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NPN

New Product News

new

TaeguTec WINSFEED ADVANCED MACHINING

CHASE8SFEED FACING & HIGH FEED

8-Corners SQKU 11 & 14 Inserts for High Productivity Face Milling

ADVANCE CUTTING TaeguTec

TaeguTec Member IMC Group

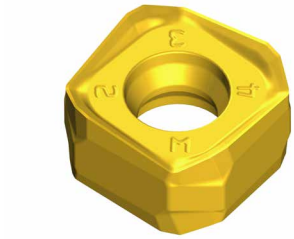
KEY POINT

TaeguTec has introduced the CHASE-8-SFEED line for rough and high feed face milling operations.

The newly released CHASE-8-SFEED, for roughing (45°) and high feed (20°) face milling, provides higher productivity than conventional double-sided 8-corner inserts by applying a reinforced edge shape and a unique insert pocket angle. Excellent machining performance, under harsh cutting conditions, is obtained due to the high negative radial rake angle and high positive axial rake angle. Coupled with the stronger body rigidity, excellent chip evacuation is the result. CHASE-8-SFEED inserts are available in two sizes, SQKU 11 and 14, and the same insert can be used interchangeably with 45° roughing cutters and 20° high feed cutters.

For further information, please contact the product manager.

CHASE-8-SFEED Insert

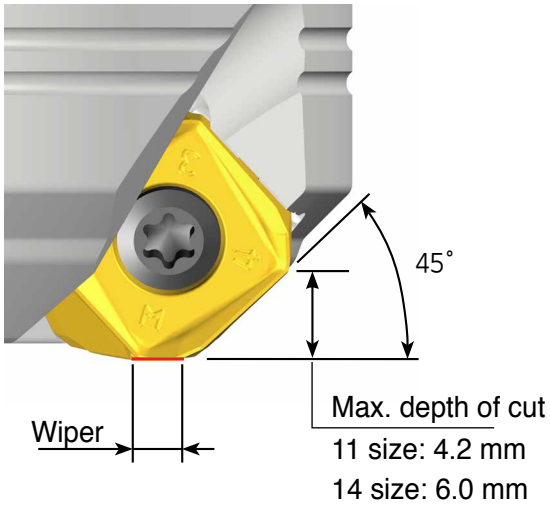
new SQKU 11	new SQKU 14
	

Features

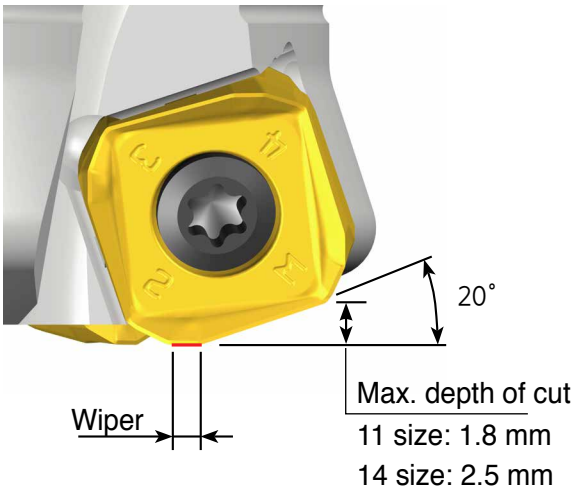
■ Economical double-sided 8-corner insert

