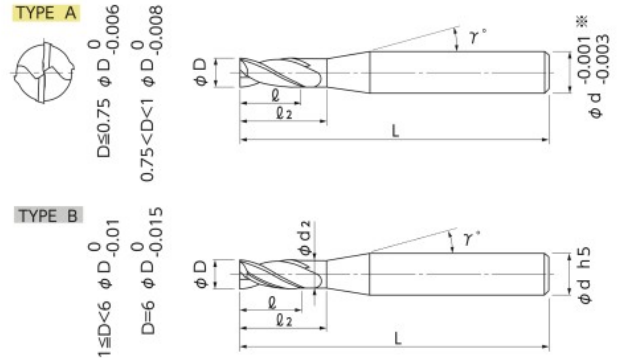
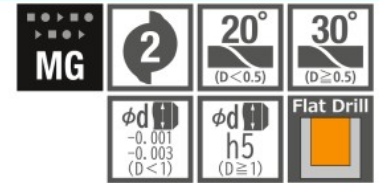


MUGEN COATING Flat Drill

Total 69 sizes

Stable drilling is realized in various scenes such as inclined surface and curved surface



- Small diameter drill with flat end profile, tool design developed and optimized for different sizes.
- Developed for the precise drilling field. Standardized every 0.05 sizes from $\phi 0.1 \sim \phi 0.95$, and every 0.1 for over $\phi 1$.
- Stable drilling is realized in various scenes such as inclined surface and curved surface!
- High efficient counter boring is available, also possible to reduce the back burr.

※ Shank tolerance is h4(JIS), NS TOOL produces within 0.002mm from -0.001mm ~ -0.003mm.

Unit : mm

Code No.	Dia. (D)	Flute Length (ℓ)	Under Neck Length (ℓ ₂)	Type	Neck Dia. (d ₂)	Neck Taper Angle (γ)	Shank Dia. (d)	Overall Length (L)
04-00230-00010	0.1	0.2	0.3	A	—	9°	4	45
04-00230-00015	0.15	0.3	0.45		—	9°	4	45
04-00230-00020	0.2	0.4	0.6		—	9°	4	45
04-00230-00025	0.25	0.5	0.75		—	9°	4	45
04-00230-00030	0.3	0.6	0.9		—	9°	4	45
04-00230-00035	0.35	0.7	1.05		—	9°	4	45
04-00230-00040	0.4	0.8	1.2		—	9°	4	45
04-00230-00045	0.45	0.9	1.35		—	9°	4	45
04-00230-00050	0.5	1	1.5		—	9°	4	45
04-00230-00055	0.55	1.1	1.65		—	9°	4	45
04-00230-00060	0.6	1.2	1.8		—	9°	4	45
04-00230-00065	0.65	1.3	1.95		—	9°	4	45
04-00230-00070	0.7	1.4	2.1		—	9°	4	45
04-00230-00075	0.75	1.5	2.25		—	9°	4	45
04-00230-00080	0.8	1.6	2.4		—	9°	4	45
04-00230-00085	0.85	1.7	2.55		—	9°	4	45
04-00230-00090	0.9	1.8	2.7		—	9°	4	45
04-00230-00095	0.95	1.9	2.85		—	9°	4	45
04-00230-00100	1	2	3	B	0.95	9°	4	55
04-00230-00110	1.1	2.2	3.3		1.05	9°	4	55

How to Order When you order, indicate MFD (D). ※(γ) is reference value.

Machining case S-035

