DSP 3	O-RING ID4.47x1.78	O-RING ID6.07x1.78	TSX 2.73	SO 40085I	L-W 3	T 15
...1105									
	DLM 3.5-NX-TB	BH M5x0.8x21-MO-TB	DSP 4	O-RING ID5.28x1.78	O-RING ID7.59x2.62	TSX 3.53	SO 50090I	L-W 3	T 20

T-Holders



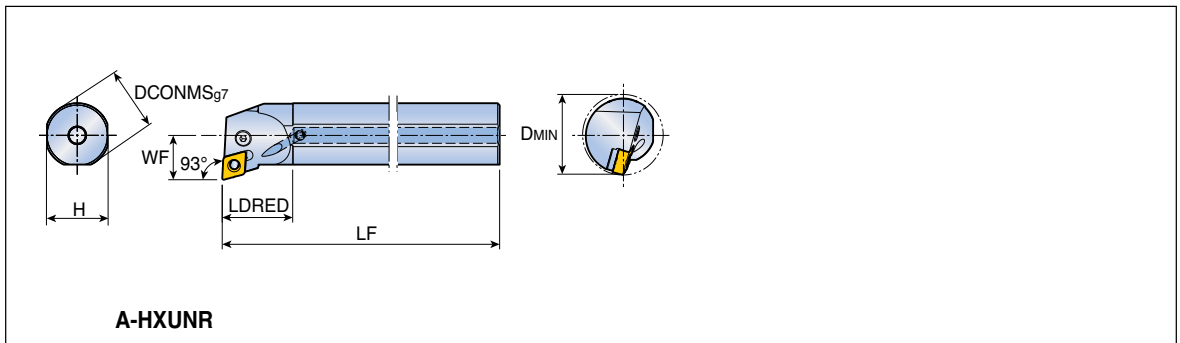
Approach angle	Designation	Dimension (mm)						Insert
		H	HF	B	LF	LH	WF	
 100°	TXQNR/L 2020 K0904	20	20	20	125	25	25	XNMG 0904...
	2525 M0904	25	25	25	150	25	32	
	2020 K1105	20	20	20	125	30	25	XNMG 1105...
	2525 M1105	25	25	25	150	32	32	

Spare parts

Designation	Clamp	Clamp screw	Spring	Shim	Shim screw	Wrench	
	 ...0904	DLM 2.5-NX	DLS 3	DSP 3	TSX 2.73	SO 400851	L-W 2.5
 ...1105	DLM 3.5-NX	DLS 4	DSP 4	TSX 3.53	SO 500901	L-W 3	T 20

A-HXUNR/L

Hook lever type boring bars



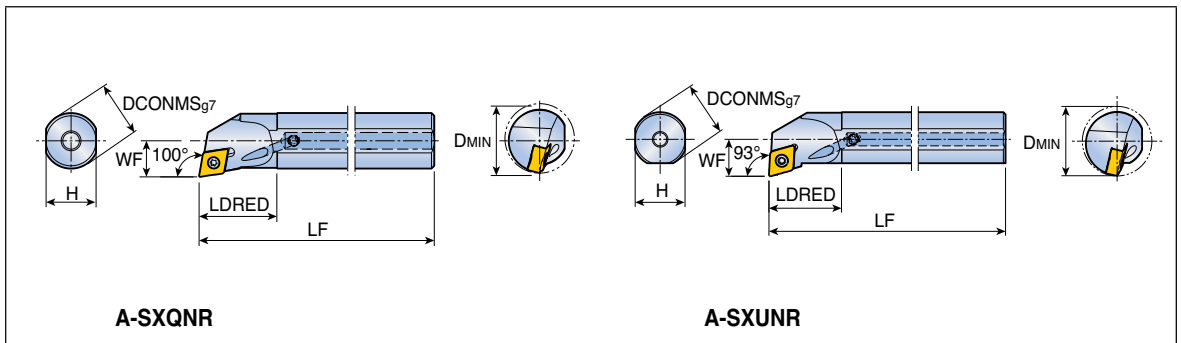
Approach angle	Designation	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	DMIN	
93°	A32S HXUNR/L 1105	32	30	250	35	22	40	XNMG 1105...
 15° max.								

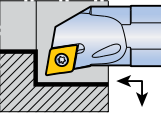
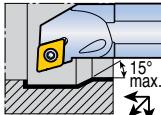
Spare parts

Designation	Lever	Lever screw	Shim	Shim pin	Wrench
	...1105	 LCL 11-NX	 LCS 4S	 LSX 3.52B	 LSP 4



A-SXQNR/L A-SXUNR/L

Screw type boring bars



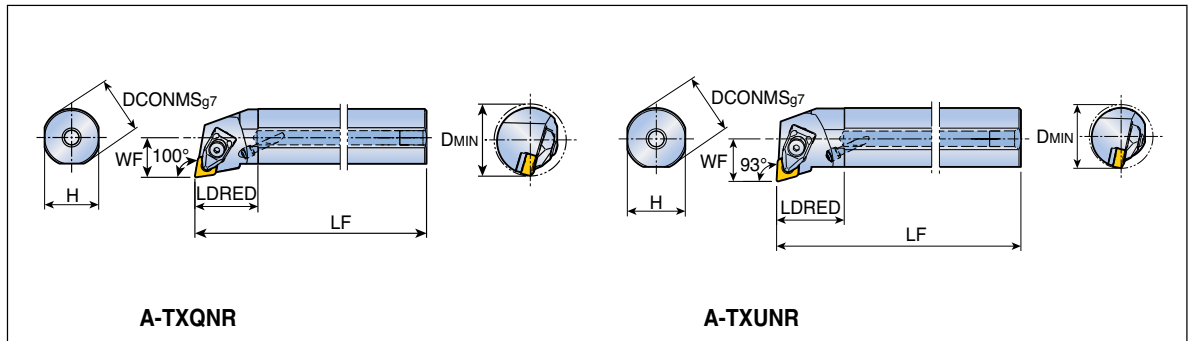
Approach angle	Designation	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	DMIN	
100° 	A16Q SXQNR/L 0904	16	15	180	24.5	11	20	XNMG 0904...
	A20Q SXQNR/L 0904	20	18	180	28	13	25	
	A20Q SXQNR/L 1105	20	18	180	28	13	25	
93° 	A25R SXUNR/L 1105	25	23	200	33.4	17	32	

Spare parts

Designation	Screw	Wrench			
	...0904	 TS 30080I/HG	 T 9		
...1105	TS 40G110I	T 15			

A-TXQNR/L A-TXUNR/L

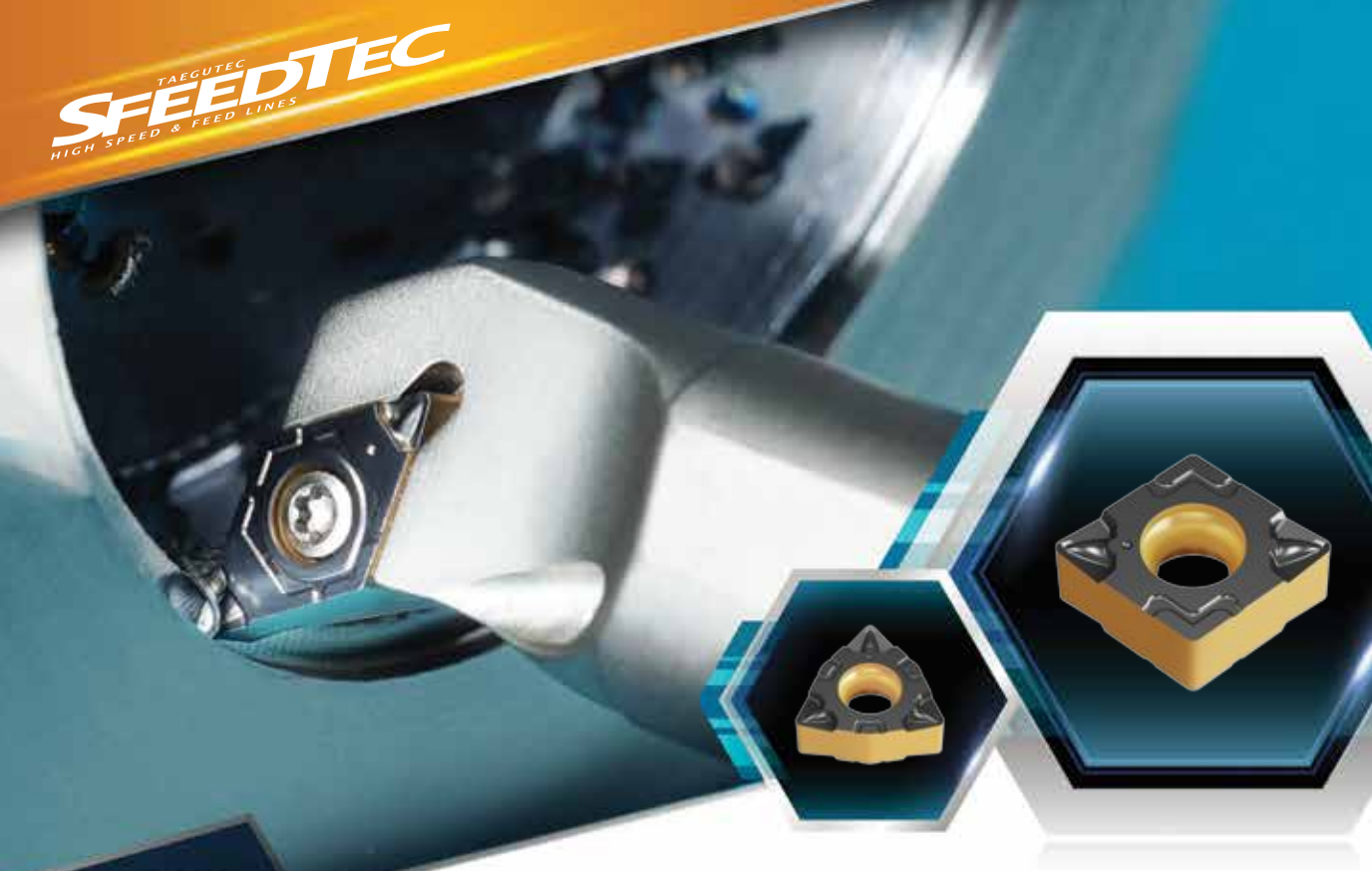
T-Holder type boring bars



Approach angle	Designation	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	DMIN	
100°	A25R TXQNR/L 1105	25	23	200	33.4	17	32	XNMG 1105...
	A32S TXQNR/L 1105	32	30	250	35	22	40	
93°	A32S TXUNR/L 1105	32	30	250	35	22	40	

Spare parts

Designation	Clamp	Clamp screw	Spring	Shim	Shim screw	Nozzle	Wrench	
A25R...1105	DLM 3.5-NX	DLS 4	DSP 4	-	-	NZ 62	L-W 3	-
A32S...1105	DLM 3.5-NX	DLS 4	DSP 4	LSX 3.52B	TS 50A105I	NZ 62	L-W 3	T 20



RHINO M TURN

MINI LINE

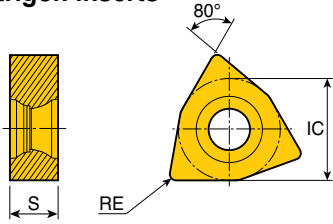
Economical Double-Sided Mini Size Insert



- ✓  Positive rake angle
- ✓  Double-sided inserts
- ✓  For Finishing
- ✓  Variety of inserts
- ✓  Good chip control and evacuation

WNMX

Negative 80° trigon inserts



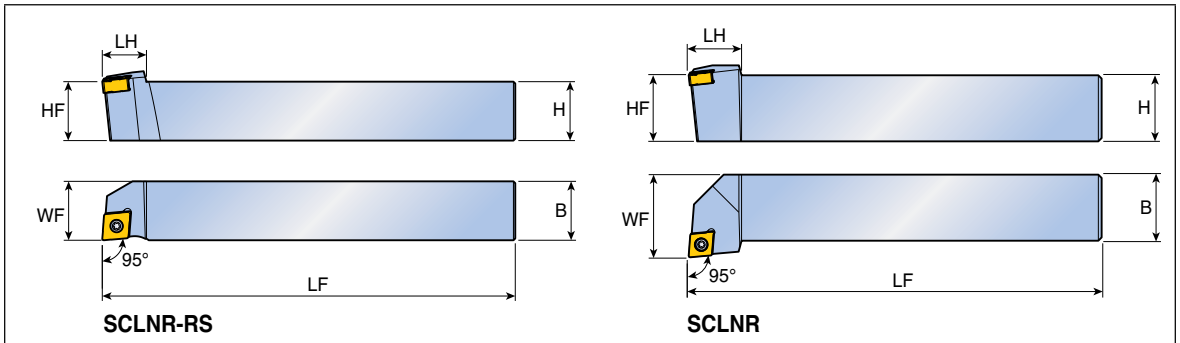
Size	Dimension (mm)		
	IC	S	RE
04	7	3.18	0.4

Insert	Designation	ap (mm)	Feed (mm/rev)	Cermets		CVD coated										PVD coated							
				PV3010	CT3000	TT7005	TT7015	TT8105	TT8115	TT8125	TT8135	TT9215	TT9225	TT9235	TT5100	TT7100	TT5080	TT8020	TT9020	TT9080			
	WNMX 040304 FGP	0.3-2.0	0.05-0.25	●						●	●								●				

●: Standard items

SCLNR/L-RS SCLNR/L

Screw type holders



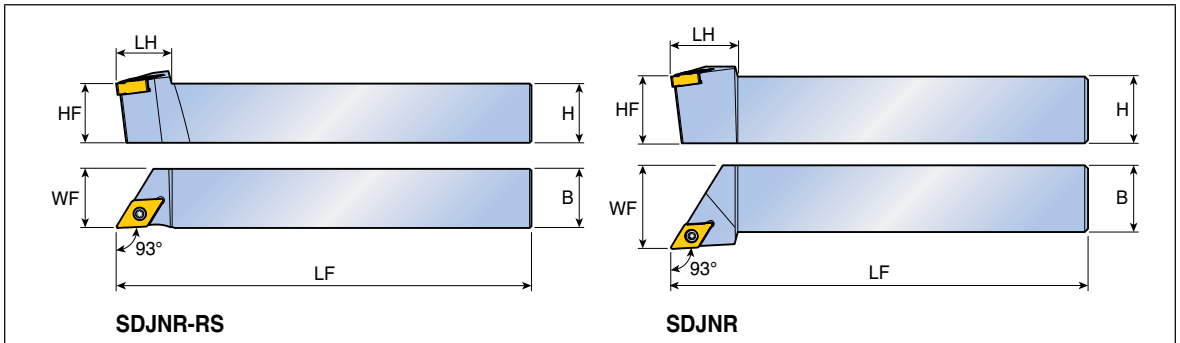
Approach angle	Designation	Dimension (mm)						Insert
		H	HF	B	LF	LH	WF	
95°	SCLNR/L 1212 K0703-RS	12	12	12	125	12	12	CNMX 0703...
	1616 K0703-RS	16	16	16	125	12	16	
95°								
95°	SCLNR/L 1616 H0703	16	16	16	100	12	20	
	2020 K0703	20	20	20	125	16	25	
95°								

Spare parts

Designation	Screw	Wrench			
	...0703...	TS 25D060/HG-P	T 7P		

SDJNR/L-RS SDJNR/L

Screw type holders



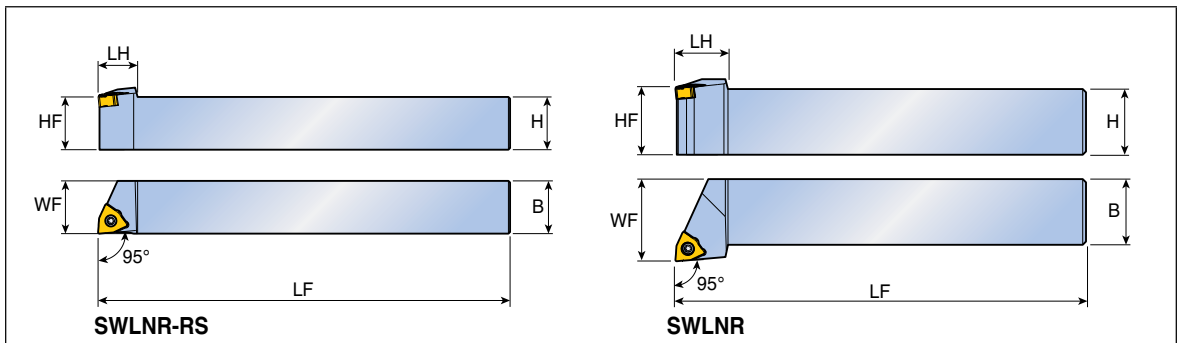
Approach angle	Designation	Dimension (mm)						Insert
		H	HF	B	LF	LH	WF	
93°	SDJNR/L 1212 K0803-RS	12	12	12	125	15	12	DN...X 0803...
	1616 K0803-RS	16	16	16	125	15	16	
93°	SDJNR/L 1616 H0803	16	16	16	100	16	20	
	2020 K0803	20	20	20	125	20	25	

Spare parts

Designation	Screw	Wrench			
	...0803...	TS 25D060/HG-P	T 7P		

SWLNR/L-RS SWLNR/L

Screw type holders



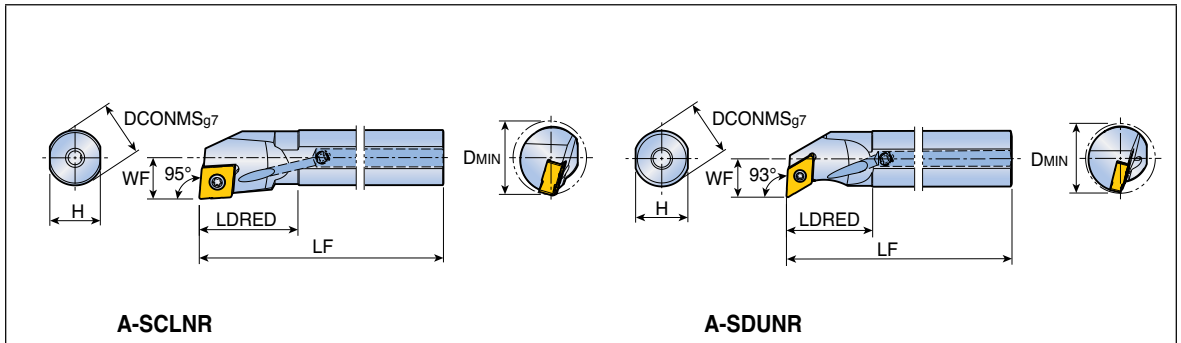
Approach angle	Designation	Dimension (mm)						Insert
		H	HF	B	LF	LH	WF	
95°	SWLNR/L 1212 K0403-RS	12	12	12	125	12	12	WNMX 0403...
	1616 K0403-RS	16	16	16	125	12	16	
95°	SWLNR/L 1616 H0403	16	16	16	100	16	20	
	2020 K0403	20	20	20	125	16	25	

Spare parts

Designation	Screw	Wrench			
...0403...	TS 25D060/HG-P	T 7P			

A-SCLNR/L A-SDUNR/L

Screw type boring bars



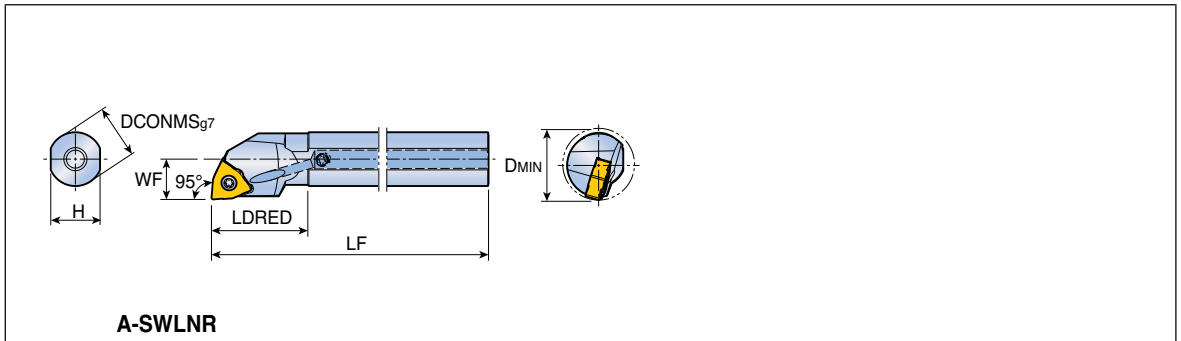
Approach angle	Designation	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	DMIN	
95°	A12M SCLNR/L 0703	12	11	150	21.5	9	16	CNMX 0703...
	A16Q SCLNR/L 0703	16	15	180	24.5	11	20	
93°	A12M SDUNR/L 0803	12	11	150	21.5	9	16	DN...X 0803...
	A16Q SDUNR/L 0803	16	15	180	24.5	11	20	

Spare parts

Designation	Screw	Wrench			
	...0703	TS 25D060/HG-P	T 7P		
...0803	TS 25D060/HG-P	T 7P			

A-SWLNR/L

Screw type boring bars



Approach angle	Designation	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	DMIN	
95°	A12M SWLNR/L 0403	12	11	150	21.5	9	16	WNMX 0403...
	A16Q SWLNR/L 0403	16	15	180	24.5	11	20	

Spare parts

Designation	Screw	Wrench			
...0403	TS 25D060/HG-P	T 7P			



COOLBURST

PINPOINTED COOLANT

RHINOTURN T-Holder with Internal High Pressure Coolant



✓ High pressure coolant supplied through the clamp

✓ High productivity

✓ Rigid clamping with T-holder

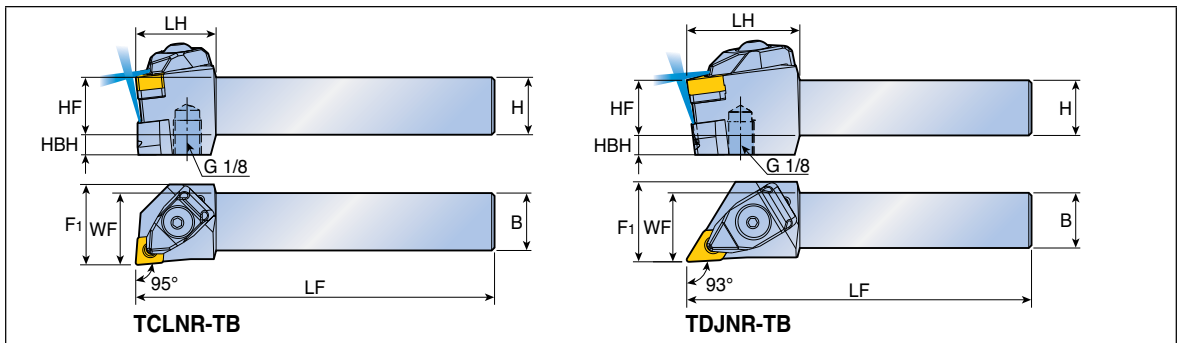
✓ Good chip control and evacuation

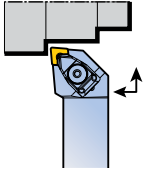
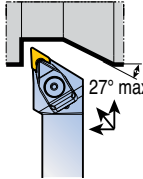
✓ Variety of inserts



TaeguTec
Member IMC Group











T- Holders with high-pressure coolant



Approach angle	Designation	Dimension (mm)									Insert
		H	HF	B	LF	LH	WF	HBH	F1		
95° 	✓ TCLNR/L 2020 K0904-TB	20	20	20	125	28	25	7	28	CN... 0904...	
	2525 M0904-TB	25	25	25	150	28	32	7	32		
93° 	✓ TDJNR/L 2020 K1305-TB	20	20	20	125	41	25	7	29	DN... 1305...	
	2525 M1305-TB	25	25	25	150	41	32	7	32		

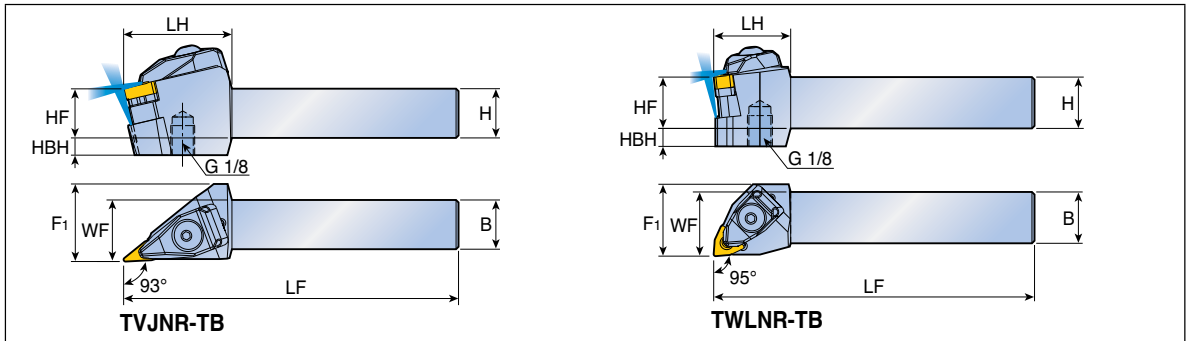
• ✓ Marked: For RHINO-TURN insert

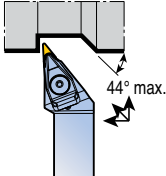
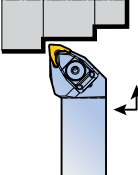
Spare parts

Designation	Clamp	Clamp screw	Spring	Upper O-ring	Lower O-ring	Shim		Shim screw	Wrench	
										
TCLNR/L-TB	DLM 3-NX-TB	BH M4x0.7x16-TB	DSP 3	O-RING ID4.47x1.78	O-RING ID6.07x1.78	LSC 32A	-	SO 40085I	L-W 3	T 15
TDJNR/L 2020...-TB	DLM 3.5-NX-TB	BH M5x0.8x21-MO-TB	DSP 4	O-RING ID5.28x1.78	O-RING ID7.59x2.62	-	LSD 3.52	SO 50090I-MO	L-W 3	T 20
TDJNR/L 2525...-TB	DLM 3.5-NX-TB	BH M5x0.8x21-MO-TB	DSP 4	O-RING ID5.28x1.78	O-RING ID7.59x2.62	-	LSD 3.52	SO 50090I	L-W 3	T 20

TVJNR/L-TB TWLNR/L-TB











T- Holders with high-pressure coolant



Approach angle	Designation	Dimension (mm)									Insert
		H	HF	B	LF	LH	WF	HBH	F ₁		
93° 	✓ TVJNR/L 2020 K1304-TB	20	20	20	125	44	25	7	31.5	YNMG 1304...	
	2525 M1304-TB	25	25	25	150	44	32	7	32.0		
95° 	✓ TWLNR/L 2020 K0604-TB	20	20	20	125	30	25	7	28	WN...X 0604...	
	2525 M0604-TB	25	25	25	150	30	32	7	32		

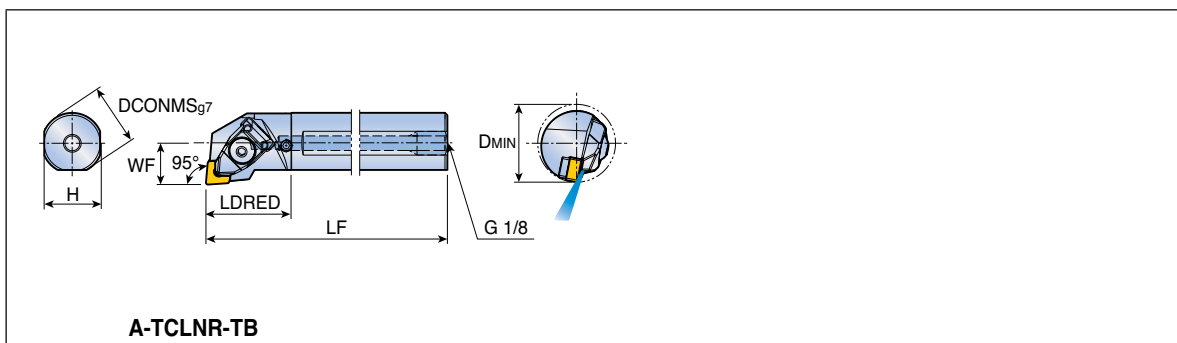
• ✓ Marked: For RHINO-TURN insert

Spare parts

Designation	Clamp	Clamp screw	Spring	Upper O-ring	Lower O-ring	Shim		Shim screw	Wrench	
										
TVJNR/L-TB	DLM 2.5V-NX-TB	BH M5X-0.8X21-MO-TB	DSP 4	O-RING ID5.28x 1.78	O-RING ID7.59x 2.62	MSVI 2.522	-	SO 400851	L-W 3	T 15
TWLNR/L-TB	DLM 3-NX-TB	BH M4x0.7x 16-TB	DSP 3	O-RING ID4.47x 1.78	O-RING ID6.07x 1.78	-	LSW 32A	SO 400851	L-W 3	T 15

A-TCLNR/L-TB

T-Holder type boring bars with high-pressure coolant



Approach angle	Designation	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	DMIN	
95°	✓ A25R TCLNR/L 0904-TB	25	23	200	35	17	32	CN... 0904...
	✓ A32S TCLNR/L 0904-TB	32	30	250	35	22	40	

• ✓ Marked: For RHINO-TURN insert

Spare parts

Designation	Clamp	Clamp screw	Spring	Upper O-ring	Lower O-ring	Shim	Shim screw	Wrench	
A-TCLNR/L-TB	DLM 3-NX-TB	BH M4x0.7x16-TB	DSP 3	O-RING ID4.47x1.78	O-RING ID6.07x1.78	LSC 32	SO 40073I	L-W 3	T 15



TURN SPEED

HIGH SPEED & FEED TURNING

High Feed Trigonal Insert with Positive Cutting Edge

✓ High feed geometry

✓ Stable clamping with unique geometry

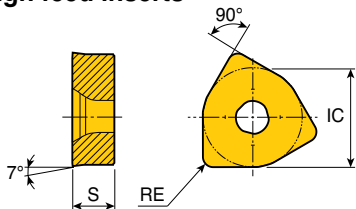
✓ Multi-direction machining

✓ Top and bottom coolant supply

✓ Good chip control and evacuation



Positive high feed inserts



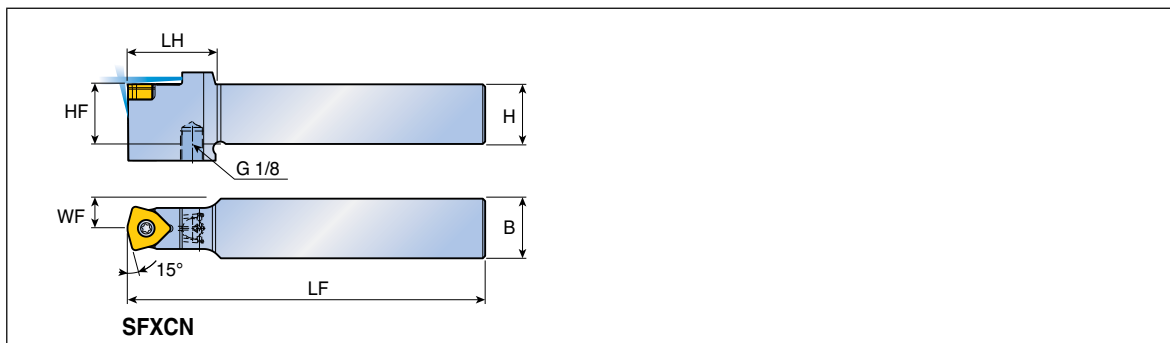
Size	Dimension (mm)		
	IC	S	RE
10	15.45	6.5	1.6

Insert	Designation	ap (mm)	Feed (mm/rev)	Cermet		CVD coated								PVD coated										
				PV3010	CT3000	TT7005	TT7015	TT8105	TT8115	TT8125	TT8135	TT9215	TT9225	TT9235	TT5100	TT7100	TT5080	TT8020	TT9020	TT9080				
	FCMX 100616-HFG	0.5-2.0	1.50-3.00							•	•		•											
	FCMX 100616-HFP	0.5-2.0	1.00-2.50							•	•	•												

•: Standard items

SFXCN

Screw type holders with internal coolant supply



Approach angle	Designation	Dimension (mm)							Insert
		H	HF	B	LF	LH	WF		
15°	SFXCN 2525 M1006	25	25	25	150	37	12.5	FCMX 1006...	
	3232 P1006	32	32	32	170	37	16		

Spare parts

Designation	Screw	Wrench			
... 1006	SO 45130I	T 20			

TAEGUTEC **SPEEDCLAMP**

HIGH SPEED & FEED PARTING GROOVING



INDUSTRY 4.0





CUTSFEED

HIGH FEED PARTING

New Single-Ended Rigid Insert for Parting and Grooving with Unique Adaptors

✓ High productivity with better tool life

✓ Higher speed and feed

✓ Simple and rigid clamping system

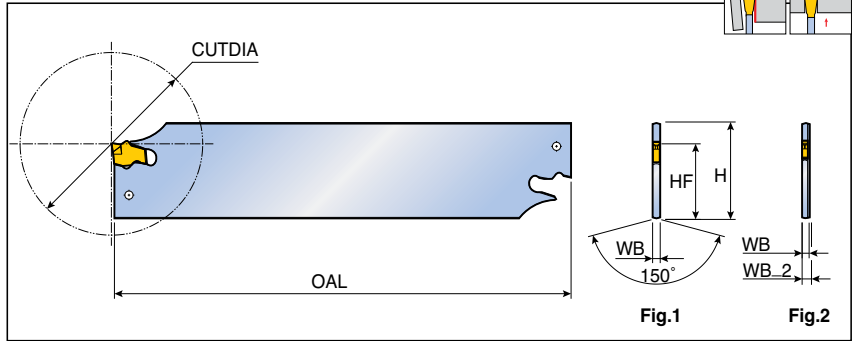
✓ Top and bottom high pressure coolant supply



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SFGB

Blades for parting and deep grooving

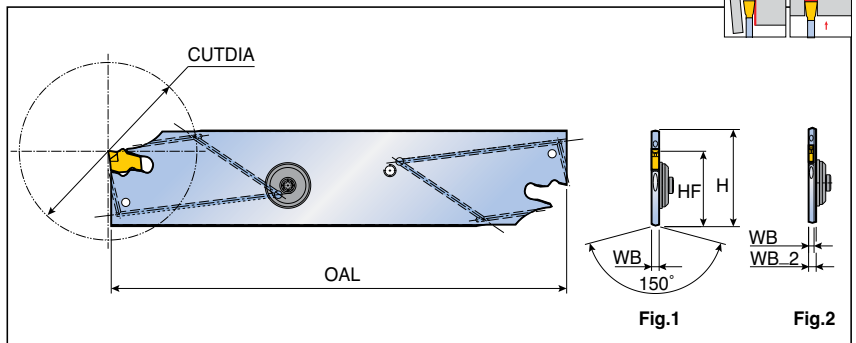


Designation	Insert seat size	Dimension (mm)						Fig.	Block	Insert
		H	HF	OAL	WB	WB_2	CUTDIA			
SFGB 32-1.6	1*	32	24.8	150	1.3	2.5	38	2	TTBN/U..32	SFC
32-2	2	32	24.8	150	1.8	2.5	50	2		SFJ
32-3	3	32	24.8	150	2.5	-	100	1		

• * : SFC 1.6 insert only

SFGB-TB

Blades for parting and deep grooving with high-pressure coolant



Designation	Insert seat size	Dimension (mm)						Fig.	Block	Insert
		H	HF	OAL	WB	WB_2	CUTDIA			
SFGB 32-2-TB	2	32	24.8	150	1.8	2.5	50	2	TTBU...-TB	SFC
32-3-TB	3	32	24.8	150	2.5	-	100	1		SFJ

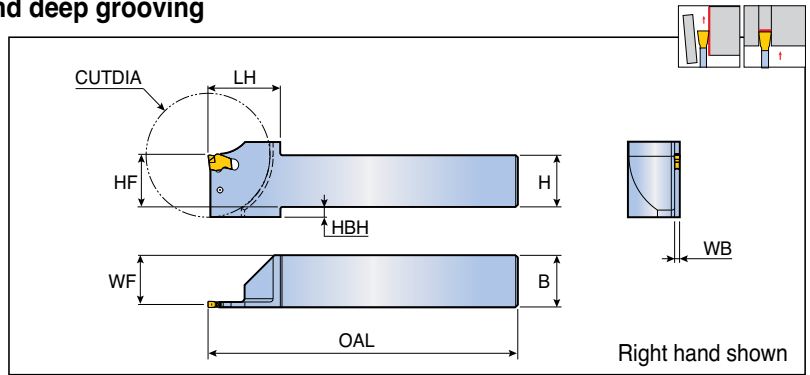
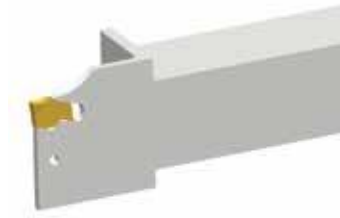
Spare parts

Designation	Sealing screw set	Extractor		
	SFGB			
SFGB -TB	SGC 340	ETG 3-4		

• Extractor should be ordered separately

SFER/L

External holders for parting and deep grooving

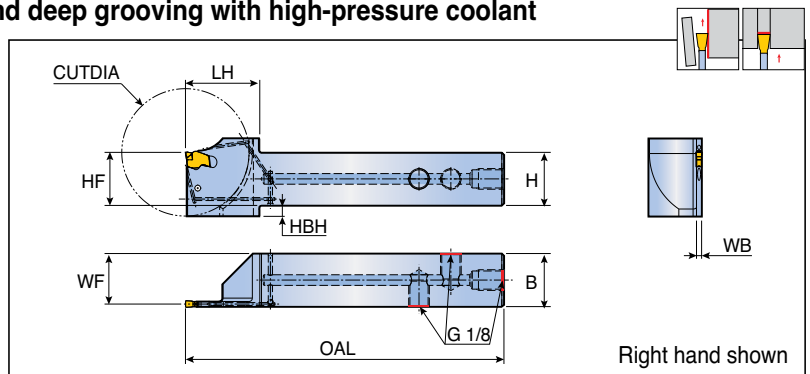


Designation	Insert seat size	Dimension (mm)										Insert
		H	HF	B	OAL	LH	WF	WB	HBH	CUTDIA		
SFER/L 2020-1.6T22-D45	1*	20	20	20	150	29.5	19.4	1.3	2.5	45	SFC	
2525-2T25-D50	2	25	25	25	150	32	24.1	1.8	-	50	SFJ	
2525-3T30-D60	3	25	25	25	150	35	23.8	2.4	5	60	SFJ	

• *: SFC 1.6 insert only

SFER/L-TB

External 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	CUTDIA		
SFER/L 2525-2T25-D50-TB	2	25	25	25	150	32	24.1	1.8	-	50	SFC	
2525-3T30-D60-TB	3	25	25	25	150	35	23.8	2.4	5	60	SFJ	

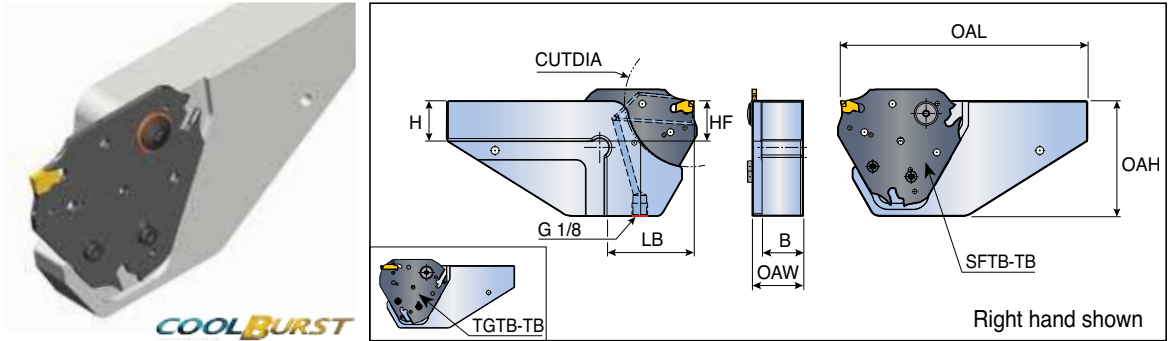
Spare parts

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

• Extractor should be ordered separately

THTBR/L-TB

Holders for triangular blade with high-pressure coolant



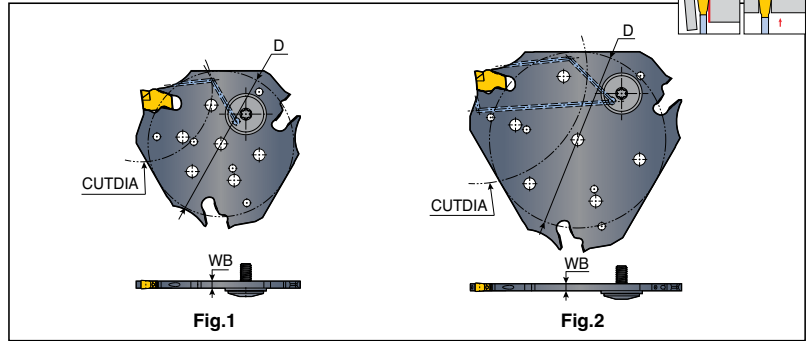
Designation	Dimension (mm)								Blade
	H	HF	B	OAL	OAH	OAW	LB	CUTDIA	
THTBR/L 20-D52-TB	20	20	17.5	125	52	23.5	40	52	SFTB
25-D52-TB	25	25	22.5	135	52	28.5	40	52	TGTB
20-D82-TB	20	20	17.5	140	72	23.5	51.5	82	SFTB
25-D82-TB	25	25	22.5	150	72	28.5	51.5	82	
25-D120-TB	25	25	22.5	165	95	28.5	67	120	SFTB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

Spare parts

Designation	Screw	O-Ring	Wrench	
	THTBR/L-TB	SH M4X0.7X10-TX	O-RING ID10X2	T 20

SFTB-TB

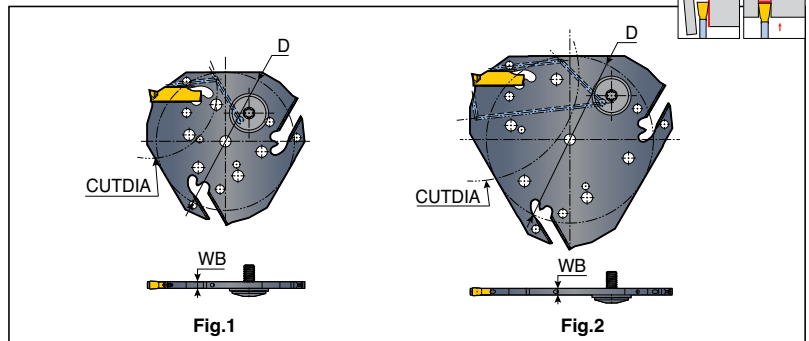
Triangular blades for CUT-SPEED insert with high-pressure coolant



Designation	Insert seat size	Dimension (mm)			Fig.	Holder	Insert
		D	WB	CUTDIA			
SFTB D52-2-TB	2	53.2	1.8	52	1	THTBR/L-TB	SFC SFJ
D52-3-TB	3	53.2	2.5	52	1		
D82-2-TB	2	64.3	1.8	82	2		
D82-3-TB	3	64.3	2.5	82	2		
D120-2-TB	2	85.5	1.8	120	2		
D120-3-TB	3	85.5	2.5	120	2		

TGTB-TB

Triangular blades for T-CLAMP insert with high-pressure coolant



Designation	Insert seat size	Dimension (mm)			Fig.	Holder	Insert
		D	WB	CUTDIA			
TGTB D52-2-TB	2	53.2	1.8	52	1	THTBR/L-TB	TDC / J / T TDXU / XT TSC / J
D52-3-TB	3	53.2	2.5	52	1		
D82-2-TB	2	64.3	1.8	82	2		
D82-3-TB	3	64.3	2.5	82	2		

