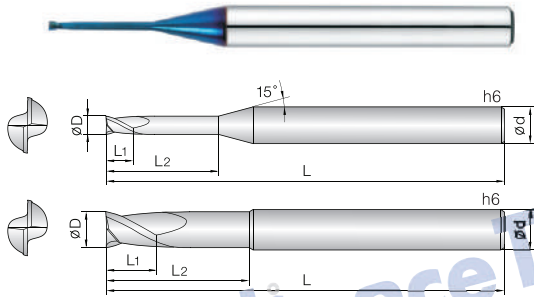


2 Flutes Hard Cut Rib End Mills For Hardened Steels



2HRE

- 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.
- Reinforced edge design for preventing edge chipping.
- Good surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2µm) WC grade.



Unit(mm)

Model Number	Cutting Dia. D	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2HRE 005 010 445	0.5	0.5	1	45	4
2HRE 005 020 445	0.5	0.5	2	45	4
2HRE 005 030 445	0.5	0.5	3	45	4
2HRE 005 040 445	0.5	0.5	4	45	4
2HRE 005 050 445	0.5	0.5	5	45	4
2HRE 005 060 445	0.5	0.5	6	45	4
2HRE 005 080 445	0.5	0.5	8	45	4
2HRE 005 100 445	0.5	0.5	10	45	4
2HRE 005 120 445	0.5	0.5	12	45	4
2HRE 005 140 445	0.5	0.5	14	45	4
2HRE 005 160 445	0.5	0.5	16	45	4
2HRE 006 010 445	0.6	0.6	1	45	4
2HRE 006 020 445	0.6	0.6	2	45	4
2HRE 006 030 445	0.6	0.6	3	45	4
2HRE 006 040 445	0.6	0.6	4	45	4
2HRE 006 050 445	0.6	0.6	5	45	4
2HRE 006 060 445	0.6	0.6	6	45	4
2HRE 006 080 445	0.6	0.6	8	45	4
2HRE 006 100 445	0.6	0.6	10	45	4
2HRE 006 120 445	0.6	0.6	12	45	4
2HRE 006 140 445	0.6	0.6	14	45	4
2HRE 006 160 445	0.6	0.6	16	45	4
2HRE 006 180 450	0.6	0.6	18	50	4
2HRE 007 020 445	0.7	0.7	2	45	4
2HRE 007 040 445	0.7	0.7	4	45	4
2HRE 007 060 445	0.7	0.7	6	45	4

2 Flutes Hard Cut Rib End Mills For Hardened Steels



Unit(mm)

Model Number	Cutting Dia. D	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2HRE 007 080 445	0.7	0.7	8	45	4
2HRE 007 100 445	0.7	0.7	10	45	4
2HRE 007 120 445	0.7	0.7	12	45	4
2HRE 007 140 445	0.7	0.7	14	45	4
2HRE 007 160 445	0.7	0.7	16	45	4
2HRE 008 010 445	0.8	0.8	1	45	4
2HRE 008 020 445	0.8	0.8	2	45	4
2HRE 008 030 445	0.8	0.8	3	45	4
2HRE 008 040 445	0.8	0.8	4	45	4
2HRE 008 050 445	0.8	0.8	5	45	4
2HRE 008 060 445	0.8	0.8	6	45	4
2HRE 008 080 445	0.8	0.8	8	45	4
2HRE 008 100 445	0.8	0.8	10	45	4
2HRE 008 120 445	0.8	0.8	12	45	4
2HRE 008 140 445	0.8	0.8	14	45	4
2HRE 008 160 445	0.8	0.8	16	45	4
2HRE 008 180 450	0.8	0.8	18	50	4
2HRE 008 200 450	0.8	0.8	20	50	4
2HRE 009 040 445	0.9	0.9	4	45	4
2HRE 009 060 445	0.9	0.9	6	45	4
2HRE 009 080 445	0.9	0.9	8	45	4
2HRE 009 100 445	0.9	0.9	10	45	4
2HRE 010 020 445	1	1	2	45	4
2HRE 010 030 445	1	1	3	45	4
2HRE 010 040 445	1	1	4	45	4
2HRE 010 050 445	1	1	5	45	4
2HRE 010 060 445	1	1	6	45	4
2HRE 010 080 445	1	1	8	45	4
2HRE 010 100 445	1	1	10	45	4
2HRE 010 120 450	1	1	12	50	4
2HRE 010 140 450	1	1	14	50	4
2HRE 010 160 450	1	1	16	50	4
2HRE 010 180 450	1	1	18	50	4
2HRE 010 200 450	1	1	20	50	4
2HRE 010 220 460	1	1	22	60	4
2HRE 010 250 460	1	1	25	60	4
2HRE 010 300 475	1	1	30	75	4

