

Duracarb Milling Line New Product Announcement

D2-Mill 43°

D - Wedge Face Mill Cutters

ONMU 07 for SG Iron & CI applications

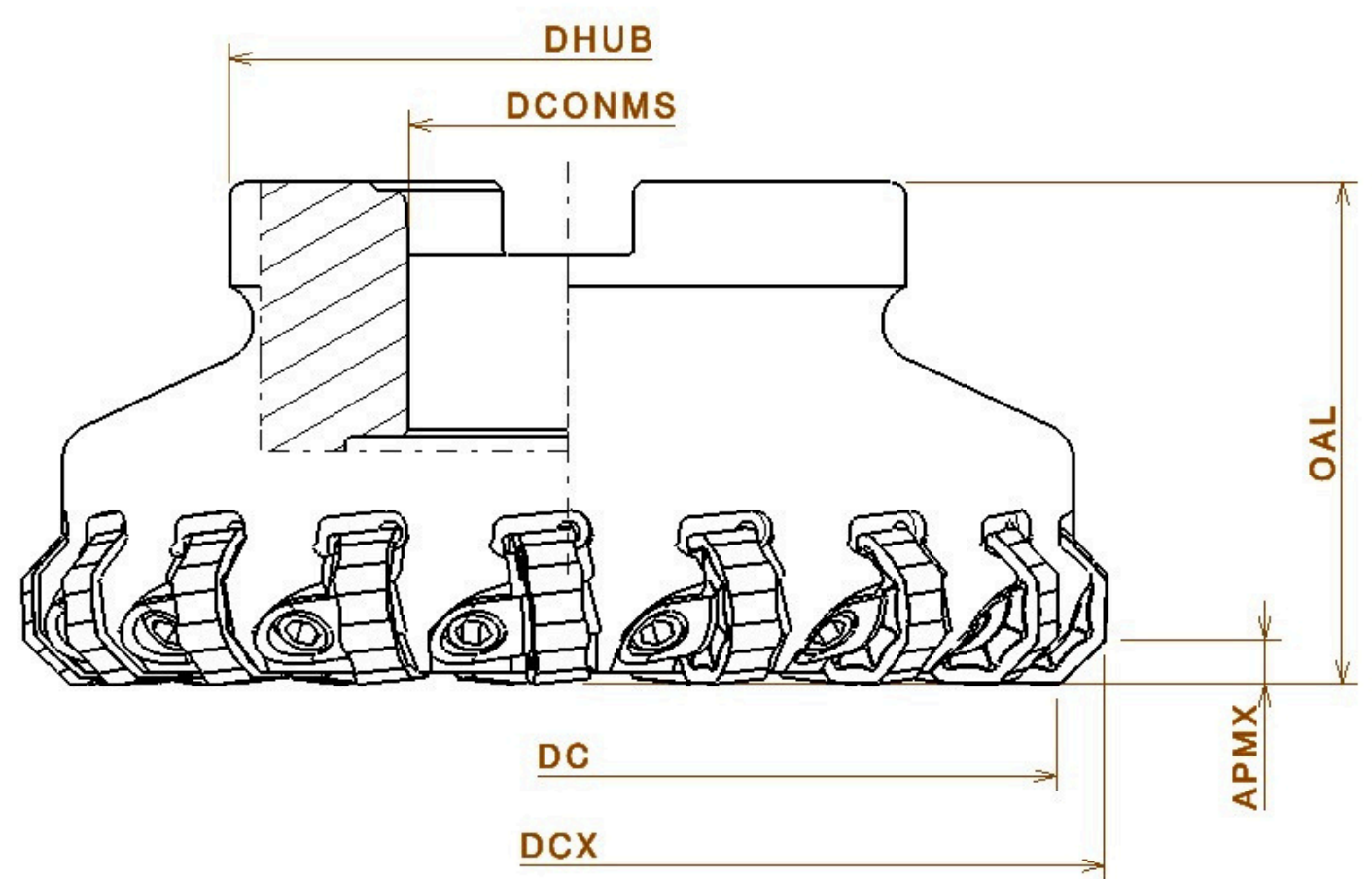
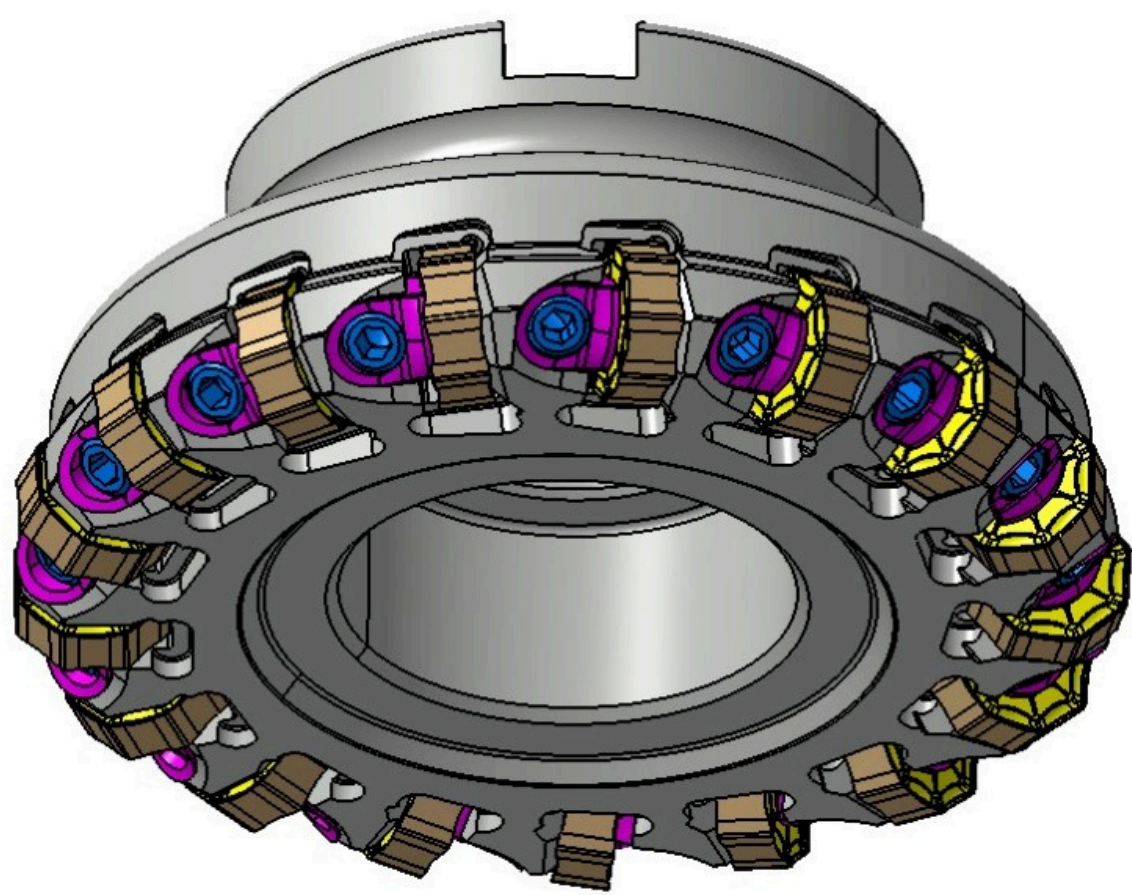
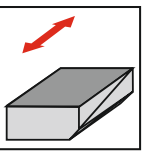
Features

