

NPN

New Product News



SPEED BARREL

New, Higher Productivity Profile Milling Barrel Inserts and Holders



KEY POINT

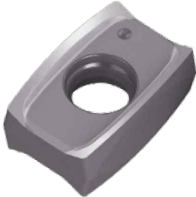
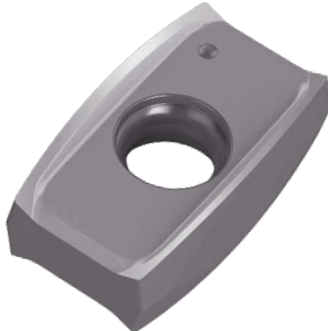
TaeguTec introduces the SFEED-BARREL, a barrel insert line for higher productivity finishing in profile milling.

The BRHU insert from SFEED-BARREL is a double-sided, four-corner barrel insert for profiling operations. The same pitch machining is achieved by a large radius cutting edge that produces great surface roughness; even in wide pitch machining conditions, the same roughness is maintained for higher productivity. The insert-type cutter has more teeth and a larger diameter, which boosts productivity while maintaining a smooth surface. Additionally, the BRHU insert uses an endmill coating to produce sharp edges, while its precision grinding feature is employed for precise runout and to produce parts with excellent surface finishes.

To use barrel inserts on 5-axis machining centers, CAM software is required. CAM software support is currently offered for hyperMILL and CATIA NC.

For CAM help and other technical questions, please contact the product manager.

SFEED-BARREL BRHU Insert **new**

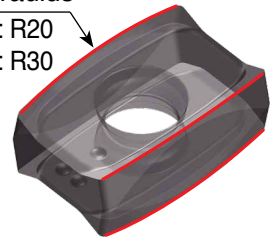
BRHU 06	BRHU 12
	



Features

- Economical double-sided 4-corner inserts
- Larger radius cutting edge
 - Improved surface roughness
 - Wider pitch machining means higher productivity

Large radius
06 size: R20
12 size: R30



	Ball type insert	SPEED-BARREL insert
Same pitch machining	<p>Pitch</p> <p>Roughness</p>	<p>Same pitch machining</p> <p>Great roughness</p>
Maintained roughness	<p>Pitch</p> <p>Roughness</p>	<p>Wide pitch</p> <p>Maintained roughness</p>

- Cutters available in a wide variety of entering angles

- TBR90



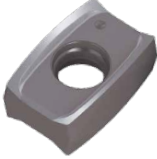



- TBR75



- TBR45



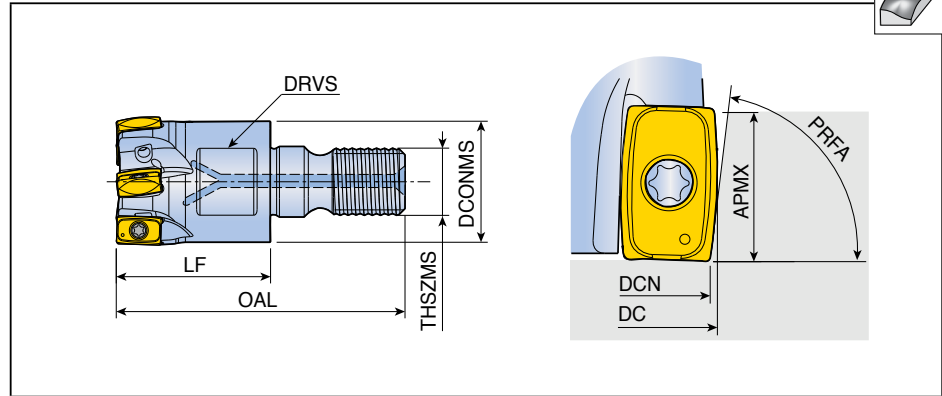
Cutter diameter range according to entering angle

Insert	Cutter		
	TBR90	TBR75	TBR45
			
BRHU 06	Ø12 - Ø25	Ø16 - Ø25	Ø16 - Ø20
BRHU 12	Ø20 - Ø32	Ø20 - Ø32	Ø32

TBR90-M-06/12



Modular heads



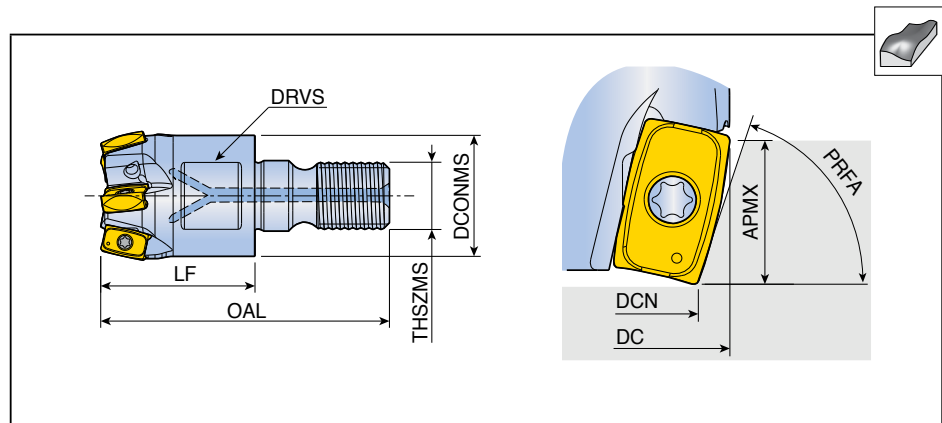
Designation		Dimension (mm)										Coolant hole	Insert
		DC	DCN	APMX	PRFA	DCONMS	LF	OAL	THSZMS	DRVS			
TBR90 312-M06-06	3	12	10.95	6.3	80°-90°	11	17	31.5	M06	8	●	BRHU 06...	
416-M08-06	4	16	14.95	6.3	80°-90°	13	23	40.5	M08	10	●		
520-M10-06	5	20	18.95	6.3	80°-90°	18	23	43	M10	15	●		
725-M12-06	7	25	22.95	6.3	80°-90°	21	27	49	M12	17	●		
TBR90 320-M10-12	3	20	17.5	12.0	75°-90°	18	27	47	M10	15	●	BRHU 12...	
425-M12-12	4	25	22.8	12.0	75°-90°	21	35	57	M12	17	●		
532-M16-12	5	32	29.8	12.0	75°-90°	29	38	63	M16	25	●		