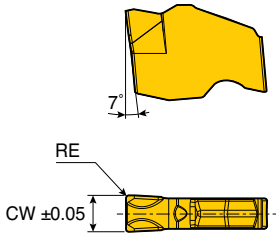
Spare parts

Designation	Sealing screw set	Extractor	
	SFTB-TB	SGC 340-Q	ETG 3-4
TGTB-TB	SGC 340-Q	-	EDG 33B

• Extractor should be ordered separately

SFC

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



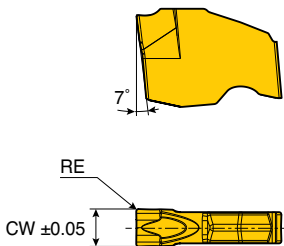
Size	Dimension (mm)			
	CW	RE		
1.6	1.6	0.2		
2	2.0	0.2		
3	3.0	0.2		

Insert	Designation	Insert seat size	Feed (mm/rev)	Cermet		Coated				Uncoated		
				CT3000		TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	SFC 1.6	1	0.05-0.15						●	●		
	2	2	0.08-0.20						●	●		
	3	3	0.10-0.25						●	●		

●: Standard items

SFJ

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



Size	Dimension (mm)			
	CW	RE		
2	2.0	0.2		
3	3.0	0.2		

Insert	Designation	Insert seat size	Feed (mm/rev)	Cermet		Coated				Uncoated		
				CT3000		TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	SFJ 2	2	0.05-0.15						●	●		
	3	3	0.08-0.20						●	●		

●: Standard items



FACE RUSH

FACE GROOVING

Unique Shallow Face Grooving Insert for Multiple Applications

✓ Multiple applications

✓ Stable and secure clamping

✓ Various size inserts with one holder

✓ Good chip evacuation

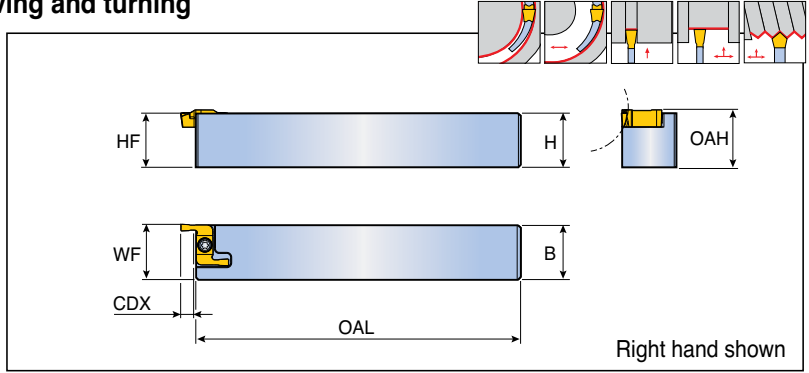
✓ High pressure coolant



TXFR/L



HOLDERS for shallow face grooving and turning



Designation	Dimension (mm)							Insert
	H	HF	B	OAL	OAH	WF	CDX	
TXFR 2525	25	25	25	150	26.5	25.5	6	TDF(G)X ...R
TXFL 2525	25	25	25	150	26.5	25.5	6	TDF(G)X ...L

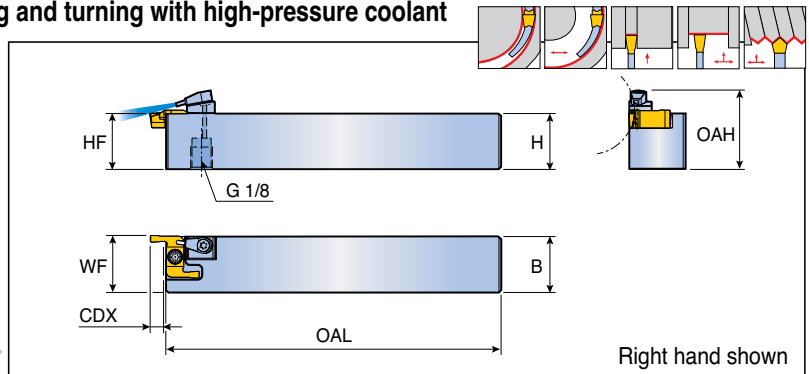
Spare parts

Designation	Screw	Wrench		
	TXFR	TS 35110I	T 15	
TXFL	TS 35110IL	T 15		

TXFR/L-TB



HOLDERS for shallow face grooving and turning with high-pressure coolant



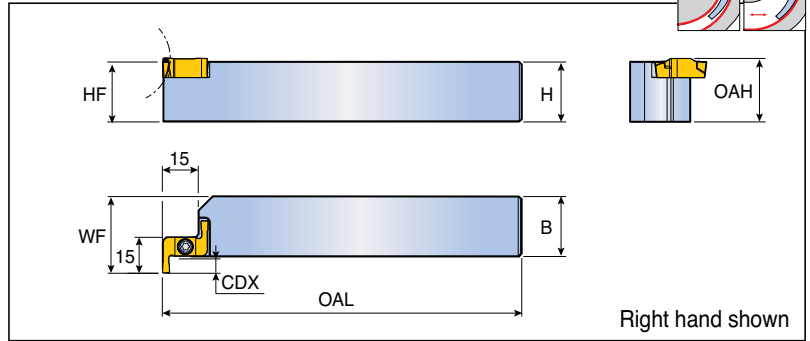
Designation	Dimension (mm)							Insert
	H	HF	B	OAL	OAH	WF	CDX	
TXFR 2525-TB	25	25	25	150	35.5	25.5	6	TDF(G)X ...R
TXFL 2525-TB	25	25	25	150	35.5	25.5	6	TDF(G)X ...L

Spare parts

Designation	Screw	Wrench	Cooling unit	
	TXFR-TB	TS 35110I	T 15	S-CU-TB
TXFL-TB	TS 35110IL	T 15	S-CU-TB	

TXFPR/L

Perpendicular holders for shallow face grooving and turning



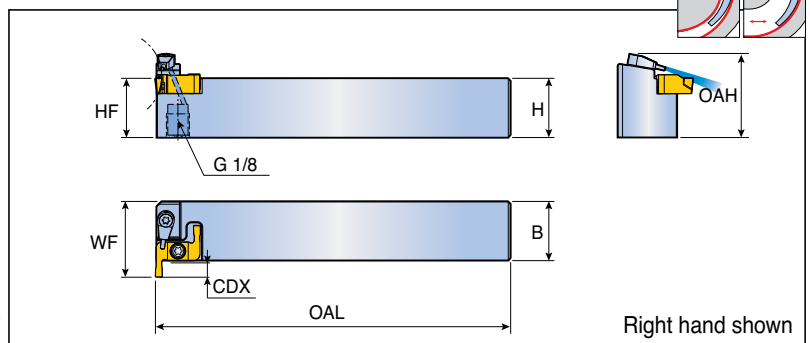
Designation	Dimension (mm)							Insert
	H	HF	B	OAL	OAH	WF	CDX	
TXFPR 2525	25	25	25	150	26.5	32	6	TDFX ...R
TXFPL 2525	25	25	25	150	26.5	32	6	TDFX ...L

Spare parts

Designation	Screw	Wrench		
TXFPR	TS 35110I	T 15		
TXFPL	TS 35110IL	T 15		

TXFPR/L-TB

Perpendicular holders for shallow face grooving and turning with high-pressure coolant



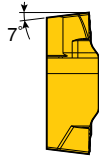
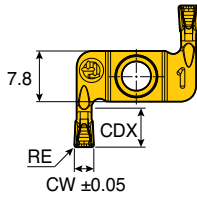
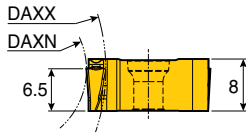
Designation	Dimension (mm)							Insert
	H	HF	B	OAL	OAH	WF	CDX	
TXFPR 2525-TB	25	25	25	150	35.5	32	6	TDFX ...R
TXFPL 2525-TB	25	25	25	150	35.5	32	6	TDFX ...L

Spare parts

Designation	Screw	Wrench	Cooling unit	
TXFPR-TB	TS 35110I	T 15	S-CU-TB	
TXFPL-TB	TS 35110IL	T 15	S-CU-TB	

TDFX

Double-ended inserts for face grooving and turning



Right hand shown

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

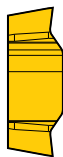
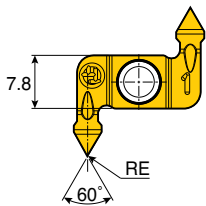
Insert	Designation	Turning		Grooving	Cermet		Coated				Uncoated		
		ap (mm)	Feed (mm/rev)	Feed (mm/rev)	CT3000		TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	TDFX 3E-0.3-D24R/L	0.4-1.8	0.15-0.20	0.07-0.20									
	4E-0.4-D32R/L	0.5-2.4	0.15-0.24	0.09-0.25						•			
										•			

• 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						•			

• TPN: Thread pitch minimum
• TPX: Thread pitch maximum

• TPIN: Thread per inch minimum
• TPIX: Thread per inch maximum

• Standard items



QUAD RUSH

PARTING & GROOVING

**Economical Parting and Grooving
 Insert with 4 Cutting Edges for
 Miniature Machining**



✓ 4 Cutting edge
 economical
 insert



✓ Stable insert
 clamping
 structure



✓ Small size insert for
 Swiss turn machining



✓ Shouldering
 possible-slanted type



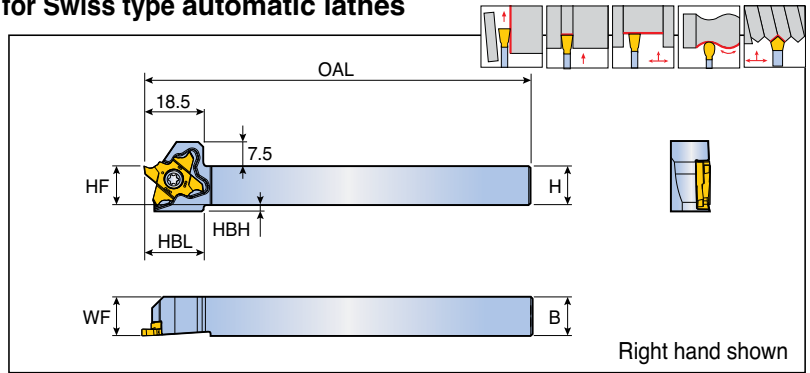
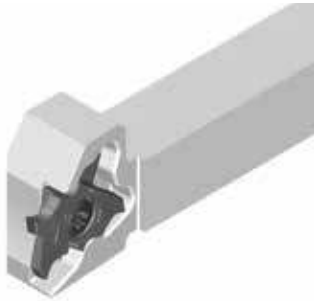
✓ Variety of inserts



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TQHR/L-20

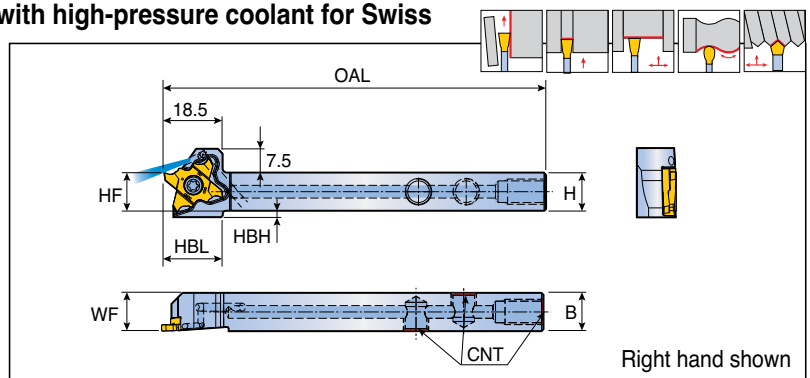
Grooving and turning holders for Swiss type automatic lathes



Designation	Dimension (mm)							Insert
	H	HF	B	WF	OAL	HBL	HBH	
TQHR/L 10-20	10	10	10	10	120	18.5	4	TQS 20
12-20	12	12	12	12	120	18.5	2	TQJ 20
16-20	16	16	16	16	120	-	-	
20-20	20	20	20	20	120	-	-	

TQHR/L-20-TB

Grooving and turning holders with high-pressure coolant for Swiss type automatic lathes



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	TQS 20
16-20-TB	16	16	16	16	120	-	-	UNF 5/16	TQJ 20
20-20-TB	20	20	20	20	120	-	-	G 1/8	

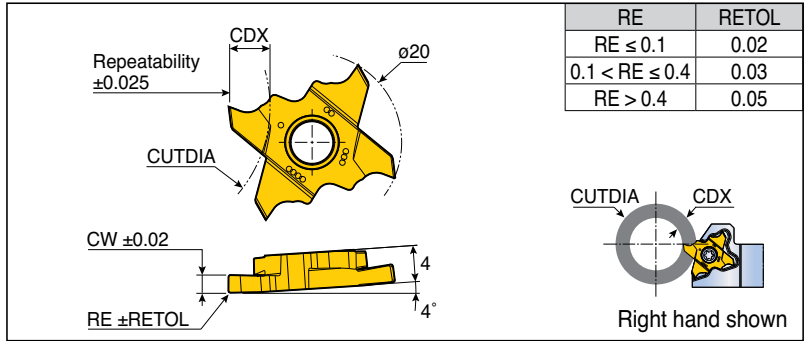
Spare parts

Designation	Screw	Plug	Wrench	
TQHR/L...20		-	T-1508/5	-
TQHR/L 12/16-20-TB	TS 40A100L ⁽¹⁾ TS 40A100 ⁽²⁾	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

• ⁽¹⁾ For TQHR • ⁽²⁾ For TQHL

TQS 20

Parting and grooving precise inserts with ground chip breaker



Designation	Feed (mm/rev)	CW	RE	CDX	CUTDIA						Grade
					CDX ≤ 2.2	CDX ≤ 2.7	CDX ≤ 3.5	CDX ≤ 4.0	CDX ≤ 4.5	CDX ≤ 5.0	
TQS 20-0.50-0.05-R/L	0.03-0.07	0.50	0.05	2.2	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	●
20-2.00-1.00-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	●

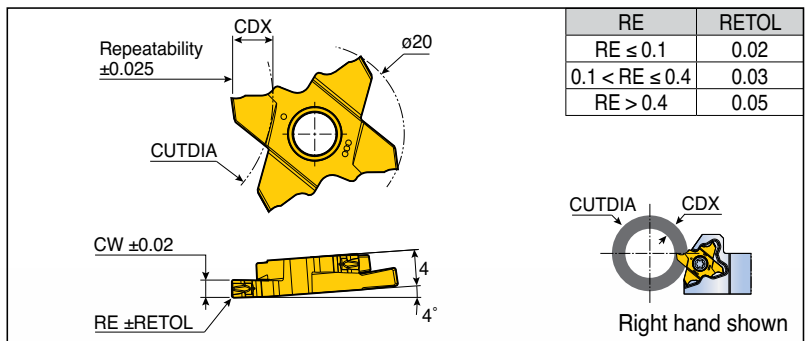
● N.L.: No limit

● *: Full radius insert

●: Standard items

TQJ 20

Parting and grooving precise inserts with J-Type chip breaker



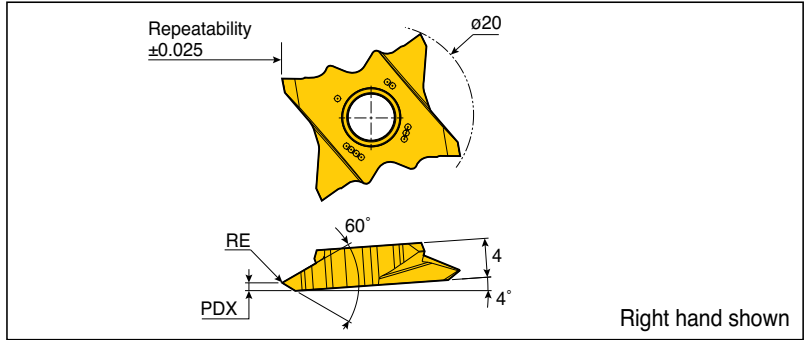
Designation	Feed (mm/rev)	CW	RE	CDX	CUTDIA					Grade
					CDX ≤ 2.7	CDX ≤ 3.5	CDX ≤ 4.0	CDX ≤ 4.5	CDX ≤ 5.0	
TQJ 20-1.00-0.10-R/L	0.03-0.07	1.00	0.10	2.7	N.L.	-	-	-	-	●
20-1.50-0.20-R/L	0.03-0.08	1.50	0.20	5.0	N.L.	70	50	30	16	●
20-2.00-0.20-R/L	0.04-0.10	2.00	0.20	5.0	N.L.	70	50	30	16	●

● N.L.: No limit

●: 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	●

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

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

- Standard items



QUADIRUSH

INTERNAL GROOVING

Small Size Internal Grooving Insert with 4 Cutting Edges



✓ Economical insert



✓ Rigid clamping structure



✓ Variety of insert sizes



✓ Good chip evacuation

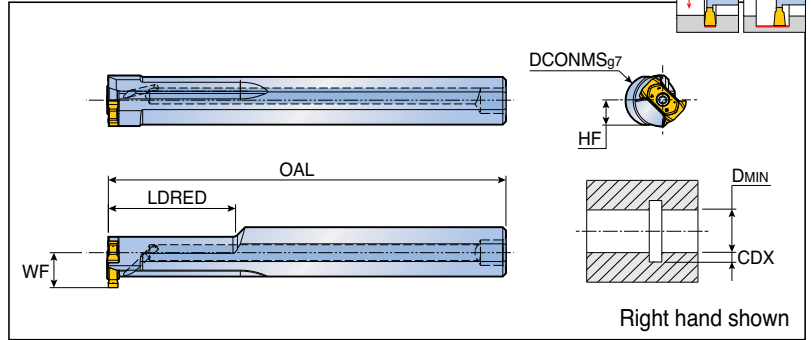


✓ Easy to use

TQHIR/L



Internal grooving holders with coolant hole



Designation	Dimension (mm)						Insert
	DCONMS	OAL	LDRED	WF	DMIN	HF	
TQHIR/L 16-16.5-14	16	125	40	11	16.5	7.5	TQIS 14
20-16.5-14	20	125	40	13	16.5	9	

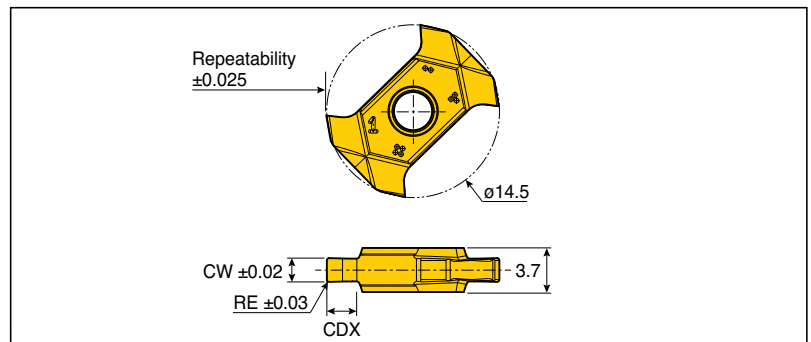
Spare parts

Designation	Screw	Wrench	Seal	
	TQHIR/L 16	TS 25075I/HG	T 8	PL 16
TQHIR/L 20	TS 25075I/HG	T 8	PL 20	

TQIS 14



4 cutting edge inserts for internal shallow grooving



Designation	Feed (mm/rev)	Dimension (mm)			Grade
		CW	RE	CDX	TT9080
TQIS 14-1.50-0.10	0.02-0.07	1.50	0.10	2.00	●
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



MINIRUSH

INTERNAL GROOVING

Mini Indexable Insert for Internal Shallow Grooving



✓ Very small insert for miniature industry

✓ Secure and unique clamping structure

✓ Precision ground insert for finishing

✓ Good chip evacuation

✓ Internal coolant

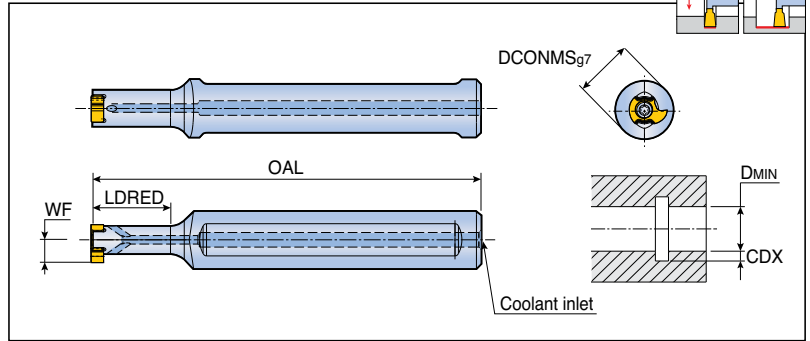


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TMIHN



Internal grooving holders with coolant hole

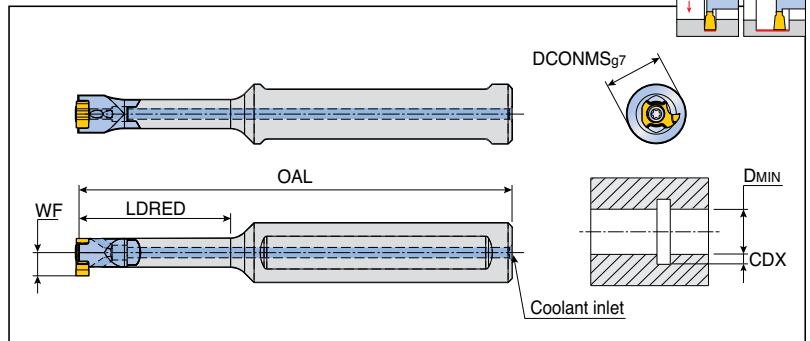


Designation	Dimension (mm)					Coolant inlet	Insert
	DCONMS	OAL	LDRED	WF	DMIN		
TMIHN 12-16-8	12	80	16	4.7	8	Ø3	TMIS 8

TMIHN -C



Internal grooving carbide holders with coolant hole



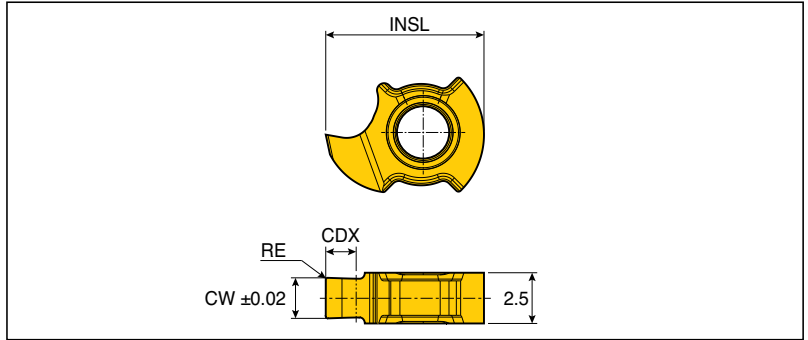
Designation	Dimension (mm)					Coolant inlet	Insert
	DCONMS	OAL	LDRED	WF	DMIN		
TMIHN 12C-24-8	12	92	24	4.7	8	Ø2	TMIS 8
12C-32-8	12	100	32	4.7	8	Ø2	

Spare parts

Designation	Screw	Wrench		
TMIHN	TS 220521/HG	T 7		
TMIHN -C	TS 220521/HG	T 7		

TMIS 8

Precise inserts for internal shallow grooving



Designation	Feed (mm/rev)	Dimension (mm)				Grade
		CW	RE	CDX	INSL	TT4430
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	●

●: Standard items



T-CLAMP

PARTING & GROOVING

High Feed CBN Inserts for Hardened Materials



✓ High feed turning



✓ Good surface finish



✓ For hardened materials

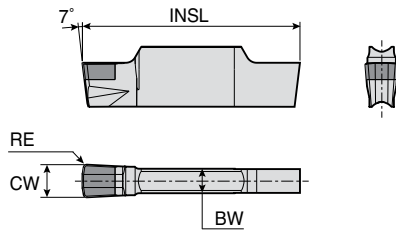


✓ Mounted on standard holders



TSG-HF

CBN inserts for high feed turning



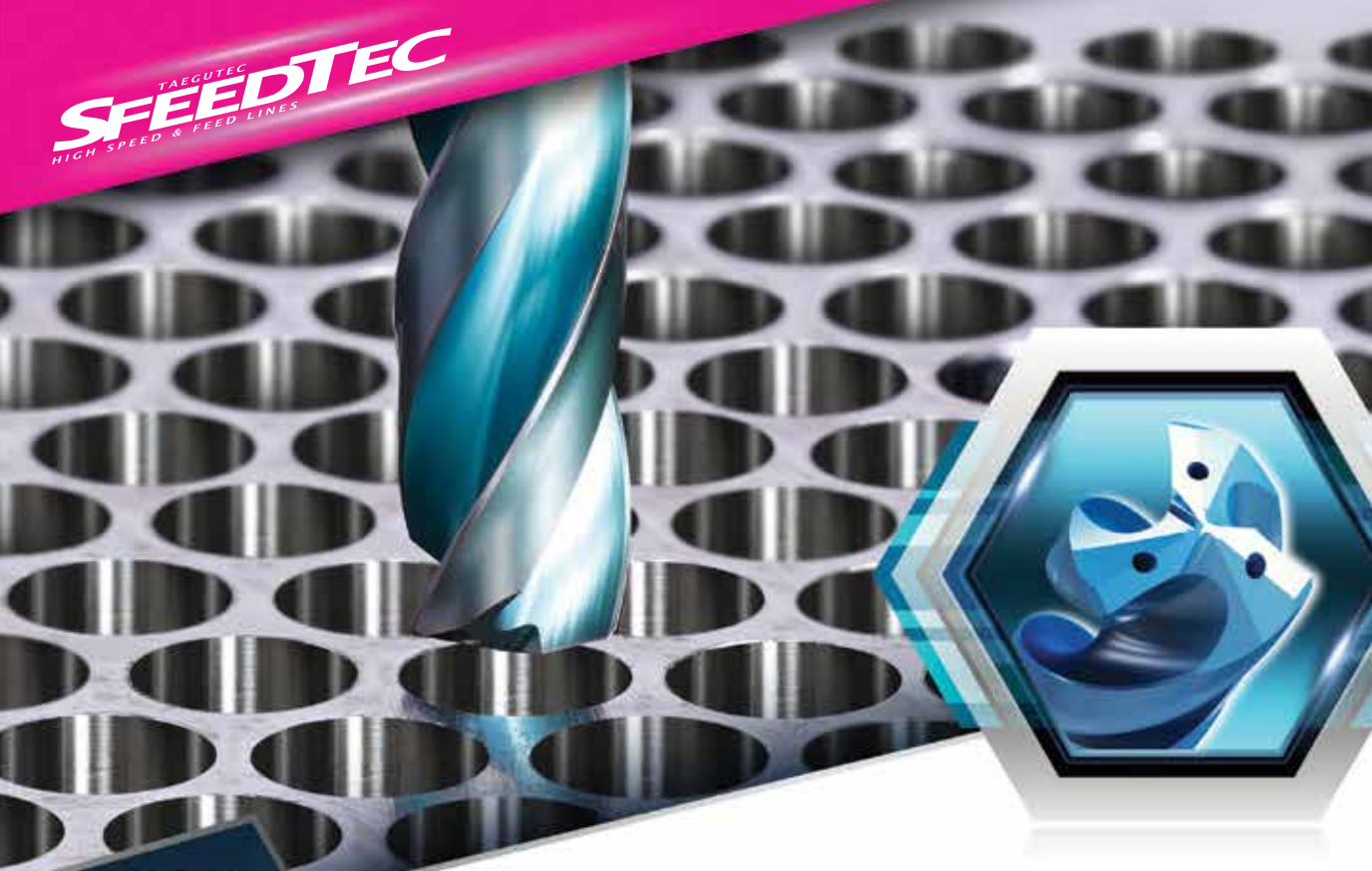
Size	Dimension (mm)				
	CW	RE	BW	INSL	
3	3.0	0.3	2.2	20	
5	5.0	0.3	4.0	25	

Insert	Designation	Insert seat size	ap (mm)	Feed (mm/rev)	CBN
					TB2015
	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	●

●: Standard items

TAEGUTEC
SPEEDDRILL
HIGH SPEED & FEED DRILLING





SOLID³DRILL

3 FLUTE

High Productivity Solid Carbide Drill with Triple Cutting Edges



✓ High productivity with triple cutting edges

✓ Excellent self-centering capability

✓ Premium hole quality

✓ Long and stable tool life

✓ Smooth chip evacuation with polished flutes



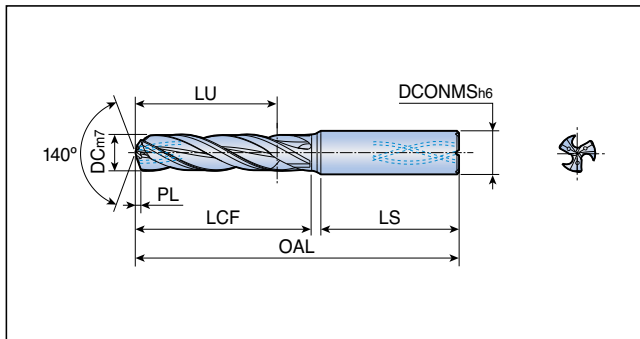
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3HD...PI3

3 flute solid carbide drills with oil holes



• Drilling depth: 3xdiameter



Designation	Dimension (mm)							Grade
	DC	DCONMS	OAL	LU	LCF	LS	PL	TT5130
3HD 040-017-06 PI3	4.0	6.0	66	17	25	35	0.82	●
045-017-06 PI3	4.5	6.0	66	17	25	35	0.88	●
050-020-06 PI3	5.0	6.0	66	20	29	36	0.96	●
051-020-06 PI3	5.1	6.0	66	20	29	36	0.98	●
055-020-06 PI3	5.5	6.0	66	20	29	36	1.08	●
060-020-06 PI3	6.0	6.0	66	20	29	36	1.17	●
065-024-08 PI3	6.5	8.0	79	24	35	36	1.26	●
068-024-08 PI3	6.8	8.0	79	24	35	36	1.31	●
070-024-08 PI3	7.0	8.0	79	24	35	36	1.35	●
075-029-08 PI3	7.5	8.0	79	29	42	36	1.40	●
080-029-08 PI3	8.0	8.0	79	29	42	36	1.49	●
085-035-10 PI3	8.5	10.0	89	35	48	40	1.63	●
086-035-10 PI3	8.6	10.0	89	35	48	40	1.65	●
090-035-10 PI3	9.0	10.0	89	35	48	40	1.72	●
095-035-10 PI3	9.5	10.0	89	35	48	40	1.75	●
100-035-10 PI3	10.0	10.0	89	35	48	40	1.85	●
103-040-12 PI3	10.3	12.0	102	40	55	45	1.94	●
105-040-12 PI3	10.5	12.0	102	40	55	45	1.98	●
110-040-12 PI3	11.0	12.0	102	40	55	45	2.07	●
115-040-12 PI3	11.5	12.0	102	40	56	45	2.12	●
120-040-12 PI3	12.0	12.0	102	40	56	45	2.21	●

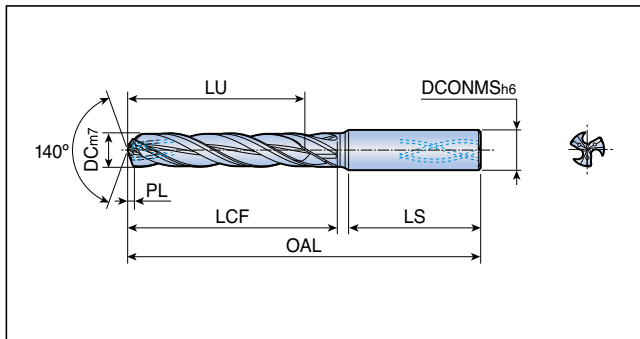
●: Standard items

3HD...PI5

3 flute solid carbide drills with oil holes



• Drilling depth: 5xdiameter



Designation	Dimension (mm)							Grade
	DC	DCONMS	OAL	LU	LCF	LS	PL	TT5130
3HD 040-029-06 PI5	4.0	6.0	74	29	37	35	0.82	●
045-029-06 PI5	4.5	6.0	74	29	37	35	0.88	●
050-035-06 PI5	5.0	6.0	82	35	45	36	0.96	●
051-035-06 PI5	5.1	6.0	82	35	45	36	0.98	●
055-035-06 PI5	5.5	6.0	82	35	45	36	1.08	●
060-035-06 PI5	6.0	6.0	82	35	45	36	1.17	●
065-043-08 PI5	6.5	8.0	91	43	54	36	1.26	●
068-043-08 PI5	6.8	8.0	91	43	54	36	1.31	●
070-043-08 PI5	7.0	8.0	91	43	54	36	1.35	●
075-043-08 PI5	7.5	8.0	91	43	54	36	1.40	●
080-043-08 PI5	8.0	8.0	91	43	54	36	1.49	●
085-049-10 PI5	8.5	10.0	103	49	62	40	1.63	●
086-049-10 PI5	8.6	10.0	103	49	62	40	1.65	●
090-049-10 PI5	9.0	10.0	103	49	62	40	1.72	●
095-049-10 PI5	9.5	10.0	103	49	62	40	1.75	●
100-049-10 PI5	10.0	10.0	103	49	62	40	1.85	●
103-056-12 PI5	10.3	12.0	118	56	71	45	1.94	●
105-056-12 PI5	10.5	12.0	118	56	71	45	1.98	●
110-056-12 PI5	11.0	12.0	118	56	71	45	2.07	●
115-056-12 PI5	11.5	12.0	118	56	72	45	2.12	●
120-056-12 PI5	12.0	12.0	118	56	72	45	2.21	●

●: Standard items



DRILLSFEED

INDEXABLE 3 FLUTE

Head Changeable 3 Flute Drill for Higher Productivity



✓ Unique geometry for self-centering

✓ High productivity with triple cutting edges

✓ Excellent hole accuracy

✓ No set-up time and user-friendly clamping

✓ New coating grade with shiny blue color



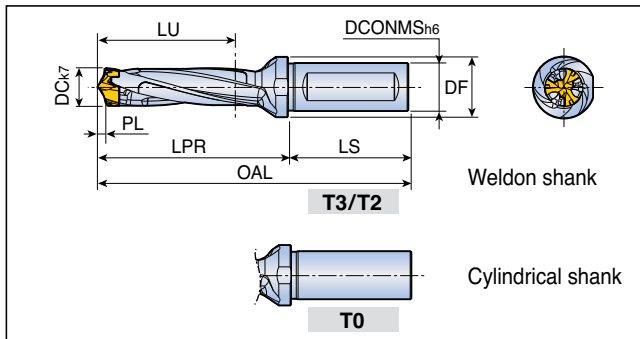
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3ED...T...-3D

Head changeable 3 flute drill holders



- Drilling depth: 3xdiameter



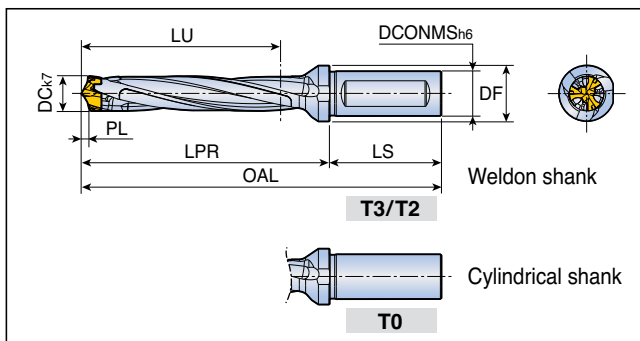
Designation	Dimension (mm)								Clamping key
	DC	DCONMS	DF	LU	LPR	LS	PL	SSC	
3ED 160-169-20T3/T0-3D	16.0-16.9	20	25	52	79.0	50	3.70	16	K 3ED D16-D17
170-179-20T3/T0-3D	17.0-17.9	20	25	55	84.0	50	3.88	17	K 3ED D16-D17
180-189-25T2/T0-3D	18.0-18.9	25	32	58	90.1	56	4.07	18	K 3ED D18-D19
190-199-25T2/T0-3D	19.0-19.9	25	32	61	94.7	56	4.26	19	K 3ED D18-D19
200-209-25T2/T0-3D	20.0-20.9	25	32	64	99.3	56	4.44	20	K 3ED D20-D21

3ED...T...-5D

Head changeable 3 flute drill holders



- Drilling depth: 5xdiameter

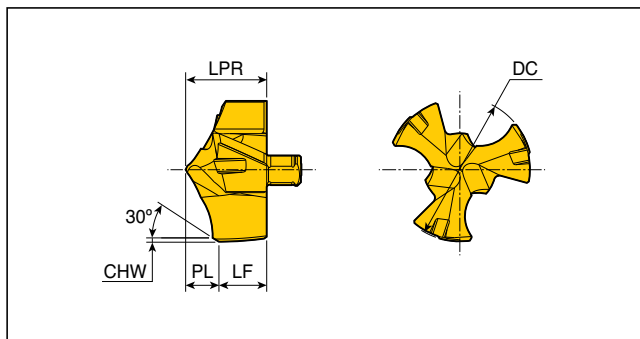


Designation	Dimension (mm)								Clamping key
	DC	DCONMS	DF	LU	LPR	LS	PL	SSC	
3ED 160-169-20T3/T0-5D	16.0-16.9	20	25	84	111.0	50	3.70	16	K 3ED D16-D17
170-179-20T3/T0-5D	17.0-17.9	20	25	89	118.0	50	3.88	17	K 3ED D16-D17
180-189-25T2/T0-5D	18.0-18.9	25	32	94	126.1	56	4.07	18	K 3ED D18-D19
190-199-25T2/T0-5D	19.0-19.9	25	32	99	132.7	56	4.26	19	K 3ED D18-D19
200-209-25T2/T0-5D	20.0-20.9	25	32	104	139.3	56	4.44	20	K 3ED D20-D21

- OAL= LPR+LS
- SSC: Seat size code

3ED...-P+

3 flute drill heads



Designation	Dimension (mm)						Grade
	DC	LPR	PL	LF	CHW	SSC	TT5130
3ED- 160-P+	16.0	9.00	3.70	5.30	0.40	16	●
165-P+	16.5	9.00	3.71	5.29	0.40	16	●
170-P+	17.0	9.50	3.88	5.62	0.40	17	●
175-P+	17.5	9.50	3.89	5.61	0.40	17	●
180-P+	18.0	10.10	4.07	6.03	0.40	18	●
185-P+	18.5	10.10	4.08	6.02	0.40	18	●
190-P+	19.0	10.70	4.26	6.44	0.40	19	●
195-P+	19.5	10.70	4.27	6.43	0.40	19	●
200-P+	20.0	11.30	4.44	6.86	0.40	20	●
205-P+	20.5	11.30	4.45	6.85	0.40	20	●

● SSC: Seat size code

●: Standard items



DRILL RUSH

RUSH 2 FLUTE

**Self-Centering Drill Head with
Unique Point Design**



✓ Excellent self-centering capability



✓ Premium hole quality



✓ High productivity without pilot drilling

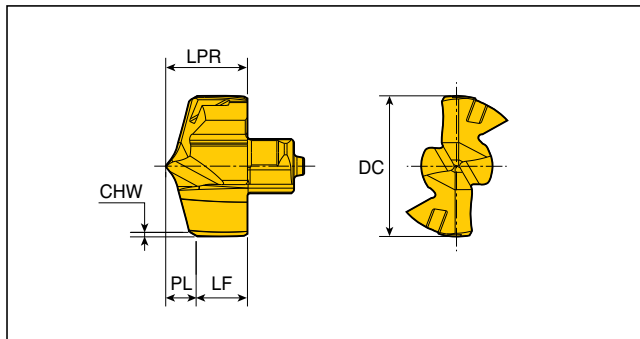


✓ Reinforced cutting edge



TCD-P+

Self-centering drill heads



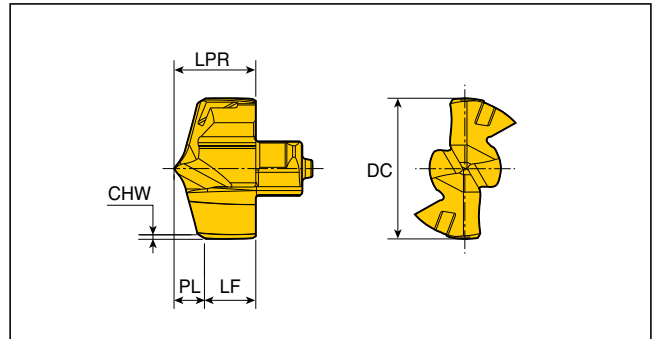
Designation	Dimension (mm)						Grade
	DC	LPR	PL	LF	CHW	SSC	TT9080
TCD-060-P+	6.0	4.00	1.46	2.54	0.27	6	●
065-P+	6.5	4.30	1.55	2.75	0.27	6.5	●
068-P+	6.8	4.30	1.55	2.75	0.27	6.5	●
070-P+	7.0	4.60	1.64	2.96	0.27	7	●
075-P+	7.5	4.60	1.64	2.96	0.27	7	●
080-P+	8.0	5.40	1.81	3.59	0.27	8	●
085-P+	8.5	5.40	1.81	3.59	0.27	8	●
086-P+	8.6	5.40	1.81	3.59	0.27	8	●
090-P+	9.0	5.80	1.98	3.82	0.27	9	●
095-P+	9.5	5.80	1.98	3.82	0.27	9	●
099-P+	9.9	5.80	1.98	3.82	0.27	9	●
100-P+	10.0	6.20	2.33	3.87	0.38	10	●
102-P+	10.2	6.20	2.33	3.87	0.38	10	●
103-P+	10.3	6.20	2.33	3.87	0.38	10	●
105-P+	10.5	6.20	2.33	3.87	0.38	10	●
107-P+	10.7	6.20	2.33	3.87	0.38	10	●
108-P+	10.8	6.20	2.33	3.87	0.38	10	●
110-P+	11.0	6.60	2.50	4.10	0.38	11	●
111-P+	11.1	6.60	2.50	4.10	0.38	11	●
115-P+	11.5	6.60	2.50	4.10	0.38	11	●
120-P+	12.0	7.00	2.67	4.33	0.38	12	●
123-P+	12.3	7.00	2.67	4.33	0.38	12	●
125-P+	12.5	7.00	2.67	4.33	0.38	12	●
126-P+	12.6	7.00	2.67	4.33	0.38	12	●
127-P+	12.7	7.00	2.67	4.33	0.38	12	●
130-P+	13.0	7.60	2.85	4.75	0.38	13	●
135-P+	13.5	7.60	2.85	4.75	0.38	13	●
140-P+	14.0	8.15	3.02	5.13	0.38	14	●
141-P+	14.1	8.15	3.02	5.13	0.38	14	●
142-P+	14.2	8.15	3.02	5.13	0.38	14	●
143-P+	14.3	8.15	3.02	5.13	0.38	14	●
145-P+	14.5	8.15	3.02	5.13	0.38	14	●
146-P+	14.6	8.15	3.02	5.13	0.38	14	●
150-P+	15.0	8.73	3.19	5.54	0.38	15	●

