

NPN

New Product News



CUTSFEED
HIGH FEED PARTING



Single-Ended Rigid Inserts and Holders for Parting and Deep Grooving



KEY POINT

TaeguTec has launched the CUT-SFEED, a new line of single-ended rigid inserts and holders for parting and deep grooving

For parting or deep grooving applications, single-ended self-grip inserts are generally used but are susceptible to vibrations due to structural weakness as well as unstable tool life and frequent breakage stemming from bad chip evacuation.

The **CUT-SFEED** line is designed as a thicker height insert and includes a specialized three-area contact with bottom-stopper, which is more robust and stable than the conventional self-grip type. Therefore, it enables improved surface roughness, insert position repeatability and tool life even under tough machining conditions.

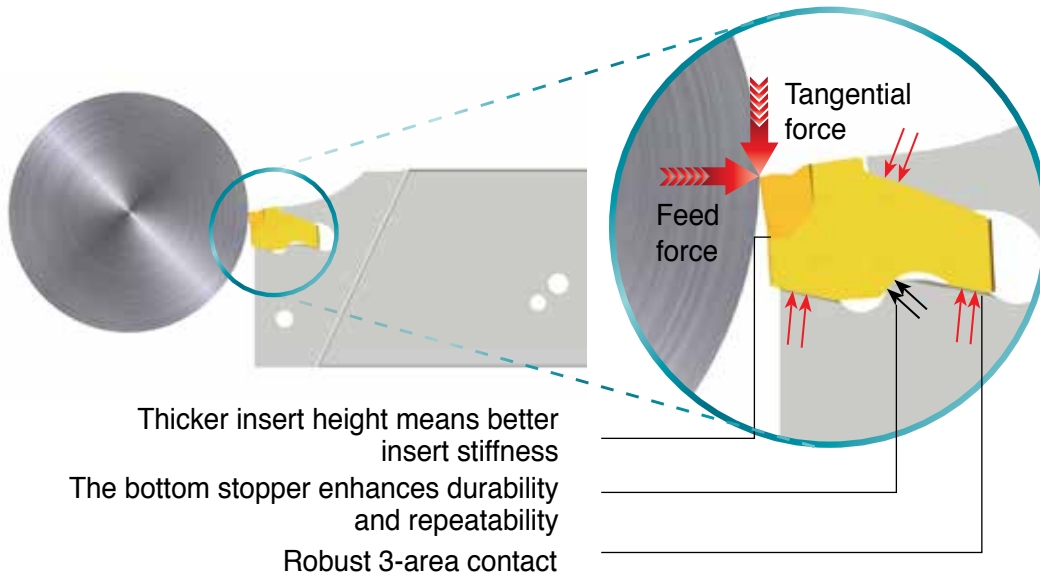
The holders are available in two types: a square shank type (SFER/L), a blade type (SFGB). All holders use the COOL-BURST high pressure coolant system and come as standard products.

Features

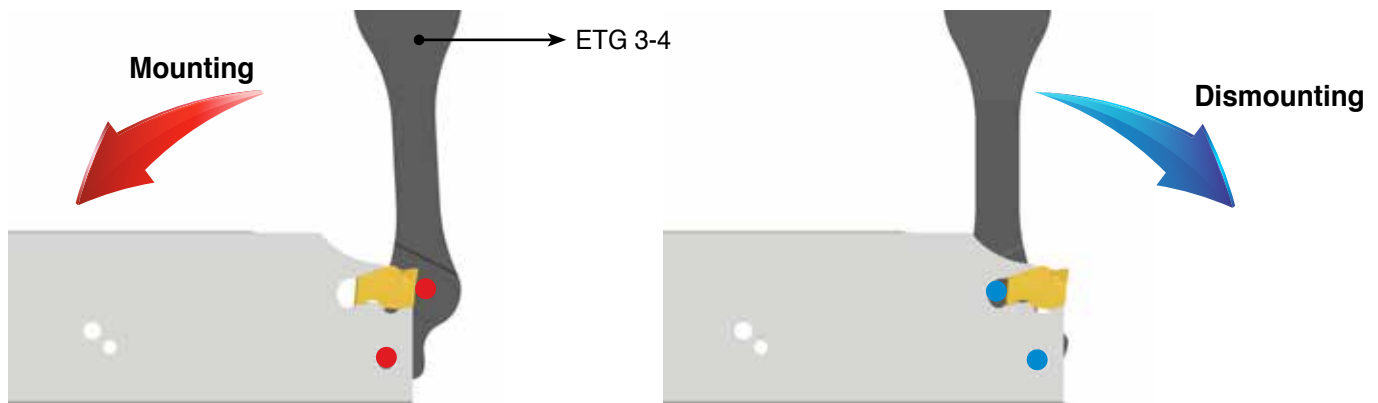
- Rigid clamping of the specialized three-area contact design for excellent durability and repeatability
- Insert's increased height enhances rigidity
- User-friendly insert clamping system
- COOL-BURST holders are available as standard items
 - Stable and improved tool life and improved chip evacuation
- Maximum cutting diameter: Ø100 mm (blade), Ø60 mm (square holder)



