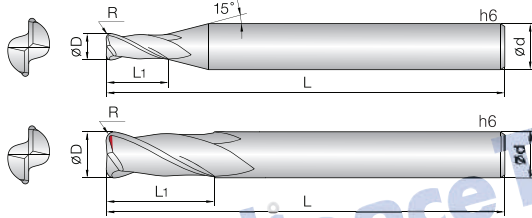


2 Flutes Hard Cut Standard Length Corner Radius End Mills For Hardened Steels



2HPR

- **Corner Radius Endmills for various work materials (HRC 52-68) Pre-hardened steels and Hardened steels.**
- Good wear resistance by high quality Si-based H coating.
- High-Precise edge tolerance.
- Designed for minimizing edge chipping by corner R shape.
- Good surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2µm) WC grade.



Unit(mm)

Model Number	Cutting Dia. D	Corner Radius R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2HPR 005 0002 445	0.5	R0.02	1	-	45	4
2HPR 005 0005 445	0.5	R0.05	1	-	45	4
2HPR 005 001 445	0.5	R0.1	1	-	45	4
2HPR 006 0002 445	0.6	R0.02	1.2	-	45	4
2HPR 006 0005 445	0.6	R0.05	1.2	-	45	4
2HPR 006 001 445	0.6	R0.1	1.2	-	45	4
2HPR 006 002 445	0.6	R0.2	1.2	-	45	4
2HPR 007 0005 445	0.7	R0.05	1.4	-	45	4
2HPR 007 001 445	0.7	R0.1	1.4	-	45	4
2HPR 007 002 445	0.7	R0.2	1.4	-	45	4
2HPR 008 0002 445	0.8	R0.02	1.6	-	45	4
2HPR 008 0005 445	0.8	R0.05	1.6	-	45	4
2HPR 008 001 445	0.8	R0.1	1.6	-	45	4
2HPR 008 002 445	0.8	R0.2	1.6	-	45	4
2HPR 009 0005 445	0.9	R0.05	1.8	-	45	4
2HPR 009 001 445	0.9	R0.1	1.8	-	45	4
2HPR 010 0002 445	1	R0.02	2.5	-	45	4
2HPR 010 0005 445	1	R0.05	2.5	-	45	4
2HPR 010 001 445	1	R0.1	2.5	-	45	4
2HPR 010 002 445	1	R0.2	2.5	-	45	4
2HPR 010 003 445	1	R0.3	2.5	-	45	4
2HPR 012 0002 445	1.2	R0.02	3.2	-	45	4
2HPR 012 0005 445	1.2	R0.05	3.2	-	45	4
2HPR 012 001 445	1.2	R0.1	3.2	-	45	4
2HPR 012 002 445	1.2	R0.2	3.2	-	45	4
2HPR 012 003 445	1.2	R0.3	3.2	-	45	4

2 Flutes Hard Cut Standard Length Corner Radius End Mills For Hardened Steels



Model Number	Cutting Dia. D	Corner Radius R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2HPR 015 0002 445	1.5	R0.02	4	-	45	4
2HPR 015 0005 445	1.5	R0.05	4	-	45	4
2HPR 015 001 445	1.5	R0.1	4	-	45	4
2HPR 015 002 445	1.5	R0.2	4	-	45	4
2HPR 015 003 445	1.5	R0.3	4	-	45	4
2HPR 015 005 445	1.5	R0.5	4	-	45	4
2HPR 020 0002 445	2	R0.02	6	-	45	4
2HPR 020 0005 445	2	R0.05	6	-	45	4
2HPR 020 001 445	2	R0.1	6	-	45	4
2HPR 020 002 445	2	R0.2	6	-	45	4
2HPR 020 003 445	2	R0.3	6	-	45	4
2HPR 020 005 445	2	R0.5	6	-	45	4
2HPR 025 001 450	2.5	R0.1	6	-	50	4
2HPR 025 002 450	2.5	R0.2	6	-	50	4
2HPR 025 003 450	2.5	R0.3	6	-	50	4
2HPR 025 005 450	2.5	R0.5	6	-	50	4
2HPR 030 001 660	3	R0.1	8	-	60	6
2HPR 030 002 660	3	R0.2	8	-	60	6
2HPR 030 003 660	3	R0.3	8	-	60	6
2HPR 030 005 660	3	R0.5	8	-	60	6
2HPR 030 010 660	3	R1	8	-	60	6
2HPR 040 001 460	4	R0.1	9	-	60	4
2HPR 040 001 660	4	R0.1	10	-	60	6
2HPR 040 002 460	4	R0.2	9	-	60	4
2HPR 040 002 660	4	R0.2	10	-	60	6
2HPR 040 003 460	4	R0.3	9	-	60	4
2HPR 040 003 660	4	R0.3	10	-	60	6
2HPR 040 005 460	4	R0.5	9	-	60	4
2HPR 040 005 660	4	R0.5	10	-	60	6
2HPR 040 010 460	4	R1	9	-	60	4
2HPR 040 010 660	4	R1	10	-	60	6
2HPR 050 001 675	5	R0.1	13	-	75	6
2HPR 050 002 675	5	R0.2	13	-	75	6
2HPR 050 003 675	5	R0.3	13	-	75	6
2HPR 050 005 675	5	R0.5	13	-	75	6
2HPR 050 010 675	5	R1	13	-	75	6
2HPR 060 001 060	6	R0.1	11	-	60	6
2HPR 060 001 6A0	6	R0.1	13	-	100	6

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS

2 Flutes Hard Cut Standard Length Corner Radius End Mills For Hardened Steels



Unit(mm)