● SSC: Seat size code

●: Standard items

TCD-P+

Self-centering drill heads



Designation	Dimension (mm)						Grade
	DC	LPR	PL	LF	CHW	SSC	
TCD-151-P+	15.1	8.73	3.19	5.54	0.38	15	●
152-P+	15.2	8.73	3.19	5.54	0.38	15	●
155-P+	15.5	8.73	3.19	5.54	0.38	15	●
159-P+	15.9	8.73	3.19	5.54	0.38	15	●
160-P+	16.0	9.30	3.46	5.84	0.44	16	●
161-P+	16.1	9.30	3.46	5.84	0.44	16	●
163-P+	16.3	9.30	3.46	5.84	0.44	16	●
164-P+	16.4	9.30	3.46	5.84	0.44	16	●
165-P+	16.5	9.30	3.46	5.84	0.44	16	●
167-P+	16.7	9.30	3.46	5.84	0.44	16	●
170-P+	17.0	9.90	3.63	6.27	0.44	17	●
173-P+	17.3	9.90	3.63	6.27	0.44	17	●
175-P+	17.5	9.90	3.63	6.27	0.44	17	●
180-P+	18.0	10.50	3.81	6.69	0.44	18	●
185-P+	18.5	10.50	3.81	6.69	0.44	18	●
190-P+	19.0	11.00	3.98	7.02	0.44	19	●
192-P+	19.2	11.00	3.98	7.02	0.44	19	●
193-P+	19.3	11.00	3.98	7.02	0.44	19	●
194-P+	19.4	11.00	3.98	7.02	0.44	19	●
195-P+	19.5	11.00	3.98	7.02	0.44	19	●
200-P+	20.0	11.60	4.15	7.45	0.44	20	●
205-P+	20.5	11.60	4.15	7.45	0.44	20	●
206-P+	20.6	11.60	4.15	7.45	0.44	20	●
210-P+	21.0	12.18	4.32	7.86	0.44	21	●
215-P+	21.5	12.18	4.32	7.86	0.44	21	●
220-P+	22.0	12.76	4.50	8.26	0.44	22	●
222-P+	22.2	12.76	4.50	8.26	0.44	22	●
225-P+	22.5	12.76	4.50	8.26	0.44	22	●
230-P+	23.0	13.33	4.67	8.66	0.44	23	●
235-P+	23.5	13.33	4.67	8.66	0.44	23	●
240-P+	24.0	13.90	4.84	9.06	0.44	24	●
245-P+	24.5	13.90	4.84	9.06	0.44	24	●
250-P+	25.0	14.50	5.01	9.49	0.44	25	●
255-P+	25.5	14.50	5.01	9.49	0.44	25	●
259-P+	25.9	14.50	5.01	9.49	0.44	25	●

● SSC: Seat size code

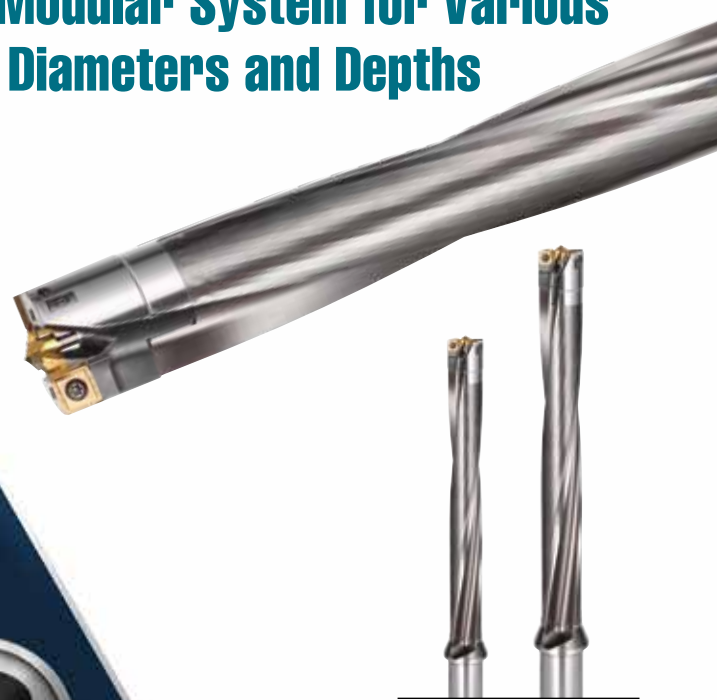
●: Standard items



MODURDRILL

MODULAR RUSH

**Unique Modular System for Various
Drilling Diameters and Depths**



✓ Economical solution
with modular
system

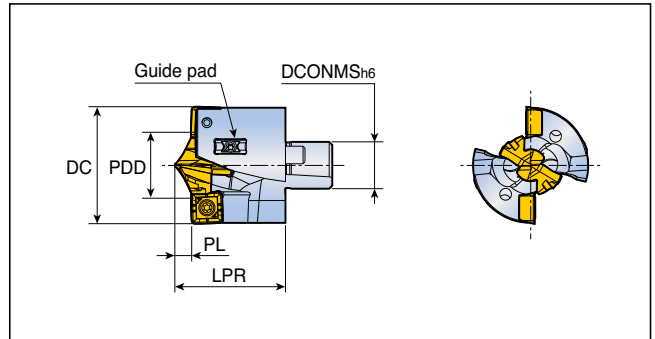
✓ Double effective
design for higher
productivity

✓ Good positioning
and hole straightness

✓ User-friendly
modular clamping system

✓ Smooth chip evacuation

Modular drill heads



Designation	Dimension (mm)					Clamping Key	Insert	
	DC	DCONMS	LPR	PL	PDD		Center	Outer
TNDH 2600-C26-TP	26	10.4	24.9	3.98	15.9	K TCD D15-CO	TCD-159-P-CO+	SPGX 06...DW
2700-C26-TP	27	10.4	25.4	4.14	16.9	K TCD D16-CO	TCD-169-P-CO+	SPGX 06...DW
2800-C28-TP	28	11.2	26.9	4.29	17.9	K TCD D17-CO	TCD-179-P-CO+	SPGX 06...DW
2900-C28-TP	29	11.2	26.6	3.97	15.9	K TCD D15-CO	TCD-159-P-CO+	SPGX 07...DW
3000-C30-TP	30	12.0	28.3	4.14	16.9	K TCD D16-CO	TCD-169-P-CO+	SPGX 07...DW
3100-C30-TP	31	12.0	28.5	4.30	17.9	K TCD D17-CO	TCD-179-P-CO+	SPGX 07...DW
3200-C32-TP	32	12.8	30.3	4.46	18.9	K TCD D18-CO	TCD-189-P-CO+	SPGX 07...DW
3300-C32-TP	33	12.8	29.8	3.97	15.9	K TCD D15-CO	TCD-159-P-CO+	SPGX 09...DW
3400-C34-TP	34	13.6	31.6	4.14	16.9	K TCD D16-CO	TCD-169-P-CO+	SPGX 09...DW
3500-C34-TP	35	13.6	31.8	4.30	17.9	K TCD D17-CO	TCD-179-P-CO+	SPGX 09...DW
3600-C36-TP	36	14.4	33.5	4.46	18.9	K TCD D18-CO	TCD-189-P-CO+	SPGX 09...DW
3700-C36-TP	37	14.4	33.3	4.14	16.9	K TCD D16-CO	TCD-169-P-CO+	SPGX 11...DW
3800-C38-TP	38	15.2	35.0	4.30	17.9	K TCD D17-CO	TCD-179-P-CO+	SPGX 11...DW
3900-C38-TP	39	15.2	35.2	4.46	18.9	K TCD D18-CO	TCD-189-P-CO+	SPGX 11...DW
4000-C40-TP	40	16.0	36.9	4.62	19.9	K TCD D19-CO	TCD-199-P-CO+	SPGX 11...DW
4100-C40-TP	41	16.0	37.1	4.78	20.9	K TCD D20-CO	TCD-209-P-CO+	SPGX 11...DW
4200-C42-TP	42	16.8	38.9	4.95	21.9	K TCD D21-CO	TCD-219-P-CO+	SPGX 11...DW
4300-C42-TP	43	16.8	38.9	5.11	22.9	K TCD D22-CO	TCD-229-P-CO+	SPGX 11...DW
4400-C44-TP	44	17.6	40.8	5.28	23.9	K TCD D23-CO	TCD-239-P-CO+	SPGX 11...DW
4500-C44-TP	45	17.6	41.0	5.44	24.9	K TCD D24-CO	TCD-249-P-CO+	SPGX 11...DW
4600-C46-TP	46	18.4	42.2	4.95	21.9	K TCD D21-CO	TCD-219-P-CO+	SPGX 14...DW
4700-C46-TP	47	18.4	42.3	5.11	22.9	K TCD D22-CO	TCD-229-P-CO+	SPGX 14...DW
4800-C48-TP	48	19.2	44.0	5.28	23.9	K TCD D23-CO	TCD-239-P-CO+	SPGX 14...DW
4900-C48-TP	49	19.2	44.3	5.44	24.9	K TCD D24-CO	TCD-249-P-CO+	SPGX 14...DW
5000-C48-TP	50	19.2	46.0	5.61	25.9	K TCD D25-CO	TCD-259-P-CO+	SPGX 14...DW

• DCONMS: Holder connection size

Spare parts

Designation	For double pitch screw		For SPGX		For Guide pad	
	Screw1	Wrench1	Screw2	Wrench2	Screw3	Wrench3
TNDH 2600-2800	TDPS 0512-W2.0	F-W2.0	TS 22052I/HG	TD 7	TS 20043I/HG-P	TD 6P
TNDH 2900-3200	TDPS 0512-W2.0	F-W2.0	TS 25064I	TD 8	TS 20043I/HG-P	TD 6P
TNDH 3300-3500	TDPS 0512-W2.0	F-W2.0	TS 35088I	TD 10	TS 20043I/HG-P	TD 6P
TNDH 3600	TDPS 0618-W2.5	F-W2.5	TS 35088I	TD 10	TS 20043I/HG-P	TD 6P
TNDH 3700-4300	TDPS 0618-W2.5	F-W2.5	TS 40093I	TD 15	TS 20043I/HG-P	TD 6P
TNDH 4400-4500	TDPS 0722-W3.0	F-W3.0	TS 40093I	TD 15	TS 20043I/HG-P	TD 6P
TNDH 4600-5000	TDPS 0722-W3.0	F-W3.0	SO 50090I	TD 20	TS 20043I/HG-P	TD 6P

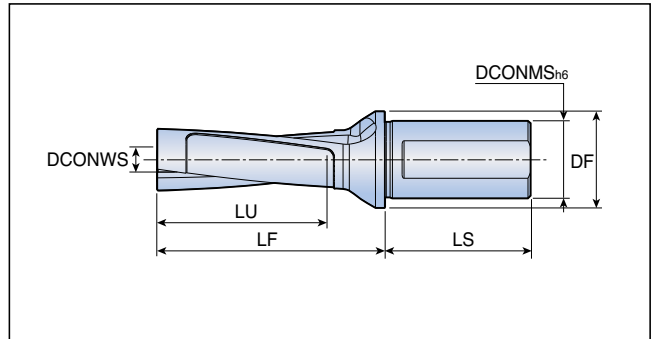
• Guide pad is sold separately.

MDB...T2-3/5

Modular drill holders - Weldon type shank



- Drilling depths: 3, 5xdiameter



3xD


Designation	Dimension (mm)						
	DC	DCONWS	DCONMS	DF	LU	LF	LS
MDB D26/27-081-32T2-C26-3	26-27	10.4	32	40	60	94.3	60
D28/29-087-32T2-C28-3	28-29	11.2	32	40	64	100.5	60
D30/31-093-32T2-C30-3	30-31	12.0	32	40	69	105.5	60
D32/33-099-32T2-C32-3	32-33	12.8	32	40	73	111.7	60
D34/35-105-40T2-C34-3	34-35	13.6	40	50	78	120.2	68
D36/37-111-40T2-C36-3	36-37	14.4	40	50	82	126.5	68
D38/39-117-40T2-C38-3	38-39	15.2	40	50	86	131.4	68
D40/41-123-40T2-C40-3	40-41	16.0	40	50	91	137.6	68
D42/43-129-40T2-C42-3	42-43	16.8	40	50	95	143.8	68
D44/45-135-40T2-C44-3	44-45	17.6	40	50	99	150.0	68
D46/47-141-50T2-C46-3	46-47	18.4	50	60	104	154.5	80
D48/50-150-50T2-C48-3	48-50	19.2	50	60	111	160.9	80

5xD

Designation	Dimension (mm)						
	DC	DCONWS	DCONMS	DF	LU	LF	LS
MDB D26/27-135-32T2-C26-5	26-27	10.4	32	40	114	148.3	60
D28/29-145-32T2-C28-5	28-29	11.2	32	40	122	158.5	60
D30/31-155-32T2-C30-5	30-31	12.0	32	40	131	167.5	60
D32/33-165-32T2-C32-5	32-33	12.8	32	40	139	177.7	60
D34/35-175-40T2-C34-5	34-35	13.6	40	50	148	190.2	68
D36/37-185-40T2-C36-5	36-37	14.4	40	50	156	200.5	68
D38/39-195-40T2-C38-5	38-39	15.2	40	50	164	209.4	68
D40/41-205-40T2-C40-5	40-41	16.0	40	50	173	219.6	68
D42/43-215-40T2-C42-5	42-43	16.8	40	50	181	229.8	68
D44/45-225-40T2-C44-5	44-45	17.6	40	50	189	240.0	68
D46/47-235-50T2-C46-5	46-47	18.4	50	60	198	248.5	80
D48/50-250-50T2-C48-5	48-50	19.2	50	60	211	258.9	80

- DC: Cutting diameter range
- DCONWS: Modular head connection size

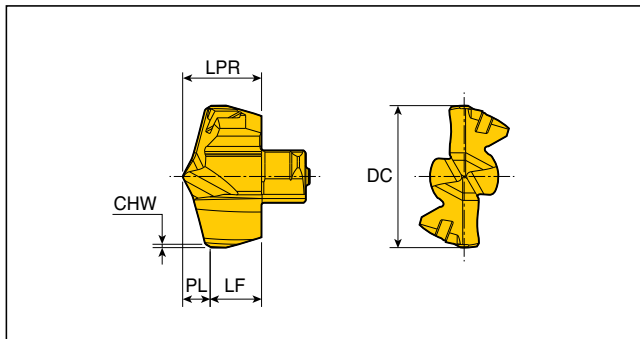
Spare parts

Designation	Wrench		Wrench handle 
	3xD	5xD	
MDB D26/27-D34/35	BLD H-W2.5x210	BLD H-W2.5x280	SW6-T-SH
MDB D36/37-D42/43	BLD H-W3.0x225	BLD H-W3.0x310	
MDB D44/45-D48/50	BLD H-W4.0x255	BLD H-W4.0x350	

- Wrench: Disassemble the modular head from the modular body (Insert from the rear shank)

TCD...P-CO+

Self-centering drill heads



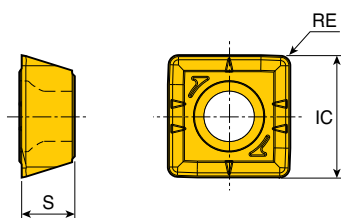
Designation	Dimension (mm)						Grade
	DC	LPR	PL	LF	CHW	SSC	TT9080
TCD-159-P-CO+	15.9	8.73	3.17	5.56	0.38	15	●
169-P-CO+	16.9	9.30	3.34	5.96	0.38	16	●
179-P-CO+	17.9	9.90	3.50	6.40	0.38	17	●
189-P-CO+	18.9	10.50	3.66	6.84	0.38	18	●
199-P-CO+	19.9	11.00	3.82	7.18	0.38	19	●
209-P-CO+	20.9	11.60	3.98	7.62	0.38	20	●
219-P-CO+	21.9	12.18	4.15	8.03	0.38	21	●
229-P-CO+	22.9	12.76	4.31	8.45	0.38	22	●
239-P-CO+	23.9	13.33	4.48	8.85	0.38	23	●
249-P-CO+	24.9	13.90	4.64	9.26	0.38	24	●
259-P-CO+	25.9	14.50	4.81	9.69	0.38	25	●

● SSC: Seat size code

● Standard items

SPGX...DW

Inserts



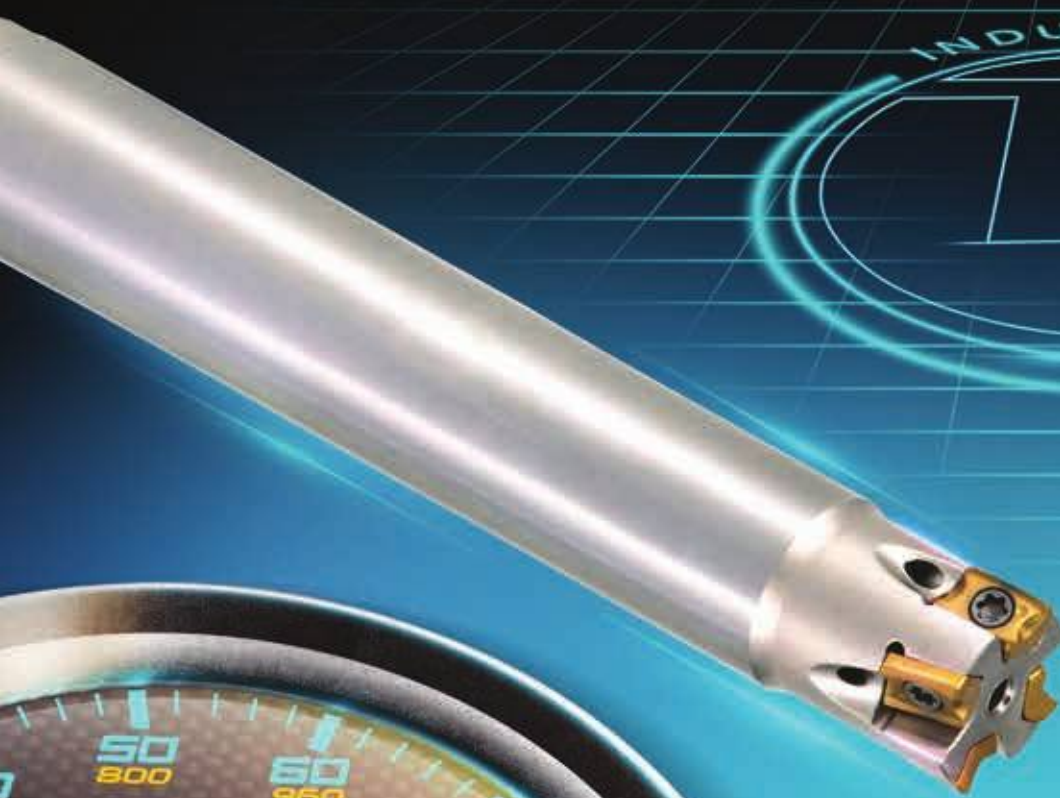
Size	Dimension (mm)			
	IC	S	RE	
06	6.07	2.38	0.4	
07	8.02	3.97	0.8	
09	9.91	4.30	0.8	
11	11.62	4.80	0.8	
14	14.41	5.20	1.2	

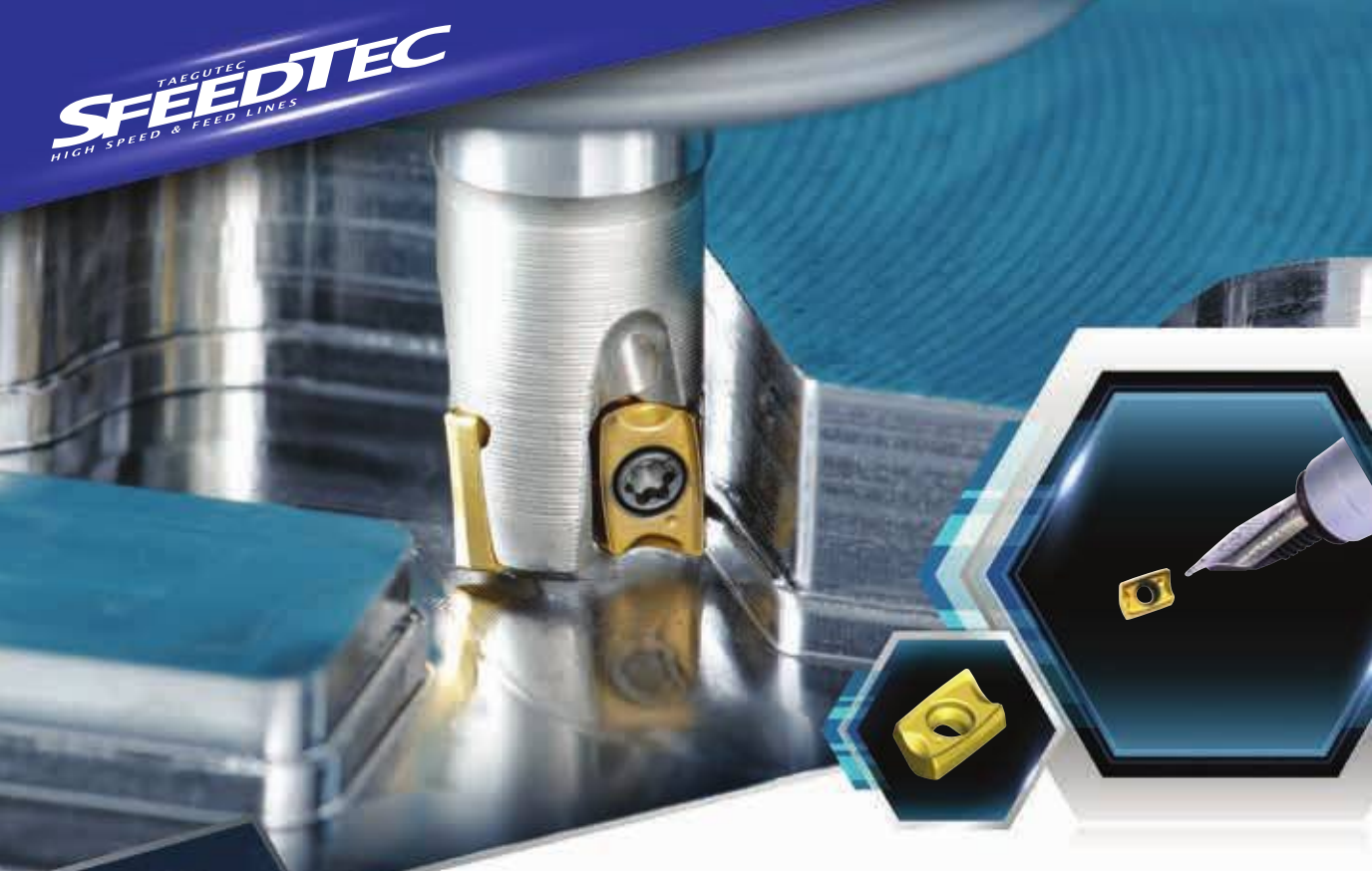
Insert	Designation	Coated					Uncoated	
		TT9080	TT8020	TT9300	TT9030	TT6030	TT7400	K10
	SPGX 060204 DW	●						
	07T308 DW	●						
	090408 DW	●						
	110408 DW	●						
	140512 DW	●						

● Standard items

TAEGUTEC
SPEEDMILL
HIGH SPEED & FEED MILLING

INDUSTRY 4.0





MILLSFEED

HIGH FEED MILL

Mini Sized 90° Shoulder Mill and High Feed Mill with Strong V-Shaped Insert

✓ Smallest insert



✓ V-Shaped insert



✓ High productivity with maximum No. of teeth



✓ High positive rake angle



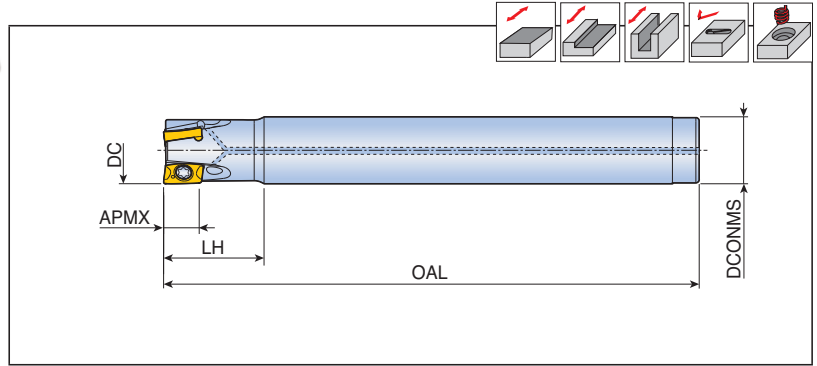
✓ High feed insert



2S-TE90CV-05



End mills



Designation		Dimension (mm)					Coolant	Insert
		DC	DCONMS	OAL	LH	APMX		
2S-TE90CV-106-06-05	1	6	6	60	12	5.0	●	CVK(H)T 0502...
208-08-05	2	8	8	80	12	5.0	●	
209-08-05	2	9	8	80	12	5.0	●	
310-10-05	3	10	10	80	15	5.0	●	
311-10-05	3	11	10	80	12	5.0	●	
412-12-05	4	12	12	80	15	5.0	●	
413-12-05	4	13	12	80	12	5.0	●	
414-12-05	4	14	12	80	10	5.0	●	

- Cutter body for 'HF' insert should be modified with body corner radius 1.8 mm

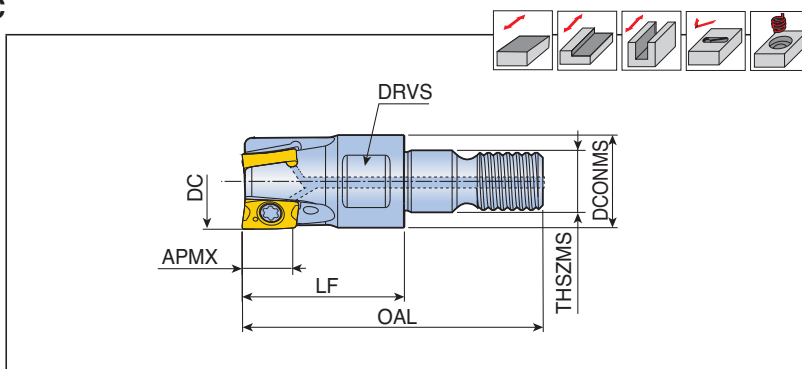
Spare parts

Designation	Screw	Wrench			
	2S-TE90CV-05	TS 18033/HG-P	TD 6P		

2S-TE90CV-M-05



Modular heads for T-FLEXTEC



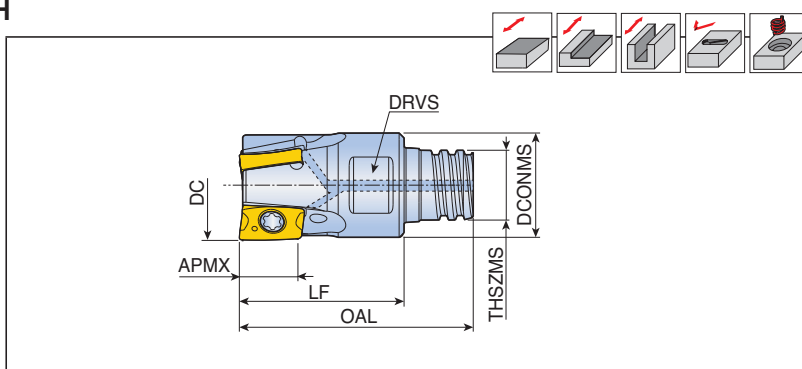
Designation		Dimension (mm)							Coolant	Insert
		DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS		
2S-TE90CV-310-M06-05	3	10	9.7	17	31.5	M06	5.0	8	●	CVK(H)T 0502...
412-M06-05	4	12	9.7	17	31.5	M06	5.0	8	●	

- Cutter body for '-HF' insert should be modified with body corner radius 1.8 mm
- Matched with T-FLEXTEC holder

2S-TE90CV-S-05



Modular heads for MAXI-RUSH



Designation		Dimension (mm)							Coolant	Insert
		DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS		
2S-TE90CV-310-S06-05	3	10	9.6	15	21.3	S06	5.0	8	●	CVK(H)T 0502...
412-S08-05	4	12	11.5	16	23.5	S08	5.0	10	●	

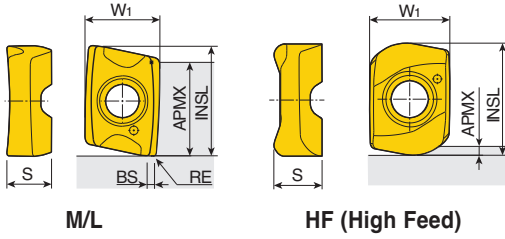
- Cutter body for '-HF' insert should be modified with body corner radius 1.8 mm
- Matched with MAXI-RUSH holder

Spare parts

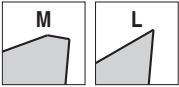
Designation	Screw	Wrench			
	2S-TE90CV-05	TS 18033/HG-P	TD 6P		

CVK(H)T

Inserts

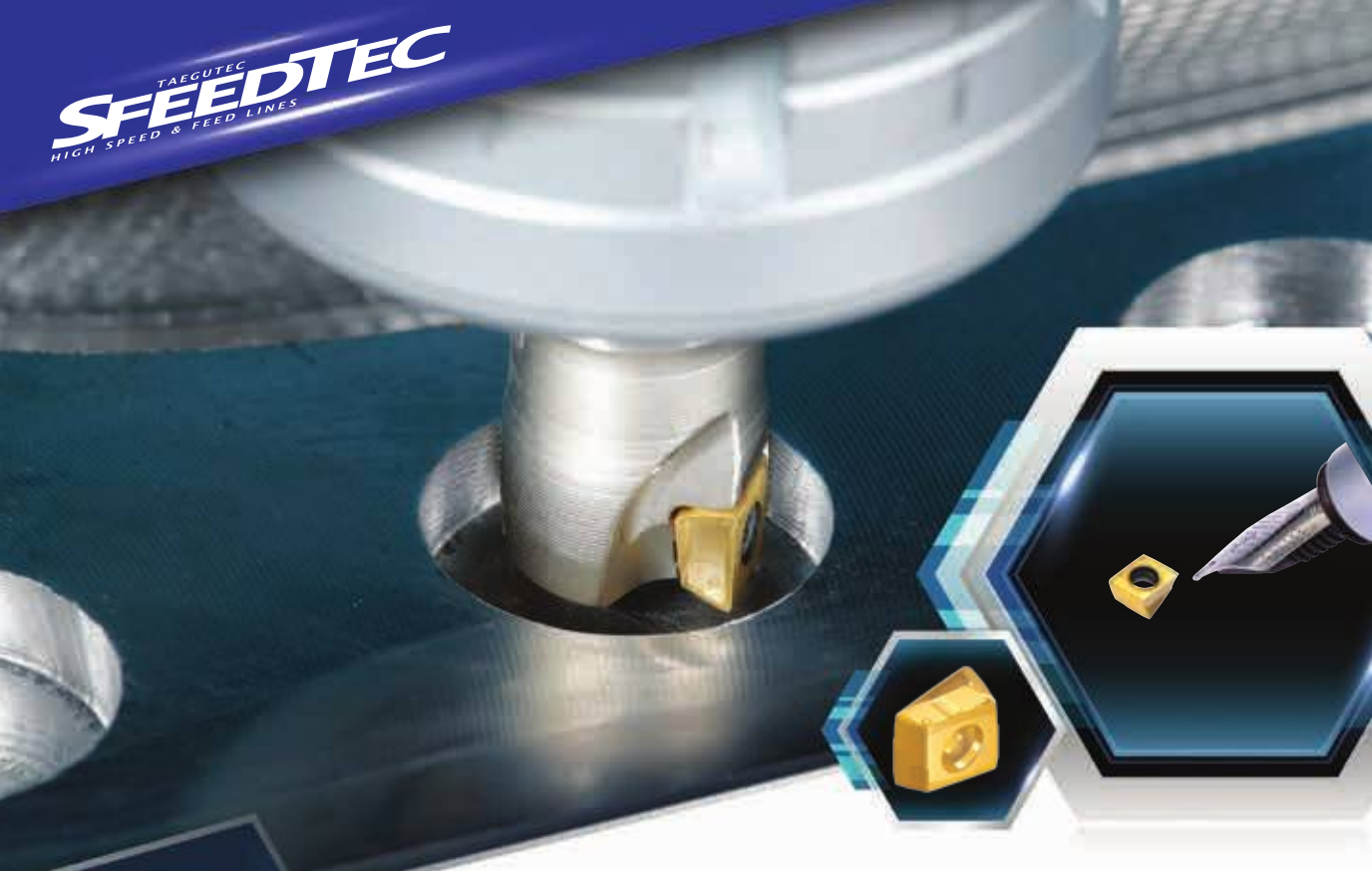


Size	Dimension (mm)					
	INSL	W ₁	S	APMX	BS	RE
05-M/L	6.3	4.2	2.6	5.0	0.35	0.2
05-HF	5.5	4.2	2.5	0.5	-	-



Insert	Designation	Recommended machining conditions		Coated							Uncoated				
		ap (mm)	Feed (mm/tooth)	TT9080	TT9030	TT8080	TT8020	TT8525	TT7080	TT7515	TT6080	TT5525	TT2510	K10	
	CVKT 0502PNR-M	0.5-4.0	0.08-0.04	●		●									
	CVHT 0502PNR-L	0.5-4.0	0.07-0.03	●		●					●				
	CVKT 0502R-HF	0.2-0.4	0.70-0.30	●		●						●			

●: Standard items



TANGSFEED

TANGENTIAL MILL

High Productivity Shoulder Mill with Strong Tangential Insert

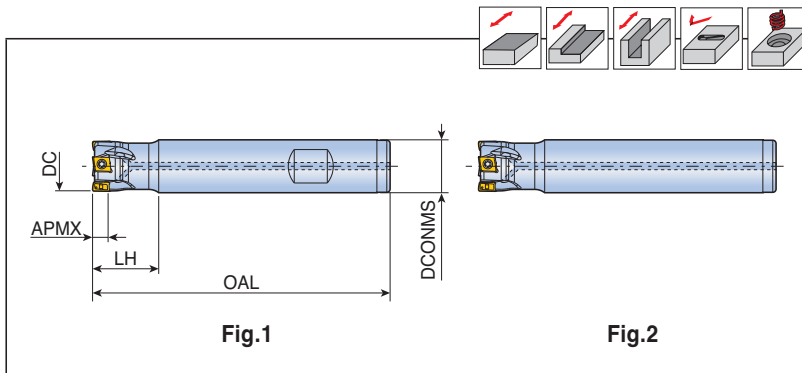
- ✓ Strong tangential insert
- ✓ High productivity due to ramping angle
- ✓ Strong tool body with large core
- ✓ High positive rake angle
- ✓ 90° shouldering



4T-TE90-05



End mills

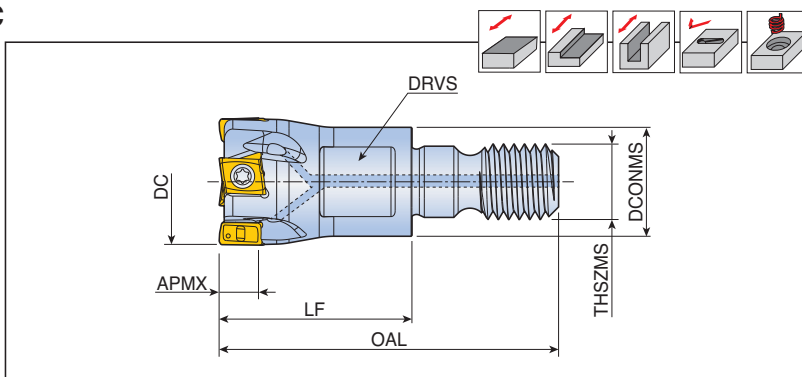


Designation	⊙	Dimension (mm)					Coolant	Fig.	Insert
		DC	DCONMS	OAL	LH	APMX			
4T-TE90-210-10-05	2	10	10	80	15	4.6	●	2	LPK(H)U 0502...
211-10-05	2	11	10	80	15	4.6	●	2	
212-12-05	2	12	12	80	15	4.6	●	2	
312-12-05	3	12	12	80	15	4.6	●	2	
313-12-05	3	13	12	80	15	4.6	●	2	
316-W16-05	3	16	16	90	20	4.6	●	1	
416-W16-05	4	16	16	90	20	4.6	●	1	
420-W20-05	4	20	20	100	25	4.6	●	1	
520-W20-05	5	20	20	100	25	4.6	●	1	
625-W25-05	6	25	25	110	30	4.6	●	1	
832-W25-05	8	32	25	110	20	4.6	●	1	

4T-TE90-M-05



Modular heads for T-FLEXTEC

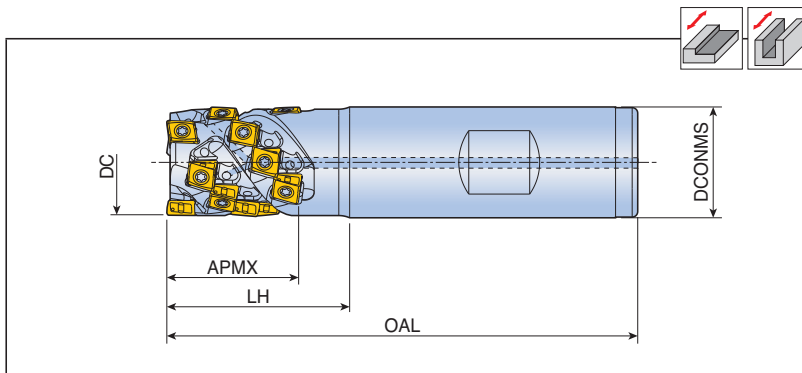


Designation	⊙	Dimension (mm)						Coolant	Insert
		DC	DCONMS	LF	OAL	THSZMS	APMX		
4T-TE90-210-M06-05	2	10	9.7	17	31.5	M06	4.6	8	LPK(H)U 0502...
312-M06-05	3	12	11	17	31.5	M06	4.6	8	
416-M08-05	4	16	13	23	40.5	M08	4.6	10	
520-M10-05	5	20	18	23	43	M10	4.6	15	
625-M12-05	6	25	21	27	49	M12	4.6	17	
832-M16-05	8	32	29	27	52	M16	4.6	25	

• Matched with T-FLEXTEC holder

4T-TEF-05

Extended flute cutters



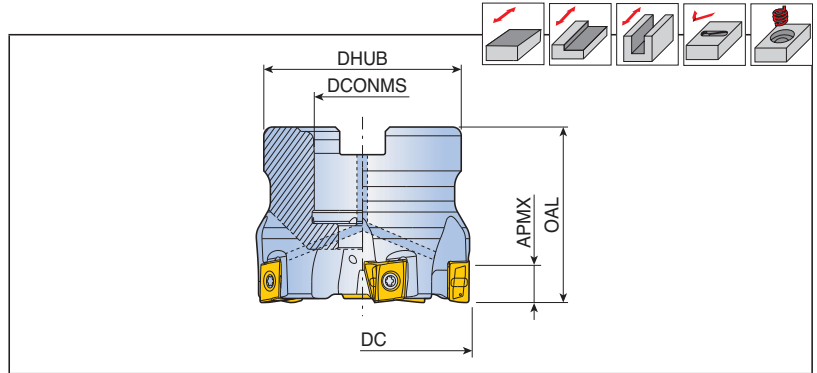
Designation		No. of insert	Dimension (mm)					Coolant	Insert
			DC	DCONMS	OAL	LH	APMX		
4T-TEF D16-15-W16-05	2	8	16	16	80	28	15	●	LPK(H)U 0502...
D20-23-W20-05	3	18	20	20	85	33	23	●	
D25-27-W25-05	4	28	25	25	95	35	27	●	

Spare parts

Designation	Screw	Wrench			
4T-TE90-05	TS 18041/SG-P	TD 6P			
4T-TEF-05	TS 18041/SG-P	TD 6P			

4T-TF90-09

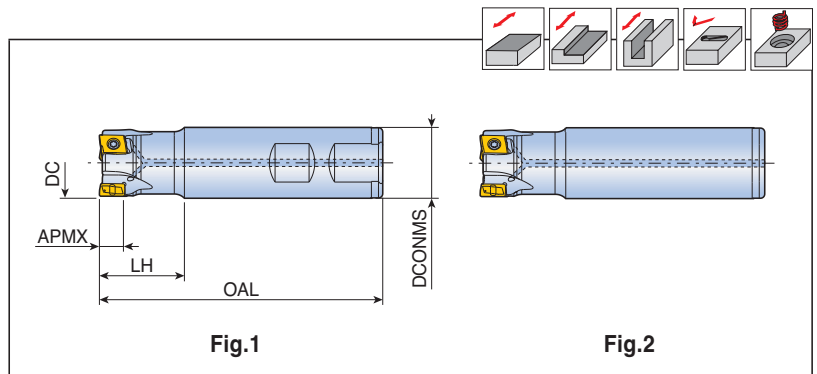
Face mills



Designation		Dimension (mm)					Coolant	Arbor type		Mounting bolt	Insert
		DC	DCONMS	DHUB	OAL	APMX					
4T-TF90-640-16R-09	6	40	16	38	40	8.3	●	A	0.3	SH M8x30	LPK(H)U 0904...
550-22R-09	5	50	22	45	40	8.3	●	A	0.4	SH M10x30	
750-22R-09	7	50	22	45	40	8.3	●	A	0.4	SH M10x30	
663-22R-09	6	63	22	47	40	8.3	●	A	0.5	SH M10x30	
1063-22R-09	10	63	22	47	40	8.3	●	A	0.5	SH M10x30	

4T-TE90-09

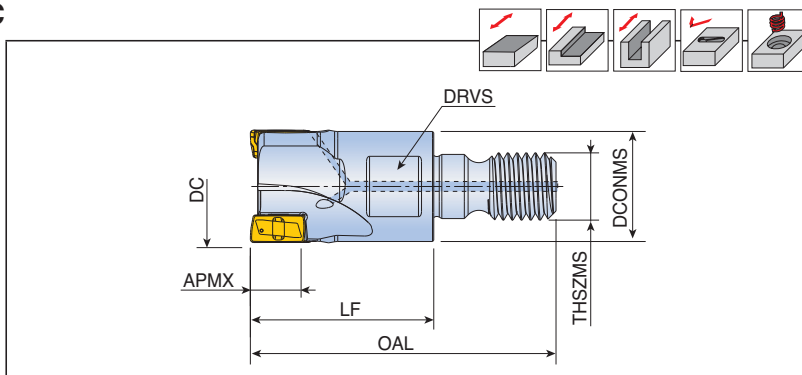
End mills



Designation		Dimension (mm)					Coolant	Fig.	Insert
		DC	DCONMS	OAL	LH	APMX			
4T-TE90-220-W20-09	2	20	20	100	30	8.3	●	1	LPK(H)U 0904...
220-20-09-L170	2	20	20	170	30	8.3	●	2	
320-W20-09	3	20	20	100	30	8.3	●	1	
325-W25-09	3	25	25	100	30	8.3	●	1	
325-25-09-L200	3	25	25	200	30	8.3	●	2	
425-W25-09	4	25	25	100	30	8.3	●	1	
425-25-09-L120	4	25	25	120	30	8.3	●	2	
332-W32-09	3	32	32	110	35	8.3	●	1	
332-32-09-L210	3	32	32	210	35	8.3	●	2	
532-W32-09	5	32	32	110	35	8.3	●	1	
532-32-09-L130	5	32	32	130	35	8.3	●	2	
440-W32-09	4	40	32	115	30	8.3	●	1	
440-32-09-L150	4	40	32	150	30	8.3	●	2	
640-W32-09	6	40	32	115	30	8.3	●	1	

4T-TE90-M-09

Modular heads for T-FLEXTEC

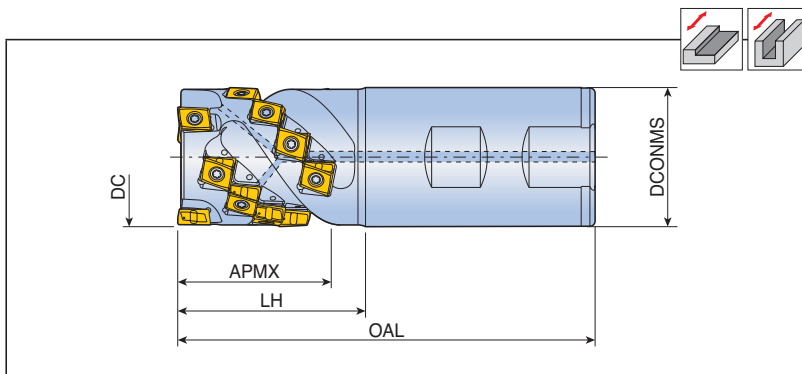


Designation		Dimension (mm)							Coolant	Insert
		DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS		
4T-TE90-220-M10-09	2	20	18	30	50	M10	8.3	15	●	LPK(H)U 0904...
320-M10-09	3	20	18	30	50	M10	8.3	15	●	
425-M12-09	4	25	21	35	57	M12	8.3	17	●	
532-M16-09	5	32	29	43	68	M16	8.3	25	●	
640-M16-09	6	40	29	43	68	M16	8.3	25	●	

• Matched with T-FLEXTEC holder

4T-TEF-09

Extended flute cutters



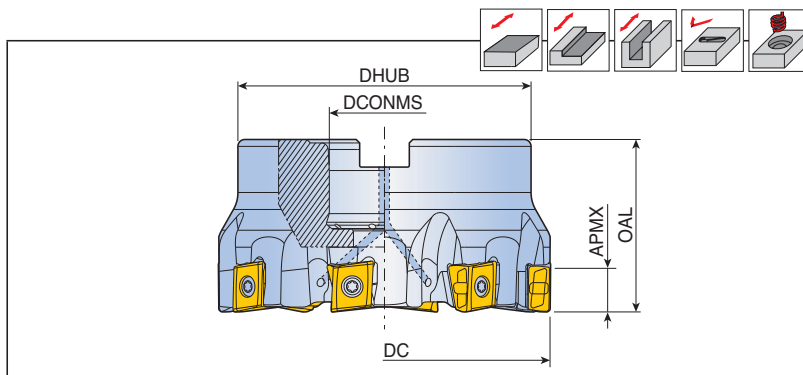
Designation		No. of insert	Dimension (mm)					Coolant	Insert
			DC	DCONMS	OAL	LH	APMX		
4T-TEF D25-36-W25-09	2	10	25	25	100	43	36	●	LPK(H)U 0904...
D32-36-W32-09	3	15	32	32	105	44	36	●	
D32-43-W32-09	3	18	32	32	115	52	43	●	
D40-43-W40-09	3	18	40	40	125	54	43	●	
D40-51-W40-09	3	21	40	40	135	64	51	●	

Spare parts

Designation	Screw 	Wrench 	Wrench handle 		
4T-TF90-09	TS 30D082-P	TBLD T08P-W4	THND 4W		
4T-TE90-09	TS 30D082-P	TBLD T08P-W4	THND 4W		
4T-TEF-09	TS 30D082-P	TBLD T08P-W4	THND 4W		

4T-TF90-14

Face mills



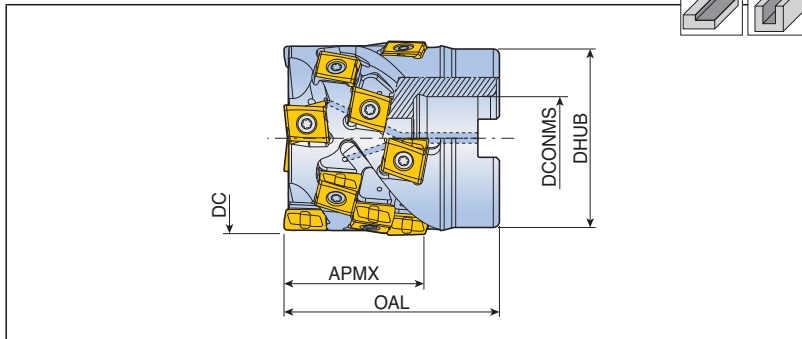
Designation		Dimension (mm)					Coolant	Arbor type	kg	Mounting bolt	Insert
		DC	DCONMS	DHUB	OAL	APMX					
4T-TF90-440-16R-14	4	40	16	38	40	12.5	●	A	0.3	SH M8x30	LPKU 1407...
450-22R-14	4	50	22	45	40	12.5	●	A	0.3	SH M10x30	
650-22R-14	6	50	22	45	40	12.5	●	A	0.3	SH M10x30	
563-22R-14	5	63	22	47	40	12.5	●	A	0.5	SH M10x30	
863-22R-14	8	63	22	47	40	12.5	●	A	0.5	SH M10x30	
780-27R-14	7	80	27	58	50	12.5	●	A	1.0	SH M12x35	
1080-27R-14	10	80	27	58	50	12.5	●	A	1.2	SH M12x35	
8100-32R-14	8	100	32	85	50	12.5	●	A	2.0	SH M16x35	
12100-32R-14	12	100	32	85	50	12.5	●	A	2.1	SH M16x35	
10125-40R-14	10	125	40	85	63	12.5	●	A	3.1	SH M20x40	
14125-40R-14	14	125	40	85	63	12.5	●	A	3.3	SH M20x40	
12160-40R-14	12	160	40	110	63	12.5	x	C	4.1	-	
16160-40R-14	16	160	40	110	63	12.5	x	C	4.3	-	
14200-60R-14	14	200	60	130	63	12.5	x	C	5.7	-	
18200-60R-14	18	200	60	130	63	12.5	x	C	5.8	-	

Spare parts

Designation	Screw	Wrench	Wrench handle		
4T-TF90-14	TS 40G110I	TBLD T15-W6	SW6-T		




4T-TES-14

Extended flute cutters



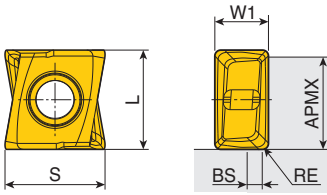
Designation	No. of inserts	Dimension (mm)						Coolant	Kg	Mounting bolt	Insert
		DC	DCONMS	DHUB	OAL	APMX					
4T-TES D50-34-22R-14	3	9	50	22	45	55	34	●	0.5	SH M10x40	LPKU 1407...
D50-45-22R-14	3	12	50	22	45	65	45	●	0.6	SH M10x50	
D63-45-27R-14	4	16	63	27	58	70	45	●	1.1	SH M12x50	
D63-56-27R-14	4	20	63	27	58	80	56	●	1.3	SH M12x60	
D80-56-32R-14	5	25	80	32	74	85	56	●	2.3	SH M16x60	
D100-56-40R-14	6	30	100	40	94	90	56	●	4.1	SH M20x60	

Spare parts

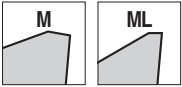
Designation	Screw	Wrench	Wrench handle		
	4T-TES-14	 TS 40G110I	 TBLD T15-W6	 SW6-T	

LPK(H)U

Inserts



Size	Dimension (mm)					
	L	W1	S	APMX	BS	RE
05	5	2.7	5.0	4.6	-	0.4
09	9	4.5	8.6	8.3	0.6	0.4
14	13.5	6.7	13.5	12.5	0.9	0.8



Insert	Designation	Recommended machining conditions		Coated								Uncoated	
		ap (mm)	Feed (mm/tooth)	TT9080	TT9030	TT8080	TT8020	TT8525	TT7080	TT7515	TT6080	K10	
	LPKU 050204 PNR-M	1.0-3.5	0.08-0.04	●		●					●		
	090404 PNR-M	2.5-6.0	0.15-0.06	●		●		●			●		
	140708 PNR-M	3.5-10.0	0.20-0.10	●		●		●			●		
	LPHU 050204 PNR-ML	1.0-3.5	0.08-0.04			●				●			
	LPHU 090404 PNR-M	2.5-6.0	0.15-0.06			●				●			

●: Standard items



MILL RUSH

POSITIVE 90° MILL

Multi-tooth 90° End Mill with Small Helical Triangular Insert

✓ Strong tool body with large core

✓ High productivity with maximum No. of teeth

✓ Super high positive helical cutting edge

✓ High ramping down angle

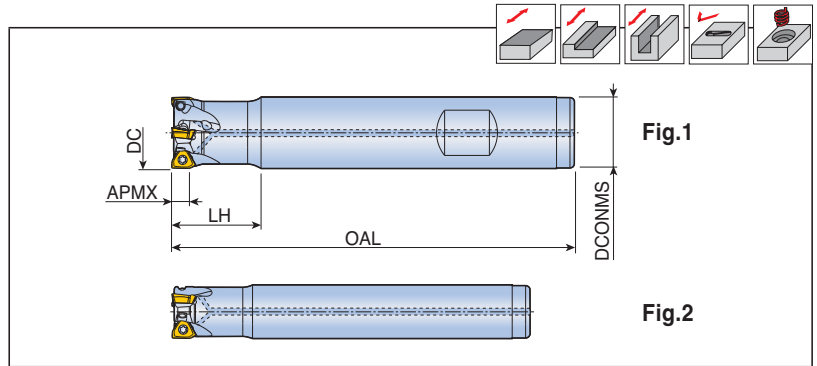
✓ 90° shouldering



3P-TE90-04



End mills



Designation		Dimension (mm)					Coolant	Fig.	Insert
		DC	DCONMS	OAL	LH	APMX			
3P-TE90-108-08-04	1	8	8	80	17	3.5	●	2	3PKT 0402...
210-10-04	2	10	10	80	17	3.5	●	2	
210-09-04-L	2	10	9	120	10	3.5	●	2	
211-10-04	2	11	10	80	11	3.5	●	2	
212-11-04-L	2	12	11	120	11	3.5	●	2	
212-12-04	2	12	12	80	18	3.5	●	2	
212-12-04-L	2	12	12	120	18	3.5	●	2	
312-12-04	3	12	12	80	18	3.5	●	2	
313-12-04	3	13	12	90	11	3.5	●	2	
314-12-04	3	14	12	90	12	3.5	●	2	
316-16-04	3	16	16	110	20	3.5	●	2	
416-W16-04	4	16	16	90	20	3.5	●	1	

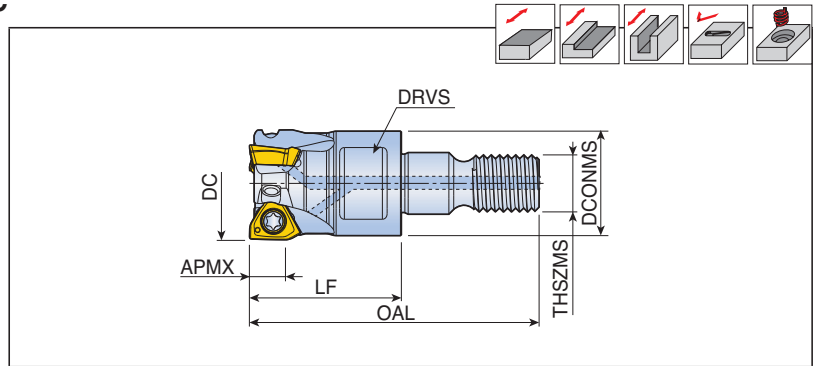
Spare parts

Designation	Screw	Wrench			
	3P-TE90-04 (ø8)	TS 18033/HG-P	TD 6P		
3P-TE90-04 (ø10-)	TS 18041/HG	TD 6P			

3P-TE90-M-04



Modular heads for T-FLEXTEC



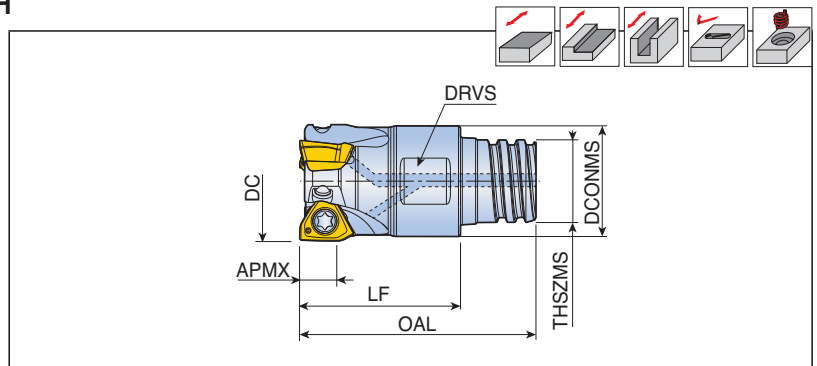
Designation	Coolant	Dimension (mm)								Coolant	Insert
		DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS			
3P-TE90- 210-M06-04	2	10	9.7	17	31.5	M06	3.5	8	●	3PKT 0402...	
312-M06-04	3	12	11	17	31.5	M06	3.5	8	●		
416-M08-04	4	16	13	23	40.5	M08	3.5	10	●		

• Matched with T-FLEXTEC holder

3P-TE90-S-04



Modular heads for MAXI-RUSH



Designation	Coolant	Dimension (mm)								Coolant	Insert
		DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS			
3P-TE90- 210-S06-04	2	10	9.6	15	21.3	S06	3.5	8	●	3PKT 0402...	
312-S08-04	3	12	11.5	16	23.5	S08	3.5	10	●		
416-S10-04	4	16	15.2	20	31.3	S10	3.5	13	●		

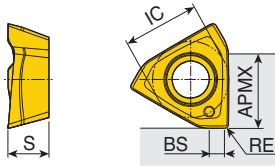
• Matched with MAXI-RUSH holder

Spare parts

Designation	Screw	Wrench			
	3P-TE90-04	TS 180411/HG	TD 6P		

3PKT 04

Inserts

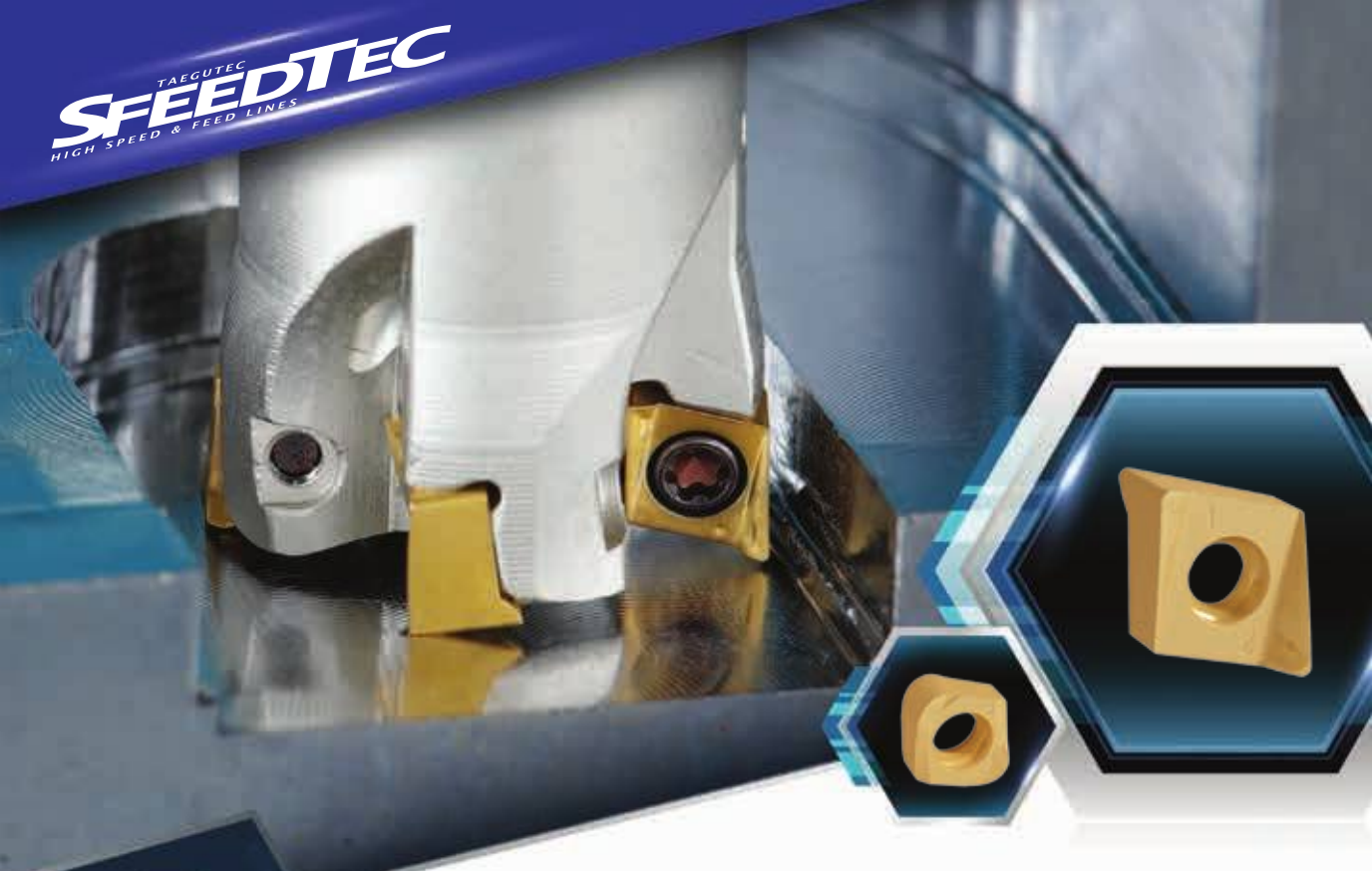


Size	Dimension (mm)				
	IC	S	APMX	BS	RE
04-M	3.9	2.1	3.5	0.5-0.7	0.2-0.4



Insert	Designation	Recommended machining conditions		Coated							Uncoated		
		ap (mm)	Feed (mm/tooth)	TT9080	TT9030	TT8080	TT8020	TT8525	TT7080	TT7515	TT6080	K10	
	3PKT 040202R-M	0.5-3.0	0.08-0.04	●		●							
	040204R-M	0.5-3.0	0.08-0.04	●		●							

●: Standard items



CHASE4MILL

90° MILLING

90° Shoulder Mill 4 Cutting Edge Insert with High Ramping Capability

✓ High ramping down angle for various applications

✓ Various insert options and cutter range

✓ High productivity with strong 4 corner insert

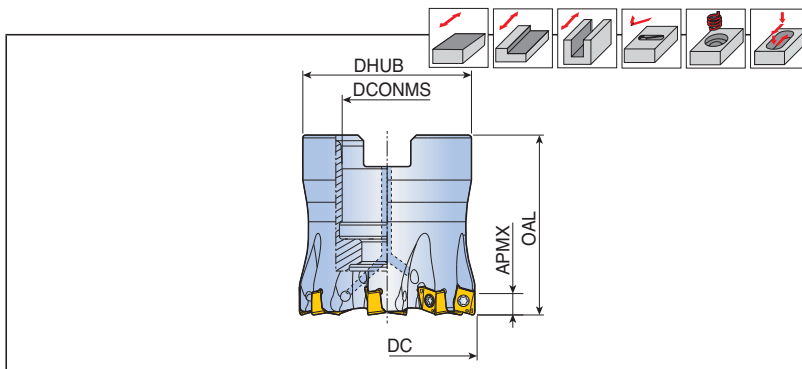
✓ High positive cutting edge

✓ 90° shouldering



4N TF90-04

Face mills

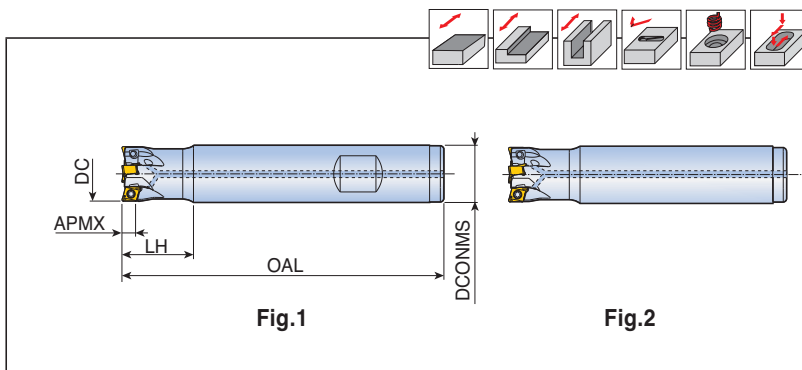


Designation	⌀	Dimension (mm)					Coolant	Arbor type	Kg	Mounting bolt	Insert
		DC	DCONMS	DHUB	OAL	APMX					
4N TF90- 832-16R-04	8	32	16	30	32	3.5	●	A	0.1	SH M8x25	4NKT 0402....
1040-16R-04	10	40	16	38	40	3.5	●	A	0.2	SH M8x25	

• Cutter body for '4NKT 040212R-HF' insert should be modified with body corner radius 1.2 mm

4N TE90-04

End mills



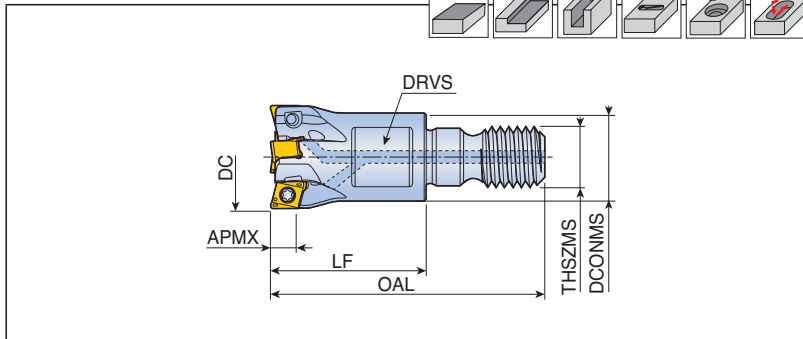
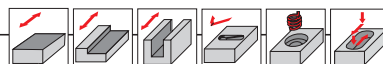
Designation	⌀	Dimension (mm)					Coolant	Fig.	Insert
		DC	DCONMS	OAL	LH	APMX			
4N TE90- 108-08-04	1	8	8	80	17	3.5	●	2	4NKT 0402...
210-10-04	2	10	10	80	17	3.5	●	2	
211-10-04	2	11	10	80	17	3.5	●	2	
212-12-04	2	12	12	80	18	3.5	●	2	
312-12-04	3	12	12	80	18	3.5	●	2	
313-12-04	3	13	12	90	20	3.5	●	2	
316-16-04	3	16	16	90	20	3.5	●	2	
416-W16-04	4	16	16	90	20	3.5	●	1	
420-20-04-L	4	20	20	160	25	3.5	●	2	
520-W20-04	5	20	20	105	25	3.5	●	1	
725-W25-04	7	25	25	120	30	3.5	●	1	
832-W25-04	8	32	25	130	35	3.5	●	1	
1040-W32-04	10	40	32	140	40	3.5	●	1	

• Cutter body for '4NKT 040212R-HF' insert should be modified with body corner radius 1.2 mm

4N TE90-M-04



Modular heads for T-FLEXTEC



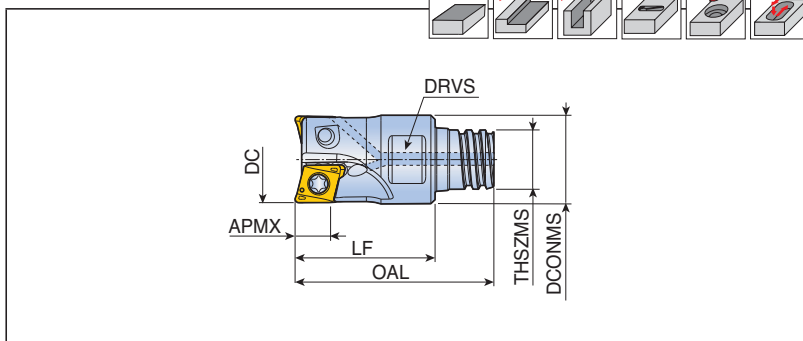
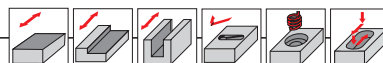
Designation		Dimension (mm)								Coolant	Insert
		DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS			
4N TE90- 210-M06-04	2	10	9.7	17	31.5	M06	3.5	8	●	4NKT 0402...	
211-M06-04	2	11	9.7	17	31.5	M06	3.5	8	●		
312-M06-04	3	12	11	17	31.5	M06	3.5	8	●		
313-M06-04	3	13	11	17	31.5	M06	3.5	8	●		
416-M08-04	4	16	13	23	40.5	M08	3.5	10	●		
520-M10-04	5	20	18	23	43	M10	3.5	15	●		
725-M12-04	7	25	21	27	49	M12	3.5	17	●		

- Cutter body for '4NKT 040212R-HF' insert should be modified with body corner radius 1.2 mm
- Matched with T-FLEXTEC holder

4N TE90-S-04



Modular heads for MAXI-RUSH



Designation		Dimension (mm)								Coolant	Insert
		DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS			
4N TE90- 210-S06-04	2	10	9.6	15	21.3	S06	3.5	8	●	4NKT 0402...	
312-S08-04	3	12	11.5	16	23.5	S08	3.5	10	●		
416-S10-04	4	16	15.2	20	31.3	S10	3.5	13	●		

- Cutter body for '4NKT 040212R-HF' insert should be modified with body corner radius 1.2 mm
- Matched with MAXI-RUSH holder

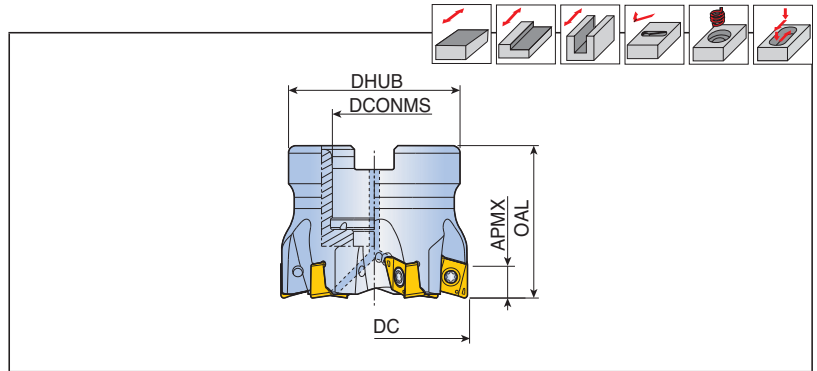
Spare parts

Designation	Screw	Wrench			
4N TF90-04	TS 180411/HG	TD 6P			
4N TE90-04	TS 180411/HG	TD 6P			

4N TF90-09



Face mills



Designation	Z	Dimension (mm)					Coolant	Arbor type	Kg	Mounting bolt	Insert
		DC	DCONMS	DHUB	OAL	APMX					
4N TF90- 540-16R-09	5	40	16	38	40	8.0	●	A	0.3	SH M8x25	4NK(H)T 0904...
650-22R-09	6	50	22	45	40	8.0	●	A	0.3	LH M10x25	
763-22R-09	7	63	22	47	40	8.0	●	A	0.5	LH M10x25	
980-27R-09	9	80	27	58	50	8.0	●	A	1.1	SH M12x35	

• Cutter body for '4NKT 090432R-HF' insert should be modified with body corner radius 3.2 mm

4N TE90-09



End mills

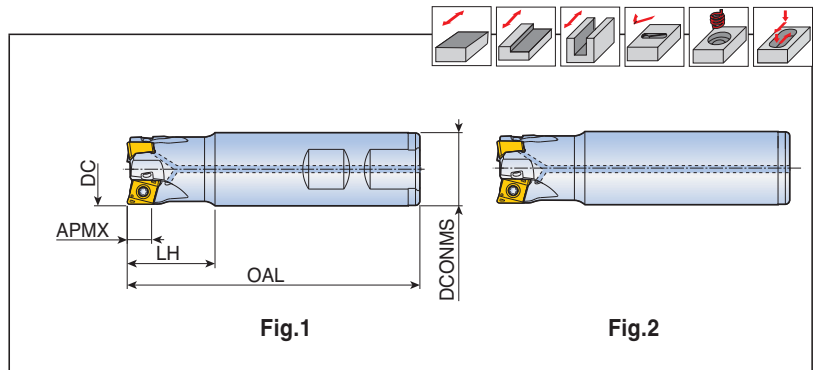


Fig.1

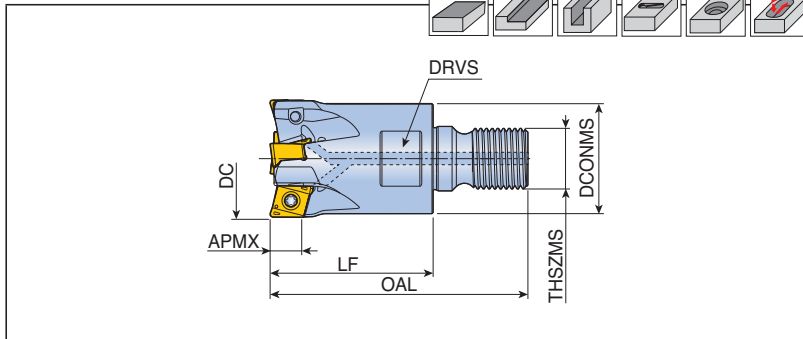
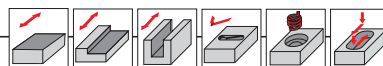
Fig.2

Designation	Z	Dimension (mm)					Coolant	Fig.	Insert
		DC	DCONMS	OAL	LH	APMX			
4N TE90- 220-W20-09	2	20	20	100	30	8.0	●	1	4NK(H)T 0904...
220-20-09-L170	2	20	20	170	30	8.0	●	2	
225-W25-09	2	25	25	100	30	8.0	●	1	
225-25-09-L200	2	25	25	200	40	8.0	●	2	
325-W25-09	3	25	25	100	30	8.0	●	1	
325-25-09-L210	3	25	25	210	30	8.0	●	2	
332-W32-09	3	32	32	110	40	8.0	●	1	
332-32-09-L250	3	32	32	250	40	8.0	●	2	
432-W25-09	4	32	25	130	35	8.0	●	1	
432-25-09-L200	4	32	25	200	40	8.0	●	2	
432-W32-09	4	32	32	110	40	8.0	●	1	
440-W32-09	4	40	32	115	40	8.0	●	1	
440-32-09-L250	4	40	32	250	40	8.0	●	2	
540-W32-09	5	40	32	115	40	8.0	●	1	

• Cutter body for '4NKT 090432R-HF' insert should be modified with body corner radius 3.2 mm

4N TE90-M-09

Modular heads for T-FLEXTEC



Designation		Dimension (mm)								Coolant	Insert
		DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS			
4N TE90- 220-M10-09	2	20	18	30	50	M10	8.0	15	●	4NK(H)T 0904...	
325-M12-09	3	25	21	35	57	M12	8.0	17	●		
432-M16-09	4	32	29	43	68	M16	8.0	25	●		
540-M16-09	5	40	29	43	68	M16	8.0	25	●		

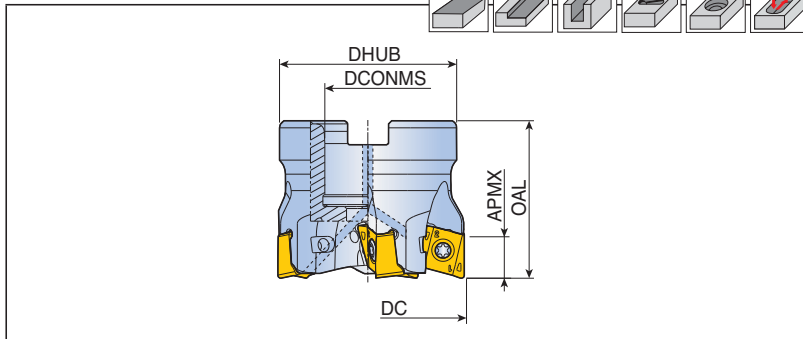
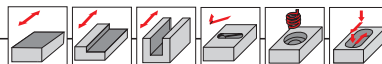
- Cutter body for '4NKT 090432R-HF' insert should be modified with body corner radius 3.2 mm
- Matched with T-FLEXTEC holder

Spare parts

Designation	Screw	Wrench	Wrench handle		
4N TF90-09	TS 35A088I/HG	TBLD T10P-W6	THND 6W		
4N TE90-09	TS 35A088I/HG	TBLD T10P-W6	THND 6W		

4N TF90-11

Face mills



Designation		Dimension (mm)					Coolant	Arbor type		Mounting bolt	Insert
		DC	DCONMS	DHUB	OAL	APMX					
4N TF90- 440-16R-11	4	40	16	38	40	10.5	●	A	0.2	SH M8x30	4NKT 1106...
450-22R-11	4	50	22	45	40	10.5	●	A	0.3	LH M10x25	
550-22R-11	5	50	22	45	40	10.5	●	A	0.3	LH M10x25	
463-22R-11	4	63	22	47	40	10.5	●	A	0.6	LH M10x25	
663-22R-11	6	63	22	47	40	10.5	●	A	0.5	LH M10x25	
480-27R-11	4	80	27	58	50	10.5	●	A	1.1	SH M12x35	
880-27R-11	8	80	27	58	50	10.5	●	A	1.0	SH M12x35	

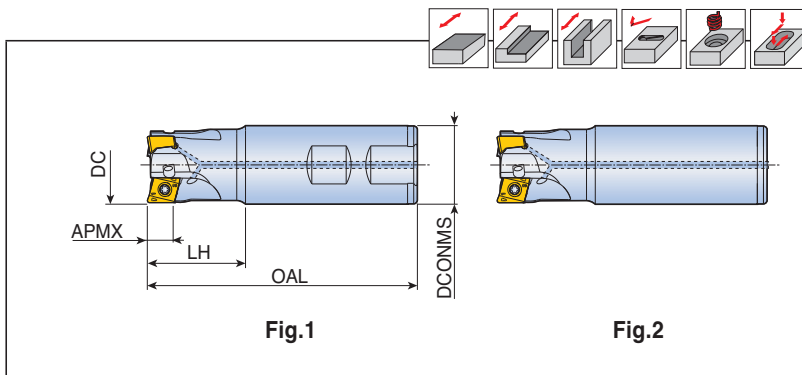
• Cutter body for '4NKT 110640R-HF' insert should be modified with body corner radius 4.0 mm

Spare parts

Designation	Screw	Wrench	Wrench handle		
4N TF90-11	TS 40093I/HG	TBLD T15-W6	SW6-T		

4N TE90-11

End mills

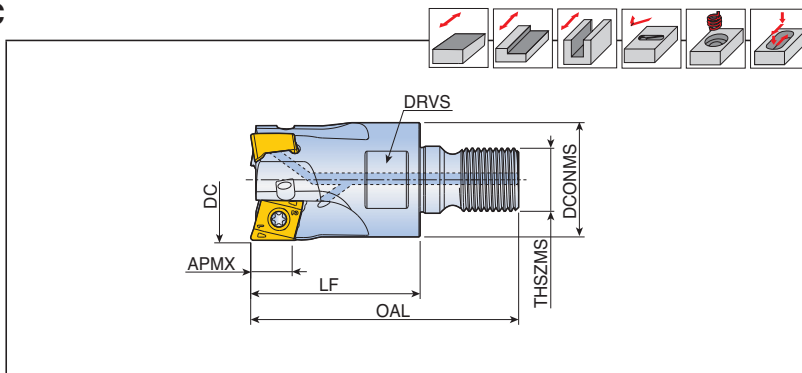


Designation	⊙	Dimension (mm)					Coolant	Fig.	Insert
		DC	DCONMS	OAL	LH	APMX			
4N TE90- 225-W25-11	2	25	25	100	30	10.5	●	1	4NKT 1106...
225-25-11-L200	2	25	25	200	40	10.5	●	2	
332-W32-11	3	32	32	110	40	10.5	●	1	
440-W32-11	4	40	32	115	40	10.5	●	1	
440-32-11-L200	4	40	32	200	40	10.5	●	2	

• Cutter body for '4NKT 110640R-HF' insert should be modified with body corner radius 4.0 mm

4N TE90-M-11

Modular heads for T-FLEXTEC



Designation	⊙	Dimension (mm)							Coolant	Insert
		DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS		
4N TE90- 225-M12-11	2	25	21	35	57	M12	10.5	17	●	4NKT 1106...
332-M16-11	3	32	29	43	68	M16	10.5	25	●	
440-M16-11	4	40	29	43	68	M16	10.5	25	●	

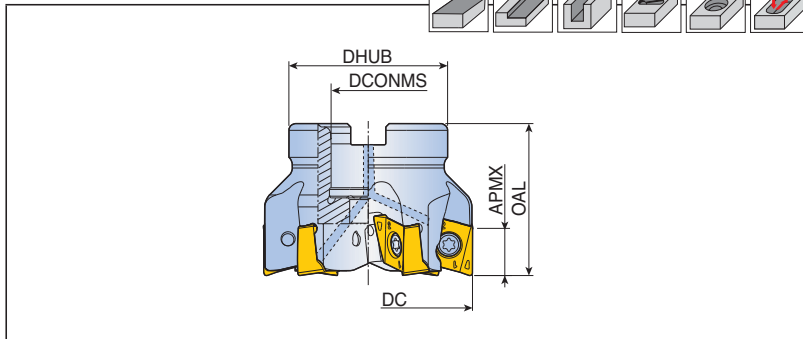
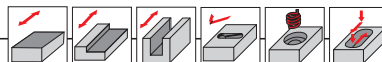
• Cutter body for '4NKT 110640R-HF' insert should be modified with body corner radius 4.0 mm
 • Matched with T-FLEXTEC holder

Spare parts

Designation	Screw	Wrench	Wrench handle		
4N TE90-11	TS 40093I/HG	TBLD T15-W6	THND 6W		

4N TF90-14

Face mills



Designation		Dimension (mm)					Coolant	Arbor type	Kg	Mounting bolt	Insert
		DC	DCONMS	DHUB	OAL	APMX					
4N TF90- 450-22R-14	4	50	22	45	45	13.8	●	A	0.4	SH M10x25	4NKT 1407....
463-22R-14	4	63	22	47	45	13.8	●	A	0.6	SH M10x25	
663-22R-14	6	63	22	47	45	13.8	●	A	0.6	SH M10x25	
580-27R-14	5	80	27	58	50	13.8	●	A	1.0	SH M12x35	
780-27R-14	7	80	27	58	50	13.8	●	A	1.0	SH M12x35	

• Cutter body for '4NKT 140750R-HF' insert should be modified with body corner radius 5.0 mm

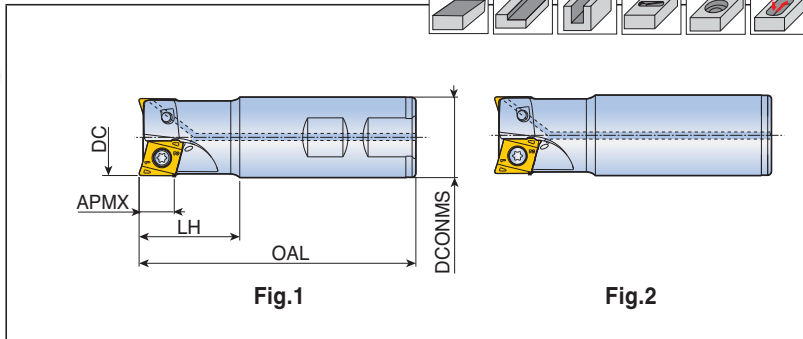
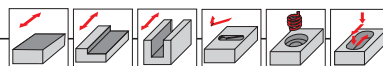
Spare parts

Designation	Screw	Wrench	Wrench handle		
4N TF90-14	TS 50A121I/HG	TBLD T20-W6	SW6-T		

4N TE90-14



End mills



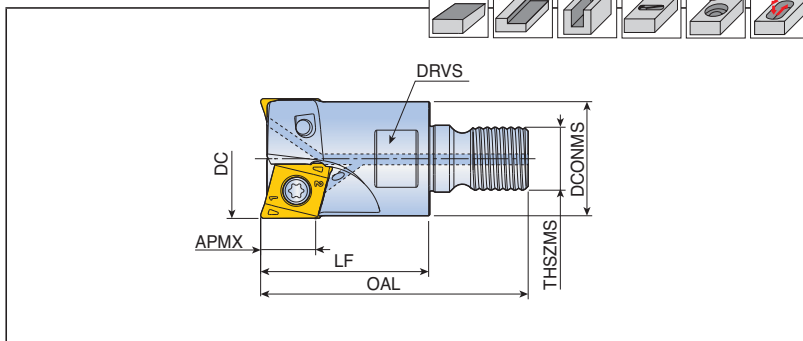
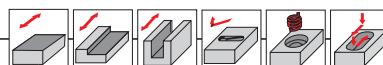
Designation		Dimension (mm)					Coolant	Fig.	Insert
		DC	DCONMS	OAL	LH	APMX			
4N TE90-232-W32-14	2	32	32	110	40	13.8	●	1	4NKT 1407...
232-32-14	2	32	32	150	45	13.8	●	2	
232-32-14-L250	2	32	32	250	40	13.8	●	2	
340-W32-14	3	40	32	115	40	13.8	●	1	
340-32-14	3	40	32	115	40	13.8	●	2	

- Cutter body for '4NKT 140750R-HF' insert should be modified with body corner radius 5.0 mm

4N TE90-M-14



Modular heads for T-FLEXTEC



Designation		Dimension (mm)							Coolant	Insert
		DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS		
4N TE90-232-M16-14	2	32	29	43	68	M16	13.8	25	●	4NKT 1407...
340-M16-14	3	40	29	43	68	M16	13.8	25	●	

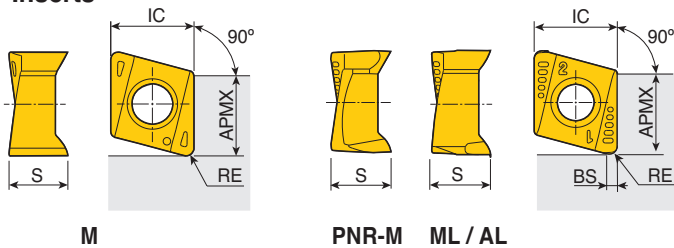
- Cutter body for '4NKT 140750R-HF' insert should be modified with body corner radius 5.0 mm
- Matched with T-FLEXTEC holder

Spare parts

Designation	Screw	Wrench	Wrench handle		
4N TE90-14	TS 50A121I/HG	TBLD T20-W6	THND 6W		

4NK(H)T

Inserts



Size	Dimension (mm)				
	IC	S	APMX	BS	RE
04	4.0	3.1	3.5	-	0.2-0.8
09	8.6	5.7-6.3	8.0	0.8-1.2	0.4-1.6
11	10.7	8.1	10.5	1.0	0.8
14	14.0	9.2-9.4	13.5-13.8	1.25	0.8

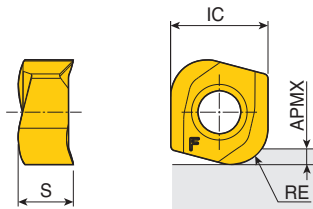


Insert	Designation	Recommended machining conditions		Coated							Uncoated	
		ap (mm)	Feed (mm/tooth)	TT9080	TT8080	TT8525	TT7515	TT7080	TT6080	TT2510	K10	
	4NKT 040202R-M	0.5-3.0	0.08-0.04	●	●							
	040204R-M	1.0-3.0	0.12-0.06	●	●				●			
	040208R-M	1.0-3.0	0.12-0.06	●	●							
	090408R-M	2.5-7.0	0.15-0.07	●	●		●		●	●		
	090416R-M	2.5-7.0	0.15-0.07	●	●				●			
	110608R-M	3.5-10.0	0.18-0.09	●	●				●			
	140708R-M	4.0-12.0	0.18-0.09	●	●	●		●	●			
	4NKT 110608 PNR-M	3.5-10.0	0.18-0.09	●	●							
	140708 PNR-M	4.0-12.0	0.18-0.09	●	●							
	4NHT 090404R-ML	2.5-7.0	0.10-0.04	●								
	090408R-ML	2.5-7.0	0.10-0.04	●	●							
	4NHT 090404R-AL	2.5-7.0	0.50-0.10								●	
	090408R-AL	2.5-7.0	0.50-0.10								●	

●: Standard items

4NKT-HF

High feed inserts



Size	Dimension (mm)				
	IC	S	APMX	RE	
04-HF	4.0	2.65	0.5	1.2	
06-HF	6.6	3.85	1.0	2.0	
09-HF	8.6	4.76	1.5	3.2	
11-HF	10.7	6.56	2.0	4.0	
14-HF	14.0	7.34	3.0	5.0	

Insert	Designation	Recommended machining conditions		Coated							Uncoated		
		ap (mm)	Feed (mm/tooth)	TT9080	TT8080	TT8525	TT7515	TT7080	TT6080	TT2510			K10
	4NKT 040212R-HF	0.2-0.4	0.60-0.10	●						●			
	060320R-HF	0.2-0.6	0.80-0.20	●	●					●			
	090432R-HF	0.3-0.8	1.00-0.20	●									
	110640R-HF	0.3-1.2	1.20-0.30	●									
	140750R-HF	0.3-1.5	1.50-0.30	●									

●: Standard items



CHASE 8 MILL

90° FACING & SHOULDERING

90° Shoulder Mill with Economical 8 Cutting Edge Square Insert



✓ Economical double-sided insert



✓ Strong tool body and high positive insert



✓ High productivity with maximum No. of teeth

✓ 90° shouldering with wiper flat insert

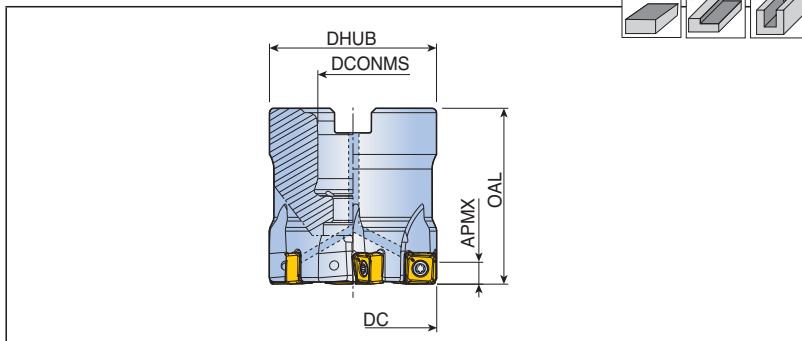
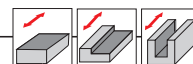


✓ Good chip evacuation



8D-TF90-07

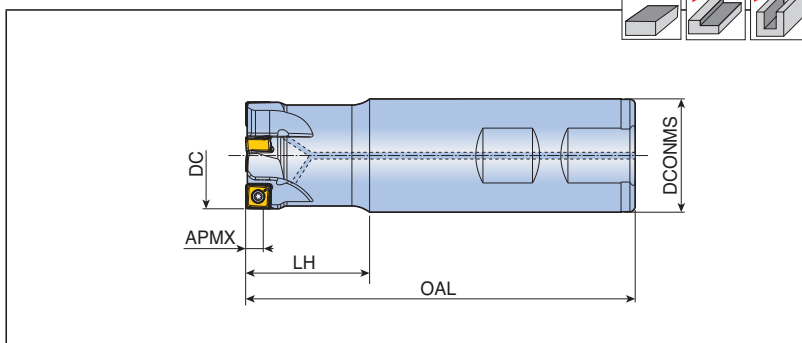
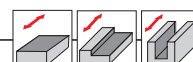
Face mills



Designation	Z	Dimension (mm)					Coolant	Arbor type	Kg	Mounting bolt	Insert
		DC	DCONMS	DHUB	OAL	APMX					
8D-TF90-432-16R-07	4	32	16	30	32	5.0	●	A	0.1	SH M8x25	SQKU 0703...
640-16R-07	6	40	16	38	40	5.0	●	A	0.3	SH M8x25	
650-22R-07	6	50	22	45	40	5.0	●	A	0.4	SH M10x30	
850-22R-07	8	50	22	45	40	5.0	●	A	0.4	SH M10x30	

8D-TE90-07

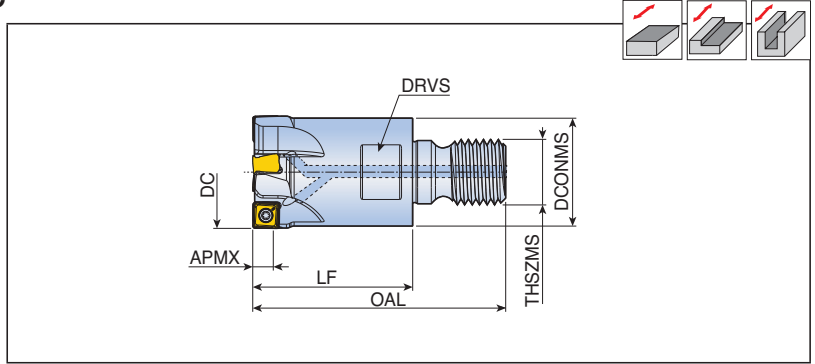
End mills



Designation	Z	Dimension (mm)					Coolant	Insert
		DC	DCONMS	OAL	LH	APMX		
8D-TE90-216-W16-07	2	16	16	90	20	5.0	●	SQKU 0703...
220-W20-07	2	20	20	90	25	5.0	●	
320-W20-07	3	20	20	90	25	5.0	●	
325-W25-07	3	25	25	100	30	5.0	●	
425-W25-07	4	25	25	100	30	5.0	●	
432-W32-07	4	32	32	110	35	5.0	●	
632-W32-07	6	32	32	110	40	5.0	●	
540-W32-07	5	40	32	110	40	5.0	●	
840-W32-07	8	40	32	110	40	5.0	●	

8D-TE90-M-07

Modular heads for T-FLEXTEC



Designation		Dimension (mm)							Coolant	Insert
		DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS		
8D-TE90-216-M08-07	2	16	14	23	40.5	M08	5.0	10	●	SQU 0703...
320-M10-07	3	20	18	30	50	M10	5.0	15	●	
325-M12-07	3	25	22	35	57	M12	5.0	17	●	
432-M16-07	4	32	29	43	68	M16	5.0	25	●	
540-M16-07	5	40	29	43	68	M16	5.0	25	●	

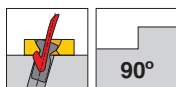
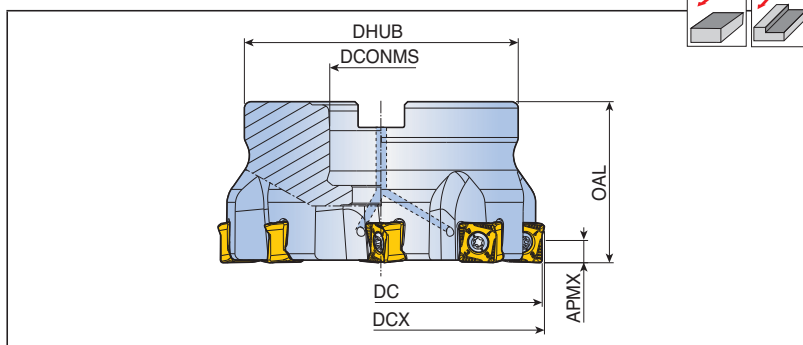
• Matched with T-FLEXTEC holder

Spare parts

Designation	Screw	Wrench			
	8D-TF90-07	TS 25D060/HG-P	TD 7P		
8D-TE90-07	TS 25D060/HG-P	TD 7P			

8D-TF90-12

Face mills



Designation		Dimension (mm)						Coolant	Arbor type	Kg	Mounting bolt	Insert
		DC	DCX	DCONMS	DHUB	OAL	APMX					
8D-TF90-450-22R-12	4	50	51.3	22	45	40	8.5	●	A	0.3	SH M10x30	SQK(H)U 1206...
650-22R-12	6	50	51.3	22	45	40	8.5	●	A	0.4	SH M10x30	
563-22R-12	5	63	64.3	22	47	40	8.5	●	A	0.5	SH M10x30	
863-22R-12	8	63	64.3	22	47	40	8.5	●	A	0.6	SH M10x30	
680-27R-12	6	80	81.3	27	58	50	8.5	●	A	1.1	SH M12x35	
1180-27R-12	11	80	81.3	27	58	50	8.5	●	A	1.2	SH M12x35	
8100-32R-12	8	100	101.3	32	66	50	8.5	●	A	1.6	SH M16x35	
14100-32R-12	14	100	101.3	32	66	50	8.5	●	A	1.7	SH M16x35	
10125-40R-12	10	125	126.3	40	85	63	8.5	●	A	3.4	SH M20x40	
18125-40R-12	18	125	126.3	40	85	63	8.5	●	A	3.5	SH M20x40	
12160-40R-12	12	160	161.3	40	110	63	8.5	x	C	4.7	-	
22160-40R-12	22	160	161.3	40	110	63	8.5	x	C	4.9	-	

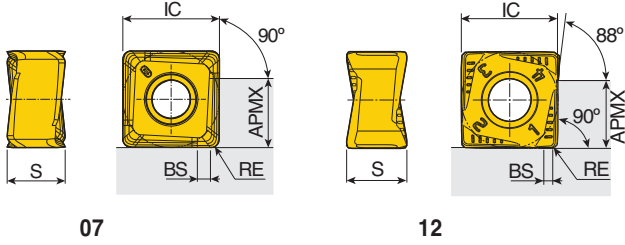
- DC: Cutting diameter
- DCX: Cutting diameter maximum

Spare parts

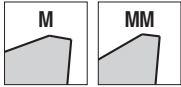
Designation	Screw	Wrench	Wrench handle		
	8D-TF90-12	TS 40M100/HG	TBLD T15-W6	SW6-T	

SQK(H)U

Inserts

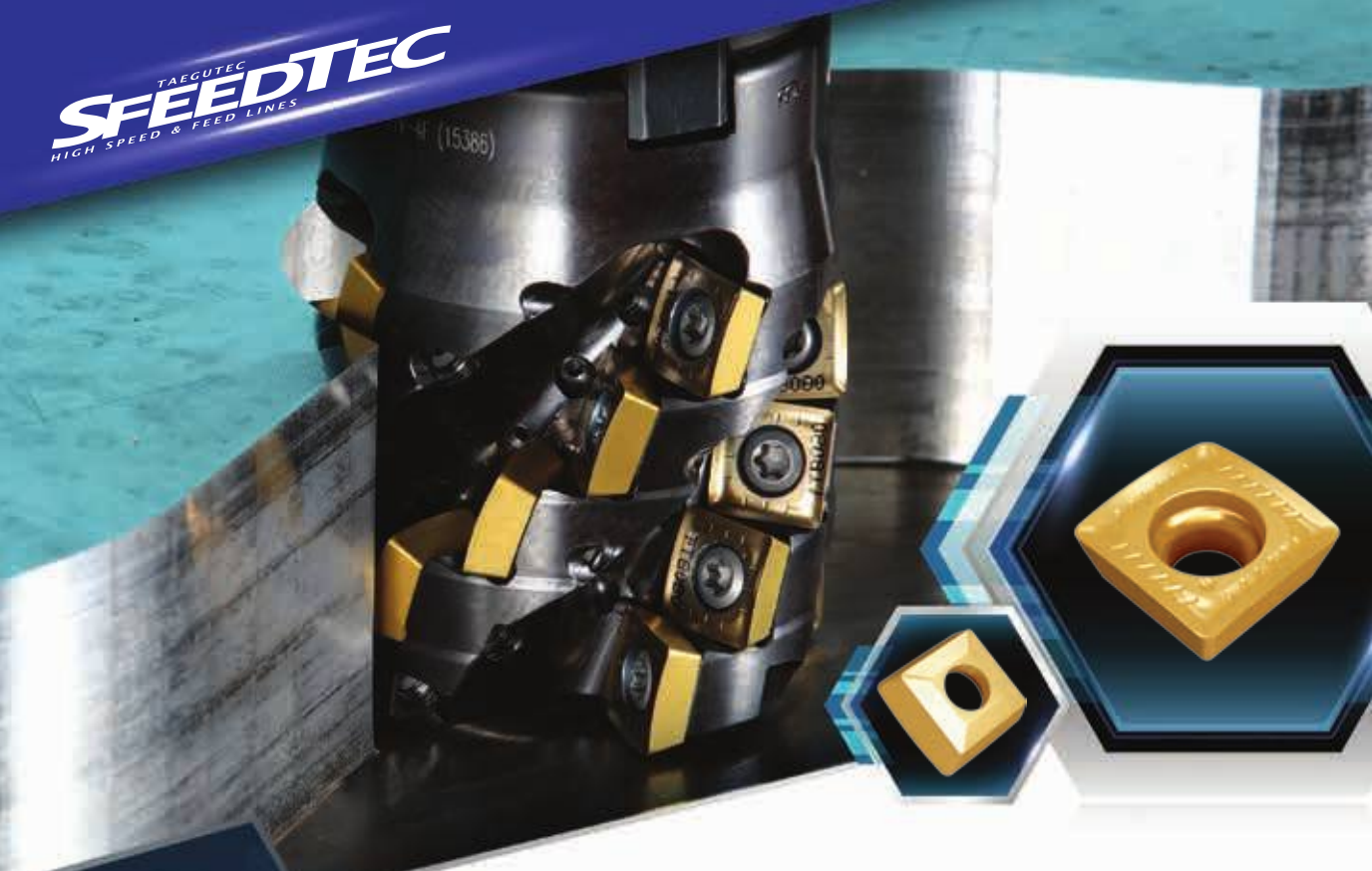


Size	Dimension (mm)					
	IC	S	APMX	BS	RE	
07	7.0	4.16	5.0	0.9	0.8	
12	12.2	8.06	8.5	1.1	0.8	



Insert	Designation	Recommended machining conditions		Coated							Uncoated			
		ap (mm)	Feed (mm/tooth)	TT9080	TT9030	TT8080	TT8020	TT8525	TT7080	TT7515	TT6080	TT2510	K10	
	SQKU 070308 PNR-M	1.0-4.0	0.20-0.10	●		●					●			
	SQKU 120608 PNR-M	2.0-6.5	0.25-0.15	●				●			●	●		
	SQHU 120608 PNR-MM	2.0-6.5	0.25-0.15	●							●			

●: Standard items



CHASE VQUAD

FIXED POSITIONING

**Extended Flute Mill for Exotic Materials
 with Unique Rigid V-bottom Insert**



✓ For Titanium and high temperature alloys



✓ Reinforced V-shape insert



✓ High positive rake face



✓ Multi coolant supply to the cutting edge

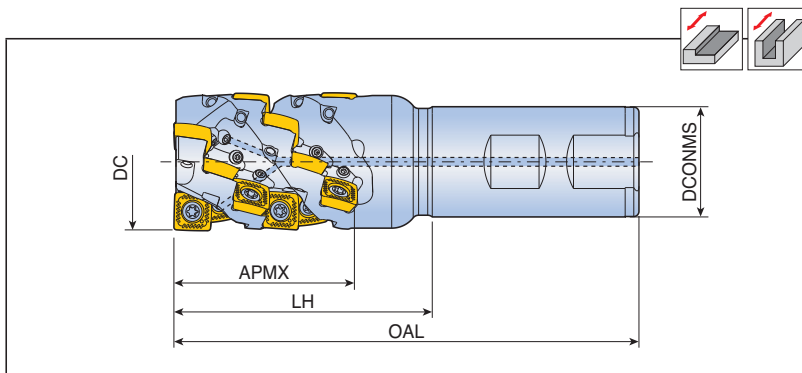


✓ Good chip evacuation



4S-TEF-11V

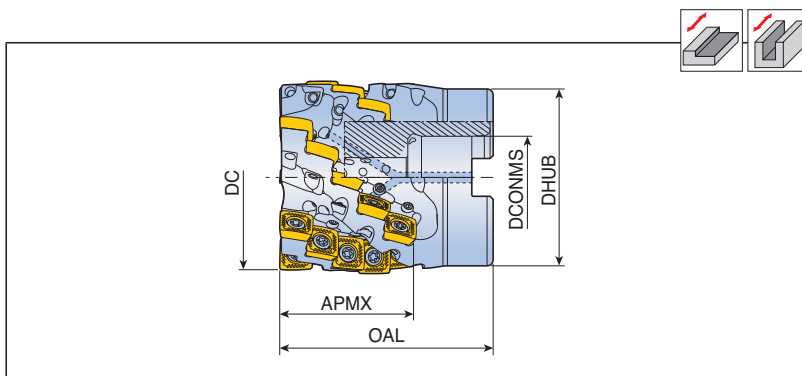
Extended flute cutters



Designation		No. of insert	Dimension (mm)					Coolant	Insert
			DC	DCONMS	OAL	LH	APMX		
4S-TEF- D32-52-W32-11V-2F		12	32	32	135	70	52	●	SVK(H)T 1145...
D40-52-W32-11V-3F		18	40	32	135	75	52	●	
D40-60-W32-11V-3F		21	40	32	180	85	60	●	
D50-52-W40-11V-4F		24	50	40	145	75	52	●	
D50-77-W40-11V-4F		36	50	40	170	100	77	●	

4S-TES-11V

Extended flute cutters



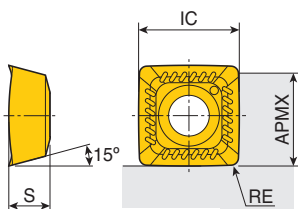
Designation		No. of insert	Dimension (mm)					Coolant	Arbor type	kg	Mounting bolt	Insert
			DC	DCONMS	DHUB	OAL	APMX					
4S-TES- D40-27-16R-11V-3F		9	40	16	38	55	27	●	A	0.3	SH M8x40	SVK(H)T 1145...
D50-43-22R-11V-4F		20	50	22	45	65	43	●	A	0.6	SH M10x50	
D50-69-22R-11V-4F		32	50	22	45	90	69	●	A	0.8	SH M10x80	
D63-60-27R-11V-5F		35	63	27	58	85	60	●	A	1.2	SH M12x60	
D63-69-27R-11V-5F		40	63	27	58	93	69	●	A	1.4	SH M12x80	
D80-76-32R-11V-6F		54	80	32	76	100	76	●	A	2.6	SH M16x80	

Spare parts

Designation	Screw	Wrench	Wrench handle	Wrench handle	Coolant Nozzle
	4S-TEF-11V	TS 40093/HG	TBLD T15-W6	-	THND 6W
4S-TES-11V	TS 40093/HG	TBLD T15-W6	SW6-T	-	SS 3003-06C

SVK(H)T

Inserts



Size	Dimension (mm)				
	IC	S	APMX	RE	
114508	11	4.5	10	0.8	
114516	11	4.5	9	1.6	



Insert	Designation	Recommended machining conditions		Coated							Uncoated		
		ap (mm)	Feed (mm/tooth)	TT9080	TT9030	TT8080	TT8020	TT8525	TT7080	TT7515	TT6080		K10
	SVKT 114508-ML	10.0	0.15-0.04	●		●							
	114516-ML	9.0	0.15-0.04	●		●							
	SVKT 114508-L	10.0	0.12-0.03	●		●							
	SVHT 114508-L	10.0	0.12-0.03	●		●							

●: Standard items



CHASE 12 MILL

FACE MILLING

45° Face Mill with High Positive Economical 12 Cutting Edge Insert for Higher Productivity



✓ High productivity
with maximum
No. of teeth



✓ Strong tool body
and reinforced cutting edge



✓ Economical 12 edge insert

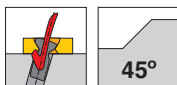
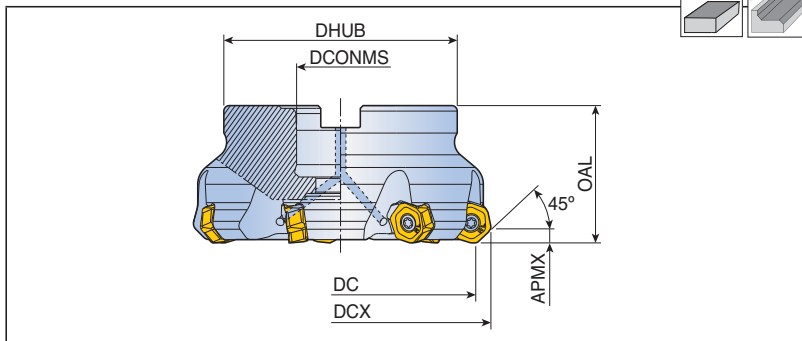


✓ 45° face milling



12D-TF45-06

Face mills



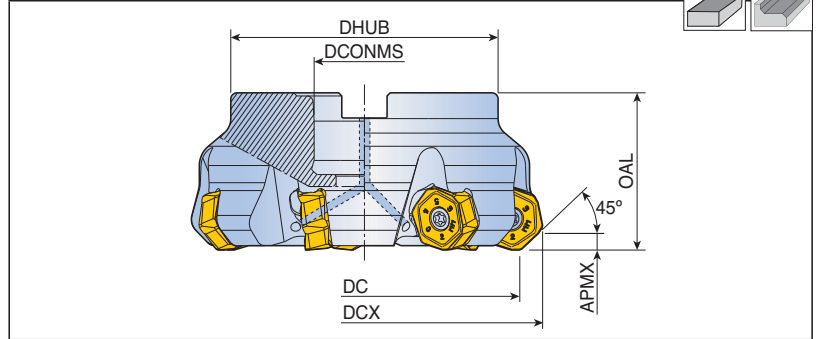
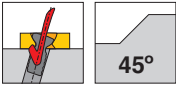
Designation		Dimension (mm)						Coolant	Arbor type		Mounting bolt	Insert
		DC	DCX	DCONMS	DHUB	OAL	APMX					
12D-TF45-440-16R-06	4	40	50.8	16	38	40	3.0	●	A	0.3	SH M8x25	HXK(H)U 0605...
450-22R-06	4	50	60.8	22	45	40	3.0	●	A	0.5	LH M10x25	
650-22R-06	6	50	60.8	22	45	40	3.0	●	A	0.5	LH M10x25	
563-22R-06	5	63	73.8	22	47	40	3.0	●	A	0.7	LH M10x25	
763-22R-06	7	63	73.8	22	47	40	3.0	●	A	0.7	LH M10x25	
680-27R-06	6	80	90.8	27	70	50	3.0	●	A	1.5	SH M12x35	
1080-27R-06	10	80	90.8	27	70	50	3.0	●	A	1.5	SH M12x35	
7100-32R-06	7	100	110.8	32	85	50	3.0	●	A	2.2	SH M16x35	
12100-32R-06	12	100	110.8	32	85	50	3.0	●	A	2.2	SH M16x35	
10125-40R-06	10	125	135.8	40	85	63	3.0	●	A	3.6	SH M20x40	
16125-40R-06	16	125	135.8	40	85	63	3.0	●	A	3.6	SH M20x40	
12160-40R-06	12	160	170.8	40	110	63	3.0	x	C	4.9	-	
20160-40R-06	20	160	170.8	40	110	63	3.0	x	C	4.9	-	

Spare parts

Designation	Screw	Wrench	Wrench handle		
	12D-TF45-06	 TS 40B100I	 TBLD T15-W6	 SW6-T	

12D-TF45-10

Face mills



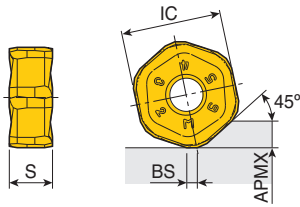
Designation		Dimension (mm)						Coolant	Arbor style	Kg	Mounting bolt	Insert
		DC	DCX	DCONMS	DHUB	OAL	APMX					
12D-TF45-563-22R-10	5	63	77.5	22	47	50	5.0	●	A	0.9	SH M10x30	HXK(H)U 1007...
763-22R-10	7	63	77.5	22	47	50	5.0	●	A	0.9	SH M10x30	
680-27R-10	6	80	94.5	27	70	50	5.0	●	A	1.6	SH M12x35	
980-27R-10	9	80	94.5	27	70	50	5.0	●	A	1.6	SH M12x35	
7100-32R-10	7	100	114.5	32	85	50	5.0	●	A	2.4	LH M16x35	
11100-32R-10	11	100	114.5	32	85	50	5.0	●	A	2.4	LH M16x35	
8125-40R-10	8	125	139.5	40	85	63	5.0	●	A	4.1	SH M20x40	
14125-40R-10	14	125	139.5	40	85	63	5.0	●	A	4.0	SH M20x40	
10160-40R-10	10	160	174.5	40	110	63	5.0	x	C	5.6	-	
16160-40R-10	16	160	174.5	40	110	63	5.0	x	C	5.6	-	
14200-60R-10	14	200	214.5	60	130	63	5.0	x	C	7.9	-	
21200-60R-10	21	200	214.5	60	130	63	5.0	x	C	7.9	-	
16250-60R-10	16	250	264.5	60	160	63	5.0	x	C	12.4	-	
26250-60R-10	26	250	264.5	60	160	63	5.0	x	C	12.4	-	

Spare parts

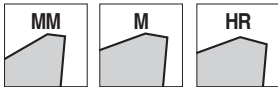
Designation	Screw	Wrench	Wrench handle		
	12D-TF45-10	TS 50C130I/HG	TBLD T20-W6	SW6-T	

HXK(H)U

Inserts

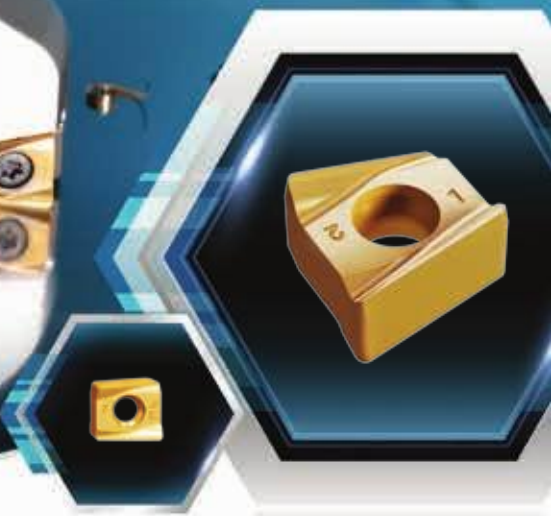
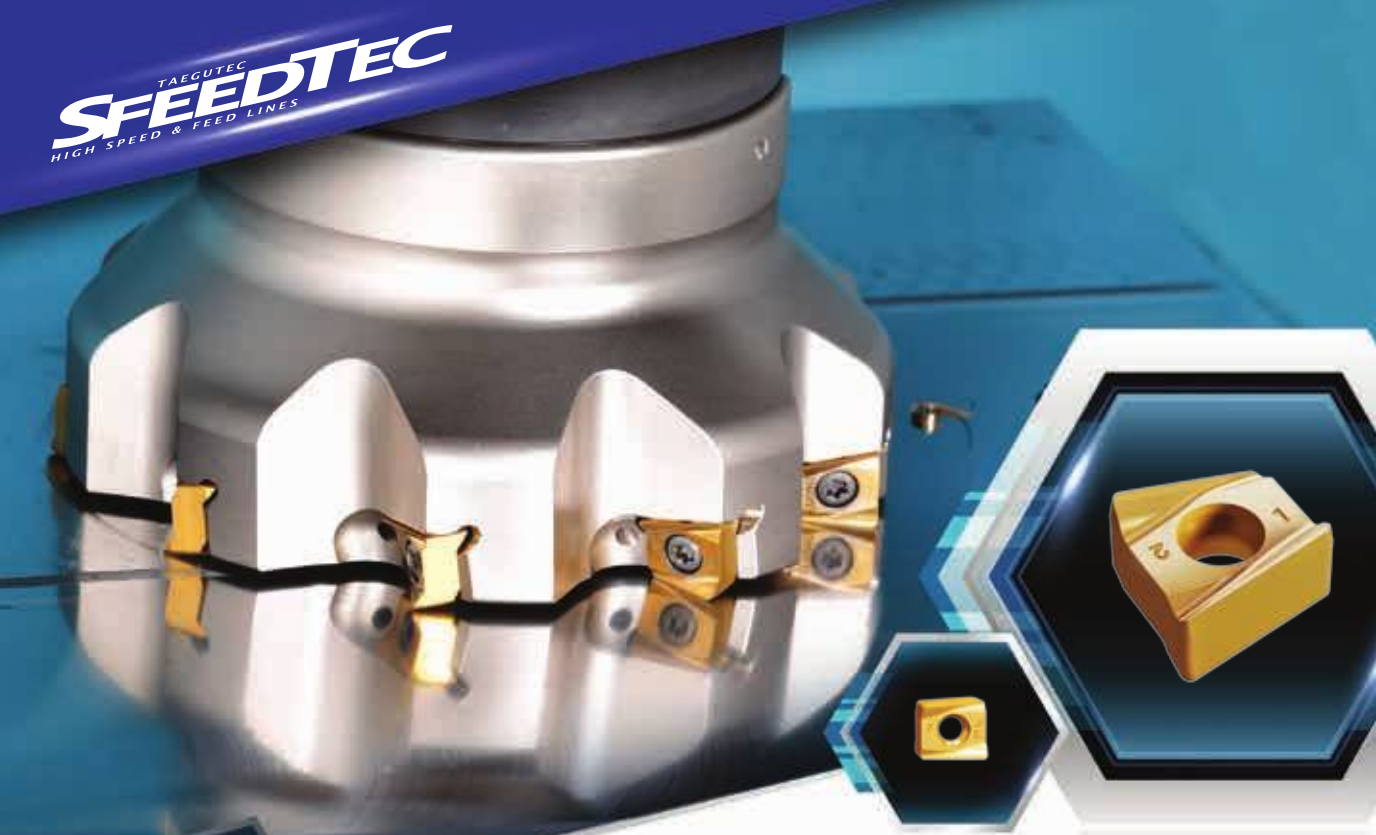


Size	Dimension (mm)				
	IC	S	APMX	BS	
06-MM	14	6.7	3.0	1.3	
06-M	14	6.7	3.0	0.8	
10-MM	19.1	8.2	5.0	1.6	
10-M/HR	19.1	8.2	5.0	1.0	



Insert	Designation	Recommended machining conditions		Coated							Uncoated		
		ap (mm)	Feed (mm/tooth)	TT9080	TT9030	TT8080	TT8020	TT8525	TT7080	TT7515	TT6080	K10	
	HXHU 0605 ANR-MM	1.0-3.0	0.35-0.10	●							●		
	1007 ANR-MM	2.0-5.0	0.45-0.10								●		
	HXKU 0605 ANR-M	1.0-3.0	0.25-0.10	●				●					
	1007 ANR-M	2.0-5.0	0.30-0.10	●				●					
	HXKU 1007 ANR-HR	2.0-5.0	0.60-0.10					●					
		2.0-5.0	0.70-0.10						●				

●: Standard items



CHASE4FINISH

HIGH FEED MILL

Super Finish Mill with Semi-Tangentially Clamped Wiper Insert

✓ Super surface finish with wide wiper geometry



✓ High positive 4-corner insert



✓ No set-up time with special tool design

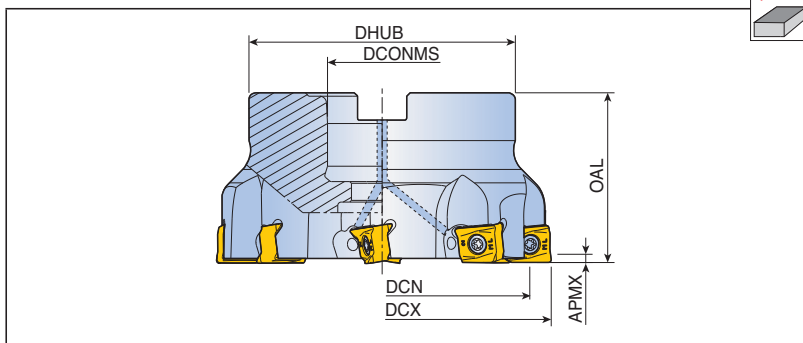


✓ Insert for steel, cast iron and aluminum



4W-TF90-12

Finish mills



Designation		Dimension (mm)						Coolant	Arbor type	Kg	Mounting bolt	Insert
		DCX	DCN	DCONMS	DHUB	OAL	APMX					
4W-TF90-550-22R-12	5	50	38.9	22	45	40	0.5	●	A	0.4	SH M10x30	4WHU 1207...
663-22R-12	6	63	50.9	22	47	40	0.5	●	A	0.5	SH M10x30	
880-27R-12	8	80	66.9	27	58	50	0.5	●	A	1.1	SH M12x35	
8100-32R-12	8	100	86.9	32	66	50	0.5	●	A	1.6	SH M16x35	
10125-40R-12	10	125	110.9	40	85	63	0.5	●	A	3.1	SH M20x40	
10160-40R-12	10	160	145.9	40	110	63	0.5	x	C	4.1	-	

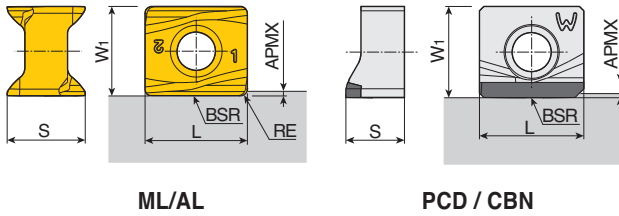
- DCN: Cutting diameter minimum
- DCX: Cutting diameter maximum

Spare parts

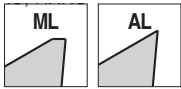
Designation	Screw	Wrench	Wrench handle		
4W-TF90-12	TS 40A115I	TBLD T15-W6	SW6-T		

4WHU

Inserts

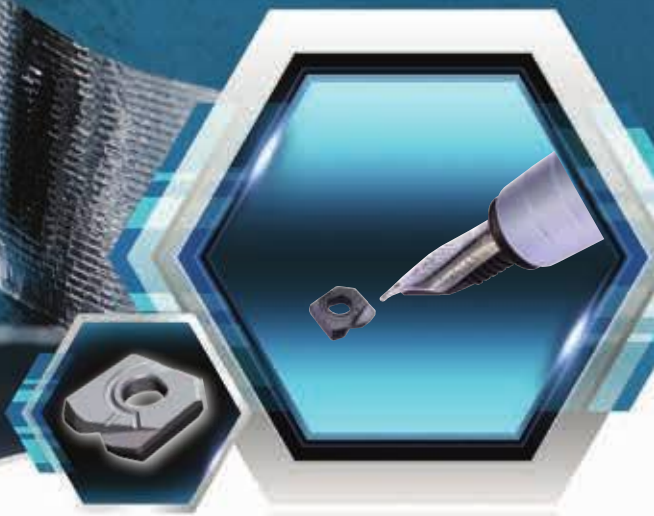


Size	Dimension (mm)					
	L	W ₁	S	APMX	RE	BSR
12-ML/AL	12	10.5	9.1	0.5	0.8	1000
12-PCD	12	10.5	6.7	0.5	-	1000
12-CBN	12	10.5	6.7	0.5	-	1000



Insert	Designation	Recommended machining conditions		Coated					Uncoated	PCD	CBN
		ap (mm)	Feed (mm/tooth)	TT9080	TT9030	TT8080	TT8020	TT6080	K10	TD810	KB90
	4WHU 1207-ML	0.25-0.5	0.25-0.10	●				●			
	4WHU 1207-AL	0.25-0.5	0.25-0.10						●		
	4WHU 1207-PCD	0.25-0.5	0.25-0.10							●	
	4WHU 1207-CBN	0.25-0.5	0.25-0.10								●

●: Standard items



NANRUSH

HIGH FEED MILL

Nano Indexable Insert for High Feed Milling



✓ High feed geometry



✓ Nano size insert



✓ Very high ramping down angle



✓ Direct coolant supply to the insert's cutting edge

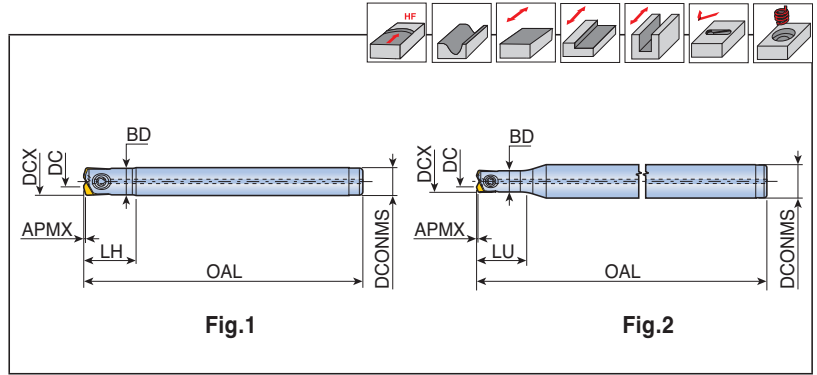


✓ Simple and strong screw clamping

THFN



High feed end mills

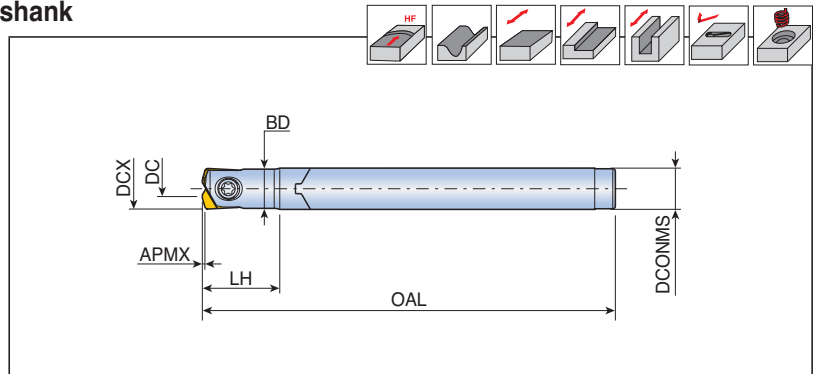


Designation		Dimension (mm)								Coolant	Fig.	Insert
		DCX	DC	DCONMS	BD	OAL	LH	LU	APMX			
THFN 060-06-L80	2	6	3	6	5.8	80	13	-	0.3	●	1	HFN 060...
060-10-L120	2	6	3	10	5.8	120	-	13	0.3	●	2	
080-08-L80	2	8	4	8	7.6	80	18	-	0.5	●	1	
080-12-L140	2	8	4	12	7.6	140	-	18	0.5	●	2	HFN 080...

