



Size $\phi 2 \sim \phi 12$

HRRS

Super MG
HARD MAX
45°
R
 ± 0.01
 ± 0.015
Shank Dia 0/-0.005
Back Taper Geometry
Variable Pitch

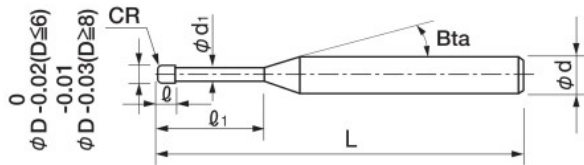
$\phi 2 \sim \phi 6$ $\phi 8 \sim \phi 12$

Material Applications (★ Highly Recommended ● Recommended ○ Suggested)

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

Features

Special corner radius geometry offers greater milling amount and larger step over than a ball design. Seamless corner radius reduces cutting resistance and chattering. Suitable for milling hard materials up to 65HRC.



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.

Total 49 models

Unit (mm)

Model Number	Outside Diameter ϕD	Corner Radius CR	Effective Length ℓ_1	Length of Cut ℓ	Neck Diameter ϕd_1	Shank Taper Angle Bta	Overall Length L	Shank Diameter ϕd	Suggested Retail Price ¥
HRRS 4020-03-06	2	RO.3	6	2	1.91	16°	70	4	10,500
HRRS 4020-05-06		RO.5					70	4	10,500
HRRS 4030-08-09-3	3	RO.8	9	3	2.92	—	70	3	9,800
HRRS 4030-08-09						16°	70	6	10,800
HRRS 4040-03-12-6	4	RO.3	12	4	3.82	16°	70	6	11,600
HRRS 4040-03-20-6			20				70	6	12,760
HRRS 4040-05-12		RO.5	—	12	4	3.82	70	4	10,000
HRRS 4040-05-12-6			16°				70	6	11,600
HRRS 4040-05-20-6			20	70	6	12,760			
HRRS 4040-10-12			—	70	4	10,000			
HRRS 4040-10-12-6		R1	12	4	3.82	16°	70	6	11,600
HRRS 4040-10-20-6			20				70	6	12,760

Next Page →