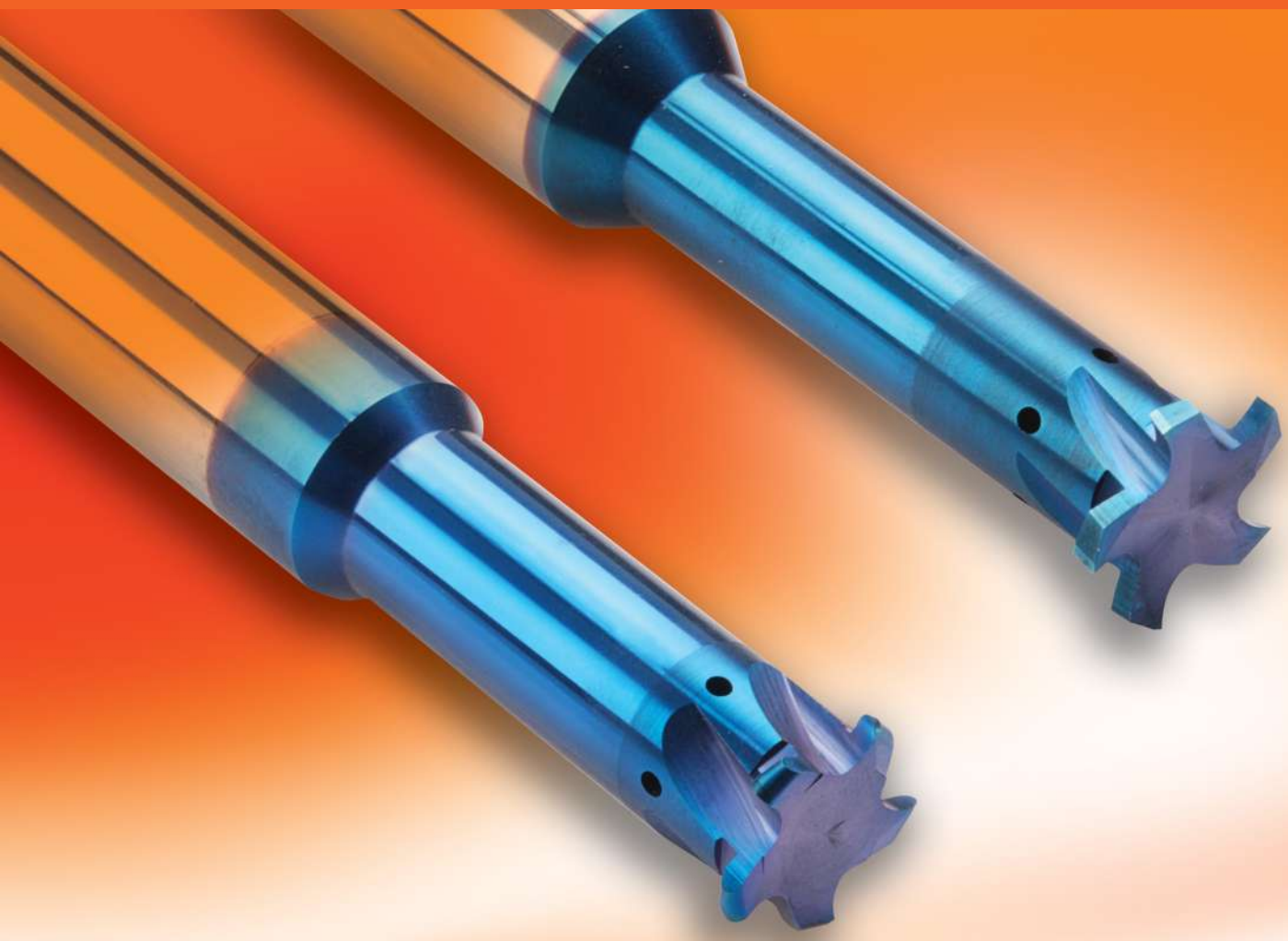
Solid Carbide Grooving Tools



For Grooving Deep Parts

Advantages

Carbide grade: MT8 Sub-micron grade with advanced PVD triple coating (ISO K10-K20). Extremely high heat resistant and smooth cutting operation, For high performance and normal machining conditions. General purpose for all materials.

- Enables machining in deep holes
- Coolant through the flutes is very effective for deep holes.
- Spiral flutes allow smooth cutting action.
- Longer tool life due to special multi-layer coating.
- Shorter machining time due to multi (3 to 5) flutes.