► Matched with T-FLEXTEC holder

TBR75-M-06/12



Modular heads



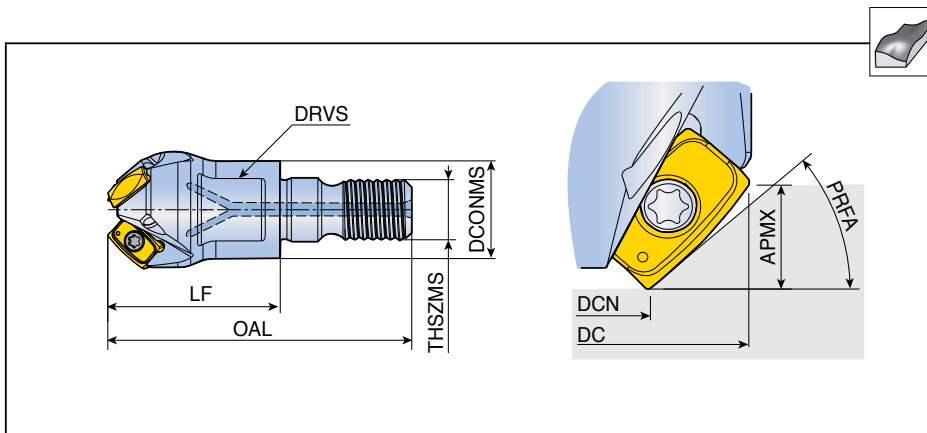
Designation		Dimension (mm)										Coolant hole	Insert
		DC	DCN	APMX	PRFA	DCONMS	LF	OAL	THSZMS	DRVS			
TBR75 416-M08-06	4	16	12.75	6.14	69°-81°	13	23	40.5	M08	10	●	BRHU 06...	
520-M10-06	5	20	16.75	6.14	69°-81°	18	23	43	M10	15	●		
625-M12-06	6	25	21.75	6.14	69°-81°	21	27	49	M12	17	●		
TBR75 220-M10-12	2	20	13.8	11.7	67°-83°	18	27	47	M10	15	●	BRHU 12...	
325-M12-12	3	25	18.8	11.7	67°-83°	21	35	57	M12	17	●		
532-M16-12	5	32	25.8	11.7	67°-83°	29	38	63	M16	25	●		

► Matched with T-FLEXTEC holder



TBR45-M-06/12

Modular heads



Designation		Dimension (mm)										Coolant hole	Insert
		DC	DCN	APMX	PRFA	DCONMS	LF	OAL	THSZMS	DRVS			
TBR45 316-M08-06	3	16	7	4.2	39°-51°	13	23	40.5	M08	10	●	BRHU 06...	
420-M10-06	4	20	11	4.2	39°-51°	18	23	43	M10	15	●		
TBR45 332-M16-12	3	32	15	8.4	37°-53°	29	38	63	M16	25	●	BRHU 12...	

► Matched with T-FLEXTEC holder

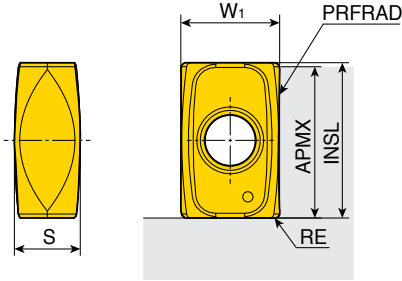
Spare parts

Designation	Screw	Wrench			
TBR-M-06	TS 180411/HG	TD 6P			
TBR-M-12	TS 30B0681/HG	TD 8			

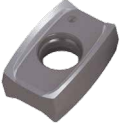


BRHU 06/12

Inserts



Size	Dimension (mm)					
	W1	S	APMX	INSL	RE	PRFRAD
06	4.2	2.8	6.4	6.6	0.2	20
12	7	4.56	12.2	12.4	0.2	30

Insert	Designation	Recommended machining conditions		Coated						Uncoated			
		ap (mm)	Feed (mm/tooth)	TT9080	TT9030	TT8080	TT8020	TT8525B	TT7080	TT7515	TT5515	TT2510	K10
	BRHU 06R2002-L	-	0.15-0.08										
	12R3002-L	-	0.20-0.08								●		

●: Standard items