THFN-CT



High feed end mills - Carbide shank

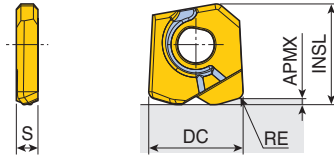


Designation		Dimension (mm)								Coolant	Insert
		DCX	DC	DCONMS	BD	OAL	LH	APMX			
THFN 060-06-CT-L80	2	6	3	6	5.8	80	20	0.3	x	HFN 060...	
060-06-CT-L140	2	6	3	6	5.8	140	25	0.3	x		
080-08-CT-L80	2	8	4	8	7.6	80	20	0.5	x	HFN 080...	
080-08-CT-L160	2	8	4	8	7.6	160	30	0.5	x		

Spare parts

Designation	Screw	Wrench	Wrench	Wrench handle	
	THFN 060	 TS 20F060A	 TD 6	 -	 -
THFN 080	 TS 25F080A	 -	 TBLD T08-W4	 THND 4W	

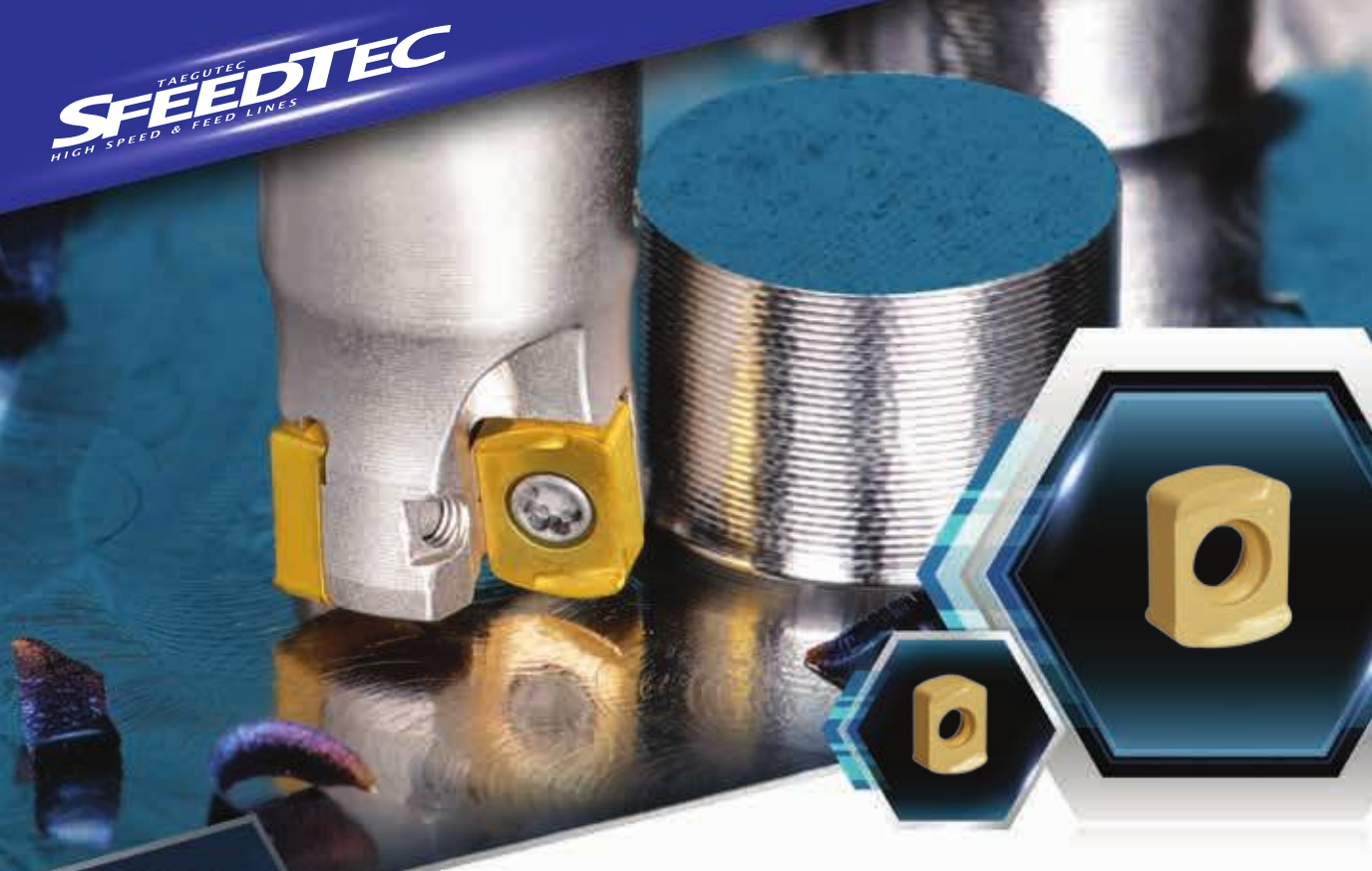
High feed inserts



Size	Dimension (mm)					
	INSL	DC	S	APMX	RE	
06	5.9	6	1.6	0.3	0.5	
08	8.4	8	1.8	0.5	0.6	

Insert	Designation	Recommended machining conditions		Coated							Uncoated			
		ap (mm)	Feed (mm/tooth)	TT9080	TT9030	TT8080	TT8020	TT8525	TT7080	TT7515	TT6080	TT5515	K10	
	HFN 060-M	0.1-0.2	0.50-0.30											
	080-M	0.2-0.3	0.50-0.30											

●: Standard items



CHASE4FEED

HIGH FEED MILL

Versatile High Feed Mill with Strong 4 Cutting Edge Insert



✓ High feed insert with strong geometry

✓ High productivity with maximum No. of teeth

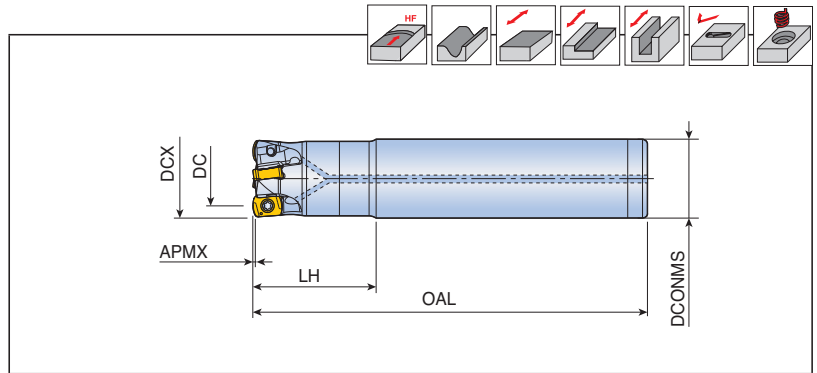
✓ High positive rake angle

✓ Good chip evacuation

✓ Various insert options and cutter range

TEBL-04

High feed end mills



Designation		Dimension (mm)						Coolant	Insert
		DCX	DC	DCONMS	OAL	LH	APMX		
TEBL 108-08-04-L80	1	8	3.8	8	80	20	0.5	●	BLMP 0402...
210-10-04-L100	2	10	5.6	10	100	20	0.5	●	
211-10-04-L100	2	11	6.6	10	100	20	0.5	●	
312-12-04-L110	3	12	7.6	12	110	20	0.5	●	
313-12-04-L110	3	13	8.6	12	110	20	0.5	●	
416-16-04-L150	4	16	11.6	16	150	25	0.5	●	
417-16-04-L200	4	17	12.6	16	200	25	0.5	●	
520-20-04-L200	5	20	15.5	20	200	25	0.5	●	
521-20-04-L200	5	21	16.5	20	200	25	0.5	●	

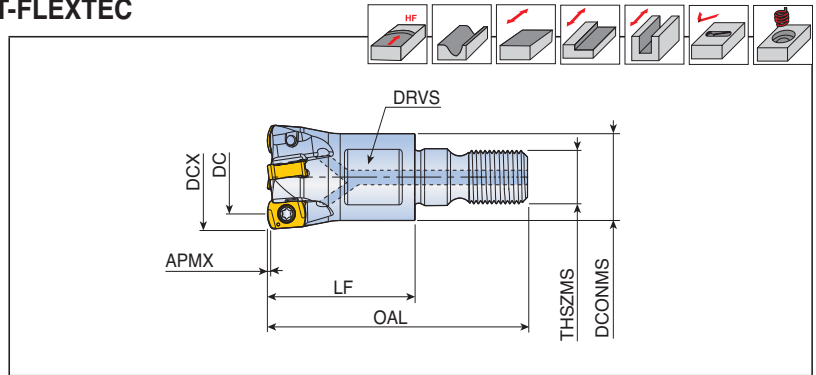
Spare parts

Designation	Screw	Wrench			
	TEBL-04	TS 18041/HG	TD 6P		

TEBL-M-04



High feed modular heads for T-FLEXTEC



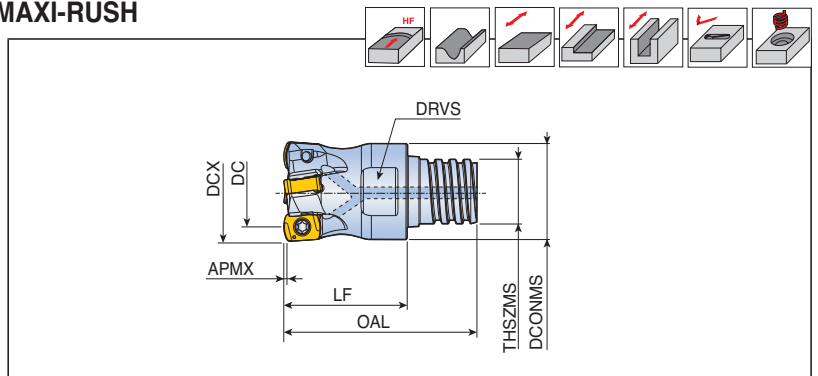
Designation		Dimension (mm)								Coolant	Insert
		DCX	DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS		
TEBL 210-M06-04	2	10	5.6	9.7	17	31.5	M06	0.5	8	●	BLMP 0402...
211-M06-04	2	11	6.6	9.7	17	31.5	M06	0.5	8	●	
312-M06-04	3	12	7.6	11	17	31.5	M06	0.5	8	●	
313-M06-04	3	13	8.6	11	17	31.5	M06	0.5	8	●	
416-M08-04	4	16	11.6	13	23	40.5	M08	0.5	10	●	
417-M08-04	4	17	12.6	13	23	40.5	M08	0.5	10	●	
520-M10-04	5	20	15.5	18	23	43	M10	0.5	15	●	
725-M12-04	7	25	20.6	21	27	49	M12	0.5	17	●	
832-M16-04	8	32	27.5	29	27	52	M16	0.5	25	●	

• Matched with T-FLEXTEC holder

TEBL-S-04



High feed modular heads for MAXI-RUSH



Designation		Dimension (mm)								Coolant	Insert
		DCX	DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS		
TEBL 210-S06-04	2	10	5.6	9.6	15	21.3	S06	0.5	8	●	BLMP 0402...
312-S08-04	3	12	7.6	11.5	16	23.5	S08	0.5	10	●	
416-S10-04	4	16	11.6	15.2	20	31.3	S10	0.5	13	●	

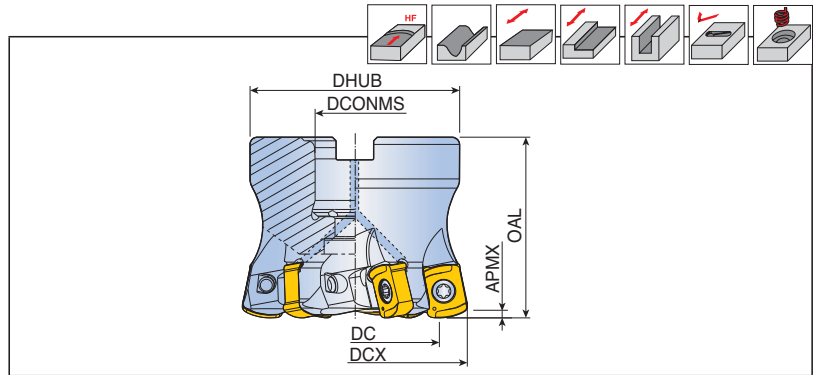
• Matched with MAXI-RUSH holder

Spare parts

Designation	Screw	Wrench			
	TEBL-04	 TS 18041I/HG	 TD 6P		

TFMBL-11

High feed face mills



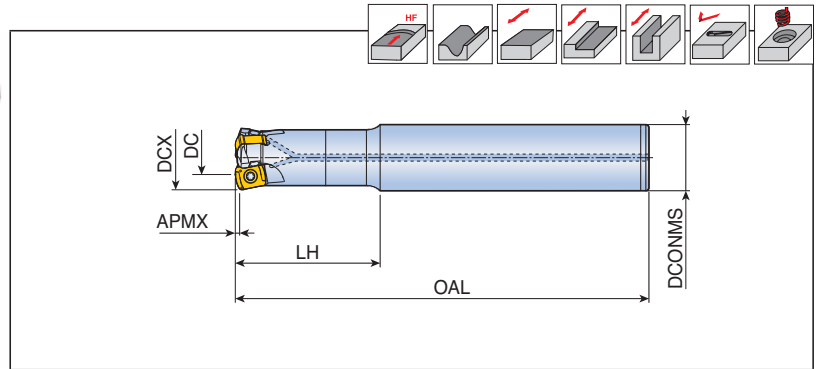
Designation		Dimension (mm)						Coolant	Arbor type	Kg	Mounting bolt	Insert
		DCX	DC	DCONMS	DHUB	OAL	APMX					
TFMBL 440-16R-11	4	40	24.4	16	30	40	2.0	●	E	0.2	KTB 32B	BLMP 1105...
450-22R-11	4	50	34.4	22	45	40	2.0	●	A	0.3	LH M10x25	
550-22R-11	5	50	34.4	22	45	40	2.0	●	A	0.3	LH M10x25	
552-22R-11	5	52	36.4	22	45	40	2.0	●	A	0.3	LH M10x25	
563-22R-11	5	63	48.4	22	58	50	2.0	●	A	0.7	SH M10x30	
663-22R-11	6	63	48.4	22	58	50	2.0	●	A	0.7	SH M10x30	
666-22R-11	6	66	50.3	22	58	50	2.0	●	A	0.8	SH M10x30	
680-27R-11	6	80	64.3	27	70	60	2.0	●	A	1.4	SH M12x30	
780-27R-11	7	80	64.3	27	70	60	2.0	●	A	1.4	SH M12x30	
6100-32R-11	6	100	84.3	32	85	60	2.0	●	A	2.2	SH M16x35	
7100-32R-11	7	100	84.3	32	85	60	2.0	●	A	2.2	SH M16x35	
8125-32R-11	8	125	109.3	32	85	60	2.0	●	A	2.5	SH M20x40	
10125-40R-11	10	125	109.3	40	85	60	2.0	●	A	2.7	SH M20x40	
10160-40R-11	10	160	144.3	40	110	60	2.0	x	C	3.9	-	
12200-60R-11	12	200	184.3	60	130	60	2.0	x	C	5.8	-	

Spare parts

Designation	Screw	Wrench	Wrench handle		
	TFMBL-11	TS 50A121I/HG	TBLD T20-W6	SW6-T	

TEBL-11

High feed end mills



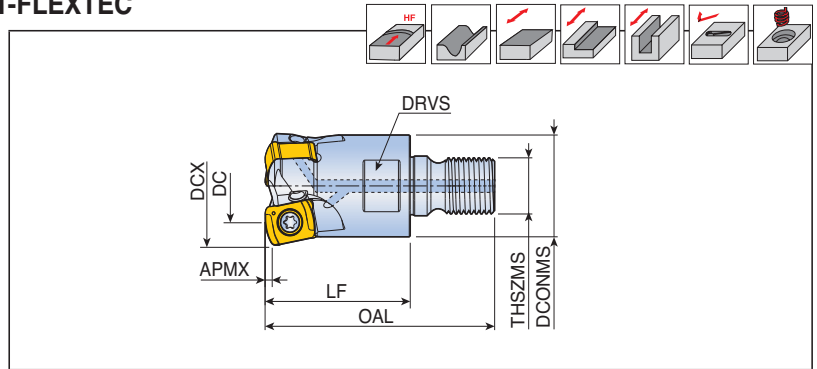
Designation		Dimension (mm)						Coolant	Insert
		DCX	DC	DCONMS	OAL	LH	APMX		
TEBL 230-32-11-L150	2	30	14.7	32	150	70	2.0	●	BLMP 1105...
232-32-11-L150	2	32	16.6	32	150	70	2.0	●	
232-32-11-L200	2	32	16.6	32	200	70	2.0	●	
332-32-11-L200	3	32	16.6	32	200	70	2.0	●	
233-32-11-L200	2	33	17.6	32	200	40	2.0	●	
233-32-11-L250	2	33	17.6	32	250	50	2.0	●	
333-32-11-L250	3	33	17.6	32	250	50	2.0	●	
335-32-11-L200	3	35	19.5	32	200	40	2.0	●	
340-32-11-L150	3	40	24.4	32	150	40	2.0	●	
340-32-11-L200	3	40	24.4	32	200	40	2.0	●	

Spare parts

Designation	Screw	Wrench	Wrench handle		
TEBL-11	TS 50A121I/HG	TBLD T20-W6	THND 6W		

TEBL-M-11

High feed modular heads for T-FLEXTEC



Designation		Dimension (mm)								Coolant	Insert
		DCX	DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS		
TEBL 230-M16-11	2	30	14.7	29	43	68	M16	2.0	25	●	BLMP 1105...
232-M16-11	2	32	16.6	29	43	68	M16	2.0	25	●	
233-M16-11	2	33	17.6	29	43	68	M16	2.0	25	●	
335-M16-11	3	35	19.5	29	43	68	M16	2.0	25	●	
340-M16-11	3	40	24.4	29	43	68	M16	2.0	25	●	
342-M16-11	3	42	26.4	29	43	68	M16	2.0	25	●	

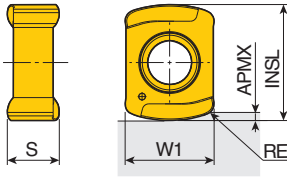
- Matched with T-FLEXTEC holder

Spare parts

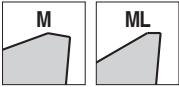
Designation	Screw	Wrench	Wrench handle		
TEBL-11	TS 50A121I/HG	TBLD T20-W6	THND 6W		

BLMP

High feed inserts

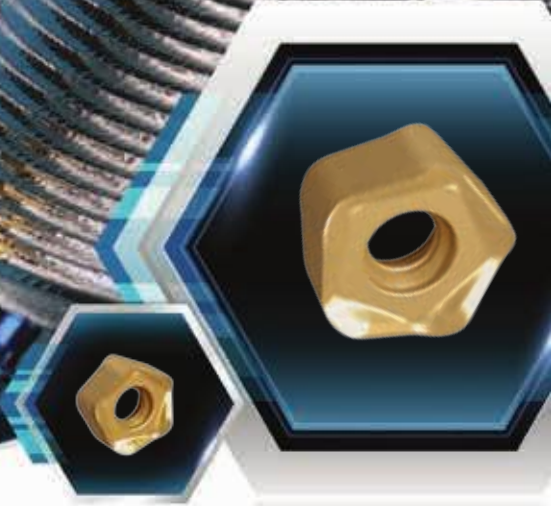


Size	Dimension (mm)					
	INSL	W ₁	S	APMX	RE	
04	6.0	4.2	2.5	0.5	0.5	
11	14.6	11.2	6.5	2.0	1.3	



Insert	Designation	Recommended machining conditions		Coated								Uncoated		
		ap (mm)	Feed (mm/tooth)	TT9080	TT9030	TT8080	TT8020	TT8525	TT7080	TT7515	TT6080	TT2510	K10	
	BLMP 0402R-M	0.1-0.5	1.50-0.20	●		●						●		
	1105R-M	0.3-2.0	4.00-0.30	●		●		●				●		
	BLMP 0402R-ML	0.1-0.5	0.80-0.10	●		●								
	1105R-ML	0.3-2.0	4.00-0.30	●		●								

●: Standard items



CHASE 10 MILL

FACE MILLING

High Feed and 65° Face Mill with Double-sided Pentagonal Insert

✓ High feed milling and 65° face milling

✓ Economical double-sided pentagonal insert

✓ High positive rake angle

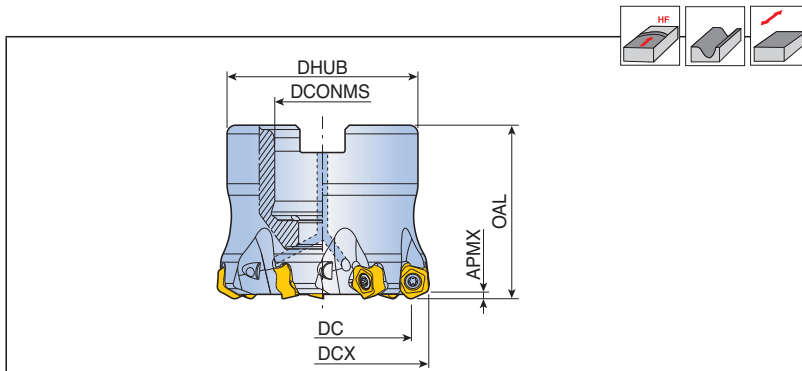
✓ Strong insert cutting edge

✓ Good chip evacuation



TFMPT-05

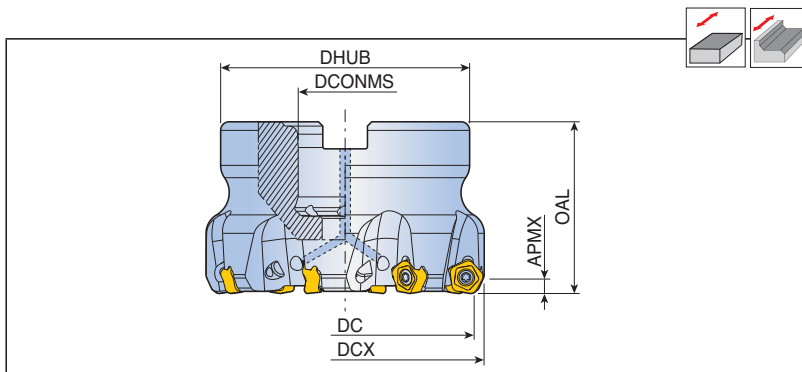
High feed face mills



Designation		Dimension (mm)						Coolant	Arbor type	Kg	Mounting bolt	Insert
		DCX	DC	DCONMS	DHUB	OAL	APMX					
TFMPT 640-16R-05	6	40	31.8	16	38	40	1.5	●	A	0.3	SH M8x25	PTKU 0503...
750-22R-05	7	50	41.8	22	45	40	1.5	●	A	0.4	LH M10x25	
752-22R-05	7	52	43.8	22	45	40	1.5	●	A	0.3	LH M10x25	
863-22R-05	8	63	54.8	22	58	50	1.5	●	A	0.8	SH M10x30	
866-27R-05	8	66	57.8	27	58	50	1.5	●	A	0.7	SH M12x35	

TFM65PT-05

Face mills



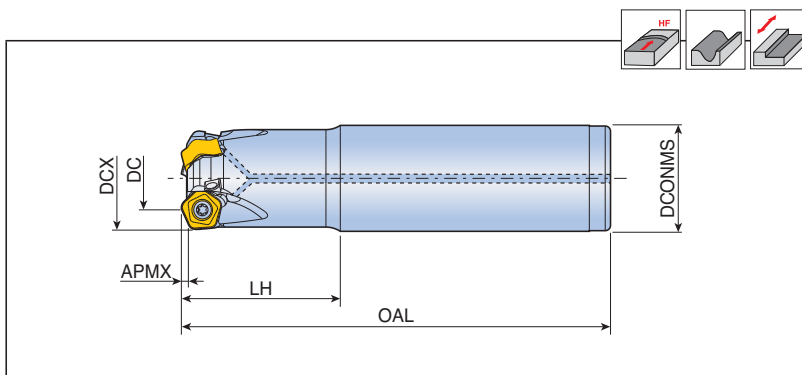
Designation		Dimension (mm)						Coolant	Arbor type	Kg	Mounting bolt	Insert
		DC	DCX	DCONMS	DHUB	OAL	APMX					
TFM65PT 640-16R-05	6	40	43.7	16	38	40	3.3	●	A	0.3	SH M8x25	PTKU 0503...
750-22R-05	7	50	53.7	22	45	40	3.3	●	A	0.4	SH M10x30	
863-22R-05	8	63	66.7	22	58	40	3.3	●	A	0.7	SH M10x30	

Spare parts

Designation	Screw	Wrench			
TFMPT-05	TS 25D060/HG-P	TD 7P			
TFM65PT-05	TS 25D060/HG-P	TD 7P			

TEPT-05

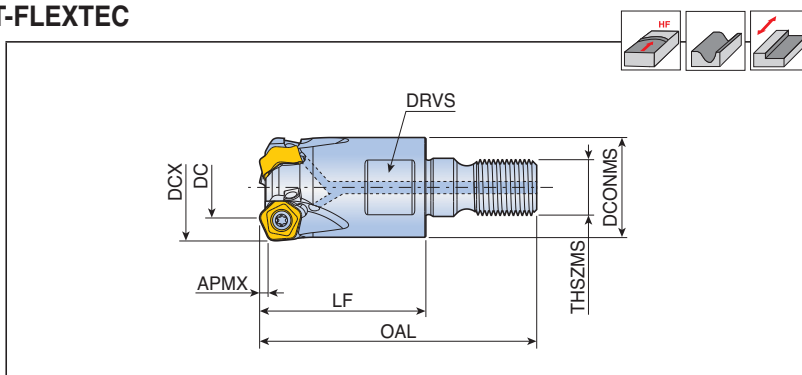
High feed end mills



Designation		Dimension (mm)						Coolant	Insert
		DCX	DC	DCONMS	OAL	LH	APMX		
TEPT 320-20-05-L150	3	20	11.9	20	150	50	1.5	●	PTKU 0503 ...
425-25-05-L150	4	25	16.8	25	150	50	1.5	●	
426-25-05-L200	4	26	17.8	25	200	30	1.5	●	
532-32-05-L200	5	32	23.8	32	200	50	1.5	●	
533-32-05-L200	5	33	24.8	32	200	30	1.5	●	
640-32-05-L200	6	40	31.8	32	200	30	1.5	●	

TEPT-M-05

High feed modular heads for T-FLEXTEC



Designation		Dimension (mm)								Coolant	Insert
		DCX	DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS		
TEPT 320-M10-05	3	20	11.9	18	30	50	M10	1.5	15	●	PTKU 0503...
425-M12-05	4	25	16.8	21	35	57	M12	1.5	17	●	
532-M16-05	5	32	23.8	29	43	68	M16	1.5	25	●	
640-M16-05	6	40	31.8	29	43	68	M16	1.5	25	●	

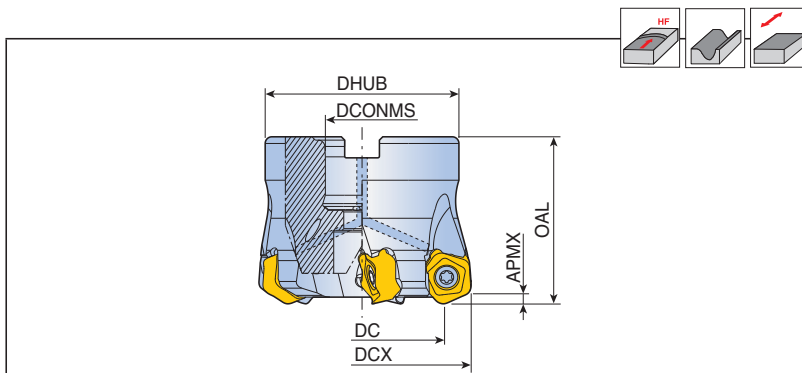
• Matched with T-FLEXTEC holder

Spare parts

Designation	Screw	Wrench			
	TEPT-05	TS 25D060/HG-P	TD 7P		

TFMPT-10

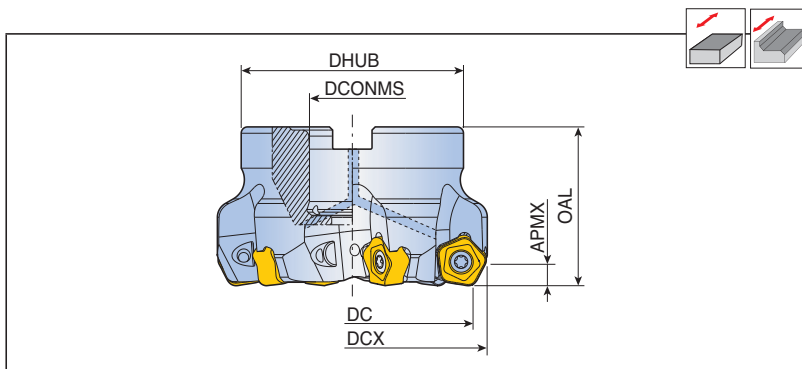
High feed face mills



Designation		Dimension (mm)						Coolant	Arbor type	Kg	Mounting bolt	Insert
		DCX	DC	DCONMS	DHUB	OAL	APMX					
TFMPT 450-22R-10	4	50	33.4	22	45	40	3.0	●	E	0.3	TCS10-40	PTKU 1006...
563-22R-10	5	63	46.4	22	58	50	3.0	●	A	0.8	SH M10x30	
566-22R-10	5	66	49.4	22	58	50	3.0	●	A	0.8	SH M10x30	
680-27R-10	6	80	63.4	27	70	60	3.0	●	A	1.4	SH M12x30	
8100-32R-10	8	100	83.4	32	85	60	3.0	●	A	2.3	SH M16x35	
9125-32R-10	9	125	108.4	32	85	60	3.0	●	A	3.1	SH M16x35	
10160-40R-10	10	160	143.4	40	110	60	3.0	x	C	4.1	-	
12200-60R-10	12	200	183.4	60	130	60	3.0	x	C	5.7	-	

TFM65PT-10

Face mills



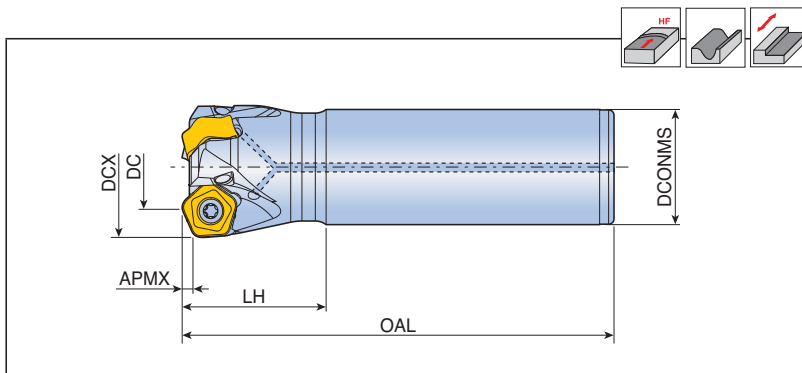
Designation		Dimension (mm)						Coolant	Arbor type	Kg	Mounting bolt	Insert
		DC	DCX	DCONMS	DHUB	OAL	APMX					
TFM65PT 680-27R-10	6	80	87.4	27	70	50	6.5	●	A	1.2	LH M12x30	PTKU 1006...
8100-32R-10	8	100	107.4	32	85	50	6.5	●	A	1.9	LH M16x35	
9125-40R-10	9	125	132.4	40	85	63	6.5	●	A	3.2	SH M20x40	

Spare parts

Designation	Screw	Wrench	Wrench handle		
TFMPT-10	TS 50D130/HG-P	TBLD T20P-W6	SW6-T		
TFM65PT-10	TS 50D130/HG-P	TBLD T20P-W6	SW6-T		

TEPT-10

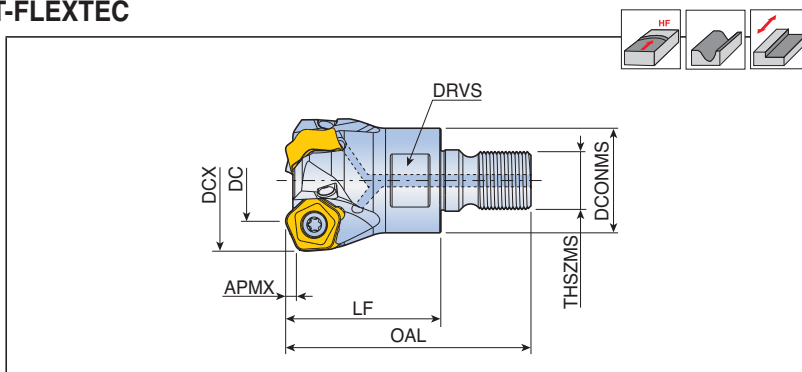
High feed end mills



Designation		Dimension (mm)						Coolant	Insert
		DCX	DC	DCONMS	OAL	LH	APMX		
TEPT 340-32-10-L200	3	40	23.5	32	200	40	3.0	•	PTKU 1006...

TEPT-M-10

High feed modular heads for T-FLEXTEC



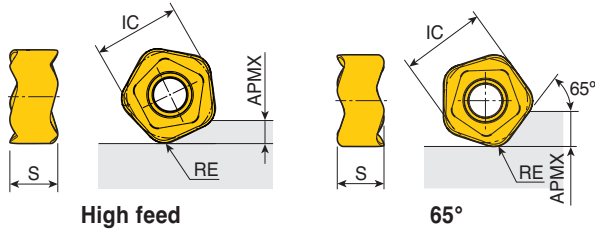
Designation		Dimension (mm)								Coolant	Insert
		DCX	DC	DCONMS	LF	OAL	THSZMS	APMX	DRVS		
TEPT 340-M16-10	3	40	23.5	29	43	68	M16	3.0	25	•	PTKU 1006...

• Matched with T-FLEXTEC holder

Spare parts

Designation	Screw	Wrench	Wrench handle		
	TEPT-10	TS 50D130/HG-P	TBLD T20P-W6	THND 6W	

Inserts

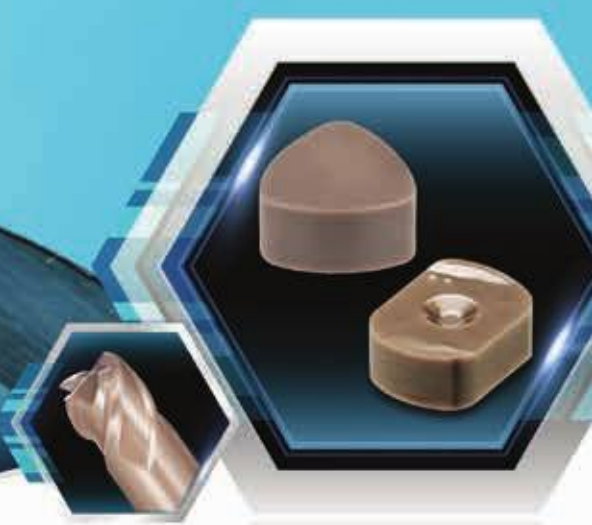


Size	Dimension (mm)				
	IC	S	APMX	RE	
05(HF)	7.1	3.8	1.5	1.5	
05(65°)	7.1	3.8	3.3	1.5	
10(HF)	14.2	7.7	3.0	3.0	
10(65°)	14.2	7.7	6.5	3.0	



Insert	Designation	Recommended machining conditions		Coated							Uncoated	
		ap (mm)	Feed (mm/tooth)	TT9080	TT9030	TT8080	TT8020	TT8525	TT7080	TT7515	TT6080	K10
	PTKU 0503R-M (High feed)	0.2-1.5	1.20-0.20	●		●						
	1006R-M (High feed)	0.3-2.0	2.00-0.30	●		●						
	0503R-M (65°)	1.0-3.0	0.20-0.07	●		●						
	1006R-M (65°)	1.5-5.0	0.25-0.10	●		●						

●: Standard items



CERAMICSPEED

HARDPART & EXOTIC MATERIALS

New SIALON Ceramic Mill for High-Speed Machining of Super Alloy



✓ For super alloy material



✓ High feed and high-speed geometry



✓ High productivity

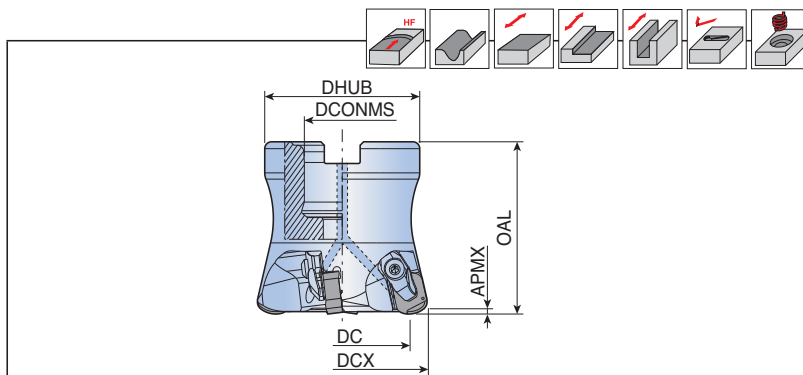


✓ Good chip evacuation



TFMBN-09CH

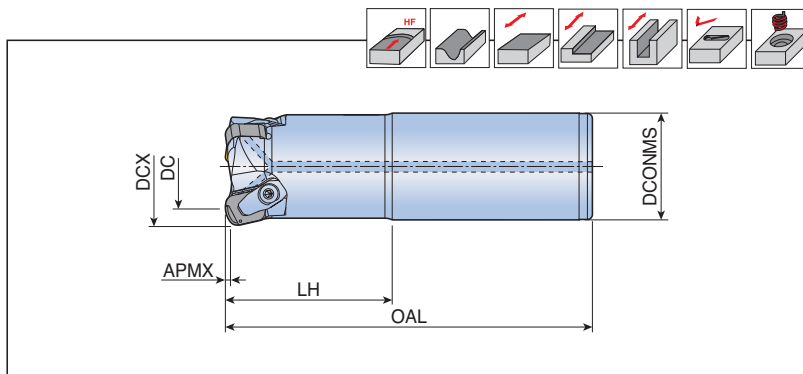
High feed face mills



Designation		Dimension (mm)						Coolant	Arbor type		Mounting bolt	Insert
		DCX	DC	DCONMS	DHUB	OAL	APMX					
TFMBN 440-16R-09CH	4	40	29.4	16	38	40	1.5	●	A	0.2	SH M8x30	BNGX 0904...
350-22R-09CH	3	50	39.4	22	45	40	1.5	●	A	0.5	SH M10x30	
550-22R-09CH	5	50	39.4	22	45	40	1.5	●	A	0.4	SH M10x30	

TEBN-09CH

High feed end mills



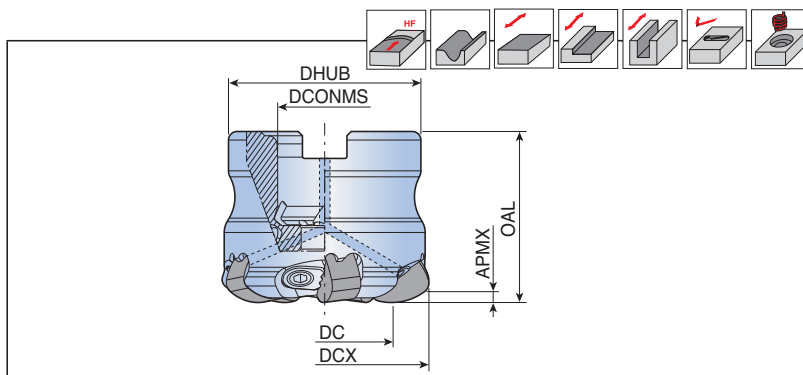
Designation		Dimension (mm)						Coolant	Insert
		DCX	DC	DCONMS	OAL	LH	APMX		
TEBN 225-25-09CH-L100	2	25	14.8	25	100	40	1.5	x	BNGX 0904...
325-25-09CH-L100	3	25	14.8	25	100	40	1.5	x	
332-32-09CH-L120	3	32	21.5	32	120	40	1.5	●	
440-32-09CH-L120	4	40	29.4	32	120	40	1.5	●	

Spare parts

Designation	Clamp	Screw	Snap ring	Wrench	
TFMBN-09CH	CCL-3S	CLS-35A120	CSR 1.25	L-W 2	
TEBN-09CH	CCL-3S	CLS-35A120	CSR 1.25	L-W 2	

TFMBN-12

High feed face mills



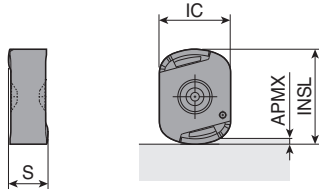
Designation		Dimension (mm)						Coolant	Arbor type	Kg	Mounting bolt	Insert
		DCX	DC	DCONMS	DHUB	OAL	APMX					
TFMBN 450-22R-12	4	50	32.8	22	45	40	2.5	●	A	0.3	SH M10x30	BNGX 1207...
550-22R-12	5	50	32.8	22	45	40	2.5	●	A	0.3	SH M10x30	
663-22R-12	6	63	45.7	22	47	40	2.5	●	A	0.4	SH M10x30	
763-22R-12	7	63	45.7	22	47	40	2.5	●	A	0.4	SH M10x30	
780-27R-12	7	80	62.6	27	70	50	2.5	●	A	1.2	SH M12x35	
880-27R-12	8	80	62.6	27	70	50	2.5	●	A	1.2	SH M12x35	

Spare parts

Designation	Wedge	Screw	Wrench		
	TFMBN-12	 WFZ 6-C	 WS 6	 T-W 3	

BNGX 09

High feed inserts



Size	Dimension (mm)				
	INSL	IC	S	APMX	
09	12	9	5	1.5	

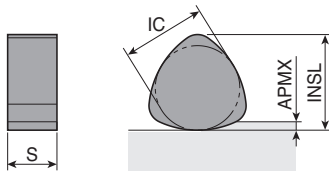
Insert	Designation	Recommended machining conditions		Ceramic		Coated						Uncoated			
		ap (mm)	Feed (mm/tooth)	TC3030	TC3020	TT9080	TT9030	TT8080	TT8020	TT8525	TT7080	TT7515	TT6080	K10	
	BNGX 0904 CH-E04	0.5-1.0	0.35-0.15	●											

● E04: Honing 0.04-0.05 mm

●: Standard items

BNGX 12

High feed inserts



Size	Dimension (mm)				
	INSL	IC	S	APMX	
12	13.6	12	7	2.5	

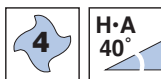
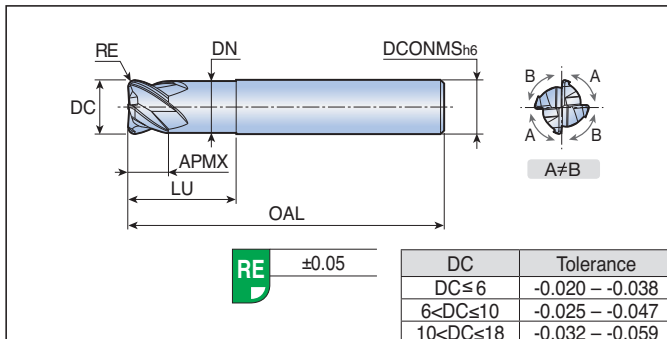
Insert	Designation	Recommended machining conditions		Ceramic		Coated						Uncoated			
		ap (mm)	Feed (mm/tooth)	TC3030	TC3020	TT9080	TT9030	TT8080	TT8020	TT8525	TT7080	TT7515	TT6080	K10	
	BNGX 1207-E04	1.0-2.0	0.35-0.15	●											

● E04: Honing 0.04-0.05 mm

●: Standard items

CRF 4

4 flute, Ceramic end mills

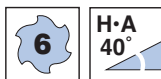
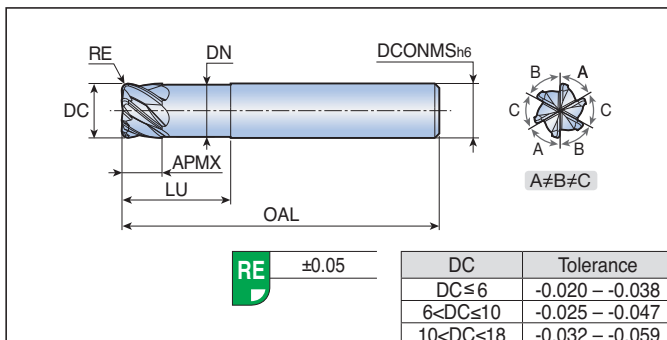


Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	
CRF 4060 050 120	0.02-0.03	6	0.5	50	4.5	12	5.8	6	●
4080 100 160	0.02-0.03	8	1.0	57	6.0	16	7.7	8	●
4100 100 200	0.02-0.04	10	1.0	63	7.5	20	9.6	10	●
4120 150 240	0.03-0.05	12	1.5	70	9.0	24	11.5	12	●
4160 200 320	0.03-0.05	16	2.0	83	12.0	32	15.5	16	●

●: Standard items

CRF 6

6 flute, Ceramic end mills

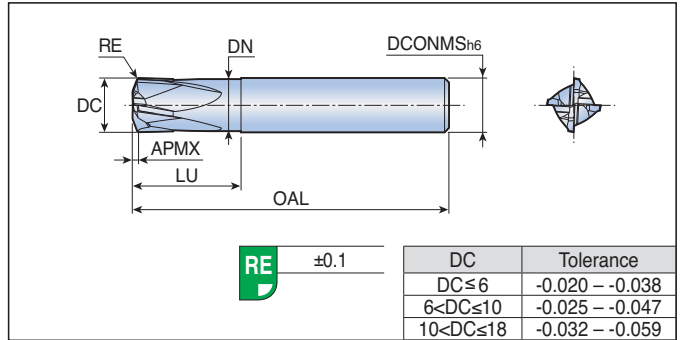


Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	
CRF 6060 050 120	0.02-0.03	6	0.5	50	4.5	12	5.8	6	●
6080 100 160	0.02-0.03	8	1.0	57	6.0	16	7.7	8	●
6100 100 200	0.02-0.04	10	1.0	63	7.5	20	9.6	10	●
6120 150 240	0.03-0.05	12	1.5	70	9.0	24	11.5	12	●
6160 200 320	0.03-0.05	16	2.0	83	12.0	32	15.5	16	●

●: Standard items

CRH 4

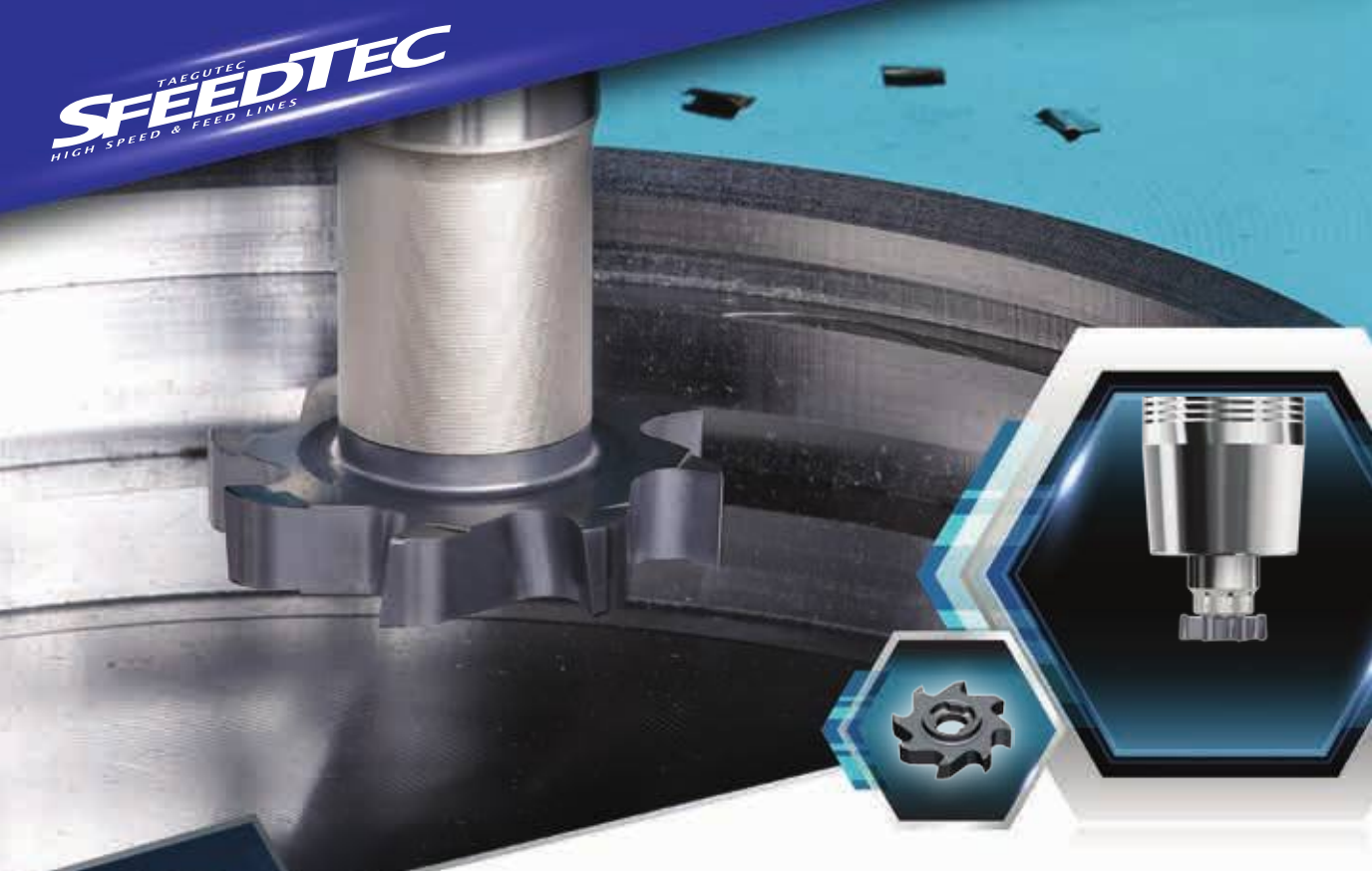
4 flute, Ceramic end mills for high feed milling



Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	OAL	APMX	LU	DN	DCONMS	
CRH 4060	0.1-0.15	6	0.7	50	0.55	12	5.8	6	●
4080	0.1-0.2	8	0.9	57	0.75	16	7.7	8	●
4100	0.1-0.2	10	1.0	63	0.85	20	9.6	10	●
4120	0.1-0.3	12	1.4	70	1.15	24	11.5	12	●
4160	0.1-0.3	16	1.8	83	1.55	32	15.5	16	●

● RE: Program corner R

●: Standard items



MAXISLOT

INDEXABLE SOLID HEADS

Quick Changeable Solid Carbide Head for Multiple Machining

Slotting, Facing and Threading Head



✓ No set-up time with
unique clamping
system



✓ High productivity with
maximum No. of teeth



✓ Various applications with
exchangeable heads

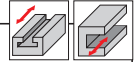
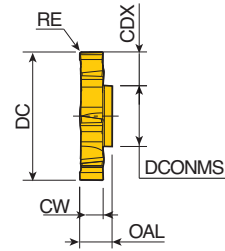
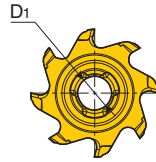
✓ Good chip evacuation



✓ Short overhang



Interchangeable solid carbide slot milling heads



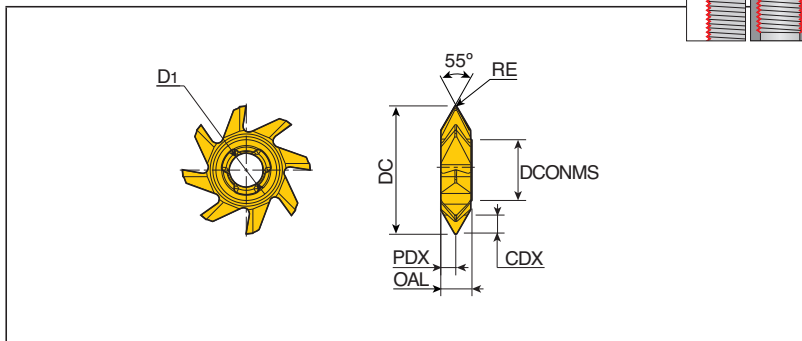
Designation	Feed (mm/tooth)	Dimension (mm)								Grade TT5525
		DC	CW	CDX	NOF	RE	D ₁	DCONMS	OAL	
TR13-S-24.7-3.0R0.4	0.02-0.15	24.7	3	5.5	6	0.4	7.5	13	8	●
24.7-4.0R0.4	0.02-0.15	24.7	4	5.5	6	0.4	7.5	13	8	●
24.7-5.0R0.4	0.02-0.15	24.7	5	5.5	6	0.4	7.5	13	8	●
24.7-6.0R0.4	0.02-0.15	24.7	6	5.5	6	0.4	7.5	13	8	●
24.7-7.0R0.4	0.02-0.15	24.7	7	5.5	6	0.4	7.5	13	8	●
24.7-8.0R0.4	0.02-0.15	24.7	8	5.5	6	0.4	7.5	13	8	●
TR15-S-31.7-3.0R0.4	0.022-0.18	31.7	3	8	8	0.4	8.4	15	8	●
31.7-4.0R0.4	0.022-0.18	31.7	4	8	8	0.4	8.4	15	8	●
31.7-5.0R0.4	0.022-0.18	31.7	5	8	8	0.4	8.4	15	8	●
31.7-6.0R0.4	0.022-0.18	31.7	6	8	8	0.4	8.4	15	8	●
31.7-7.0R0.4	0.022-0.18	31.7	7	8	8	0.4	8.4	15	8	●
31.7-8.0R0.4	0.022-0.18	31.7	8	8	8	0.4	8.4	15	8	●
TR17-S-39.7-4.0R0.4	0.025-0.20	39.7	4	11	10	0.4	9.8	17	10	●
39.7-5.0R0.4	0.025-0.20	39.7	5	11	10	0.4	9.8	17	10	●
39.7-6.0R0.4	0.025-0.20	39.7	6	11	10	0.4	9.8	17	10	●
39.7-7.0R0.4	0.025-0.20	39.7	7	11	10	0.4	9.8	17	10	●
39.7-8.0R0.4	0.025-0.20	39.7	8	11	10	0.4	9.8	17	10	●
39.7-9.0R0.4	0.025-0.20	39.7	9	11	10	0.4	9.8	17	10	●
39.7-10.0R0.4	0.025-0.20	39.7	10	11	10	0.4	9.8	17	10	●

● NOF: Number of flutes

●: Standard items

TR-T-W55

Interchangeable solid carbide threading heads - 55° partial profile

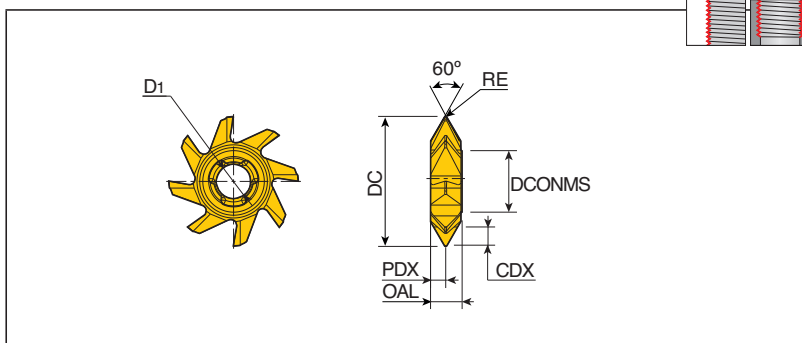


Designation	TPI	Dimension (mm)										Grade
		DC	DMIN	PDX	RE	D ₁	CDX	OAL	ZEFP	DCONMS	TT5525	
TR13-T-24.7-W55-3T	5-3	24.7	36	2.2	0.5	7.5	3.5	7.7	6	13	●	
15-T-31.7-W55-4T	6-4	31.7	46	3.7	0.5	8.4	4.7	7.7	8	15	●	
17-T-39.7-W55-3T	4-3	39.7	57	4.5	0.8	9.8	6.2	9.5	10	17	●	

- TPI: Threads per inch
- ZEFP: Peripheral effective cutting edge count
- Standard items

TR-T-M60

Interchangeable solid carbide threading heads - 60° partial profile

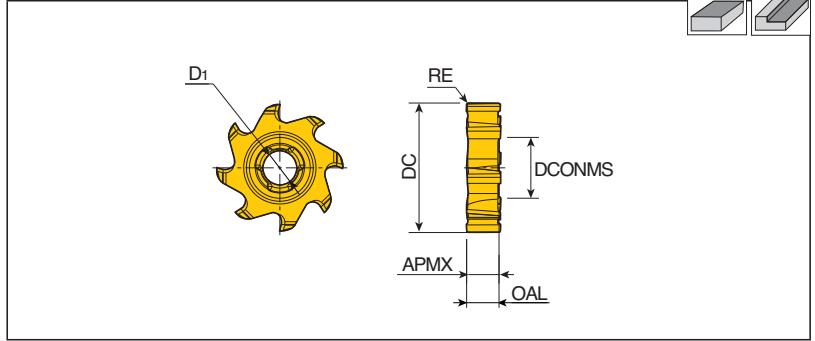


Designation	TP (mm)	TPI	Dimension (mm)										Grade
			DC	DMIN	PDX	RE	D ₁	CDX	OAL	ZEFP	DCONMS	TT5525	
TR13-T-24.7-M60-5P	3-5	5-3	24.7	36	2.2	0.2	7.5	3.5	7.7	6	13	●	
15-T-31.7-M60-6P	4-6	6-4	31.7	46	3.7	0.3	8.4	4.7	7.7	8	15	●	
17-T-39.7-M60-8P	6-8	4-3	39.7	57	4.5	0.4	9.8	6.2	9.5	10	17	●	

- TP: Threads pitch, TPI: Threads per inch
- ZEFP: Peripheral effective cutting edge count
- Standard items

TR-F

Interchangeable solid carbide facing heads



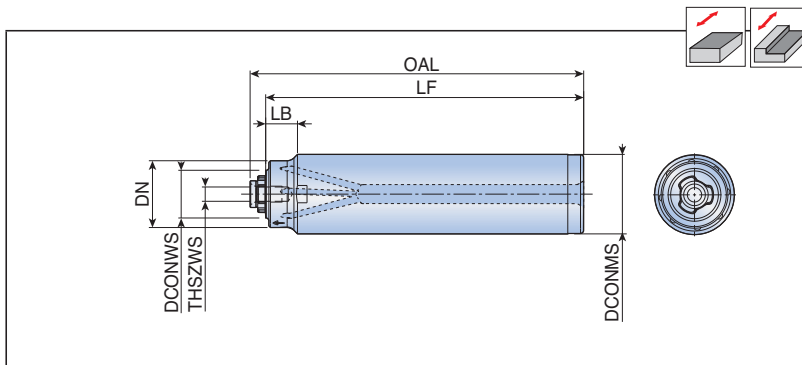
Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	APMX	NOF	RE	D ₁	DCONMS	OAL	TT5525
TR13-F-25-8.0-R0.4	0.04-0.15	24.25	8	6	0.4	7.5	13	8	●
15-F-32-8.0-R0.4	0.04-0.15	31.25	8	8	0.4	8.4	15	8	●
17-F-40-10.0-R0.4	0.04-0.15	39.25	10	10	0.4	9.8	17	10	●

• NOF: Number of flutes

●: Standard items

TR-F-C

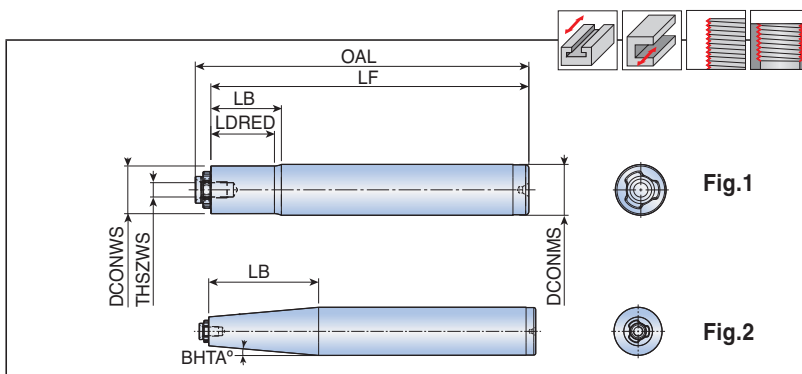
Facing holders



Designation	Dimension (mm)							Coolant	Insert
	DCONMS	DCONWS	LB	LF	OAL	THSZWS	DN		
TR13-20-L100-F-C	20	13	10	100	104.35	M4x0.5	16	●	TR-F.....
13-25-L100-F-C	25	13	12.5	100	104.35	M4x0.5	16	●	
15-25-L100-F-C	25	15	10	100	104.90	M5x0.5	21	●	
15-32-L110-F-C	32	15	13.5	110	114.90	M5x0.5	21	●	
17-32-L140-F-C	32	17	10	140	146.00	M6x0.5	28	●	
17-42-L140-F-C	42	17	15	140	146.00	M6x0.5	28	●	

TR

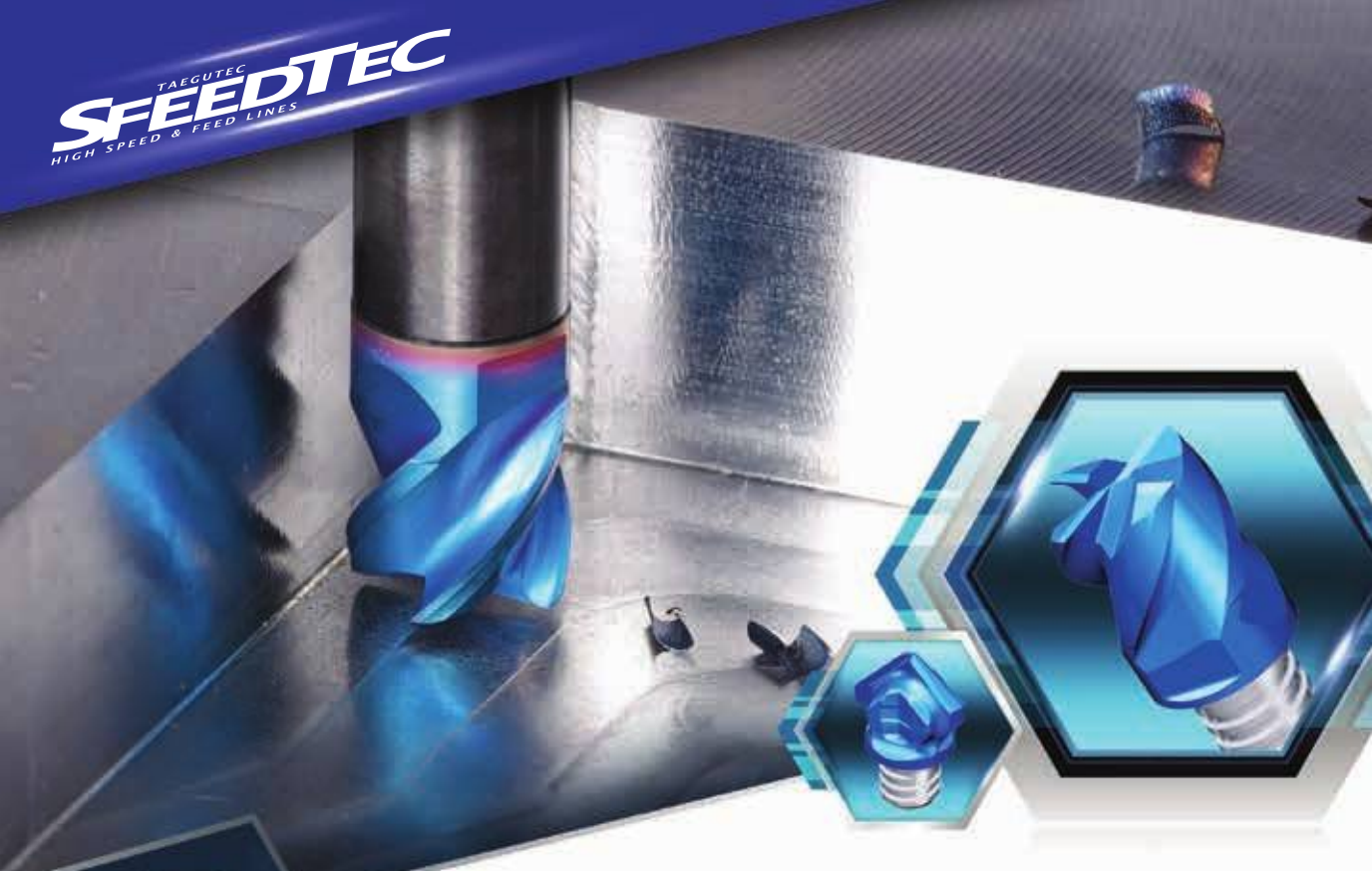
Slotting & threading holders



Designation	Dimension (mm)								Coolant	Fig.	Insert
	DCONMS	DCONWS	LB	LF	OAL	THSZWS	LDRED	BHTA°			
TR13-16-L100	16	13	16.6	100	104.35	M4x0.5	13.0	-	x	1	TR-S.. TR-T..
15-16-L100	16	15	18.2	100	104.90	M5x0.5	16.0	-	x	1	
15-16-L130	16	15	18.2	130	134.90	M5x0.5	16.0	-	x	1	
17-20-L140	20	17	23.8	140	146.00	M6x0.5	20.2	-	x	1	
15-25-TC170	25	15	57.2	170	174.90	M5x0.5	-	5	x	2	

Spare parts

Designation	Screw	Wrench	Wrench handle		
	TR13	TS 40T098/HG-P	BLD IP15/S7	SW6-T	
TR15	TS 50T110/HG-P	BLD IP20/S7	SW6-T		
TR17	TS 60T130/HG-P	BLD IP20/S7	SW6-T		



MAXIRUSH

INDEXABLE SOLID HEADS

New Head Changeable Solid Carbide End Mill

✓ No set-up time unique clamping system

✓ Cost effective end mill

✓ Various applications with exchangeable heads

✓ Strong and precise double clamping system

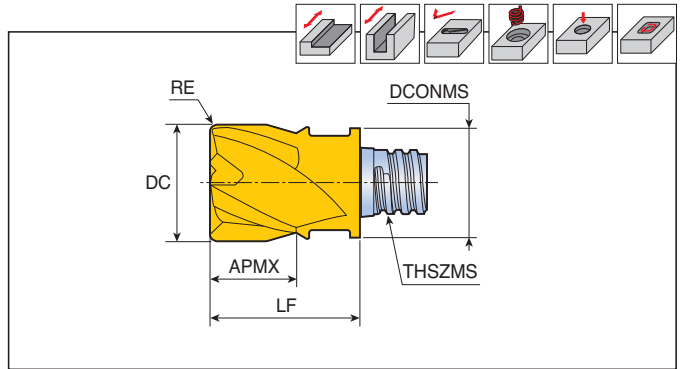
✓ New coating grade with shiny blue color



MXEE(D)-03/04



3&4 flute, for general purpose



Designation	Feed (mm/tooth)	Dimension (mm)									Grade
		DC	NOF	RE	FHA	APMX	THSZMS	DCONMS	LF	TT5523	
MXEE 080L05R00-03S05	0.030-0.080	8	3	-	45	5	S05	7.7	10	●	
MXEE 100L07R00-03S06	0.035-0.090	10	3	-	45	7	S06	9.7	13	●	
MXEE 120L09R00-03S08	0.035-0.110	12	3	-	45	9	S08	11.7	16.5	●	
MXEE 060L05R00-04S05	0.025-0.060	6	4	-	45	5	S05	8	10	●	
MXEE 080L05R00-04S05	0.030-0.080	8	4	-	45	5	S05	7.7	10	●	
MXED 080L05R05-04S05	0.030-0.080	8	4	0.5	30	5	S05	7.7	10	●	
MXED 080L05R10-04S05	0.030-0.080	8	4	1.0	30	5	S05	7.7	10	●	
MXED 080L05R15-04S05	0.030-0.080	8	4	1.5	30	5	S05	7.7	10	●	
MXEE 100L07R00-04S06	0.035-0.090	10	4	-	45	7	S06	9.7	13	●	
MXED 100L07R05-04S06	0.035-0.090	10	4	0.5	30	7	S06	9.7	13	●	
MXEE 100L07R05-04S06	0.035-0.090	10	4	0.5	45	7	S06	9.7	13	●	
MXED 100L07R10-04S06	0.035-0.090	10	4	1.0	30	7	S06	9.7	13	●	
MXEE 100L07R10-04S06	0.035-0.090	10	4	1.0	45	7	S06	9.7	13	●	
MXEE 120L09R00-04S08	0.035-0.110	12	4	-	45	9	S08	11.7	16.5	●	
MXED 120L09R05-04S08	0.035-0.110	12	4	0.5	30	9	S08	11.7	16.5	●	
MXEE 120L09R05-04S08	0.035-0.110	12	4	0.5	45	9	S08	11.7	16.5	●	
MXED 120L09R10-04S08	0.035-0.110	12	4	1.0	30	9	S08	11.7	16.5	●	
MXEE 120L09R10-04S08	0.035-0.110	12	4	1.0	45	9	S08	11.7	16.5	●	
MXEE 160L12R00-04S10	0.040-0.130	16	4	-	45	12	S10	15.3	20.5	●	
MXED 160L12R05-04S10	0.040-0.130	16	4	0.5	30	12	S10	15.3	20.5	●	
MXEE 160L12R05-04S10	0.040-0.130	16	4	0.5	45	12	S10	15.3	20.5	●	
MXED 160L12R10-04S10	0.040-0.130	16	4	1.0	30	12	S10	15.3	20.5	●	
MXEE 160L12R10-04S10	0.040-0.130	16	4	1.0	45	12	S10	15.3	20.5	●	
MXED 160L12R15-04S10	0.040-0.130	16	4	1.5	30	12	S10	15.3	20.5	●	
MXEE 160L12R15-04S10	0.040-0.130	16	4	1.5	45	12	S10	15.3	20.5	●	
MXED 160L12R20-04S10	0.040-0.130	16	4	2.0	30	12	S10	15.3	20.5	●	
MXEE 160L12R20-04S10	0.040-0.130	16	4	2.0	45	12	S10	15.3	20.5	●	
MXEE 160L12R30-04S10	0.040-0.130	16	4	3.0	45	12	S10	15.3	20.5	●	
MXEE 160L12R40-04S10	0.040-0.130	16	4	4.0	45	12	S10	15.3	20.5	●	
MXEE 200L15R00-04S12	0.050-0.150	20	4	-	45	15	S12	18.3	25.5	●	
MXED 200L15R05-04S12	0.050-0.150	20	4	0.5	30	15	S12	18.3	25.5	●	
MXED 200L15R10-04S12	0.050-0.150	20	4	1.0	30	15	S12	18.3	25.5	●	
MXED 200L15R20-04S12	0.050-0.150	20	4	2.0	30	15	S12	18.3	25.5	●	
MXED 200L15R30-04S12	0.050-0.150	20	4	3.0	30	15	S12	18.3	25.5	●	

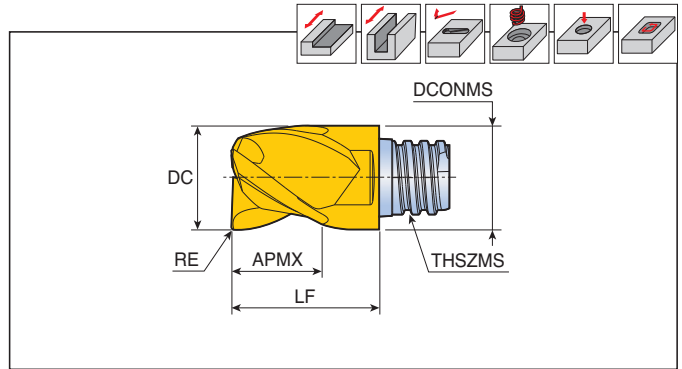
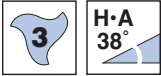
- NOF: Number of flutes
- FHA: Flute helix angle

●: Standard items

MXEE-03



3 flute, for roughing of keyways



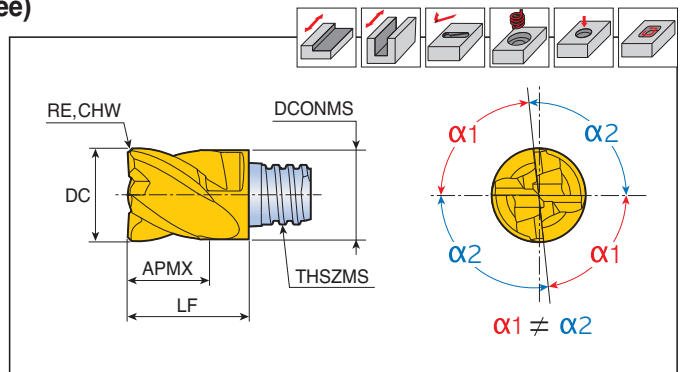
Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	RE	APMX	THSZMS	DCONMS	LF	
MXEE 077L04R02-03S05	0.030-0.080	7.7	0.2	4	S05	7.7	10	●
097L05R03-03S06	0.035-0.090	9.7	0.3	5	S06	9.7	13	●
117L07R03-03S08	0.035-0.110	11.7	0.3	7	S08	11.7	16.5	●
157L08R03-03S10	0.040-0.130	15.7	0.3	8	S10	15.3	20.5	●
197L12R04-03S12	0.050-0.150	19.7	0.4	12	S12	18.3	25.5	●

●: Standard items

MXEE-I04



4 flute, irregular-pitch flutes (Vibration free)

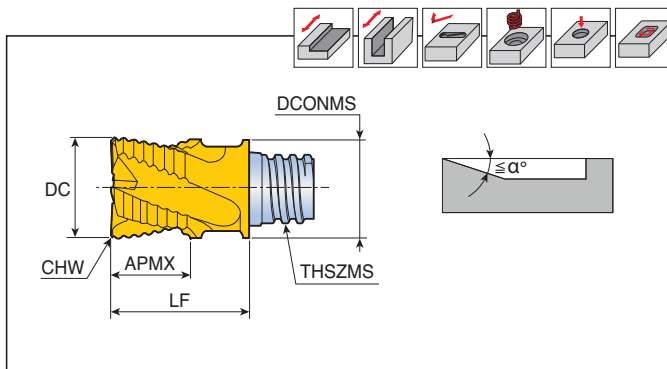
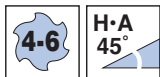


Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	CHW	APMX	THSZMS	DCONMS	LF	
MXEE 080L05C30I04S05	0.030-0.080	8	-	0.3	5	S05	7.7	10	●
100L07C40I04S06	0.035-0.090	10	-	0.4	7	S06	9.7	13	●
120L09C50I04S08	0.035-0.110	12	-	0.5	9	S08	11.7	16.5	●
160L12C60I04S10	0.040-0.130	16	-	0.6	12	S10	15.3	20.5	●
200L15C60I04S12	0.050-0.150	20	-	0.6	15	S12	18.3	25.5	●
250L22C60I04S15	0.060-0.170	25	-	0.6	22	S15	23.9	37	●
250L22R00I04S15	0.060-0.170	25	-	-	22	S15	23.9	37	●
250L22R05I04S15	0.060-0.170	25	0.5	-	22	S15	23.9	37	●
250L22R10I04S15	0.060-0.170	25	1.0	-	22	S15	23.9	37	●
250L22R20I04S15	0.060-0.170	25	2.0	-	22	S15	23.9	37	●
250L22R30I04S15	0.060-0.170	25	3.0	-	22	S15	23.9	37	●

●: Standard items

MXEE-R

4-6 flute, for roughing



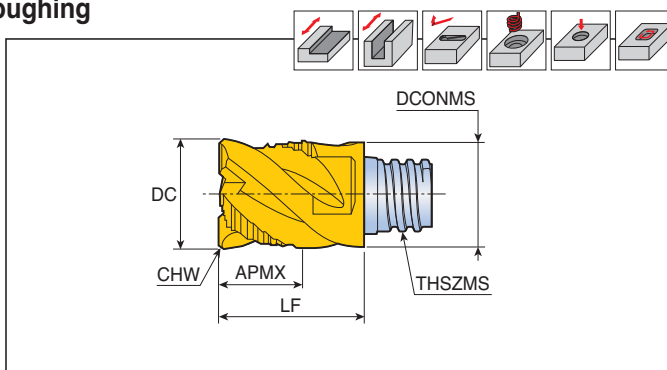
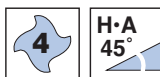
Designation	Feed (mm/tooth)	Dimension (mm)								Grade
		DC	NOF	APMX	CHW	THSZMS	DCONMS	LF	α°	
MXEE 080L05C25R04S05	0.030-0.080	8	4	5	0.25	S05	7.7	10	90	●
100L07C30R04S06	0.035-0.090	10	4	7	0.30	S06	9.7	13	90	●
120L09C35R04S08	0.035-0.110	12	4	9	0.35	S08	11.7	16.5	90	●
160L12C40R05S10	0.040-0.130	16	5	12	0.40	S10	15.3	20.5	7	●
200L15C40R06S12	0.050-0.150	20	6	15	0.40	S12	18.3	25.5	3	●
250L22C50R06S15	0.060-0.170	25	6	22	0.50	S15	23.9	37	3	●

• NOF: Number of flutes

●: Standard items

MXEE-C04

4 flute, combined edges for finishing & roughing



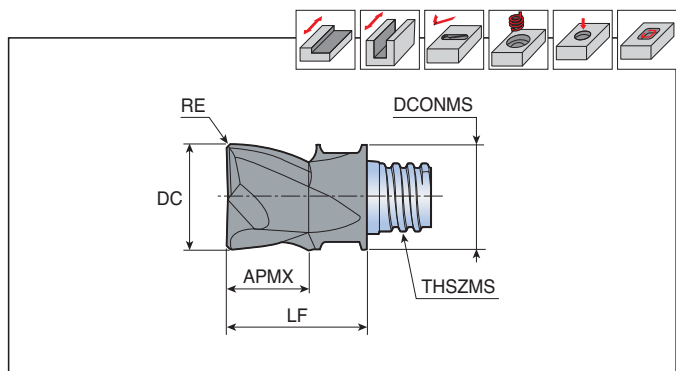
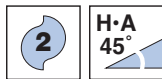
Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	APMX	CHW	THSZMS	DCONMS	LF	
MXEE 080L05C30C04S05	0.030-0.080	8	5	0.3	S05	7.7	10	●
100L07C30C04S06	0.035-0.090	10	7	0.3	S06	9.7	13	●
120L09C40C04S08	0.035-0.110	12	9	0.4	S08	11.7	16.5	●
160L12C60C04S10	0.040-0.130	16	12	0.6	S10	15.3	20.5	●
200L15C60C04S12	0.050-0.150	20	15	0.6	S12	18.3	25.5	●
250L22C60C04S15	0.060-0.170	25	22	0.6	S15	23.9	37	●

●: Standard items

MXEE-A02



2 flute, for aluminium machining



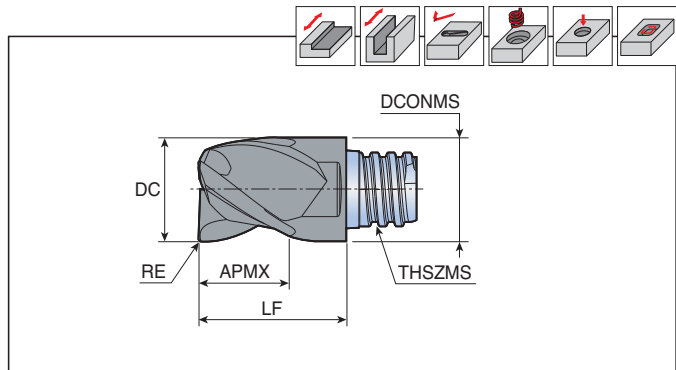
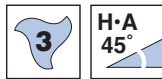
Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	RE	APMX	THSZMS	DCONMS	LF	
MXEE 100L07R05A02S06	0.035-0.090	10	0.5	7	S06	9.7	13	●
100L07R10A02S06	0.035-0.090	10	1.0	7	S06	9.7	13	●
120L09R05A02S08	0.035-0.110	12	0.5	9	S08	11.7	16.5	●

●: Standard items

MXEE-A03



3 flute, for aluminium machining



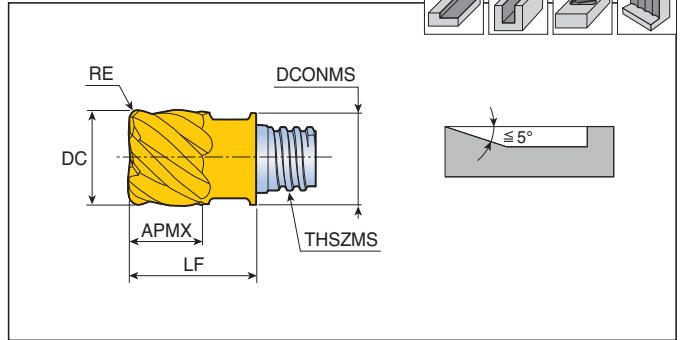
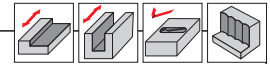
Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	RE	APMX	THSZMS	DCONMS	LF	
MXEE 080L05R05A03S05	0.030-0.080	8	0.5	5	S05	7.7	10	●
100L06R05A03S06	0.035-0.090	10	0.5	6	S06	9.7	13	●
100L06R10A03S06	0.035-0.090	10	1.0	6	S06	9.7	13	●
120L08R05A03S08	0.035-0.110	12	0.5	8	S08	11.7	16.5	●
120L08R10A03S08	0.035-0.110	12	1.0	8	S08	11.7	16.5	●
160L10R00A03S10	0.040-0.130	16	-	10	S10	15.3	20.5	●
160L10R10A03S10	0.040-0.130	16	1.0	10	S10	15.3	20.5	●
160L10R20A03S10	0.040-0.130	16	2.0	10	S10	15.3	20.5	●
200L12R05A03S12	0.050-0.150	20	0.5	12	S12	18.3	25.5	●
200L12R10A03S12	0.050-0.150	20	1.0	12	S12	18.3	25.5	●
200L12R20A03S12	0.050-0.150	20	2.0	12	S12	18.3	25.5	●

●: Standard items

MXEE(D)-06



6 flute, for difficult-to-cut material machining without central edge



Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	FHA	APMX	THSZMS	DCONMS	LF	
MXEE 08L05R05-06S05	0.030-0.080	8	0.5	45	5	S05	7.7	10	●
MXEE 08L05R10-06S05	0.030-0.080	8	1.0	45	5	S05	7.7	10	●
MXED 100L07R05-06S06	0.035-0.090	10	0.5	30	7	S06	9.7	13	●
MXED 100L07R10-06S06	0.035-0.090	10	1.0	30	7	S06	9.7	13	●
MXEE 100L07R05-06S06	0.035-0.090	10	0.5	45	7	S06	9.7	13	●
MXEE 100L07R10-06S06	0.035-0.090	10	1.0	45	7	S06	9.7	13	●
MXEE 100L07R15-06S06	0.035-0.090	10	1.5	45	7	S06	9.7	13	●
MXED 120L09R05-06S08	0.035-0.110	12	0.5	30	9	S08	11.7	16.5	●
MXEE 120L09R00-06S08	0.035-0.110	12	-	45	9	S08	11.7	16.5	●
MXEE 120L09R10-06S08	0.035-0.110	12	1.0	45	9	S08	11.7	16.5	●
MXEE 120L09R15-06S08	0.035-0.110	12	1.5	45	9	S08	11.7	16.5	●

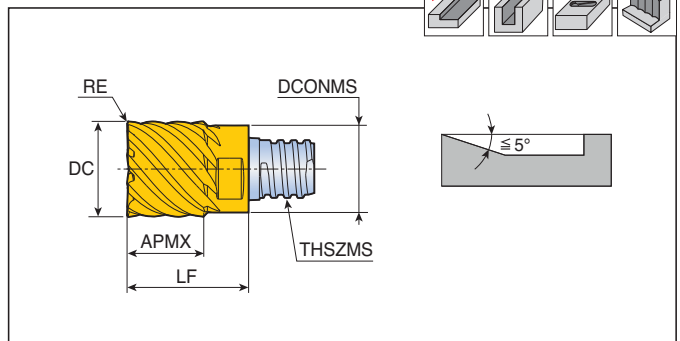
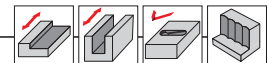
● FHA: Flute Helix Angle

●: Standard items

MXED-08/10



8, 10 flute, for difficult-to-cut material machining without central edge



Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	NOF	RE	APMX	THSZMS	DCONMS	LF	
MXED 160L12R05-08S10	0.040-0.130	16	8	0.5	12	S10	15.3	20.5	●
160L12R10-08S10	0.040-0.130	16	8	1.0	12	S10	15.3	20.5	●
160L12R20-08S10	0.040-0.130	16	8	2.0	12	S10	15.3	20.5	●
200L15R10-10S12	0.050-0.150	20	10	1.0	15	S12	18.3	25.5	●
200L15R20-10S12	0.050-0.150	20	10	2.0	15	S12	18.3	25.5	●
250L22R10-10S15	0.060-0.170	25	10	1.0	22	S15	23.9	37	●
250L22R20-10S15	0.060-0.170	25	10	2.0	22	S15	23.9	37	●

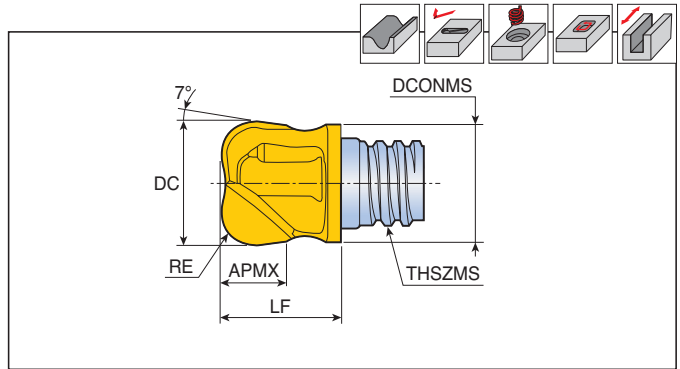
● NOF: Number of flutes

●: Standard items

MXRB-02



2 flute, 7° relief angle pressed flute



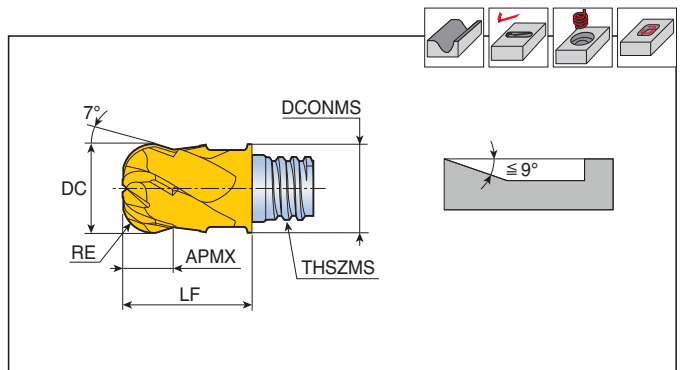
Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	RE	APMX	THSZMS	DCONMS	LF	
MXRB 200L11R50-02S12	0.05-0.150	20	5	11.3	S12	18.3	17.3	●

●: Standard items

MXRD-06



6 flute, 7° back taper sided ground flute



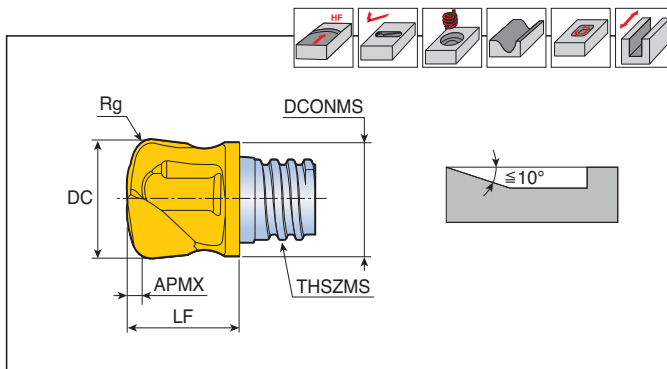
Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	RE	APMX	THSZMS	DCONMS	LF	
MXRD 080L04R20-06S05	0.030-0.080	8	2	4	S05	7.7	10	●
100L05R30-06S06	0.035-0.090	10	3	5	S06	9.7	13	●
120L07R40-06S08	0.035-0.110	12	4	7	S08	11.7	16.5	●
160L09R50-06S10	0.040-0.130	16	5	9	S10	15.3	20.5	●

●: Standard items

MXFX-02



2 flute, for high feed milling



Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	Rg	APMX	THSZMS	DCONMS	LF	TT5523
MXFX 100L0.6R20-02S06	0.035-0.090	10	2.0	0.6	S06	9.6	12.5	●
120L01R25-02S08	0.035-0.110	12	2.5	1.0	S08	11.5	11.1	●
160L1.1R30-02S10	0.040-0.130	16	3.0	1.1	S10	15.2	20	●

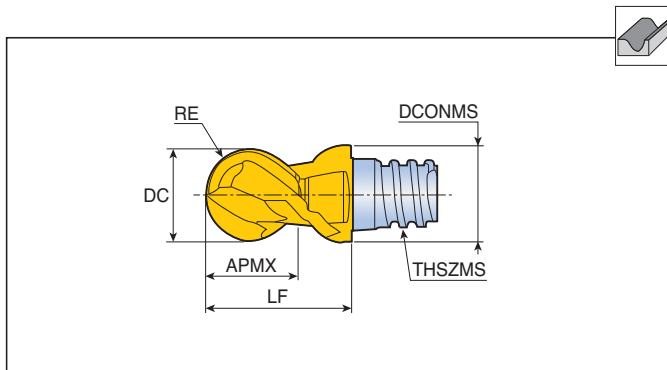
● Rg: Radius for programmers

●: Standard items

MXBD-BG-02



2 flute, for high precision machining



Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	RE	APMX	THSZMS	DCONMS	LF	TT5523
MXBD 080L05-BG-02S05	0.030-0.080	8	3.982 ⁽¹⁾	5	S05	7.7	10	●
100L07-BG-02S06	0.035-0.090	10	4.982 ⁽¹⁾	7	S06	9.7	13	●
120L09-BG-02S08	0.035-0.110	12	5.978 ⁽²⁾	9	S08	11.7	16.5	●
160L09-BG-02S10	0.040-0.130	16	7.978 ⁽²⁾	9	S10	15.3	20.5	●

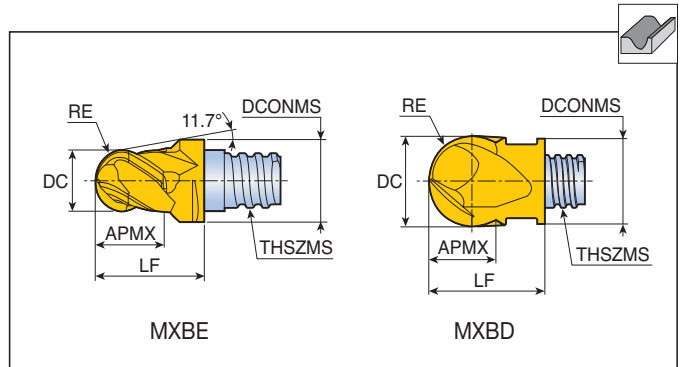
● RE Tolerance: ⁽¹⁾ ± 0.01, ⁽²⁾ ± 0.012

●: Standard items

MXBD(E)-BG-04



4 flute, for high precision machining



Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	FHA	APMX	THSZMS	DCONMS	LF	
MXBE 060L05-BG-04S05	0.025-0.060	6	2.987 ⁽¹⁾	38	5.5	S05	8.0	10	●
MXBD 080L05-BG-04S05	0.030-0.080	8	3.982 ⁽¹⁾	30	5	S05	7.7	10	●
100L07-BG-04S06	0.035-0.090	10	4.982 ⁽¹⁾	30	7	S06	9.7	13	●
120L09-BG-04S08	0.035-0.110	12	5.978 ⁽²⁾	30	9	S08	11.7	16.5	●
160L12-BG-04S10	0.040-0.130	16	7.978 ⁽²⁾	30	12	S10	15.3	20.5	●
200L15-BG-04S12	0.050-0.150	20	9.972 ⁽²⁾	30	15	S12	18.3	25.5	●
250L22-BG-04S15	0.060-0.170	25	12.470 ⁽³⁾	30	22	S15	23.9	37	●

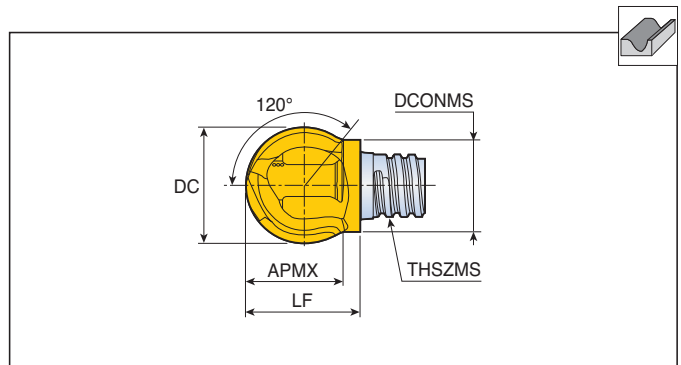
- RE Tolerance: ⁽¹⁾ ± 0.01, ⁽²⁾ ± 0.012, ⁽³⁾ ± 0.02
- FHA: Flute helix angle