Model Number	Cutting Dia. D	Corner Radius R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2HPR 060 002 060	6	R0.2	11	-	60	6
2HPR 060 002 6A0	6	R0.2	13	-	100	6
2HPR 060 003 060	6	R0.3	11	-	60	6
2HPR 060 003 6A0	6	R0.3	13	-	100	6
2HPR 060 005 060	6	R0.5	11	-	60	6
2HPR 060 005 6A0	6	R0.5	13	-	100	6
2HPR 060 005 6A0	6	R0.5	13	-	100	6
2HPR 060 010 060	6	R1	11	-	60	6
2HPR 060 010 6A0	6	R1	13	-	100	6
2HPR 060 010 6A0	6	R1	13	-	100	6
2HPR 060 015 060	6	R1.5	11	-	60	6
2HPR 060 015 6A0	6	R1.5	13	-	100	6
2HPR 060 020 060	6	R2	11	-	60	6
2HPR 060 020 6A0	6	R2	13	-	100	6
2HPR 060 025 6A0	6	R2.5	13	-	100	6
2HPR 080 001 875	8	R0.1	16	-	75	8
2HPR 080 001 8A0	8	R0.1	19	-	100	8
2HPR 080 002 875	8	R0.2	16	-	75	8
2HPR 080 002 8A0	8	R0.2	19	-	100	8
2HPR 080 003 875	8	R0.3	16	-	75	8
2HPR 080 003 8A0	8	R0.3	19	-	100	8
2HPR 080 005 875	8	R0.5	16	-	75	8
2HPR 080 005 8A0	8	R0.5	19	-	100	8
2HPR 080 005 8C0	8	R0.5	19	-	120	8
2HPR 080 010 875	8	R1	16	-	75	8
2HPR 080 010 8A0	8	R1	19	-	100	8
2HPR 080 010 8C0	8	R1	19	-	120	8
2HPR 080 015 875	8	R1.5	16	-	75	8
2HPR 080 015 8A0	8	R1.5	19	-	100	8
2HPR 080 020 875	8	R2	16	-	75	8
2HPR 080 020 8A0	8	R2	19	-	100	8
2HPR 080 025 8A0	8	R2.5	19	-	100	8
2HPR 080 030 8A0	8	R3	19	-	100	8
2HPR 080 035 8A0	8	R3.5	19	-	100	8
2HPR 100 001 A75	10	R0.1	19	-	75	10
2HPR 100 001 AA0	10	R0.1	22	-	100	10
2HPR 100 002 A75	10	R0.2	19	-	75	10
2HPR 100 002 AA0	10	R0.2	22	-	100	10

2 Flutes Hard Cut Standard Length Corner Radius End Mills For Hardened Steels



Unit(mm)

Model Number	Cutting Dia. D	Corner Radius R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2HPR 100 003 A75	10	R0.3	19	-	75	10
2HPR 100 003 AA0	10	R0.3	22	-	100	10
2HPR 100 005 A75	10	R0.5	19	-	75	10
2HPR 100 005 AA0	10	R0.5	22	-	100	10
2HPR 100 005 AC0	10	R0.5	22	-	120	10
2HPR 100 010 A75	10	R1	19	-	75	10
2HPR 100 010 AA0	10	R1	22	-	100	10
2HPR 100 010 AC0	10	R1	22	-	120	10
2HPR 100 015 A75	10	R1.5	19	-	75	10
2HPR 100 015 AA0	10	R1.5	22	-	100	10
2HPR 100 020 A75	10	R2	19	-	75	10
2HPR 100 020 AA0	10	R2	22	-	100	10
2HPR 100 025 AA0	10	R2.5	22	-	100	10
2HPR 100 030 AA0	10	R3	22	-	100	10
2HPR 100 040 AA0	10	R4	22	-	100	10
2HPR 120 001 C75	12	R0.1	22	-	75	12
2HPR 120 001 CA0	12	R0.1	26	-	100	12
2HPR 120 002 C75	12	R0.2	22	-	75	12
2HPR 120 002 CA0	12	R0.2	26	-	100	12
2HPR 120 003 C75	12	R0.3	22	-	75	12
2HPR 120 003 CA0	12	R0.3	26	-	100	12
2HPR 120 005 C75	12	R0.5	22	-	75	12
2HPR 120 005 CA0	12	R0.5	26	-	100	12
2HPR 120 005 CF0	12	R0.5	26	-	150	12
2HPR 120 010 C75	12	R1	22	-	75	12
2HPR 120 010 CA0	12	R1	26	-	100	12
2HPR 120 010 CF0	12	R1	26	-	150	12
2HPR 120 015 C75	12	R1.5	22	-	75	12
2HPR 120 015 CA0	12	R1.5	26	-	100	12
2HPR 120 020 C75	12	R2	22	-	75	12
2HPR 120 020 CA0	12	R2	26	-	100	12
2HPR 120 020 CF0	12	R2	26	-	150	12
2HPR 120 025 CA0	12	R2.5	26	-	100	12
2HPR 120 030 CA0	12	R3	26	-	100	12
2HPR 120 040 CA0	12	R4	26	-	100	12
2HPR 120 050 CA0	12	R5	26	-	100	12
2HPR 140 005 EA0	14	R0.5	30	-	100	14
2HPR 140 010 EA0	14	R1	30	-	100	14

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS

2 Flutes Hard Cut Standard Length Corner Radius End Mills For Hardened Steels



Unit(mm)

Model Number	Cutting Dia. D	Corner Radius R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2HPR 140 020 EA0	14	R2	30	-	100	14
2HPR 160 005 GA0	16	R0.5	30	-	100	16
2HPR 160 010 GA0	16	R1	30	-	100	16
2HPR 160 020 GA0	16	R2	30	-	100	16

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS