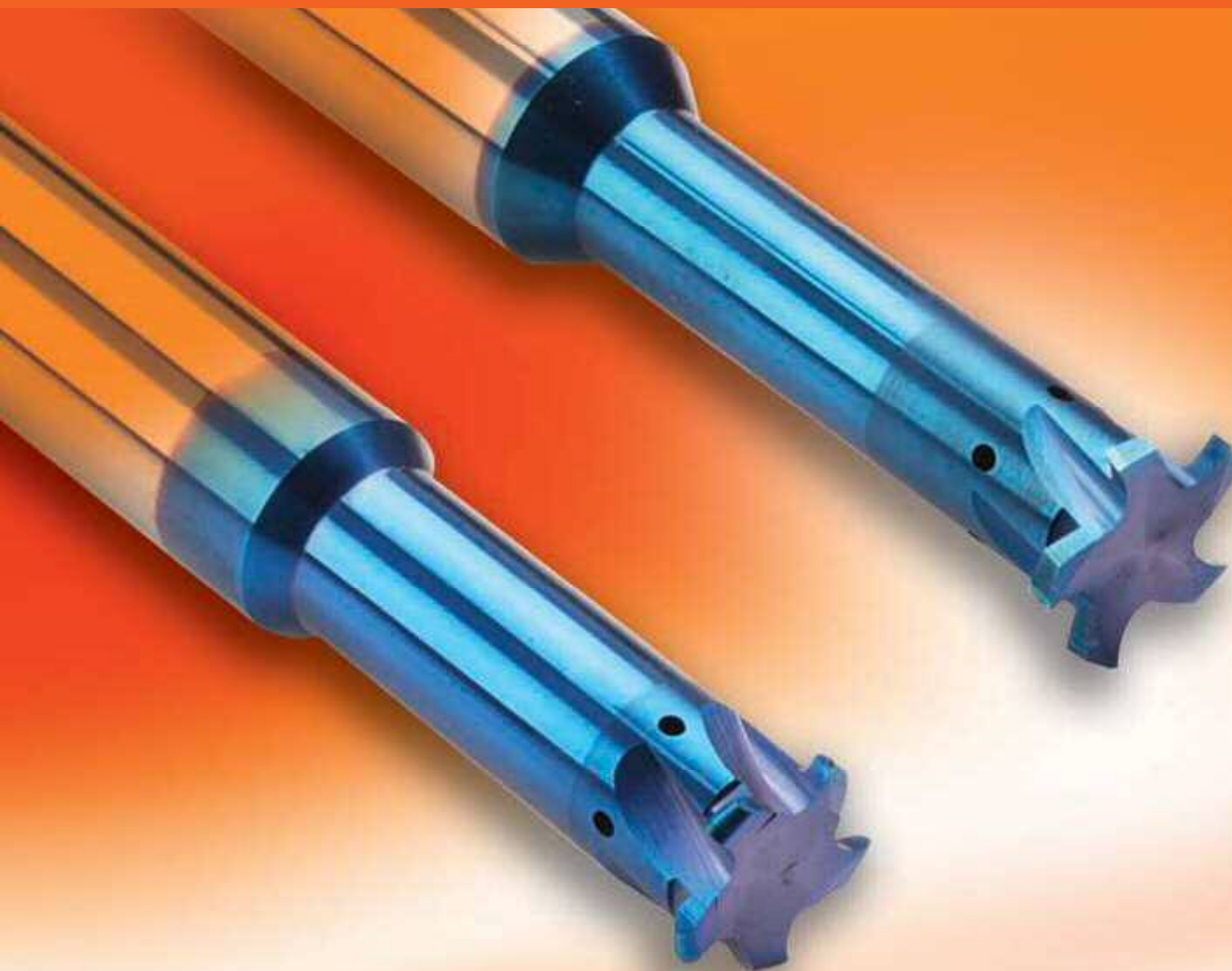


Solid Carbide Milling Tools



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.

