Size φ1～φ6

HTNRS

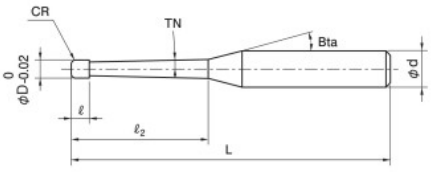
Super MG | HARD MAX | 45° | R | R ±0.01 | Shank Dia 0/-0.005 | Back Taper Geometry | Variable Pitch

Material Applications（★ Highly Recommended ● Recommended ○ Suggested）

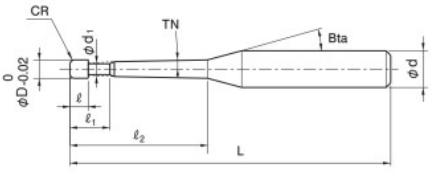
Work Material															
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels					Cast Iron	Aluminum Alloys	Graphite	Copper	Plastics	Glass Filled Plastics	Titanium Alloys	Heat Resistant Alloys	Cemented Carbide	Hard Brittle (Non-Metallic) Materials
S45C S55C	SK / SCM SUS	NAK HPM	~ 50HRC	~ 55HRC	~ 60HRC	~ 65HRC	~ 70HRC										
		●	●	●	●	○		○									

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

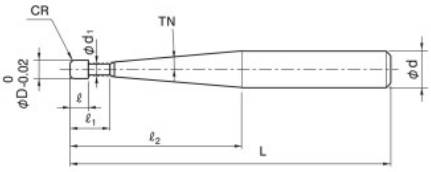
Shape A



Shape B



Shape C



Total 111 models

Unit（mm）

Model Number	Outside Diameter φD	Corner Radius CR	Neck Taper Angle TN	Neck Length ℓ2	Effective Length ℓ1	Length of Cut ℓ	Neck Diameter φd1	Shank Taper Angle Bta	Overall Length L	Shank Diameter φd
HTNRS 4010-020608	1	R0.2	0.4°	6	—	1	—	16°	50	4
HTNRS 4010-021008				10					50	4
HTNRS 4010-022008				20					60	4
HTNRS 4010-023008				30					70	4
HTNRS 4010-020618			0.9°	6					50	4
HTNRS 4010-021018				10					50	4
HTNRS 4010-021518				15					50	4
HTNRS 4010-022018				20					60	4
HTNRS 4010-022518				25					60	4
HTNRS 4010-023018				30					70	4
HTNRS 4010-023518				35					80	4
HTNRS 4010-024018				40					80	4
HTNRS 4010-025018				50					90	4
HTNRS 4010-020628			1.4°	6	1.8		0.94		50	4
HTNRS 4010-021028				10					50	4
HTNRS 4010-022028				20					60	4
HTNRS 4010-023028				30					70	4