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS

2 Flutes Hard Cut Rib End Mills For Hardened Steels



Unit(mm)

Model Number	Cutting Dia. D	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2HRE 012 040 445	1.2	1.2	4	45	4
2HRE 012 060 445	1.2	1.2	6	45	4
2HRE 012 080 445	1.2	1.2	8	45	4
2HRE 012 100 445	1.2	1.2	10	45	4
2HRE 012 120 450	1.2	1.2	12	50	4
2HRE 012 160 450	1.2	1.2	16	50	4
2HRE 012 200 450	1.2	1.2	20	50	4
2HRE 012 250 460	1.2	1.2	25	60	4
2HRE 014 080 445	1.4	1.4	8	45	4
2HRE 014 100 445	1.4	1.4	10	45	4
2HRE 014 140 450	1.4	1.4	14	50	4
2HRE 014 160 450	1.4	1.4	16	50	4
2HRE 014 200 450	1.4	1.4	20	50	4
2HRE 014 220 460	1.4	1.4	22	60	4
2HRE 015 040 445	1.5	1.5	4	45	4
2HRE 015 060 445	1.5	1.5	6	45	4
2HRE 015 080 445	1.5	1.5	8	45	4
2HRE 015 100 450	1.5	1.5	10	50	4
2HRE 015 120 450	1.5	1.5	12	50	4
2HRE 015 140 450	1.5	1.5	14	50	4
2HRE 015 160 450	1.5	1.5	16	50	4
2HRE 015 180 450	1.5	1.5	18	50	4
2HRE 015 200 450	1.5	1.5	20	50	4
2HRE 015 220 460	1.5	1.5	22	60	4
2HRE 015 250 460	1.5	1.5	25	60	4
2HRE 015 350 475	1.5	1.5	35	75	4
2HRE 015 400 475	1.5	1.5	40	75	4
2HRE 016 060 445	1.6	1.6	6	45	4
2HRE 016 100 450	1.6	1.6	10	50	4
2HRE 016 140 450	1.6	1.6	14	50	4
2HRE 016 180 450	1.6	1.6	18	50	4
2HRE 016 200 450	1.6	1.6	20	50	4
2HRE 018 100 450	1.8	1.8	10	50	4
2HRE 018 120 450	1.8	1.8	12	50	4
2HRE 018 140 450	1.8	1.8	14	50	4
2HRE 018 160 450	1.8	1.8	16	50	4
2HRE 018 180 450	1.8	1.8	18	50	4

2 Flutes Hard Cut Rib End Mills For Hardened Steels



Unit(mm)

