



MG

DIA
CoatingSD
0-0.005

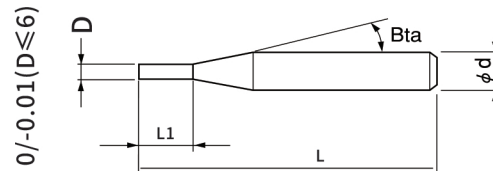
Highly recommend ★ ◎ ○
/Recommend/Suggest

DIE STEEL	Grade
Carbon steels (S45C/S55C)	
Alloy steels (SK/SCM/SUS)	
Prehardened steels (NAK/HPM)	
Hardened steels (~55/~60/~70HRC)	
SPECIAL MATERIAL	
Aluminum alloys	
Graphite	★
Copper	
Plastics	
Carbon fiber	
Titanium alloys	
Heat resistant alloys	
Cemented carbide	
Hard brittle (non-metallic) material	

Specialty

*2 Flute square end mills for milling graphite;

*New diamond coating offers excellent wear resistance.



The shank taper angle shown is not an exact value and to avoid contact with the workpiece, we recommend the user controls the precise value of this angle. Shank taper angle should not make contact with the workpiece.

2 Flutes

Total 8 models

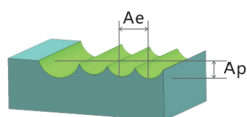
Unit (mm)

Model Number	D Outside Diameter	L1 Length of Cut	L2 Effective Length	Bta Shank Taper Angle	L Overall Length	T Number of Flutes	d Shank Diameter	In Stock
GRAS2-0020060	0.2	0.6	—	15°	50	2	4	○
GRAS2-0050150	0.5	1.5	—	15°	50	2	4	○
GRAS2-0100300	1	3	—	15°	50	2	4	○
GRAS2-0150450	1.5	4.5	—	15°	50	2	4	○
GRAS2-0200600	2	6	—	15°	50	2	4	○
GRAS2-0300900	3	9	—	15°	50	2	4	○
GRAS2-0401200	4	12	—	-	50	2	4	○
GRAS2-0601800	6	18	—	-	60	2	6	○

*New size added from this series.

*Stocked items.

Square



2 Flutes	Work Material		Graphite					
	(mm) Diameter	(mm) Overhang	(min-1) Speed	(mm/min) Feed	Side Milling		Slotting	
					Ap(mm)	Ae(mm)	Ap(mm)	Ae(mm)
	D0.2	4D	28000	800	1D	0.05D	0.05D	--
	D0.2	15D	28000	800	0.5D	0.05D	0.05D	--
	D0.2	25D	26000	800	0.5D	0.05D	0.05D	--
	D0.5	4D	28000	1000	1D	0.05D	0.1D	--
	D0.5	15D	26000	1000	0.5D	0.05D	0.1D	--
	D0.5	25D	24000	1000	0.5D	0.05D	0.1D	--
	D1	4D	24000	1200	1D	0.05D	0.3D	--
	D1	15D	24000	1200	0.4D	0.04D	0.2D	--
	D1	25D	20000	1200	0.2D	0.03D	0.15D	--
	D1.5	4D	22000	1500	1D	0.05D	0.3D	--
	D1.5	10D	22000	1500	0.5D	0.05D	0.2D	--
	D1.5	15D	18000	1500	0.5D	0.05D	0.15D	--
	D2	4D	20000	1800	1D	0.05D	0.3D	--
	D2	10D	20000	1800	0.5D	0.05D	0.2D	--
	D2	15D	16000	1200	0.2D	0.04D	0.2D	--
	D3	4D	20000	3000	1D	0.05D	0.3D	--
	D3	10D	20000	2400	0.5D	0.05D	0.2D	--
	D3	15D	18000	2000	0.3D	0.05D	0.2D	--
	D4	4D	18000	2200	1.5D	0.05D	0.3D	--
	D4	8D	15000	2000	0.7D	0.05D	0.2D	--
	D4	12D	12000	1600	0.4D	0.05D	0.2D	--
	D6	4D	13000	3000	2D	0.05D	0.3D	--
	D6	8D	13000	3000	1D	0.05D	0.2D	--
	D6	12D	8000	2000	0.6D	0.03D	0.2D	--

Notes:

*Use a milling machine dedicated for graphite;

*Recommend air blow for graphite.