

NPN

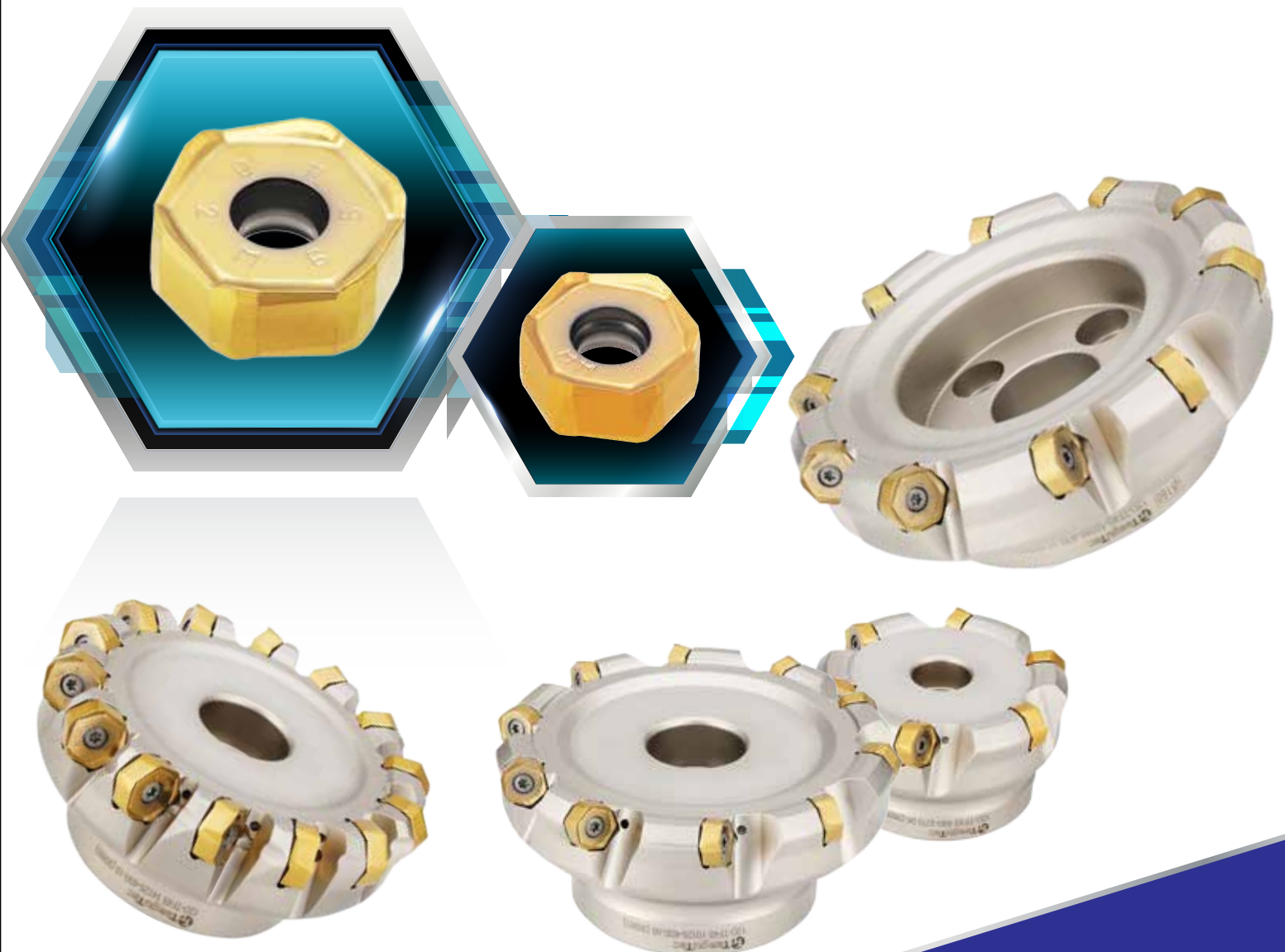
New Product News



CHASE 12 MILL

FACE MILLING

A High Productivity 45° Cutter Line
with Economical 12 Corner Insert



KEY POINT

TaeguTec has released a 45° entering angle cutter with economical 12 corner inserts for high productivity.

TaeguTec has launched the **CHASE-12-MILL** line; a double-sided 12 corner insert to improve productivity in heavy machining and roughing applications.