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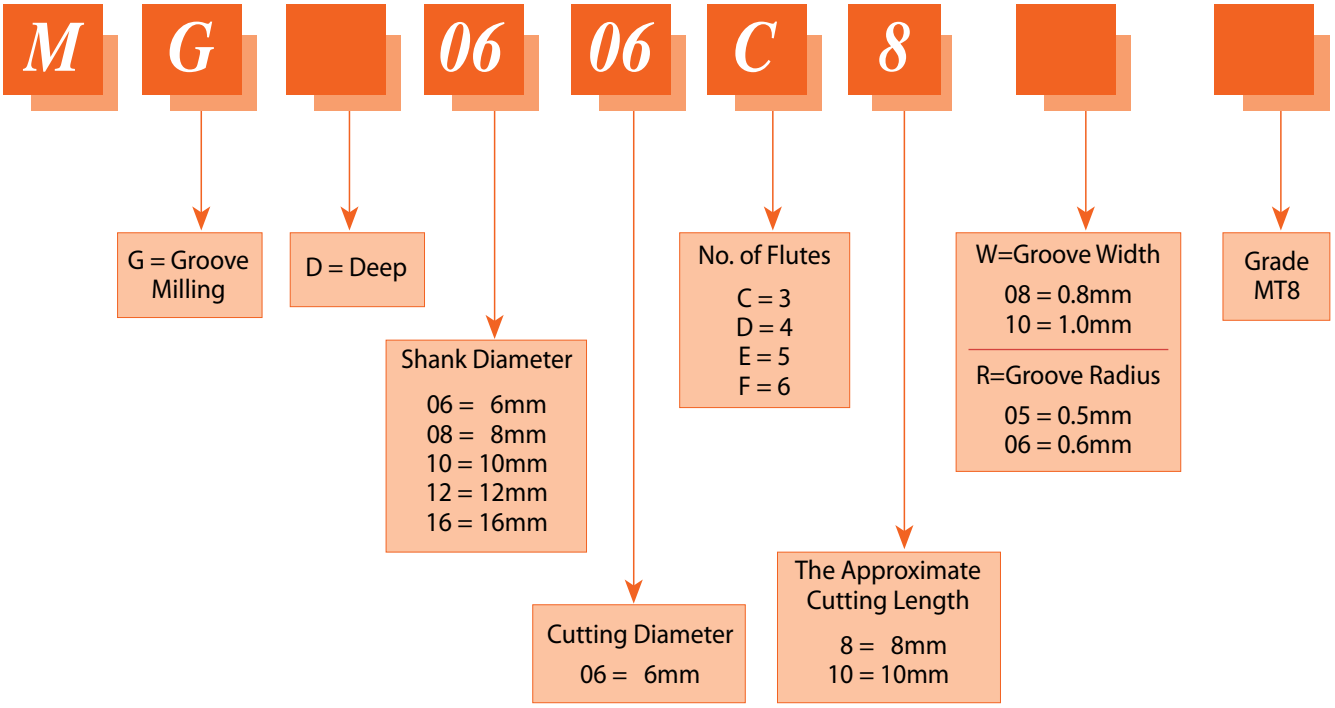
Product Identification