- **Economical Inserts:** Cutters feature cost-effective 16-corner negative inserts with precision-engineered helical cutting edges.
- **Versatile Application:** 43° face milling design makes this cutter ideal for machines with a wide range of spindle power capabilities.
- **Robust Clamping:** Large wedges ensure exceptionally secure insert clamping, promoting stability and longevity.

Benefits

- **High-Feed Performance:** Optimized for high-feed face milling even on smaller machines or less rigid setups.
- **Machine Compatibility:** Performs superbly on both cutting-edge CNC machines and traditional conventional equipment.
- **Superior Surface Finish:** Achieve exceptional surface smoothness even when using aggressive feed rates.
- **Efficient Chip Control:** Innovative cutting-edge geometry promotes swift chip removal and minimizes cutting forces.
- **Extended Tool Life:** Capable of cutting depths up to 4mm, enhancing cutting tool lifespan and reducing downtime.

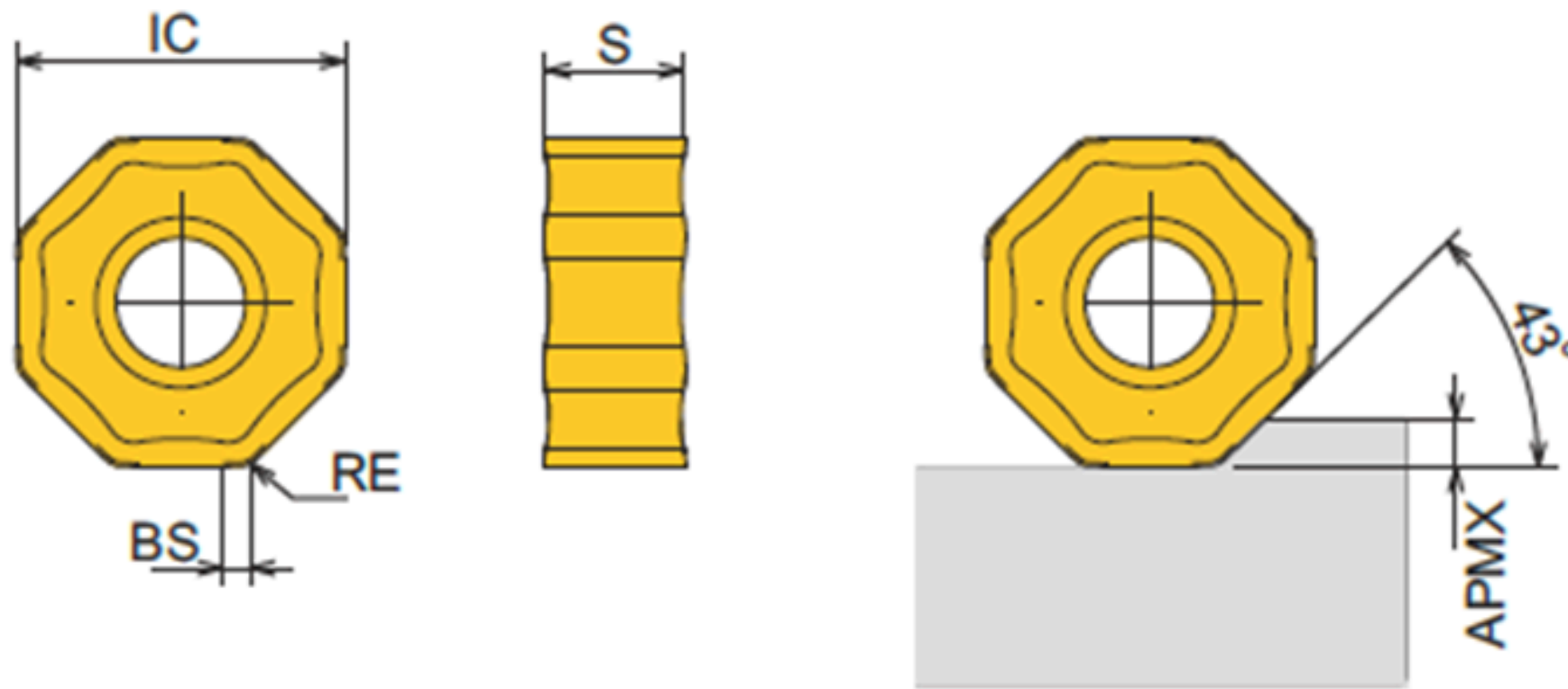
D – WEDGE - 43FW-ON07-W





Designation	CICT	Dimension (mm)						Arbor Style	Weight (KG)	Mounting Bolt
		DC	DCX	DHUB	DCONMS	APMX	OAL			
43FW10 D80-27R-ON07-WDG	10	80	92.2	70	27	4	50	A	1.3	SH M12X1.75X30
43FW13 D100-32R-ON07-WDG	13	100	112.2	85	32	4	63	A	2.5	SH M16X2X30
43FW17 D125-40R-ON07-WDG	17	125	137.2	85	40	4	63	B	3.7	
43FW20 D160-40R-ON07-WDG	20	160	172.2	110	40	4	63	B	5.4	