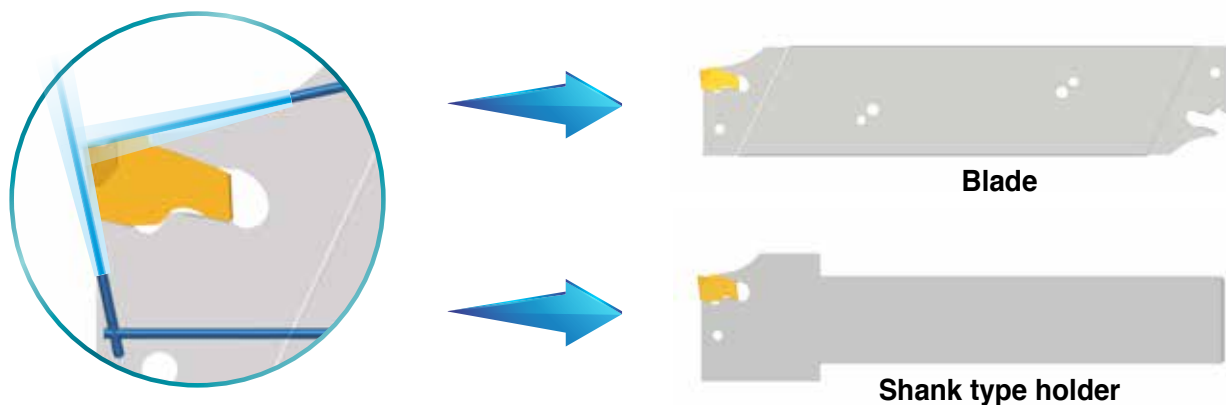
Robust clamping structure and a higher rigidity insert



Self-grip's convenient insert clamping method



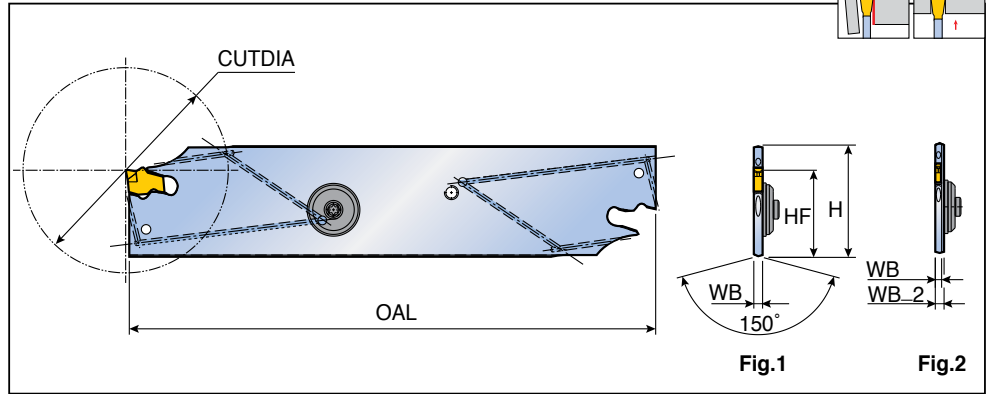
Upper and lower dual high pressure coolant channels



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

	70 bar flow rate (ℓ/min)	100 bar flow rate (ℓ/min)	140 bar flow rate (ℓ/min)
SFGB 32-2-TB	10-12	12-14	15-17
32-3-TB	19-21	23-25	27-29