Model Number	Cutting Dia. D	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2HRE 018 200 450	1.8	1.8	20	50	4
2HRE 018 250 460	1.8	1.8	25	60	4
2HRE 020 060 445	2	2	6	45	4
2HRE 020 080 445	2	2	8	45	4
2HRE 020 100 450	2	2	10	50	4
2HRE 020 120 450	2	2	12	50	4
2HRE 020 140 450	2	2	14	50	4
2HRE 020 160 450	2	2	16	50	4
2HRE 020 180 450	2	2	18	50	4
2HRE 020 200 450	2	2	20	50	4
2HRE 020 220 460	2	2	22	60	4
2HRE 020 250 460	2	2	25	60	4
2HRE 020 300 460	2	2	30	60	4
2HRE 020 350 475	2	2	35	75	4
2HRE 020 400 475	2	2	40	75	4
2HRE 020 450 4A0	2	2	45	100	4
2HRE 020 500 4A0	2	2	50	100	4
2HRE 025 100 450	2.5	2.5	10	50	4
2HRE 025 120 450	2.5	2.5	12	50	4
2HRE 025 160 450	2.5	2.5	16	50	4
2HRE 025 200 450	2.5	2.5	20	50	4
2HRE 025 250 460	2.5	2.5	25	60	4
2HRE 025 300 475	2.5	2.5	30	75	4
2HRE 025 350 475	2.5	2.5	35	75	4
2HRE 025 400 475	2.5	2.5	40	75	4
2HRE 025 450 4A0	2.5	2.5	45	100	4
2HRE 025 500 4A0	2.5	2.5	50	100	4
2HRE 030 060 650	3	3	6	50	6
2HRE 030 080 650	3	3	8	50	6
2HRE 030 100 650	3	3	10	50	6
2HRE 030 120 650	3	3	12	50	6
2HRE 030 160 650	3	3	16	50	6
2HRE 030 200 660	3	3	20	60	6
2HRE 030 250 660	3	3	25	60	6
2HRE 030 300 675	3	3	30	75	6
2HRE 030 350 675	3	3	35	75	6
2HRE 030 400 675	3	3	40	75	6

ECO-CUT

WIDE-CUT

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MAGIC DRILLS

2 Flutes Hard Cut Rib End Mills For Hardened Steels



Unit(mm)

Model Number	Cutting Dia. D	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2HRE 030 450 6A0	3	3	45	100	6
2HRE 030 500 6A0	3	3	50	100	6
2HRE 030 600 6A0	3	3	60	100	6
2HRE 035 120 650	3.5	3.5	12	50	6
2HRE 035 160 650	3.5	3.5	16	50	6
2HRE 035 200 660	3.5	3.5	20	60	6
2HRE 035 250 660	3.5	3.5	25	60	6
2HRE 035 300 675	3.5	3.5	30	75	6
2HRE 035 350 675	3.5	3.5	35	75	6
2HRE 035 400 675	3.5	3.5	40	75	6
2HRE 040 080 650	4	4	8	50	6
2HRE 040 100 650	4	4	10	50	6
2HRE 040 120 650	4	4	12	50	6
2HRE 040 160 650	4	4	16	50	6
2HRE 040 200 660	4	4	20	60	6
2HRE 040 250 660	4	4	25	60	6
2HRE 040 300 675	4	4	30	75	6
2HRE 040 350 675	4	4	35	75	6
2HRE 040 400 675	4	4	40	75	6
2HRE 040 450 6A0	4	4	45	100	6
2HRE 040 500 6A0	4	4	50	100	6
2HRE 040 600 6A0	4	4	60	100	6
2HRE 045 120 650	4.5	4.5	12	50	6
2HRE 045 160 650	4.5	4.5	16	50	6
2HRE 045 200 660	4.5	4.5	20	60	6
2HRE 045 250 660	4.5	4.5	25	60	6
2HRE 045 300 675	4.5	4.5	30	75	6
2HRE 045 400 675	4.5	4.5	40	75	6
2HRE 050 160 660	5	6	16	60	6
2HRE 050 200 660	5	6	20	60	6
2HRE 050 250 660	5	6	25	60	6
2HRE 050 300 675	5	6	30	75	6
2HRE 050 350 675	5	6	35	75	6
2HRE 050 400 675	5	6	40	75	6
2HRE 050 500 6A0	5	6	50	100	6
2HRE 050 600 6A0	5	6	60	100	6
2HRE 060 200 660	6	10	20	60	6

2 Flutes Hard Cut Rib End Mills For Hardened Steels



Unit(mm)

Model Number	Cutting Dia. D	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2HRE 060 300 675	6	10	30	75	6
2HRE 060 400 675	6	10	40	75	6
2HRE 060 500 6A0	6	10	50	100	6
2HRE 060 600 6A0	6	10	60	100	6
2HRE 080 300 875	8	12	30	75	8
2HRE 080 500 8A0	8	12	50	100	8
2HRE 100 400 AA0	10	15	40	100	10
2HRE 100 600 AA0	10	15	60	100	10
2HRE 120 500 CA0	12	18	50	100	12
2HRE 120 700 CC0	12	18	70	120	12

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS