



Size $\phi 0.2 \sim \phi 6$

HLRS4000

Super MG
HARD MAX
30°
R
 ± 0.005
Shank Dia 0/-0.005
Back Taper Geometry
Variable Pitch

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										
○	○	●	●	●	●	○	○				○			○	○		

Total 381 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 ¥
HLRS 4002-002-003	0.2	R0.02	0.3	0.12	0.185	16°	50	4	14,100
HLRS 4002-002-005			0.5				50	4	14,100
HLRS 4002-002-010			1				50	4	14,100
HLRS 4002-002-015			1.5				50	4	16,590
HLRS 4002-002-020			2				50	4	18,150
HLRS 4002-005-003			R0.05				0.3	50	4
HLRS 4003-002-003	0.3	R0.02	0.3	0.18	0.28	16°	50	4	14,100
HLRS 4003-002-005			0.5				50	4	14,100
HLRS 4003-002-010			1				50	4	14,100
HLRS 4003-002-015			1.5				50	4	14,100
HLRS 4003-002-020			2				50	4	14,100
HLRS 4003-005-003			R0.05				0.3	50	4
HLRS 4003-005-005	0.5	50	4	14,100					
HLRS 4004-002-005	0.4	R0.02	0.5	0.24	0.385	16°	50	4	9,050
HLRS 4004-002-010			1				50	4	9,050
HLRS 4004-002-020			2				50	4	9,050
HLRS 4004-005-005		R0.05	0.5				50	4	9,050
HLRS 4004-005-010			1				50	4	9,050
HLRS 4004-005-015			1.5				50	4	9,050
HLRS 4004-005-020			2				50	4	9,050
HLRS 4004-01-010		R0.1	1				50	4	9,050
HLRS 4004-01-020			2				50	4	9,050

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