



ZIBTR PRO
tehnologija obdelave · vpenjalni sistemi



MXG-07 PDF

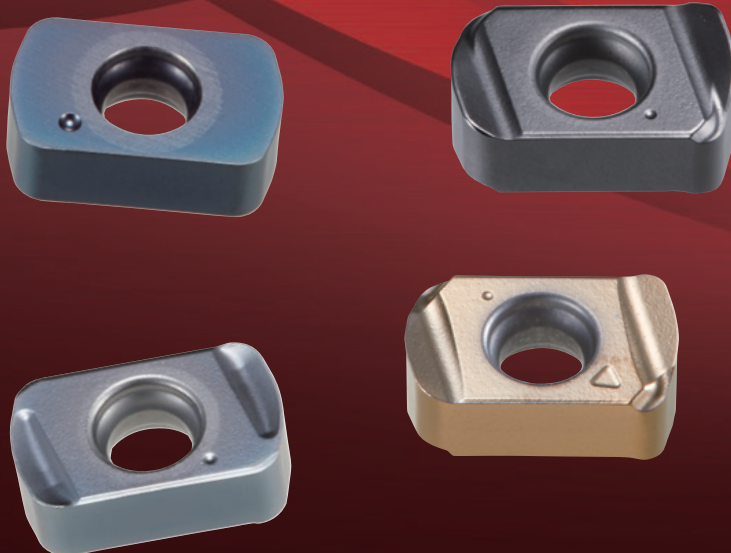


MXG-07 VIDEO



NEW MXG-07

■ Modular type: $\varnothing 10$ - $\varnothing 16$



26-04

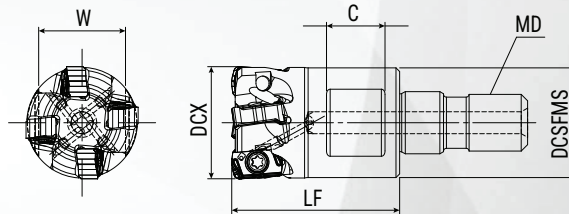
MXG 07 - High Rigidity Desing



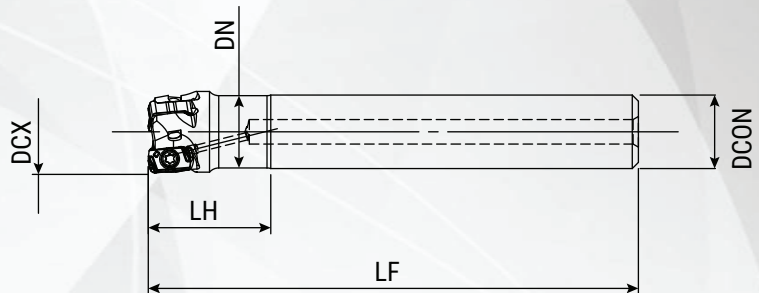
MXG 07 - Izjemna togost in stabilnost

High feed milling cutter

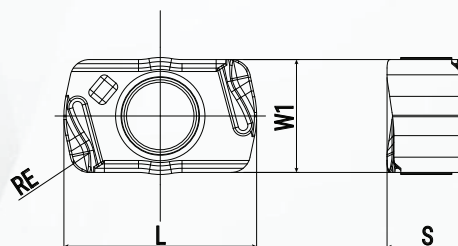
MXG07 type



Držalo	DCX	Z	Md	LF	Ploščice	Brezplačno držalo ob nakupu ploščic
MXG-2010-07-M6	10	2	M6	18	ENMU 07T207...	20 kos
MXG-3012-07-M6	12	3	M6	20		30 kos
MXG-3013-07-M6	13	3	M6	20		30 kos
MXG-4016-07-M8	16	4	M8	23		30 kos



Držalo	DCX	Z	DOCN	LH	LF	Ploščice	Brezplačno držalo ob nakupu ploščic
GMX-2010-07-20-S10+A	10	2	10	20	80	ENMU 07T207...	20 kos
GMX-3012-07-20-S12+A	12	3	12	20	80		30 kos
GMX-3014-07-20-S12+A	14	3	12	20	80		30 kos
GMX-2011-07-20-S10-LS+A	11	2	10	20	120		20 kos
GMX-3013-07-20-S12-LS+A	13	3	12	20	120		30 kos
GMX-3014-07-20-S12-LS+A	14	3	12	20	120		30 kos



Ploščice	PVD Kvaliteta			Dimenzije (mm)		
	JC8050	JC8118	RE	L	W1	S
ENMU 07T207 ZER-PM	•	•	0,7	7	4,1	2,85

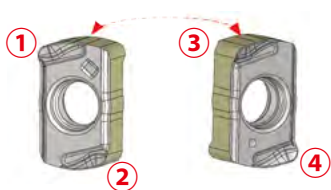
• Programski radij Rp=1,0mm

High-Feed Milling Cutter Multi-Blade Design with **Double-Sided Compact Inserts** for High Productivity

Feature 1

Lineup from $\varnothing 10$, featuring economical double-sided inserts with four cutting edges.