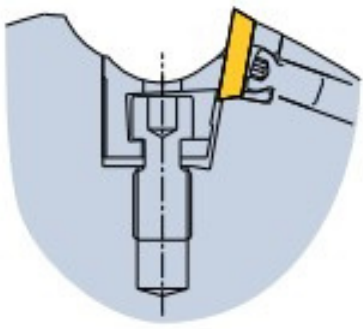
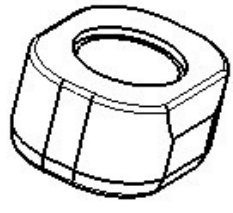
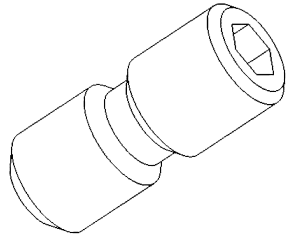

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ONMU 07/ ONHU 07



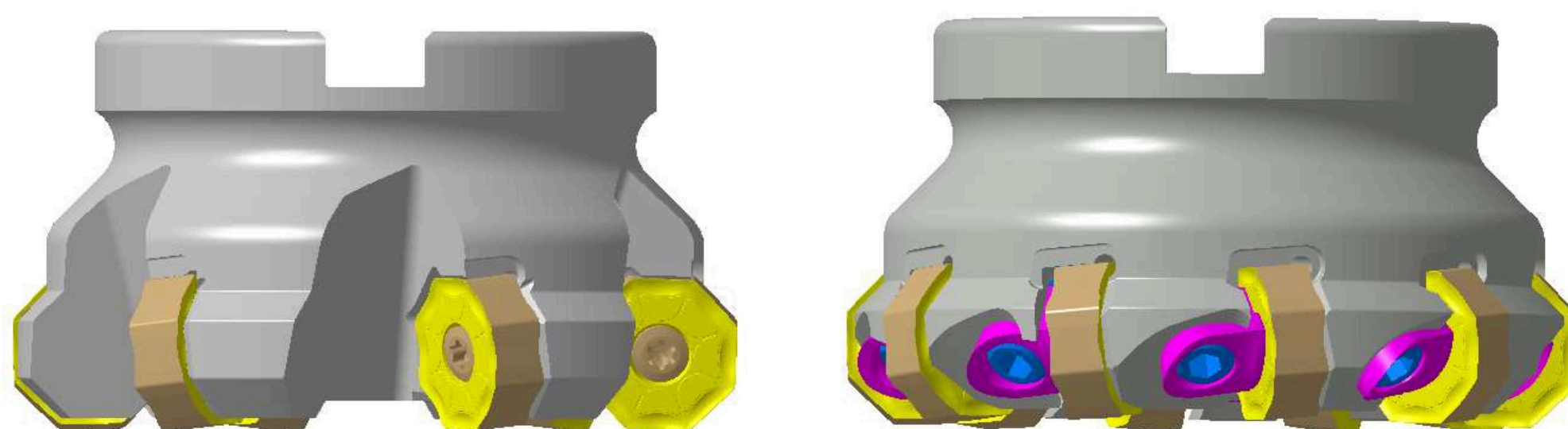
Insert	Designation	Dimension (mm)					Coated				
		IC	S	RE	APMX	BS	DP5320	DC9200	DP7320	DC9800	DP5035
	ONMU 070608-M	19	6	0.8	4	1.0	•	•	•	•	•
	ONMU 070608-ML	19	6	0.8	4	1.7	•	•	•	•	•

Spare Parts

Component	Wedge	Wedge Screw	Wrench
			
	DWFZ 8H	DNSM 0825	DTTW-4

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Productivity comparison between screw type and wedge type



Cutter Dia	Existing Screw Type	Proposed Wedge Type Pitch	% Improvement in Productivity
Ø80	8	10	25
Ø100	10	13	30
Ø125	13	17	30
Ø160	15	20	33

Recommended Conditions

ISO	Material	Brinell	D.O.C (mm)	Speed (m/min)	Recommended Grades	Feed (mm/tooth)
K	Grey Cast Iron	190-220	1.0-4.0	140-220	DC9200,DC9800,DP7320	0.10-0.25
	Nodular Cast Iron	140-200	1.0-4.0	140-220	DC9200,DC9800,DP7320	0.10-0.25