■ Two entering angle cutters for roughing and high feed machining

- 45° cutters: deep depth of cut for roughing



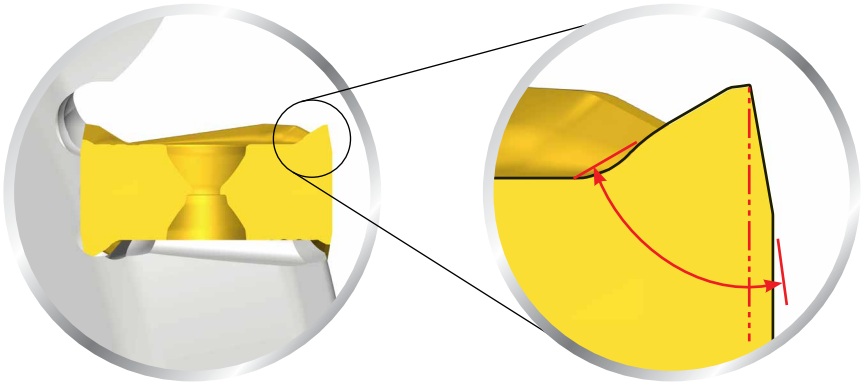
- 20° cutters: for high feed milling



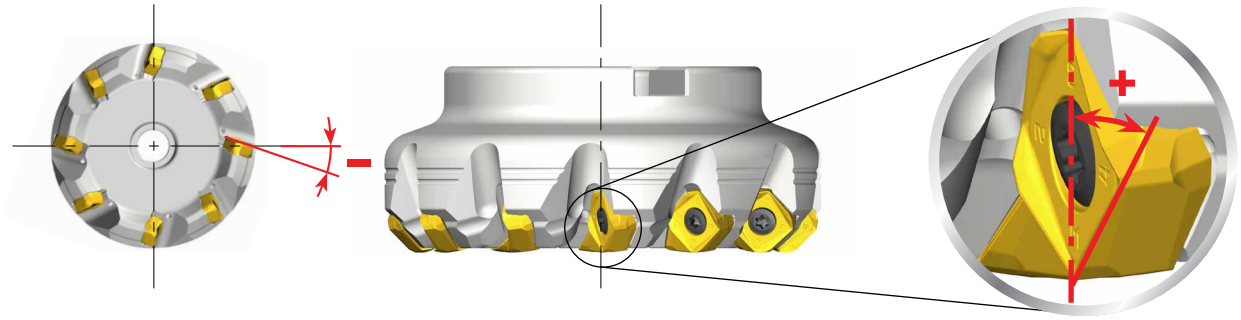
■ Wiper edge for excellent surface roughness

- Note: good visual roughness requires feed rate adjustment

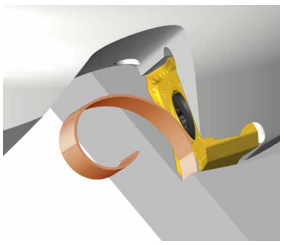
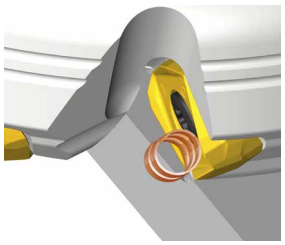
■ Reinforced edge optimized for high feed machining

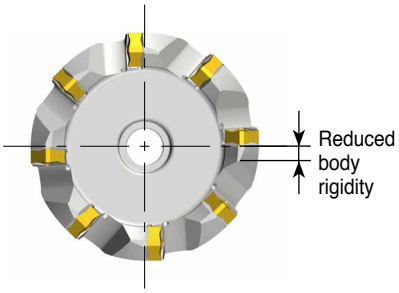
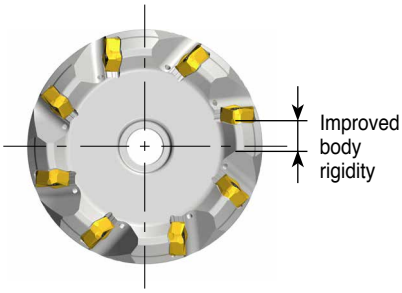
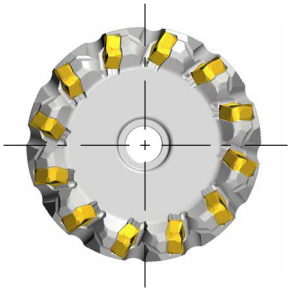


■ High negative radial rake angle and high positive axial rake angle



- Excellent chip evacuation due to reduced chip volume
- Enhanced body rigidity for excellent machining performance under harsh cutting conditions
- Fine pitch cutter maximizes productivity

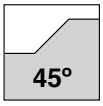
Conventional	new CHASE-8-SFEED
	

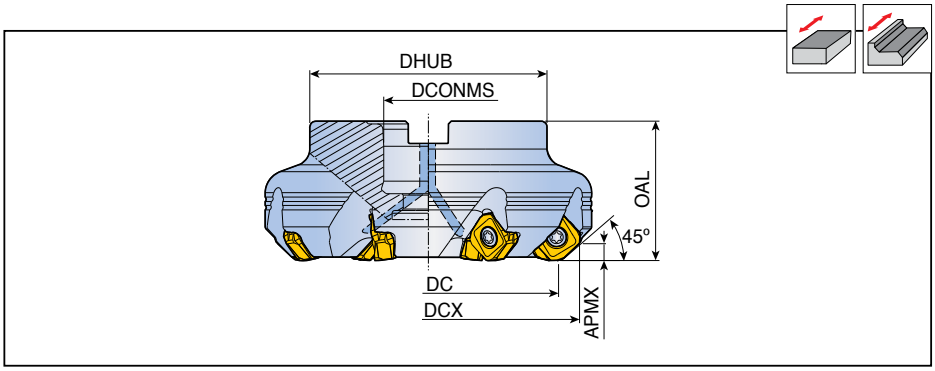
Conventional cutter	new CHASE-8-SFEED cutter	
	Normal pitch	Fine pitch
		