Groove Milling Ordering Codes

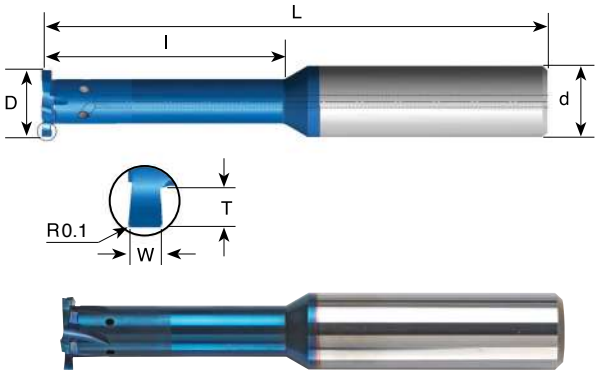


Groove Milling

with internal coolant through the flutes

Tool for Internal Grooving

Metric Shanks



For grooving deep parts

W ±.001	T Max.	Groove Dia. (min.) mm	Ordering Code	d mm	D	No. of Flutes	l	L
.020	.02	ø> 4	*MG0604C4 W05	6	.157	3	.17	2.0
.039	.02	ø> 4	*MG0604C4 W10	6	.157	3	.17	2.0
.031	.03	ø> 6	MG0606C8 W08	6	.236	3	.31	2.3
.039	.04	ø> 6	*MG0606C7 W10	6	.236	3	.28	2.3
.059	.04	ø> 6	*MG0606C7 W15	6	.236	3	.28	2.3
.039	.05	ø≥ 7.8	MG08078D10 W10	8	.307	4	.39	2.5
.059	.06	ø≥ 7.8	MG08078D15 W15	8	.307	4	.59	2.5
.079	.06	ø≥ 7.8	MG08078D15 W20	8	.307	4	.59	2.5
.047	.06	ø≥ 9.8	MG10098D20 W12	10	.386	4	.79	2.9
.059	.08	ø≥ 9.8	MG10098D20 W15	10	.386	4	.79	2.9
.079	.08	ø≥ 9.8	MG10098D20 W20	10	.386	4	.79	2.9
.059	.09	ø≥12	MG1212E30 W15	12	.472	5	1.18	3.3
.079	.09	ø≥12	MG1212E30 W20	12	.472	5	1.18	3.3
.118	.09	ø≥12	MG1212E30 W30	12	.472	5	1.18	3.3
.055	.07	ø≥16	MG1616E30 W14	16	.630	5	1.18	4.0
.067	.08	ø≥16	MG1616E40 W17	16	.630	5	1.57	4.0
.077	.09	ø≥16	MG1616E45 W19	16	.630	5	1.77	4.0

Order example: MG 10098D20 W12 MT8

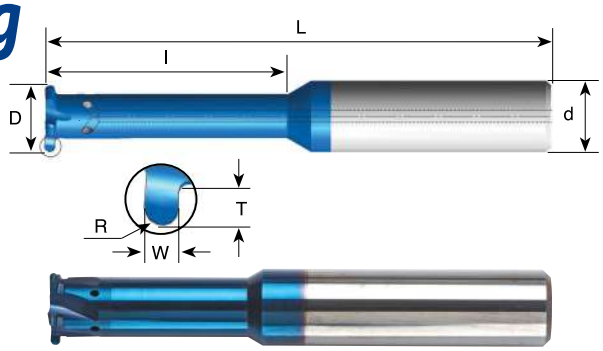
* Tools without coolant

Full Radius Groove Milling

with internal coolant through the flutes

Tool for Internal Grooving

Metric Shanks



For grooving deep parts

R	W ± .001	T Max.	Groove Dia. (min.) mm	Ordering Code	d mm	D	No. of Flutes	l	L
.020	.039	.02	ø> 4	*MG0604C4 R05	6	.157	3	.17	2.0
.020	.039	.03	ø> 6	MG0606C8 R05	6	.236	3	.31	2.3
.030	.059	.04	ø> 6	*MG0606C7 R075	6	.236	3	.28	2.3
.020	.039	.04	ø≥ 8.8	MG10088D16 R05	10	.346	4	.63	2.9
.024	.047	.04	ø≥10	MG1010D20 R06	10	.394	4	.79	2.9
.030	.059	.08	ø≥10	MG1010D20 R075	10	.394	4	.79	2.9
.020	.079	.08	ø≥10	MG1010D20 R10	10	.394	4	.79	2.9
.035	.071	.06	ø≥12	MG1212D30 R09	12	.472	4	1.18	3.3
.039	.079	.06	ø≥16	MG1616E40 R10	16	.630	5	1.57	4.0
.059	.118	.09	ø≥16	MG1616E40 R15	16	.630	5	1.57	4.0

Order example: MG 1010D20 R06 MT8

* Tools without coolant

Deep Groove Milling

with internal coolant bore

Metric Shanks

Ordering Code	W ±0.001	R	T (max.)	Groove Dia. (min.) mm	d mm	D	No. of Flutes	L
MGD 10195 F W15	.059	.004	.18	Ø>19.5	10	.768	6	5.0
MGD 10195 F W20	.079	.004	.18	Ø>19.5	10	.768	6	5.0
MGD 10195 F W30	.118	.004	.18	Ø>19.5	10	.768	6	5.0
MGD 10195 F W35	.138	.004	.18	Ø>19.5	10	.768	6	5.0
MGD 10195 F W40	.157	.004	.18	Ø>19.5	10	.768	6	5.0
MGD 10195 F W50	.197	.004	.18	Ø>19.5	10	.768	6	5.0