The **CHASE-12-MILL** delivers high reliability and productivity in high feed machining with a reinforced cutting edge insert and optimized cutter design (semi-tangential positioning). The high radially inclined angle provides excellent chip evacuation and minimizes vibration due to the increased cutter body's stiffness. This results in significant productivity gains in facing applications of general steels and cast iron.

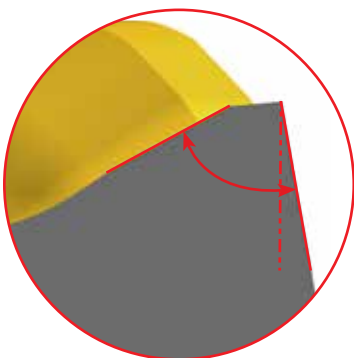
For further technical questions, please contact TaeguTec's product manager.



Features

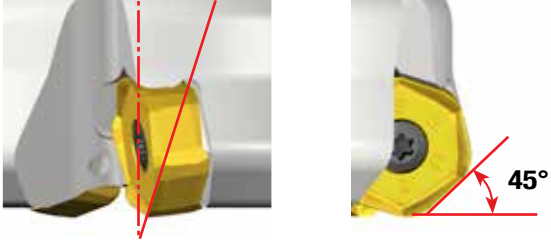
Insert

- Enhanced cutting edge for cutting stability and high feed machining
- Acute cutter pocket design and inclined screw clamping enables robust clamping
- High helical cutting edges for smooth machining
- Double-sided 12 corner insert

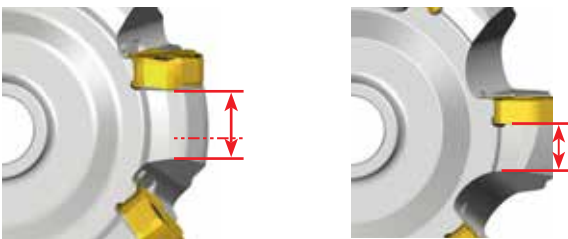


Cutters

- High radially inclined insert arrangement enables smooth machining and excellent chip evacuation



- Maximized cutter body stiffness

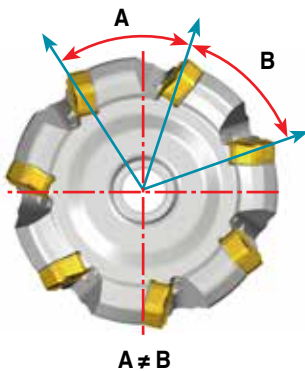


CHASE-12-MILL

Current

Higher thickness cutter design when fitted with the same size inserts

- Unequal placement of inserts minimizes vibration



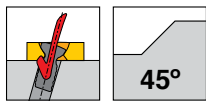
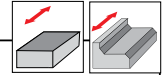
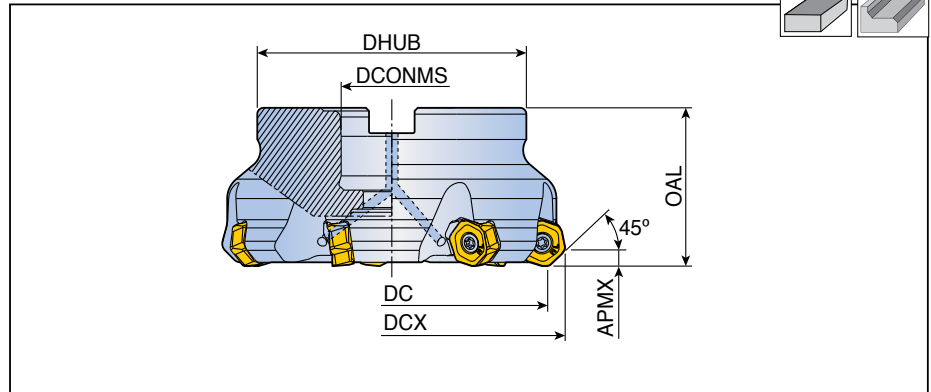
- High inclination angle and inclined screw means a finer pitch cutter



12D-TF45-06



Face mills



Designation		Dimension (mm)						Coolant	Arbor type	Kg	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	LH M16x35	
12100-32R-06	12	100	110.8	32	85	50	3.0	●	A	2.2	LH 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	-	