Reduced body rigidity due to the wider space for insert clamping and chip evacuation	Improved body rigidity due to the ideal chip evacuation in a more confined space	Larger number of teeth for higher productivity

8D-TF45-11/14

CHASE8SFEED
FACING & HIGH FEED

Face mills





Designation		Dimension (mm)						Coolant hole	Arbor type	Kg	Mounting bolt	Insert
		DC	DCX	DCONMS	DHUB	OAL	APMX					
8D-TF45-440-16R-11	4	40	51	16	38	40	4.2	●	A	0.4	SH M8X25	SQKU 1105 ANR-M
640-16R-11	6	40	51	16	38	40	4.2	●	A	0.4	SH M8X25	
650-22R-11	6	50	61	22	45	40	4.2	●	A	0.5	LH M10X25	
850-22R-11	8	50	61	22	45	40	4.2	●	A	0.5	LH M10X25	
763-22R-11	7	63	74	22	47	50	4.2	●	A	1.0	SH M10X30	
1063-22R-11	10	63	74	22	47	50	4.2	●	A	1.0	SH M10X30	
880-27R-11	8	80	91	27	70	50	4.2	●	A	1.6	LH M12X30	
1280-27R-11	12	80	91	27	70	50	4.2	●	A	1.6	LH M12X30	
9100-32R-11	9	100	111	32	85	50	4.2	●	A	2.4	LH M16X35	
14100-32R-11	14	100	111	32	85	50	4.2	●	A	2.5	LH M16X35	
12125-40R-11	12	125	136	40	85	63	4.2	●	A	4.0	SH M20X40	
18125-40R-11	18	125	136	40	85	63	4.2	●	A	4.1	SH M20X40	
16160-40R-11	16	160	171	40	110	63	4.2	x	C	5.6	-	
24160-40R-11	24	160	171	40	110	63	4.2	x	C	5.6	-	
8D-TF45-450-22R-14	4	50	65.5	22	45	40	6.0	●	A	0.6	LH M10X25	SQKU 1406 ANR-M
650-22R-14	6	50	65.5	22	45	40	6.0	●	A	0.6	LH M10X25	
663-22R-14	6	63	78.5	22	47	50	6.0	●	A	1.1	SH M10X30	
863-22R-14	8	63	78.5	22	47	50	6.0	●	A	1.0	SH M10X30	
780-27R-14	7	80	95.5	27	70	50	6.0	●	A	1.7	LH M12X30	
1080-27R-14	10	80	95.5	27	70	50	6.0	●	A	1.7	LH M12X30	
8100-32R-14	8	100	115.5	32	85	50	6.0	●	A	2.6	LH M16X35	
12100-32R-14	12	100	115.5	32	85	50	6.0	●	A	2.5	LH M16X35	
10125-40R-14	10	125	140.5	40	85	63	6.0	●	A	4.4	SH M20X40	
16125-40R-14	16	125	140.5	40	85	63	6.0	●	A	4.3	SH M20X40	
12160-40R-14	12	160	175.5	40	110	63	6.0	x	C	5.9	-	
20160-40R-14	20	160	175.5	40	110	63	6.0	x	C	5.9	-	
18200-60R-14	18	200	215.5	60	130	63	6.0	x	C	8.4	-	
26200-60R-14	26	200	215.5	60	130	63	6.0	x	C	8.3	-	

▸ Mounting bolt with coolant through hole is available on request (ordering example: SH M10x1.5x30-C)

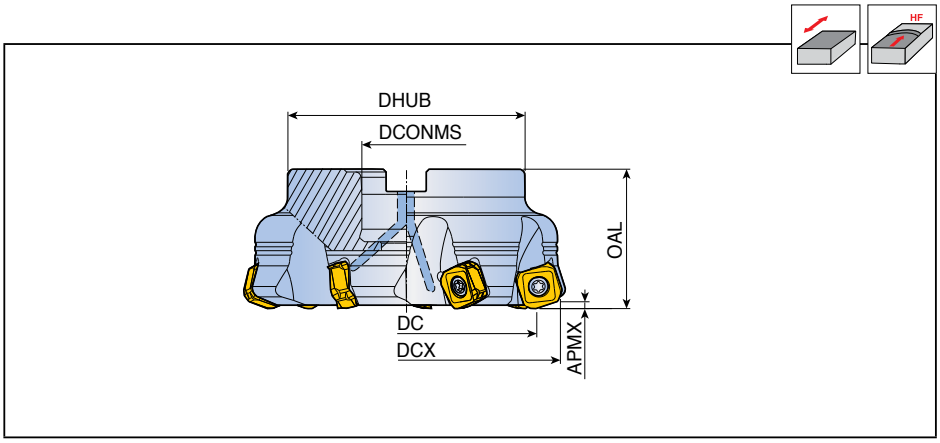
Spare parts

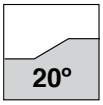
Designation	Screw	Wrench	Wrench handle		
					
8D-TF-11	TS 40A115I	TBLD T15-W6	SW6-T		
8D-TF-14	TS 50C130I/HG	TBLD T20-W6	SW6-T		

8D-TF20-11/14

CHASE8SFEED
FACING & HIGH FEED

High feed face mills





Designation		Dimension (mm)						Coolant hole	Arbor type	Kg	Mounting bolt	Insert
		DC	DCX	DCONMS	DHUB	OAL	APMX					
8D-TF20- 450-22R-11	4	50	63.5	22	45	40	1.8	●	A	0.5	SH M10X30	SQKU
563-22R-11	5	63	76.5	22	47	50	1.8	●	A	0.9	SH M10X30	1105
680-27R-11	6	80	93.5	27	70	50	1.8	●	A	1.5	SH M12X35	ANR-M
8100-32R-11	8	100	113.5	32	85	50	1.8	●	A	2.2	LH M16X35	
8D-TF20- 563-22R-14	5	63	80.6	22	47	50	2.5	●	A	1.0	SH M10X30	SQKU
680-27R-14	6	80	97.6	27	70	50	2.5	●	A	1.7	SH M12X35	1406
7100-32R-14	7	100	117.5	32	85	50	2.5	●	A	2.5	LH M16X35	ANR-M
8125-40R-14	8	125	142.5	40	85	63	2.5	●	A	4.3	SH M20X40	

▸**Mounting bolt with coolant through hole is available on request (ordering example: SH M10x1.5x30-C)**

Spare parts

Designation	Screw	Wrench	Wrench handle		
					
8D-TF-11	TS 40A115I	TBLD T15-W6	SW6-T		
8D-TF-14	TS 50C130I/HG	TBLD T20-W6	SW6-T		

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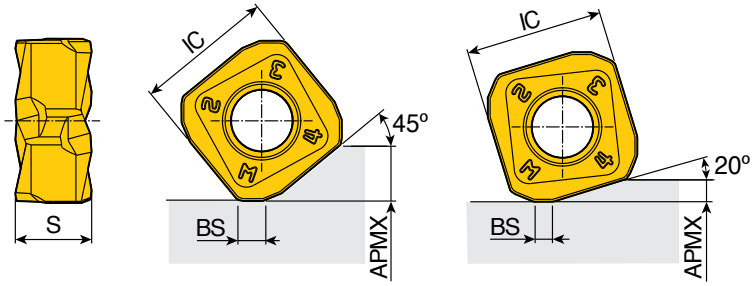
SQKU 11/14

CHASE8SFEED
FACING & HIGH FEED

Inserts



Size	Dimension (mm)					
	IC	S	APMX	BS		
11(45°)	11.2	6.3	4.2	1.9		
11(20°)	11.2	6.3	1.8	1.0		
14(45°)	14.5	7.8	6.0	2.0		
14(20°)	14.5	7.8	2.5	1.6		

Insert	Designation		Recommended machining conditions		Coated								Uncoated		
			ap (mm)	Feed (mm/tooth)	TT9080	TT9030	TT8080	TT8020	TT8525B	TT7080	TT7515	TT6080	K10		
	SQKU	**1105 ANR-M(45°)**	1.0-4.0	0.25-0.10	●				●			●			
		1105 ANR-M(20°)	0.2-1.5	1.50-0.30	●				●			●			
		1406 ANR-M(45°)	2.0-6.0	0.30-0.10	●				●			●			
		1406 ANR-M(20°)	0.3-2.0	2.30-0.40	●				●			●			

●: Standard items