1. Economical Double-Sided Inserts



2. Lineup from $\varnothing 10$ – Insert size 07



- ✓ Tool diameter $\varnothing 10$ – $\varnothing 16$ mm
- ✓ Max. depth of cut: **0.5 mm**
- ✓ **Modular type:** $\varnothing 10$ – $\varnothing 16$ mm
- Shank type:** $\varnothing 10$ – $\varnothing 14$ mm

Feature 2

High-Rigidity Design for Stable, Reliable Machining.

1. Increased insert rigidity



NEW

MXG07
ENMU07...

MPM
EOMT06...



2. M2 Fine-Pitch Screw

Fine-pitch
M2 screw



NEW

MXG07

Coarse-pitch
M1.8 screw



MPM
(Conventional model)

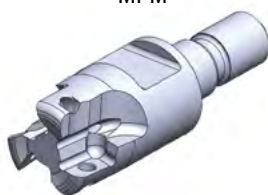
3. High-Rigidity Body Design

NEW

MXG07



MPM



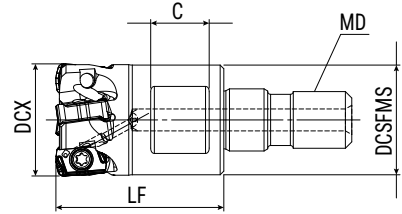
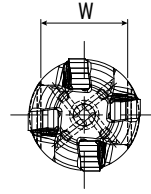
Body rigidity improved by 44%

Through coolant hole



MXG07
TYPE

Modular Type



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 cutter bodies are supplied without Inserts, Wrench and MOLY.

● : Stocked Items

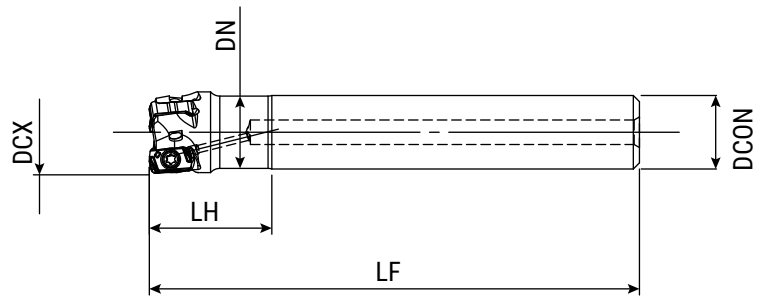
Screw	Torque(N.m)	Wrench
TSW-2044H	0.5	A-06

GMX07/MXG07 type

GMX07
TYPE

Shank Type

Through coolant hole



Type	Cat.No.	Stock	No. of inserts	Dimensions (mm)					Insert
				DCX	LH	LF	DN	DCON	
Standard	GMX2010-07-20-S10+A	●	2	10	20	80	9.2	10	ENMU07T207ZER-PM
	GMX3012-07-20-S12+A	●	3	12	20	80	11.2	12	
	GMX3014-07-20-S12+A	●	3	14	20	80	11.8	12	
Long shank	GMX2011-07-20-S10-LS+A	●	2	11	20	120	9.6	10	
	GMX3013-07-20-S12-LS+A	●	3	13	20	120	11.6	12	
	GMX3014-07-20-S12-LS+A	●	3	14	20	120	11.8	12	

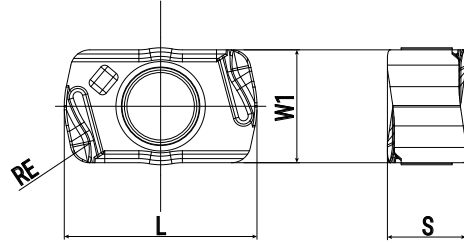
Note) All cutter bodies are supplied without Inserts, Wrench and MOLY.

● : Stocked Items

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

GMX07/MXG07
TYPE

Insert



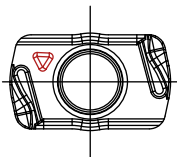
Cat.No.	Tolerance	PVD Coating		Dimensions (mm)			
		JC8050	JC8118	RE	L	W1	S
ENMU07T207ZER-PM	M	●	●	0.7	7	4.25	2.85

Note) 10 inserts per case.