Spare parts

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

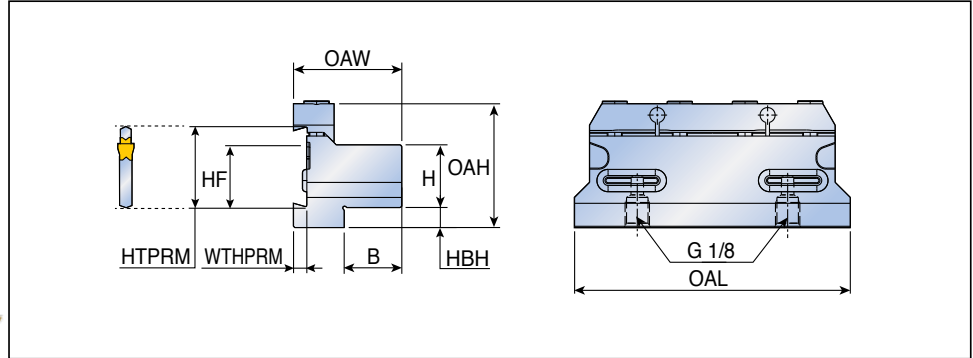
• Extractor should be ordered separately

TTBU-TB

Blocks for blades with high pressure coolant



COOLBURST



Designation	Dimension (mm)							
	H	HTPRM	B	HBH	OAH	WTHPRM	OAL	OAW
TTBU 20-32-TB	20	32	19	15	36.4	5.3	100	39.2
25-32-TB	25	32	23	8	41.4	5.3	110	43.2
32-32-TB	32	32	29	5	48.4	5.3	110	49.2

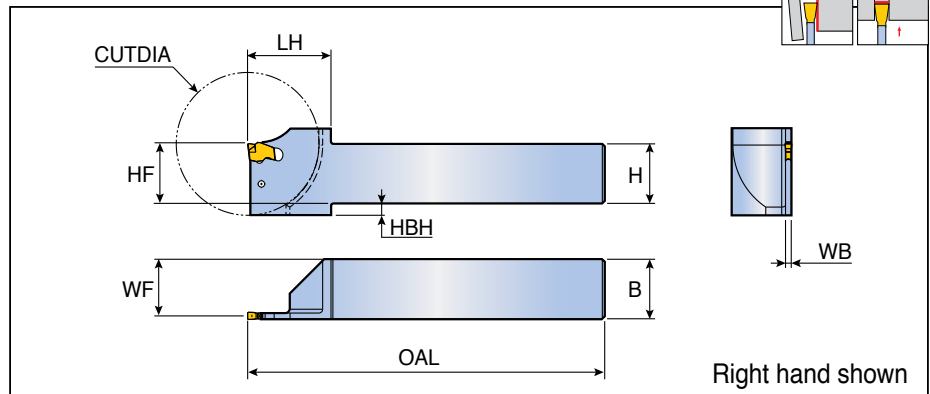
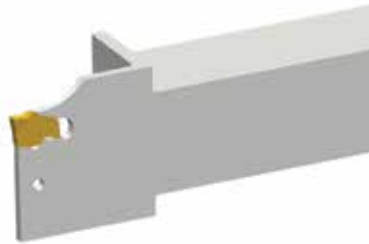
Spare parts

Designation	Screw	Clamp	O-ring	Wrench	
TTBU 20-32-TB	SR M6X16 DIN912	BKU 100	O-RING ID14X2.5	L-W 5	
TTBU 25-32-TB	SR M6X16 DIN912	BKU 110	O-RING ID14X2.5	L-W 5	
TTBU 32-32-TB	SR M6X16 DIN912	BKU 110	O-RING ID14X2.5	L-W 5	

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 SFJ	
2525-2T25-D50	2	25	25	25	150	32	24.1	1.8	-	50		
2525-3T30-D60	3	25	25	25	150	35	23.8	2.4	5	60		

* : SFC 1.6 insert only

Spare parts

Designation	Extractor			
				
SFER/L	ETG 3-4			

• Extractor should be ordered separately

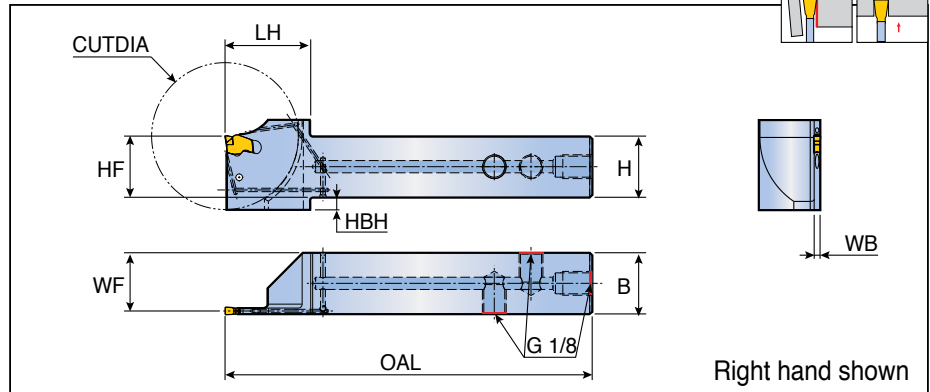


SFER/L-TB

External holders for parting and deep grooving with high-pressure coolant



COOLBURST



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

	70 bar flow rate (ℓ/min)	100 bar flow rate (ℓ/min)	140 bar flow rate (ℓ/min)
SFER/L 2525-2T25-D50-TB	10-12	12-14	15-17
2525-3T30-D60-TB	14-16	17-19	21-23

Spare parts

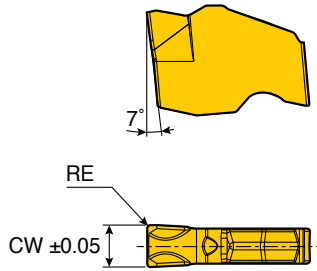
Designation	Plug 	Wrench 	Extractor 	
SFER/L-TB	PLG G1/8-L6.5	L-W 5	ETG 3-4	

• 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		

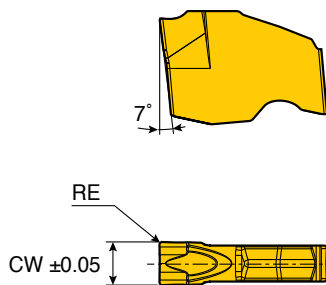
Insert	Designation	Insert seat size	Feed (mm/rev)	Cermet		Coated				Uncoated		
				CT3000		TT7505	TT6080	TT5100	TT9080	TT7220	TT8020	K10
	SFC 1.6	1	0.05-0.15						●		●	
	2	2	0.08-0.20						●		●	
	3	3	0.10-0.25						●		●	

●: 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

KIT COLLECTIONS

These kit products are available in the format listed below.



Cat. No.	Designation	Bill of materials	Qty.
6334854	KISFT-SFGB 32-1.6C TT9080	SFGB 32-1.6	1
		SFC 1.6 TT9080	3
		ETG 3-4	1
6334855	KISFT-SFGB 32-2C-TBTT9080	SFGB 32-2-TB	1
		SFC 2 TT9080	3
		ETG 3-4	1
6334856	KISFT-SFGB 32-3C-TBTT9080	SFGB 32-3-TB	1
		SFC 3 TT9080	3
		ETG 3-4	1



Cat. No.	Designation	Bill of materials	Qty.
6337915	KISFS-SFGB 32-1.6C TT9080	SFGB 32-1.6	1
		SFC 1.6 TT9080	20
		ETG 3-4	1
6337916	KISFS-SFGB 32-2C-TBTT9080	SFGB 32-2-TB	1
		SFC 2 TT9080	20
		ETG 3-4	1
6337917	KISFS-SFGB 32-3C-TBTT9080	SFGB 32-3-TB	1
		SFC 3 TT9080	20
		ETG 3-4	1



Cat. No.	Designation	Bill of materials	Qty.
6338468	KISFF-A-SFC 1.6 TT9080	SFC 1.6 TT9080	100
6338469	KISFF-B-SFC 1.6 TT9080		300
6338470	KISFF-A-SFC 2 TT9080	SFC 2 TT9080	100
6338471	KISFF-B-SFC 2 TT9080		300
6338472	KISFF-A-SFC 3 TT9080	SFC 3 TT9080	100
6338473	KISFF-B-SFC 3 TT9080		300