●: Standard items

MXBB-SG-02



2 flute, spherical designed edge



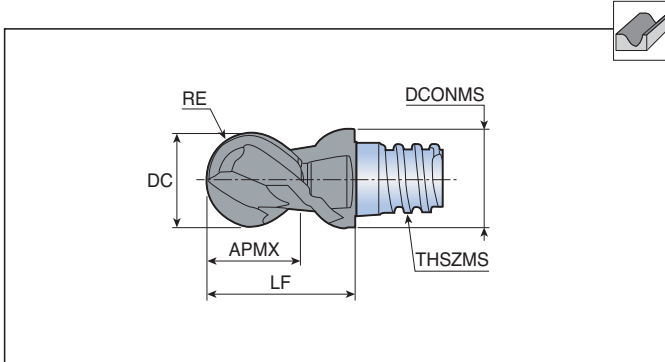
Designation	Feed (mm/tooth)	Dimension (mm)					Grade
		DC	APMX	THSZMS	DCONMS	LF	
MXBB 120L09-SG-02S06	0.035-0.110	12	9.0	S06	9.5	11.6	●

●: Standard items

MXBE-BGA02



2 flute, for aluminium machining



Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	RE	APMX	THSZMS	DCONMS	LF	
MXBE 080L05-BGA02S05	0.030-0.080	8	3.982 ⁽¹⁾	5	S05	7.7	10	●
100L07-BGA02S06	0.035-0.090	10	4.982 ⁽¹⁾	7	S06	9.7	13	●
120L09-BGA02S08	0.035-0.110	12	5.987 ⁽²⁾	9	S08	11.7	16.5	●
160L12-BGA02S10	0.040-0.130	16	7.978 ⁽²⁾	12	S10	15.3	20.5	●
200L15-BGA02S12	0.050-0.150	20	9.972 ⁽²⁾	15	S12	18.3	25.5	●

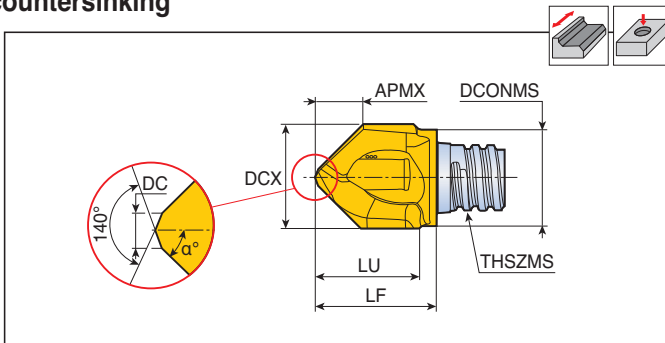
• RE Tolerance: ⁽¹⁾ ± 0.01, ⁽²⁾ ± 0.012

●: Standard items

MXCP-02



2 flute, for spot drilling, chamfering and countersinking

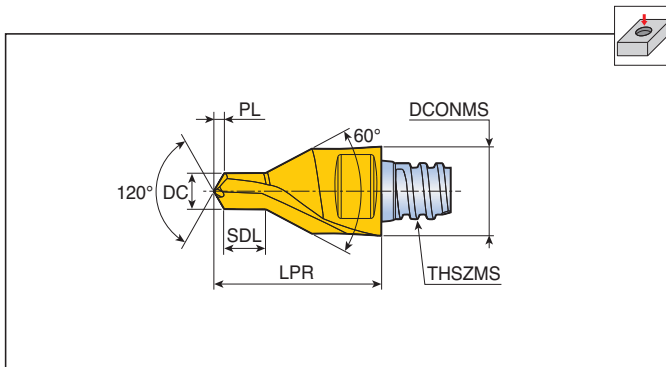


Designation	Feed (mm/tooth)	Dimension (mm)								Grade
		DCX	DC	APMX	THSZMS	DCONMS	LU	LF	α°	
MXCP 100L09A30-02S06	0.035-0.090	10	1.5	7.5	S06	9.5	8.5	11.75	30	●
120L12A30-02S08	0.035-0.110	12	1.5	9.2	S08	11.5	11	15.4	30	●
160L15A30-02S10	0.040-0.130	16	2.5	12	S10	15.2	16	20.2	30	●
080L07A45-02S05	0.030-0.080	8	1.0	3.7	S05	7.6	7.5	9.75	45	●
083L07A45-02S05	0.030-0.080	8.3	1.0	3.8	S05	7.6	7.5	10	45	●
100L09A45-02S06	0.035-0.090	10	1.5	4.4	S06	9.5	9.5	11.75	45	●
104L09A45-02S06	0.035-0.090	10.4	1.5	4.6	S06	9.5	9.5	11.75	45	●
120L12A45-02S08	0.035-0.110	12	1.5	5.4	S08	11.5	11.5	15.4	45	●
124L12A45-02S08	0.035-0.110	12.4	1.5	5.6	S08	11.5	11.5	15.4	45	●
160L15A45-02S10	0.040-0.130	16	1.5	7.1	S10	15.2	15	18.8	45	●
165L15A45-02S10	0.040-0.130	16.5	1.5	7.1	S10	15.2	15	18.8	45	●
100L09A60-02S06	0.035-0.090	10	1.5	2.7	S06	9.5	9.5	12.7	60	●
120L12A60-02S08	0.035-0.110	12	1.5	3.3	S08	11.5	11.5	15.2	60	●
160L15A60-02S10	0.040-0.130	16	1.5	4.4	S10	15.2	16	19.9	60	●

●: Standard items

MXDP-02

2 flute, for center drilling



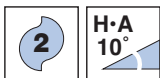
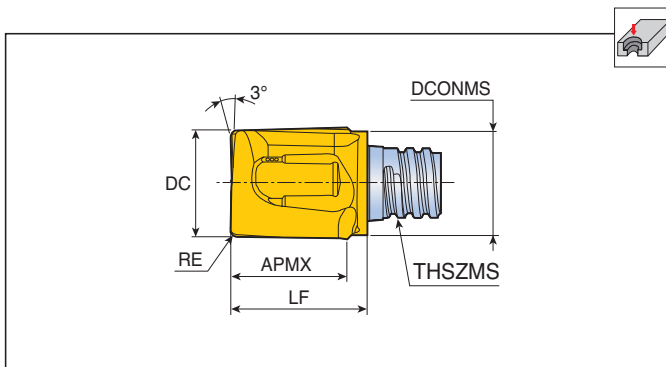
Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	PL	SDL	THSZMS	DCONMS	LPR	TT5523	
MXDP 328L04A30-02S05	0.04-0.08	3.28	0.85	3.75	S05	8	15	●	
412L05A30-02S06	0.05-0.10	4.12	1.07	4.83	S06	10	19	●	
513L07A30-02S08	0.05-0.12	5.13	1.32	5.88	S08	12	23	●	
646L08A30-02S10	0.06-0.15	6.46	1.65	7.25	S10	16	28	●	

● SDL: Step diameter length

●: Standard items

MXGC-02

2 flute, for counter boring



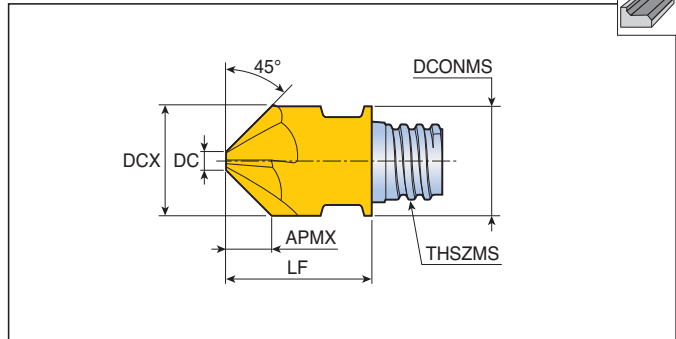
Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	RE	APMX	THSZMS	DCONMS	LF	TT5523	
MXGC 080L08R04-02S05	0.030-0.080	8	0.4	7.7	S05	7.6	10	●	
080L08R10-02S05	0.030-0.080	8	1.0	7.7	S05	7.6	10	●	
100L09R04-02S06	0.035-0.090	10	0.4	9.0	S06	9.5	12.4	●	
100L09R20-02S06	0.035-0.090	10	2.0	9.0	S06	9.5	12.4	●	
120L10R04-02S08	0.035-0.110	12	0.4	10	S08	11.5	14.2	●	
120L10R10-02S08	0.035-0.110	12	1.0	10	S08	11.5	14.2	●	
120L10R20-02S08	0.035-0.110	12	2.0	10	S08	11.5	14.2	●	
160L15R04-02S10	0.040-0.130	16	0.4	14.9	S10	15.2	19	●	

●: Standard items

MXCA-04/06



4, 6 flute, chamfering and countersinking (without center edge)



Designation	Feed (mm/tooth)	Dimension (mm)								Grade
		DCX	DC	NOF	APMX	THSZMS	DCONMS	LF	TT5523	
MXCA 100L04A45-04S06	0.035-0.090	10	1.95	4	4.0	S06	10	13	●	
120L05A45-04S08	0.035-0.110	12	1.95	4	5.0	S08	12	16.5	●	
127L05A45-04S08	0.035-0.110	12.7	1.98	4	5.3	S08	12.7	16.5	●	
160L06A45-06S10	0.040-0.130	16	3.0	6	6.5	S10	16	20.3	●	
200L07A45-06S12	0.050-0.150	20	5.0	6	7.5	S12	20	25.5	●	

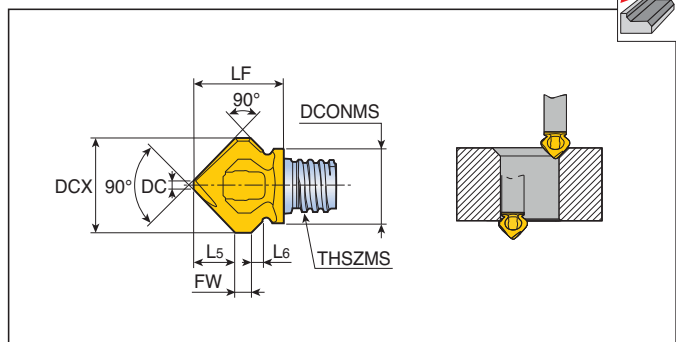
● NOF: Number of flutes

● Standard items

MXCW-02



2 flute, for double chamfering

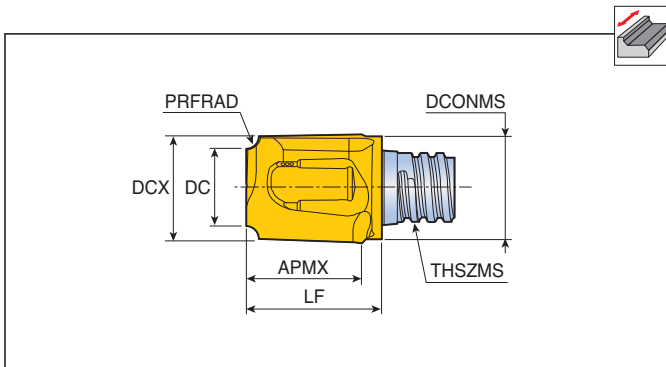


Designation	Feed (mm/tooth)	Dimension (mm)								Grade
		DCX	DC	L5	L6	FW	THSZMS	DCONMS	LF	
MXCW 118L05A45-02S06	0.035-0.110	11.8	1.2	5	1.2	2	S06	9.3	11.2	●

● Standard items

MXCR-02

2 flute, for concave radius milling



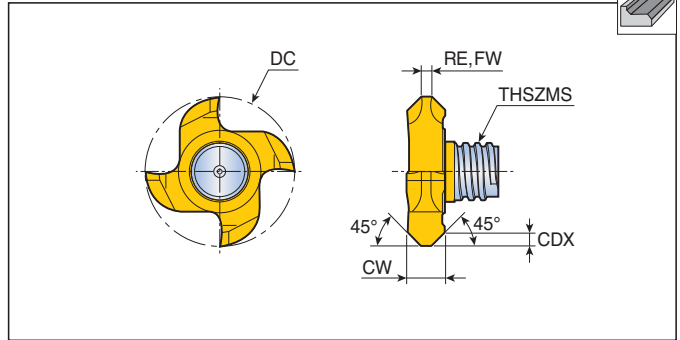
Designation	Feed (mm/tooth)	Dimension (mm)								Grade
		DCX	DC	PRFRAD	APMX	THSZMS	DCONMS	LF	TT5523	
MXCR 080L07R10-02S05	0.030-0.080	8	5.8	1.0	7.5	S05	7.6	10.5	●	
100L09R16-02S06	0.035-0.090	10	6.8	1.6	9.5	S06	9.5	12.5	●	
100L09R25-02S06	0.035-0.090	10	5.1	2.5	9.5	S06	9.5	12.5	●	
127L12R30-02S08	0.035-0.110	12.7	6.5	3.0	12	S08	12.2	15.6	●	
127L12R40-02S08	0.035-0.110	12.7	4.7	4.0	12	S08	12.2	15.6	●	
160L15R50-02S10	0.040-0.130	16	6.2	5.0	15	S10	15.2	19.1	●	
200L07R60-02S12	0.050-0.150	20	8	6.0	7	S12	18.3	17.4	●	

● PRFRAD: Profile radius

●: Standard items

TST-A45

3, 4 flute, for chamfering



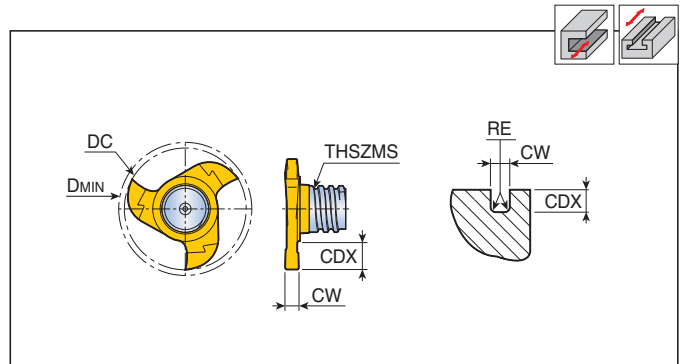
Designation	Feed (mm/tooth)	Dimension (mm)							Grade
		DC	NOF	CW	CDX	RE	FW	THSZMS	
TST 177L01.40A45-3S06	0.025-0.150	17.7	3	3.4	1.4	0.1	-	S06	●
217L01.70A45-4S08	0.025-0.170	21.7	4	5.5	1.7	-	1.5	S08	●

- NOF: Number of flutes
- FW: Flat width

●: Standard items

TST-3

3 flute, for slotting



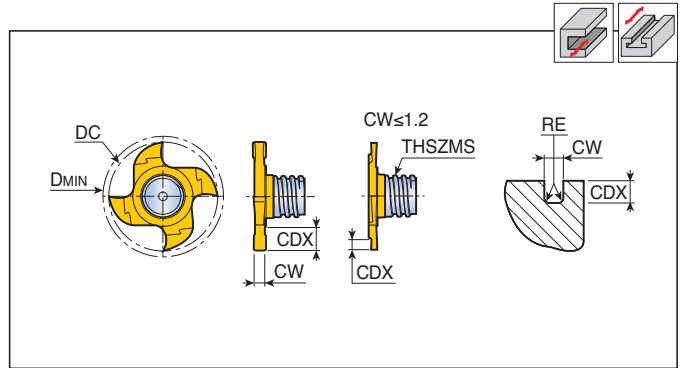
Designation	Feed (mm/tooth)	Dimension (mm)						Grade
		DC	CW	CDX	RE	THSZMS	DMIN	
TST 157W1.50R010-3S06	0.025-0.120	15.7	1.5	2.8	0.1	S06	16.0	●
157W1.57R020-3S06	0.025-0.120	15.7	1.57	2.8	0.2	S06	16.0	●
157W2.0R020-3S06	0.025-0.120	15.7	2.0	2.8	0.2	S06	16.0	●
157W2.50R020-3S06	0.025-0.120	15.7	2.5	2.8	0.2	S06	16.0	●
157W3.0R020-3S06	0.025-0.130	15.7	3.0	2.8	0.2	S06	16.0	●
157W3.17R020-3S06	0.025-0.150	15.7	3.17	2.8	0.2	S06	16.0	●
177W1.20R005-3S06	0.025-0.120	17.7	1.2 ⁽¹⁾	3.8	0.05	S06	18.0	●
177W1.40R005-3S06	0.025-0.120	17.7	1.4 ⁽¹⁾	3.8	0.05	S06	18.0	●
177W1.50R010-3S06	0.025-0.120	17.7	1.5	3.8	0.1	S06	18.0	●
177W1.57R020-3S06	0.025-0.120	17.7	1.57	3.8	0.2	S06	18.0	●
177W1.70R005-3S06	0.025-0.120	17.7	1.7 ⁽¹⁾	3.8	0.05	S06	18.0	●
177W2.0R020-3S06	0.025-0.120	17.7	2.0	3.8	0.2	S06	18.0	●
177W2.20R110-3S06	0.025-0.120	17.7	2.2	3.8	1.1	S06	18.0	●
177W2.50R020-3S06	0.025-0.120	17.7	2.5	3.8	0.2	S06	18.0	●
177W3.0R020-3S06	0.025-0.130	17.7	3.0	3.8	0.2	S06	18.0	●
177W3.17R020-3S06	0.025-0.150	17.7	3.17	3.8	0.2	S06	18.0	●

• ⁽¹⁾ CW for circle clips according to DIN 471/472

●: Standard items

TST-4/6

4, 6 flute, for slotting



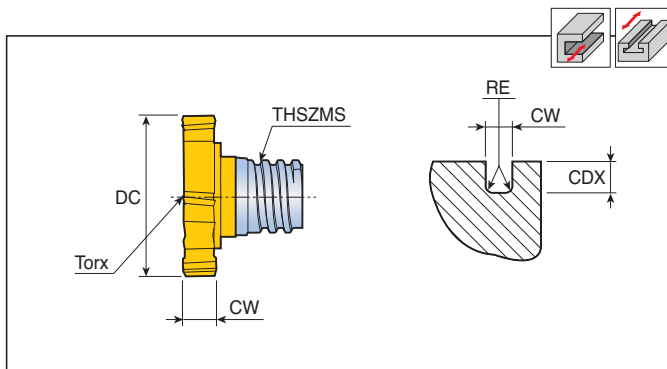
Designation	Feed (mm/tooth)	Dimension (mm)								Torx	Grade TT5543
		DC	NOF	CW	CDX	RE	THSZMS	DMIN			
TST 217W0.76R000-4S08	0.025-0.100	21.7	4	0.76 ⁽¹⁾	1.5	-	S08	22.0	-	●	
217W0.96R000-4S08	0.025-0.100	21.7	4	0.96 ⁽¹⁾	1.9	-	S08	22.0	-	●	
217W1.0R005-4S08	0.025-0.100	21.7	4	1.0	2	0.05	S08	22.0	-	●	
217W1.20R005-4S08	0.025-0.120	21.7	4	1.2 ⁽¹⁾	4.5	0.05	S08	22.0	-	●	
217W1.40R005-4S08	0.025-0.120	21.7	4	1.4 ⁽¹⁾	4.5	0.05	S08	22.0	-	●	
217W1.57R000-4S08	0.025-0.120	21.7	4	1.57	4.5	-	S08	22.0	-	●	
217W1.70R010-4S08	0.025-0.120	21.7	4	1.7 ⁽¹⁾	4.5	0.1	S08	22.0	-	●	
217W1.95R020-4S08	0.025-0.120	21.7	4	1.95 ⁽¹⁾	4.5	0.2	S08	22.0	-	●	
217W2.0R020-4S08	0.025-0.120	21.7	4	2.0	4.5	0.2	S08	22.0	-	●	
217W2.25R020-4S08	0.025-0.120	21.7	4	2.25 ⁽¹⁾	4.5	0.2	S08	22.0	-	●	
217W2.39R020-4S08	0.025-0.120	21.7	4	2.39	4.5	0.2	S08	22.0	-	●	
217W2.50R020-4S08	0.025-0.120	21.7	4	2.5	4.5	0.2	S08	22.0	-	●	
217W2.75R020-4S08	0.025-0.130	21.7	4	2.75 ⁽¹⁾	4.5	0.2	S08	22.0	-	●	
217W3.0R020-4S08	0.025-0.130	21.7	4	3.0	4.5	0.2	S08	22.0	-	●	
217W3.17R020-4S08	0.025-0.150	21.7	4	3.17	4.5	0.2	S08	22.0	-	●	
217W3.25R020-4S08	0.025-0.150	21.7	4	3.25 ⁽¹⁾	4.5	0.2	S08	22.0	-	●	
217W4.0R020-4S08	0.025-0.150	21.7	4	4.0	4.5	0.2	S08	22.0	-	●	
217W4.25R020-4S08	0.025-0.150	21.7	4	4.25 ⁽¹⁾	4.5	0.2	S08	22.0	-	●	
217W4.75R020-4S08	0.025-0.150	21.7	4	4.75	4.5	0.2	S08	22.0	-	●	
217W5.25R020-4S08	0.025-0.170	21.7	4	5.25 ⁽¹⁾	4.5	0.2	S08	22.0	-	●	
277W2.50R020-6S10	0.025-0.120	27.7	6	2.5	6	0.2	S10	28.0	T40	●	
277W5.25R020-6S10	0.025-0.170	27.7	6	5.25	6	0.2	S10	28.0	T40	●	
277W10R020-6S10	0.025-0.170	27.7	6	10.0	6	0.2	S10	28.0	T40	●	

- NOF: Number of flutes
- ⁽¹⁾ CW for circle clips according to DIN 471/472

●: Standard items

TTB-06

6 flute, for slotting

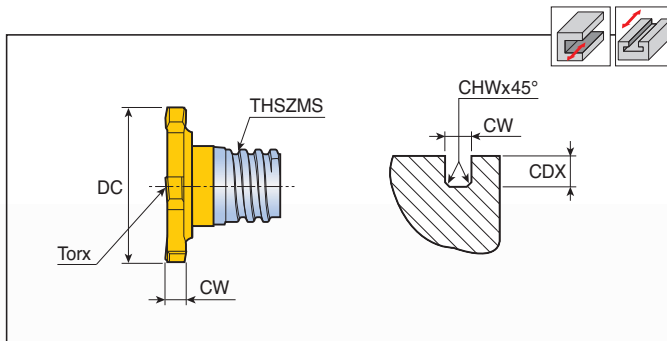


Designation	Feed (mm/tooth)	Dimension (mm)					Torx	Grade TT5543
		DC	CW	CDX	RE	THSZMS		
TTB 135W3.0R04-06S05	0.025-0.130	13.5	3	2.65	0.4	S05	T20	●
135W4.0R04-06S05	0.025-0.150	13.5	4	2.65	0.4	S05	T20	●
160W2.0R04-06S06	0.025-0.120	16	2	2.9	0.4	S06	T20	●
160W3.0R04-06S06	0.025-0.130	16	3	2.9	0.4	S06	T25	●
160W4.0R04-06S06	0.025-0.150	16	4	2.9	0.4	S06	T25	●
165W2.0R04-06S06	0.025-0.120	16.5	2	3.15	0.4	S06	T20	●
165W3.0R04-06S06	0.025-0.130	16.5	3	3.15	0.4	S06	T25	●
165W4.0R04-06S06	0.025-0.150	16.5	4	3.15	0.4	S06	T25	●
195W4.0R04-06S08	0.025-0.150	19.5	4	3.45	0.4	S08	T30	●
195W5.0R04-06S08	0.025-0.150	19.5	5	3.45	0.4	S08	T30	●
195W6.0R04-06S08	0.025-0.170	19.5	6	3.45	0.4	S08	T30	●
225W5.0R04-06S08	0.025-0.150	22.5	5	4.95	0.4	S08	T40	●
225W6.0R04-06S08	0.025-0.170	22.5	6	4.95	0.4	S08	T40	●
225W8.0R04-06S08	0.025-0.170	22.5	8	4.95	0.4	S08	T40	●
250W6.0R04-06S08	0.025-0.170	25	6	5.9	0.4	S08	T50	●
250W8.0R04-06S08	0.025-0.170	25	8	5.9	0.4	S08	T50	●
250W5.0R04-06S10	0.025-0.150	25	5	4.3	0.4	S10	T50	●
250W6.0R04-06S10	0.025-0.170	25	6	4.3	0.4	S10	T50	●
250W8.0R04-06S10	0.025-0.170	25	8	4.3	0.4	S10	T50	●

●: Standard items

TTB-C15

6 flute, for chamfered slotting

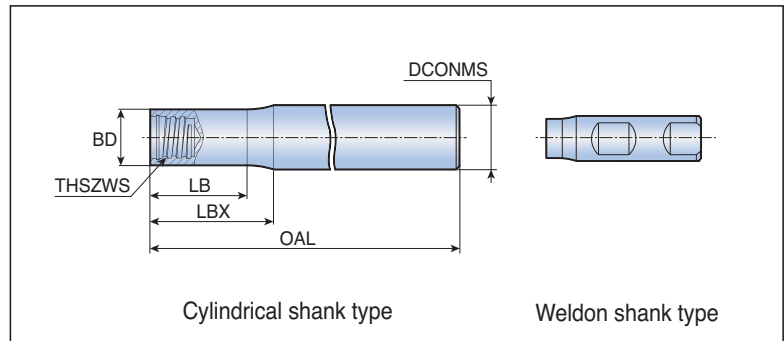


Designation	Feed (mm/tooth)	Dimension (mm)					Torx	Grade TT5543
		DC	CW	CDX	CHW	THSZMS		
TTB 135W2.0C15-06S05	0.025-0.120	13.5	2	2.65	0.15	S05	T20	●

● CHW: Corner chamfer width

●: Standard items

Straight shank and neck



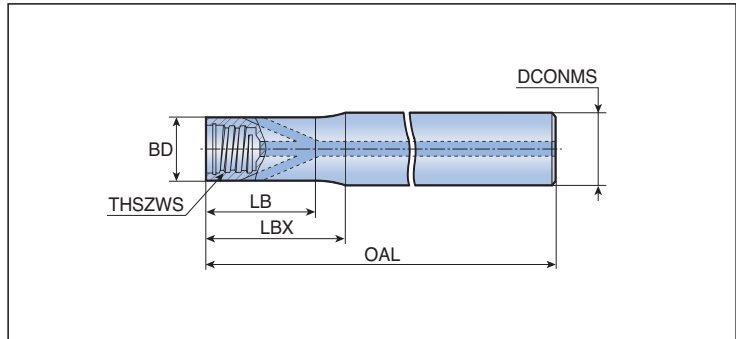
Designation	Dimension (mm)						Shank type	Shank material
	THSZWS	DCONMS	BD	OAL	LB	LBX		
MXSSD 08L060S05-S	S05	8	7.6	60	12.8	15	Cylindrical	Steel
08L070S05-C	S05	8	7.6	70	19	20	Cylindrical	Carbide
08L090S05-C	S05	8	7.6	90	39	40	Cylindrical	Carbide
08L110S05-C	S05	8	7.6	110	59	60	Cylindrical	Carbide
10L070S06-C	S06	10	9.6	70	18.5	20	Cylindrical	Carbide
10L075S06-S	S06	10	9.6	75	17.7	20	Cylindrical	Steel
10L090S06-C	S06	10	9.6	90	38.5	40	Cylindrical	Carbide
10L110S06-C	S06	10	9.6	110	58.5	60	Cylindrical	Carbide
10L150S06-C	S06	10	9.6	150	98.5	100	Cylindrical	Carbide
12L055W05-S	S05	12	7.6	55	-	3.8	Weldon	Steel
12L070S08-C	S08	12	11.5	70	17	20	Cylindrical	Carbide
12L090S08-C	S08	12	11.5	90	37	40	Cylindrical	Carbide
12L090S08-S	S08	12	11.5	90	13.6	16	Cylindrical	Steel
12L110S08-C	S08	12	11.5	110	57	60	Cylindrical	Carbide
12L130S08-C	S08	12	11.5	130	77	80	Cylindrical	Carbide
16L065W06-S	S06	16	9.6	65	-	6	Weldon	Steel
16L065W08-S	S08	16	11.5	65	-	4	Weldon	Steel
16L090S10-C	S10	16	15.2	90	38	40	Cylindrical	Carbide
16L100S10-S	S10	16	15.2	100	18	20	Cylindrical	Steel
16L110S10-C	S10	16	15.2	110	58	60	Cylindrical	Carbide
16L130S10-C	S10	16	15.2	130	78	80	Cylindrical	Carbide
16L150S10-C	S10	16	15.2	150	98	100	Cylindrical	Carbide
20L070W10-S	S10	20	15.2	70	-	4	Weldon	Steel
20L090S12-C	S12	20	18.3	90	37	40	Cylindrical	Carbide
20L120S12-S	S12	20	18.3	120	20.5	25	Cylindrical	Steel
20L130S12-C	S12	20	18.3	130	77	80	Cylindrical	Carbide
20L200S12-C	S12	20	18.3	200	117	120	Cylindrical	Carbide
25L075W12-S	S12	25	18.3	75	-	6	Weldon	Steel
25L120S15-C	S15	25	23.9	120	58	60	Cylindrical	Carbide
25L135S15-S	S15	25	23.9	135	33	35	Cylindrical	Steel
25L170S15-C	S15	25	23.9	170	98	100	Cylindrical	Carbide
25L250S15-C	S15	25	23.9	250	148	150	Cylindrical	Carbide

• THSZWS: Connection thread size

MXSSD-W-A



Straight shank and neck with internal coolant hole

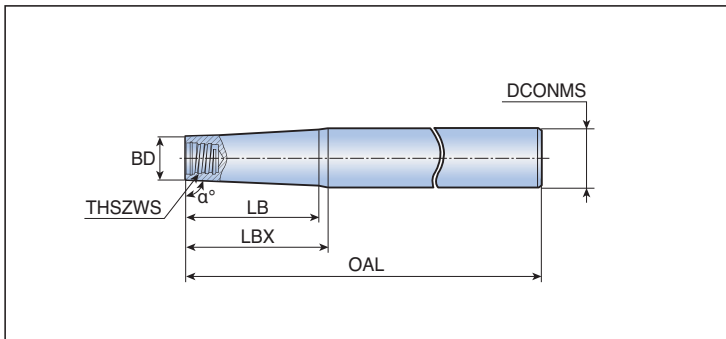


Designation	Dimension (mm)						Shank material
	THSZWS	DCONMS	BD	OAL	LB	LBX	
MXSSD 10L070S06-W-A	S06	10	9.6	70	19	20	Tungsten
10L090S06-W-A	S06	10	9.6	90	39	40	Tungsten
10L110S06-W-A	S06	10	9.6	110	59	60	Tungsten
12L070S08-W-A	S08	12	11.5	70	19	20	Tungsten
12L090S08-W-A	S08	12	11.5	90	39	40	Tungsten
12L110S08-W-A	S08	12	11.5	110	59	60	Tungsten
12L130S08-W-A	S08	12	11.5	130	79	80	Tungsten
16L070S10-W-A	S10	16	15.2	70	18.5	20	Tungsten
16L090S10-W-A	S10	16	15.2	90	36.5	40	Tungsten
16L110S10-W-A	S10	16	15.2	110	58.5	60	Tungsten
16L130S10-W-A	S10	16	15.2	130	78.5	80	Tungsten
20L090S12-W-A	S12	20	18.3	90	37	40	Tungsten
20L130S12-W-A	S12	20	18.3	130	77	80	Tungsten

• THSZWS: Connection thread size

MXTSD

Straight shank and taper neck

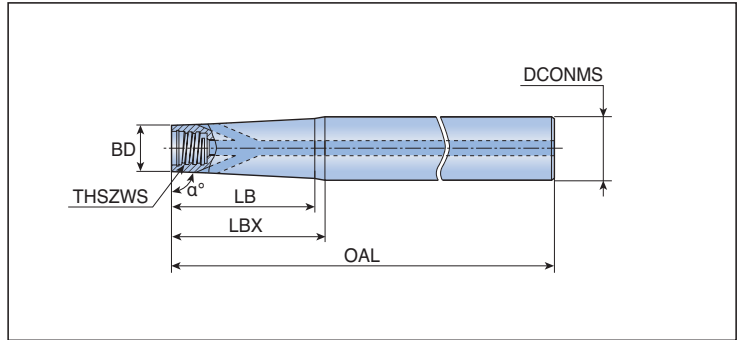


Designation	Dimension (mm)							Shank material
	α°	THSZWS	DCONMS	BD	OAL	LB	LBX	
MXTSD 12L080S05-S	85	S05	12	7.6	80	-	25	Steel
12L100S05-S	89	S05	12	7.6	100	31.0	35	Steel
12L110S05-C	89	S05	12	7.6	110	58.0	60	Carbide
12L130S05-C	89	S05	12	7.6	130	79.0	80	Carbide
16L125S06-S	85	S06	16	9.6	125	31.6	34	Steel
16L130S08-C	89	S08	16	11.5	130	78.8	80	Carbide
16L140S08-S	85	S08	16	11.5	140	19.3	22	Steel
16L150S05-C	89	S05	16	7.6	150	96.0	100	Carbide
16L150S06-C	89	S06	16	9.6	150	98.0	100	Carbide
16L150S08-C	89	S08	16	11.5	150	-	100	Carbide
16L160S06-S	89	S06	16	9.6	160	45.9	55	Steel
16L170S06-C	89	S06	16	9.6	170	119.0	120	Carbide
20L140S10-S	85	S10	20	15.2	140	-	27.5	Steel
20L170S08-C	89	S08	20	11.5	170	117.0	120	Carbide
20L170S08-S	89	S08	20	11.5	170	68.6	80	Steel
20L170S10-C	89	S10	20	15.2	170	-	120	Carbide
20L190S10-C	89	S10	20	15.2	190	-	140	Carbide
20L190S10-S	89	S10	20	15.2	190	73.0	80	Steel
20L210S10-C	89	S10	20	15.2	210	-	160	Carbide
25L160S12-S	85	S12	25	18.3	160	-	40	Steel
25L170S10-S	85	S10	25	15.2	170	-	56	Steel
25L180S12-C	89	S12	25	18.3	180	-	120	Carbide
25L210S12-S	89	S12	25	18.3	210	91.0	100	Steel
25L250S12-C	89	S12	25	18.3	250	-	140	Carbide
32L155S15-S	85	S15	32	23.9	155	40.0	45	Steel
32L190S12-S	85	S12	32	18.3	190	-	80	Steel
32L220S15-S	85	S15	32	23.9	220	-	100	Steel
32L250S15-C	89	S15	32	23.9	250	-	150	Carbide
32L300S15-C	89	S15	32	23.9	300	-	200	Carbide

• THSZWS: Connection thread size

MXTSD-W-A

Straight shank and taper neck with internal coolant hole

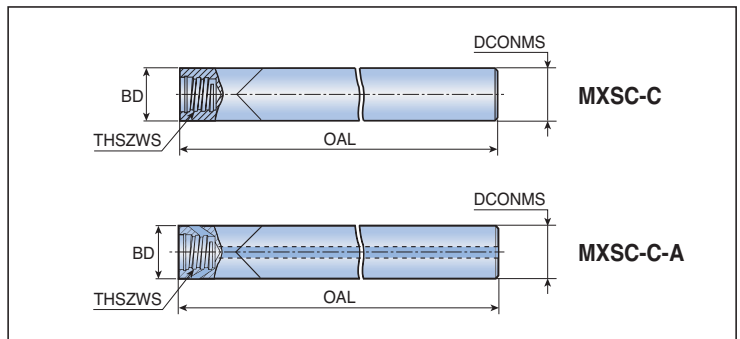


Designation	Dimension (mm)							Shank material
	α°	THSZWS	DCONMS	BD	OAL	LB	LBX	
MXTSD 12L110S06-W-A	89	S06	12	9.6	110	59	60	Tungsten
16L170S06-W-A	89	S06	16	9.6	170	116	120	Tungsten

• THSZWS: Connection thread size

MXSC

Straight carbide shanks for TST type slotting head



Designation	Dimension (mm)				Coolant	Shank material
	THSZWS	DCONMS	BD	OAL		
MXSC 100L100S06-C	S06	10	10	100	x	Carbide
120L100S08-C-A	S08	12	12	100	•	Carbide

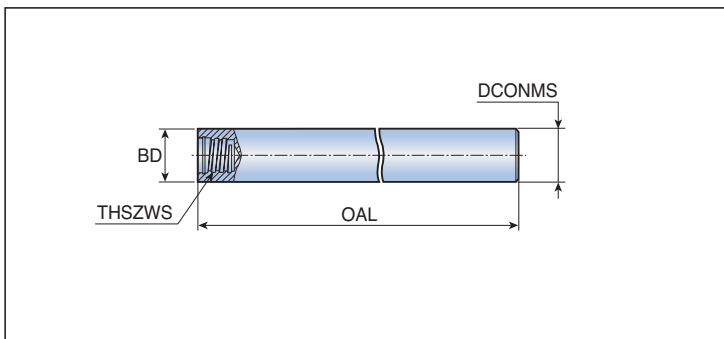
• THSZWS: Connection thread size

Note:

• For MXSC type shank, it is recommended to use the TST slotting head only. If other heads are used on the MXSC shank, the depth of cut must be smaller than the max. ap in each head. The MXSC type shank does not have external clearance, so the shank may interfere with the work piece.

MXSTD

Straight shanks for TTB type slotting head



Designation	Dimension (mm)				Shank material
	THSZWS	DCONMS	BD	OAL	
MXSTD 08L070S05-S	S05	8	8	70	Steel
10L080S06-S	S06	10	10	80	Steel
12L090S08-S	S08	12	12	90	Steel
16L100S10-S	S10	16	16	100	Steel

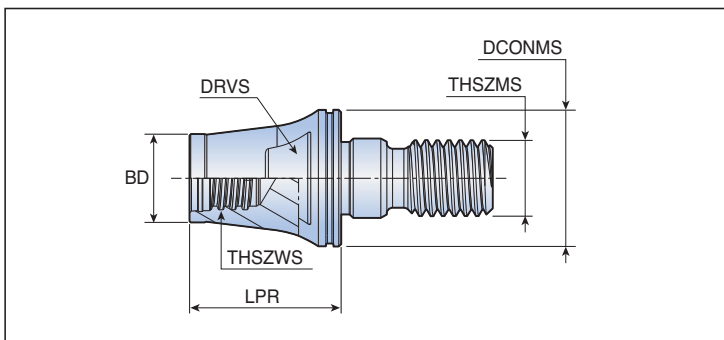
- THSZWS: Connection thread size

Note:

- For MXSTD type shank, it is recommended to use the TTB slotting head only. If other heads are used on the MXSTD shank, the depth of cut must be smaller than the max. ap in each head. The MXSTD type shank does not have external clearance, so the shank may interfere with the work piece.

MXAD-M

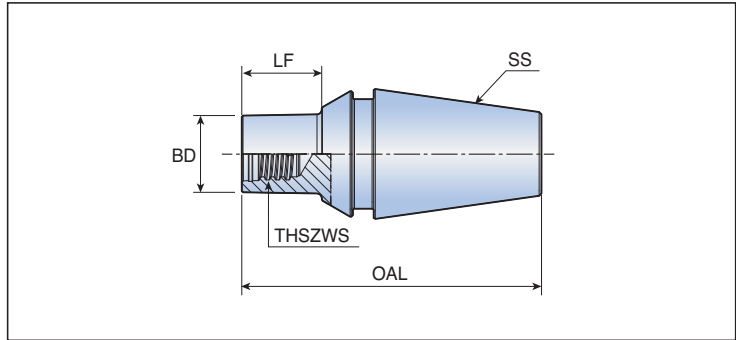
Adapters for T-FLEXTEC



Designation	Dimension (mm)						Shank material
	THSZWS	THSZMS	DCONMS	BD	LPR	DRVS	
MXAD 130L016S08-S-M8	S08	M8	13	11.7	16	11	Steel
130L025S08-S-M8	S08	M8	13	11.7	25	11	Steel
180L020S08-S-M10	S08	M10	18	11.7	20	13	Steel
180L025S08-S-M10	S08	M10	18	11.7	25	11	Steel
210L020S08-S-M12	S08	M12	21	11.7	20	12.75	Steel
210L025S08-S-M12	S08	M12	21	11.7	25	12.75	Steel

- THSZWS: Connection thread size
- DRVS: Clamping wrench size

ER collet chucks conversion adaptor with MAXI-RUSH

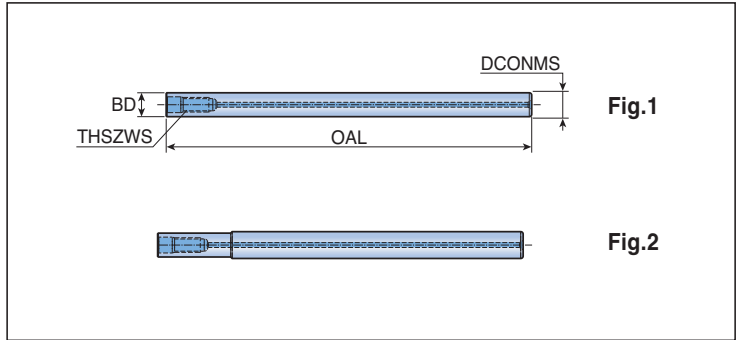


Designation	Dimension (mm)					Shank material
	SS	THSZWS	BD	LF	OAL	
MXER 11CL006S05-S	ER11	S05	7.92	6	24.0	Steel
11CL020S05-S	ER11	S05	7.92	20	38.0	Steel
16CL012S05-S	ER16	S05	7.92	12	39.5	Steel
16CL020S05-S	ER16	S05	7.92	20	47.5	Steel
16CL010S06-S	ER16	S06	9.92	10	37.5	Steel
16CL020S06-S	ER16	S06	9.92	20	47.5	Steel
16CL006S08-S	ER16	S08	11.6	6	33.5	Steel
16CL020S08-S	ER16	S08	11.6	20	47.5	Steel

• THSZWS: Connection thread size

S M06-CT

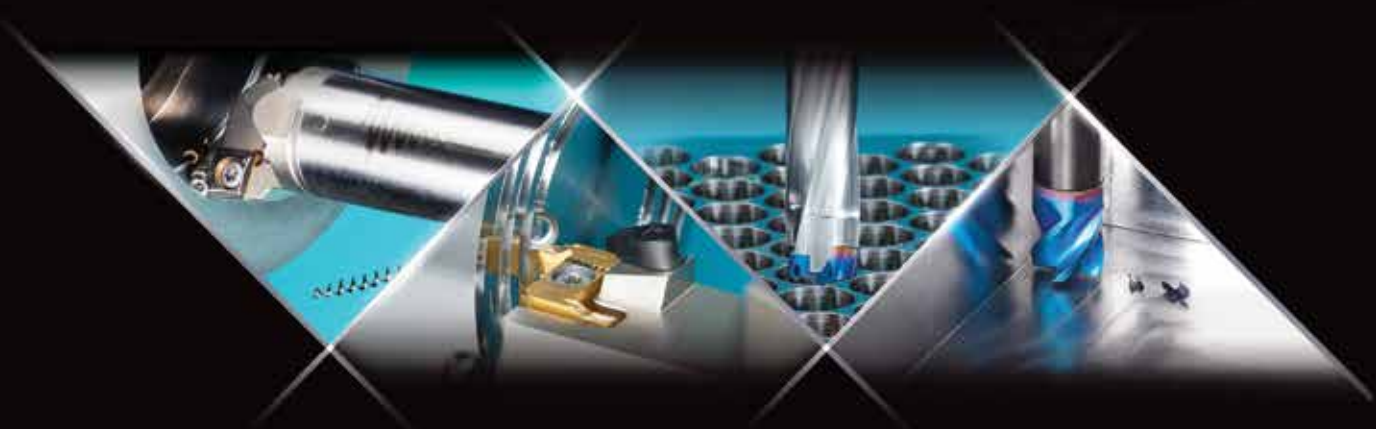
Straight shank and neck with internal coolant hole



Designation	Dimension (mm)				Coolant	Fig.	Shank material
	THSZWS	DCONMS	BD	OAL			
S M06-CT10-L100	M06	10	10	100	●	1	Carbide
CT10-L150	M06	10	10	150	●	1	Carbide
CT12-L100	M06	12	12	100	●	1	Carbide
CT12-L150	M06	12	12	150	●	1	Carbide

- Fig.2 can be supplied as special

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HIGH SPEED & FEED LINES



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- Korean Version: CT 11/2019
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