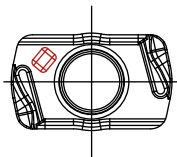
● : Stocked Items

GRADE MARKING

ENMU07T207ZER-PM

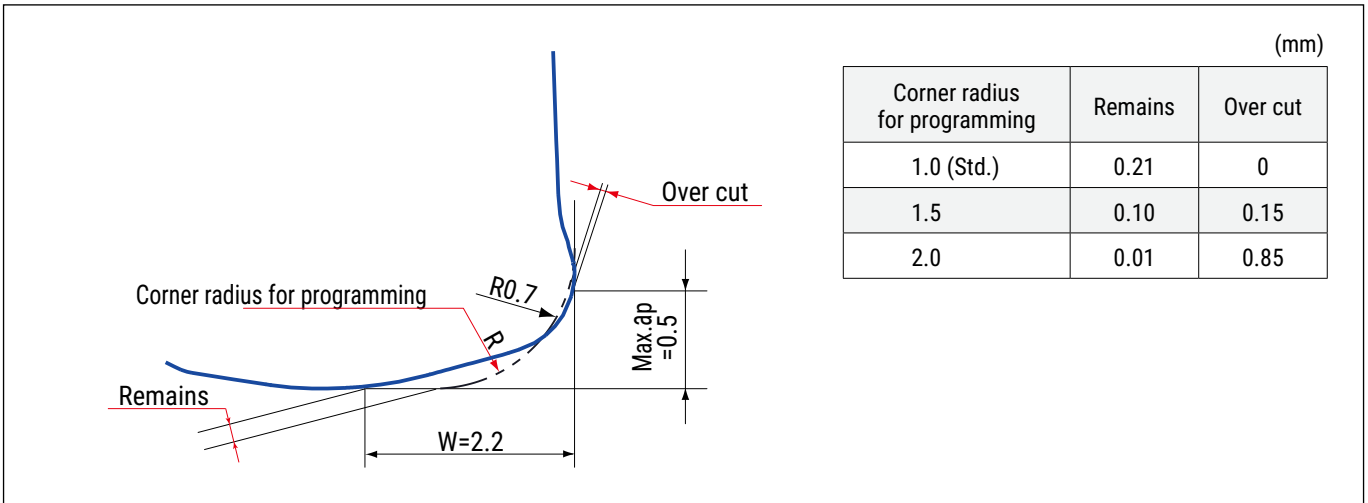


JC8118

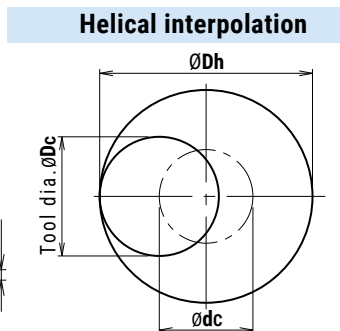
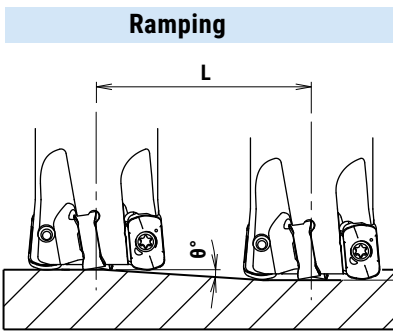


JC8050

Definition of corner shape for programming



Recommended Data for Profile Milling



- Calculation of tool pass dia.

$$\phi_{dc} = \phi_{Dh} - \phi_{Dc}$$

Tool pass dia. Bore dia. Tool dia.

- Depth of cut per one circuit should not exceed max. depth of cut ap
- Down cutting is recommended, tool pass rotation should be counterclockwise

- In case of ramping and helical interpolation, apply 70% or less feed (Vf) from standard cutting condition table
- Drilling is not recommended.

ENMU07T207ZER-PM

Tool dia. (mm)	Effective Cutting dia. (mm)	Max. depth of cut APMX (mm)	Ramping		Helical interpolation		
			Max.ramping angle RMPX θ°	Total cutting length at APMX : L(mm)	Through hole Min.bore dia. Dh (mm)	Blind hole,flat bottom Min.bore dia. Dh (mm)	Through hole Max.bore dia. Dh (mm)
10	5.5	0.5	1.1	26.0	15	16	19
12	7.5	0.5	1.2	23.9	19	20	23
13	8.4	0.5	1.1	26.0	21	22	25
16	11.4	0.5	0.9	31.8	27	28	31

■ Recommended Cutting Conditions | GMX07/MXG07 type

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	0.5-0.6 Dc
Tool & Die Steel below 255HB	ENMU07...-PM	JC8050	150	1.0	0.3	0.5-0.6 Dc
Mold Steel 30-36HRC	ENMU07...-PM	JC8050	150	1.0	0.3	0.5-0.6 Dc
Mold Steel 38-43HRC	ENMU07...-PM	JC8118	120	0.9	0.3	0.5-0.6 Dc
Hardened Die Steel 42-52HRC	ENMU07...-PM	JC8118	90	0.6	0.25	0.5-0.6 Dc
Grey Cast Iron	ENMU07...-PM	JC8118	200	1.0	0.3	0.5-0.6 Dc
Nodular Cast Iron	ENMU07...-PM	JC8118	200	1.0	0.3	0.5-0.6 Dc
Stainless Steel	ENMU07...-PM	JC8050	165	1.0	0.3	0.5-0.6 Dc

Note:

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



JQA-2089



JQA-EM1580



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