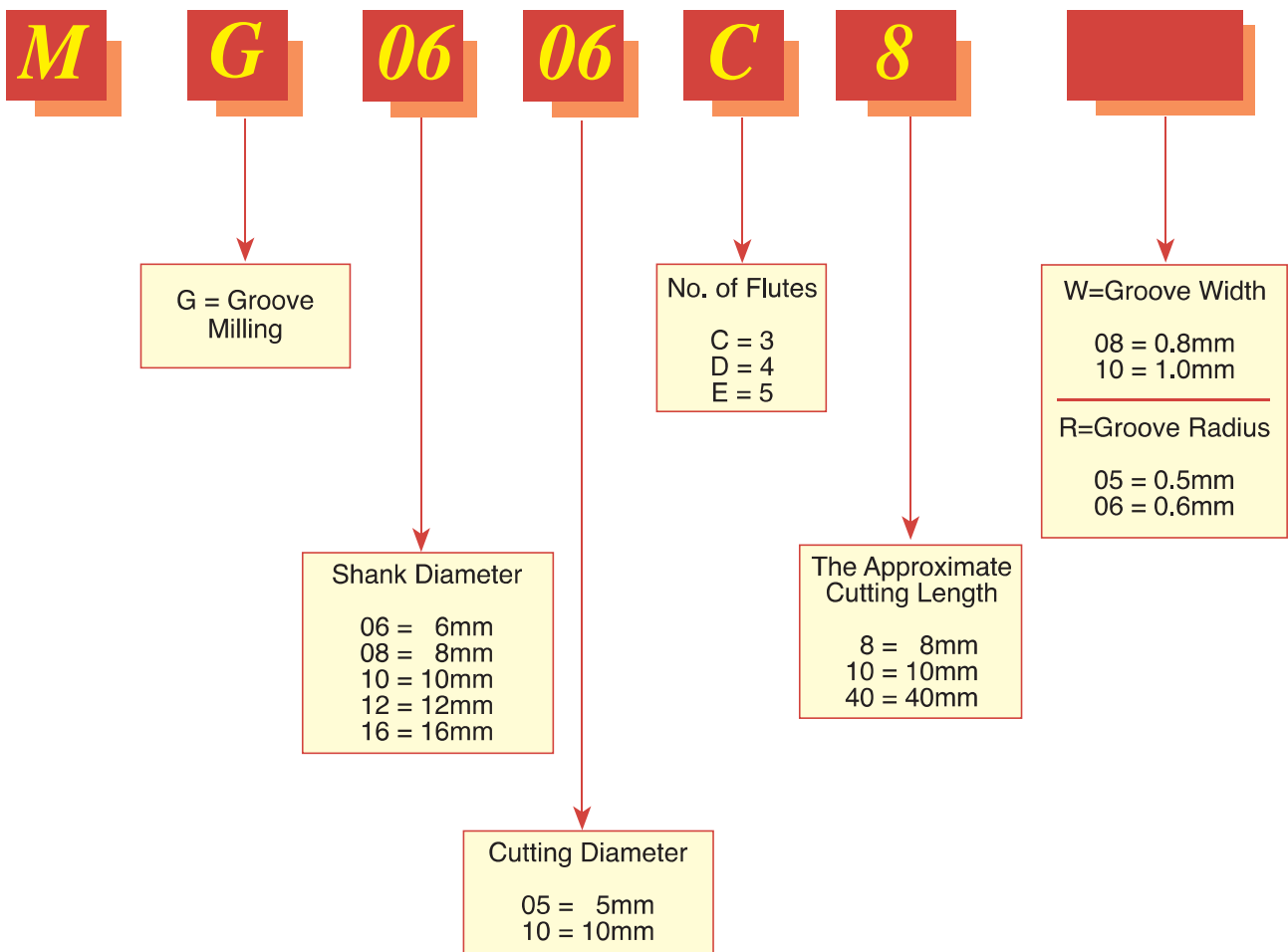
Contents:

Page:

Product Identification	158
Groove Milling with internal coolant through the flutes	159
Full Radius Groove Milling with internal coolant through the flutes	159

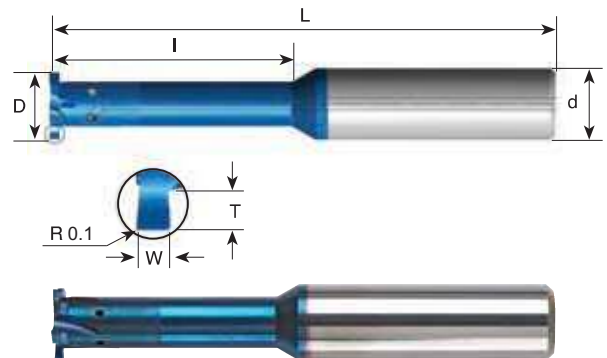
Product Identification

Groove Milling Ordering Codes



Groove Milling

with internal coolant through the flutes
Same Tool for Internal and External Grooving



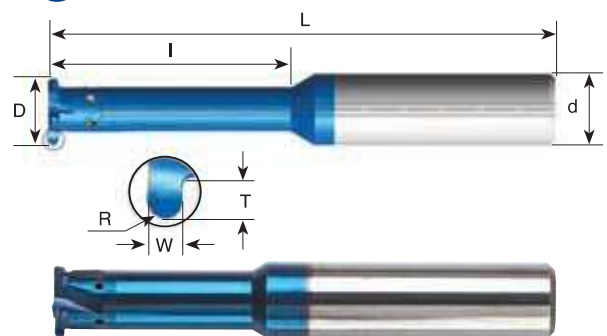
For grooving deep parts

W ± 0.02	T Max.	Groove Dia. (min.)	Ordering Code	d	D	No. of Flutes	I	L
0.80	0.8	$\phi > 6$	MG0606C8 W08	6	6.0	3	8	58
1.00	1.2	$\phi \geq 8$	MG08078D10 W10	8	7.8	4	10	64
1.20	1.4	$\phi \geq 10$	MG10098D20 W12	10	9.8	4	20	73
1.40	1.8	$\phi > 16$	MG1616E30 W14	16	16.0	5	30	101
1.70	2.0	$\phi > 16$	MG1616E40 W17	16	16.0	5	40	101
1.95	2.2	$\phi > 16$	MG1616E45 W19	16	16.0	5	45	101

Order example: MG 10098D20 W12 MT8

Full Radius Groove Milling

with internal coolant through the flutes
Same Tool for Internal and External Grooving



For grooving deep parts

R	W ± 0.02	T Max.	Groove Dia. (min.)	Ordering Code	d	D	No. of Flutes	I	L
0.5	1.00	0.8	$\phi > 6$	MG0606C8 R05	6	6.0	3	8	58
0.5	1.00	1.0	$\phi > 8.8$	MG10088D16 R05	10	8.8	4	16	73
0.6	1.20	1.0	$\phi > 10$	MG1010D20 R06	10	10.0	4	20	73
0.9	1.80	1.4	$\phi > 12$	MG1212D30 R09	12	12.0	4	30	84
1.0	2.00	1.6	$\phi > 16$	MG1616E40 R10	16	16.0	5	40	101
1.5	3.00	2.2	$\phi > 16$	MG1616E40 R15	16	16.0	5	40	101

Order example: MG 1010D20 R06 MT8