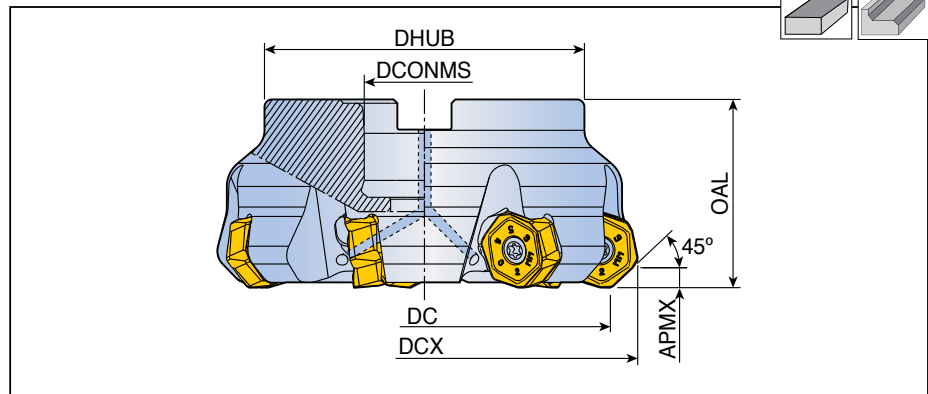
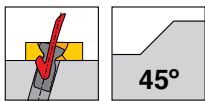
Spare parts

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	-	

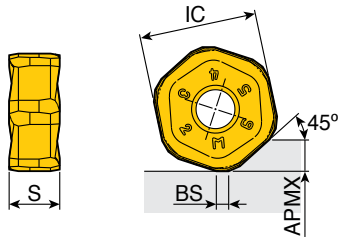
Spare parts

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

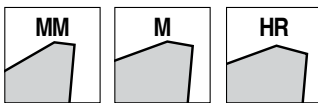
HXK(H)U



Inserts



Size	Dimension (mm)					
	IC	S	APMX	BS		
06-MM	14	6.8	3	1.3		
06-M	14	6.8	3	1.0		
10-MM	19.05	8.3	5	1.6		
10-M/HR	19.05	8.3	5	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

KIT COLLECTIONS

These kit products are available in the format listed below.



Cat. No.	Designation	Bill of materials	Qty.
6334805	KISFT-12D-TF45-680-06	12D-TF45-680-27R-06	1
		HXKU 0605 ANR-M TT8525	12
6334806	KISFT-12D-TF45-7100-06	12D-TF45-7100-32R-06	1
		HXKU 0605 ANR-M TT8525	14
6334807	KISFT-12D-TF45-10125-06	12D-TF45-10125-40R-06	1
		HXKU 0605 ANR-M TT8525	20
6334808	KISFT-12D-TF45-680-10	12D-TF45-680-27R-10	1
		HXKU 1007 ANR-M TT8525	12
6334809	KISFT-12D-TF45-7100-10	12D-TF45-7100-32R-10	1
		HXKU 1007 ANR-M TT8525	14
6334810	KISFT-12D-TF45-8125-10	12D-TF45-8125-40R-10	1
		HXKU 1007 ANR-M TT8525	16



Cat. No.	Designation	Bill of materials	Qty.
6337870	KISFS-12D-TF45-680-06	12D-TF45-680-27R-06	1
		HXKU 0605 ANR-M TT8525	50
6337871	KISFS-12D-TF45-7100-06	12D-TF45-7100-32R-06	1
		HXKU 0605 ANR-M TT8525	50
6337872	KISFS-12D-TF45-10125-06	12D-TF45-10125-40R-06	1
		HXKU 0605 ANR-M TT8525	50
6337873	KISFS-12D-TF45-680-10	12D-TF45-680-27R-10	1
		HXKU 1007 ANR-M TT8525	50
6337874	KISFS-12D-TF45-7100-10	12D-TF45-7100-32R-10	1
		HXKU 1007 ANR-M TT8525	50
6337875	KISFS-12D-TF45-8125-10	12D-TF45-8125-40R-10	1
		HXKU 1007 ANR-M TT8525	50



Cat. No.	Designation	Bill of materials	Qty.
6338441	KISFF-A-HXKU 06-M TT8525	HXKU 0605 ANR-M TT8525	100
6338442	KISFF-B-HXKU 06-M TT8525		300
6338443	KISFF-A-HXKU 10-M TT8525	HXKU 1007 ANR-M TT8525	100
6338444	KISFF-B-HXKU 10-M TT8525		300