

High feed milling cutter

MXG07 type



Minimum tool diameter: $\phi 10$

Max. depth of cut: **0.5 mm**

- **Economical double-sided insert** with 4 cutting edges
- High-Rigidity Design for Stability

Feature

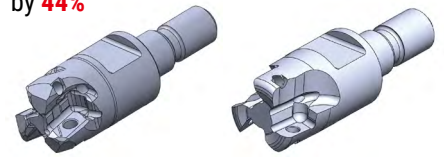
High-Rigidity Design for Stability.

Compared to Conventional Model

NEW MXG07

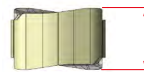
MPM

Improved body rigidity by **44%**



NEW MXG07
ENMU07...

MPM
EOMT06...



Insert thickness increased by 14%

NEW MXG07
M2 screw

MPM
M1.8 screw



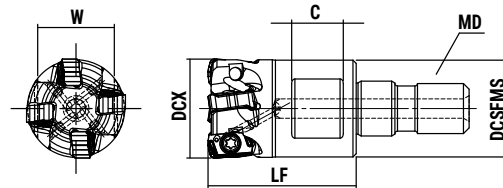
Fine-pitch

Coarse-pitch

MXG07
TYPE

Modular Type

Through coolant hole



Cat.No.	Stock	No. of inserts	Dimensions (mm)						Insert
			DCX	LF	DCSFMS	MD	C	W	
MXG-2010-07-M6	●	2	10	18	9.5	M6	6.5	8	ENMU07T207ZER-PM
MXG-3012-07-M6	●	3	12	20	11.2	M6	6.5	8	
MXG-3013-07-M6	●	3	13	20	11.2	M6	6.5	8	
MXG-4016-07-M8	●	4	16	23	15	M8	8	12	

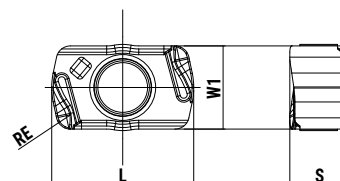
Note: All cutters are supplied without inserts or wrench.

● : Stocked Items

Screw	Torque(N.m)	Wrench
TSW-2044H	0.5	A-06

MXG07
TYPE

Insert

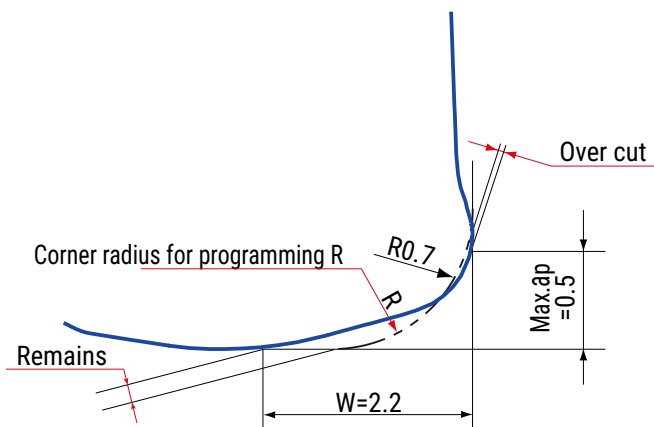


Cat.No.	Tolerance	PVD Coating		Dimensions (mm)			
		JC8050	JC8118	RE	L	W1	S
ENMU07T207ZER-PM	M	●	●	0.7	7	4.1	2.85

Note: 10 inserts per case.

● : Stocked Items

Definition of corner shape for programming



(mm)		
Corner radius for programming	Remains	Over cut
1.0 (Std.)	0.21	0
1.5	0.10	0.15
2.0	0.01	0.85

Recommended Cutting Conditions

Material	Insert	Grade	Vc (m/min)	fz (mm/t)	ap (mm)	ae (mm)
Carbon Steel below 250HB	ENMU07**-PM	JC8050	165	1.0	0.3	0.7 Dc
Tool & Die Steel below 255HB	ENMU07**-PM	JC8050	150	1.0	0.3	0.7 Dc
Mold Steel 30-36HRC	ENMU07**-PM	JC8050 (JC8118)	150	1.0	0.3	0.7 Dc
Mold Steel 38-43HRC	ENMU07**-PM	JC8118	120	0.9	0.3	0.7 Dc
Hardened Die Steel 42-52HRC	ENMU07**-PM	JC8118	90	0.6	0.25	0.7 Dc
Grey Cast Iron	ENMU07**-PM	JC8118 (JC8050)	200	1.0	0.3	0.7 Dc
Nodular Cast Iron	ENMU07**-PM	JC8118 (JC8050)	200	1.0	0.3	0.7 Dc
Stainless Steel	ENMU07**-PM	JC8050	165	1.0	0.3	0.7 Dc

Note:

- These parameters represent stable machining at lengths 3×D.
Please adjust cutting conditions according to machine rigidity or work rigidity.
- In case of chatter occurring, recommended to reduce ap or rpm and keep feed per tooth.
- ap should be reduced when using on low rigidity machine.
- Use air blow.