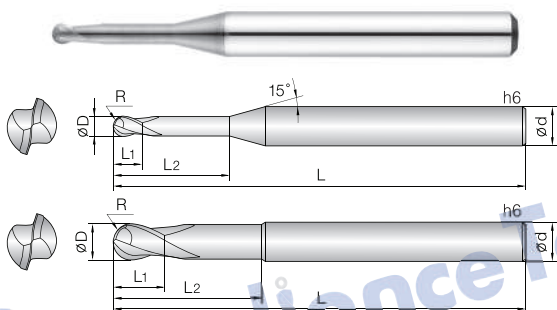


2 Flutes Eco Cut Rib Ball End Mills For Multi Purpose



2ERB

- Ball Endmills for various work materials (HRC~50) Carbon steels, Mould steels, Pre-hardened steels
- Optimum for various work materials by E coating.
- High-Precise edge tolerance.
- Good surface finish.
- Short overall length for easy use with shrinking chuck.
- Minimize fracturing by high TRS fine(0.5µm) WC grade.

Unit(mm)

Model Number	Cutting Dia. D	Radius Of BN R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2ERB 005 010 445	0.5	0.25R	0.6	1	45	4
2ERB 005 020 445	0.5	0.25R	0.6	2	45	4
2ERB 005 030 445	0.5	0.25R	0.6	3	45	4
2ERB 005 040 445	0.5	0.25R	0.6	4	45	4
2ERB 005 050 445	0.5	0.25R	0.6	5	45	4
2ERB 005 060 445	0.5	0.25R	0.6	6	45	4
2ERB 005 080 445	0.5	0.25R	0.6	8	45	4
2ERB 005 100 445	0.5	0.25R	0.6	10	45	4
2ERB 005 120 445	0.5	0.25R	0.6	12	45	4
2ERB 005 140 445	0.5	0.25R	0.6	14	45	4
2ERB 006 010 445	0.6	0.3R	0.7	1	45	4
2ERB 006 020 445	0.6	0.3R	0.7	2	45	4
2ERB 006 030 445	0.6	0.3R	0.7	3	45	4
2ERB 006 040 445	0.6	0.3R	0.7	4	45	4
2ERB 006 050 445	0.6	0.3R	0.7	5	45	4
2ERB 006 060 445	0.6	0.3R	0.7	6	45	4
2ERB 006 080 445	0.6	0.3R	0.7	8	45	4
2ERB 006 100 445	0.6	0.3R	0.7	10	45	4
2ERB 006 120 445	0.6	0.3R	0.7	12	45	4
2ERB 006 140 445	0.6	0.3R	0.7	14	45	4
2ERB 006 160 445	0.6	0.3R	0.7	16	45	4
2ERB 007 020 445	0.7	0.35R	0.8	2	45	4
2ERB 007 040 445	0.7	0.35R	0.8	4	45	4
2ERB 007 080 445	0.7	0.35R	0.8	8	45	4
2ERB 007 100 445	0.7	0.35R	0.8	10	45	4
2ERB 007 120 445	0.7	0.35R	0.8	12	45	4

2 Flutes Eco Cut Rib Ball End Mills For Multi Purpose



Unit(mm)

Model Number	Cutting Dia. D	Radius Of BN R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2ERB 008 020 445	0.8	0.4R	0.9	2	45	4
2ERB 008 040 445	0.8	0.4R	0.9	4	45	4
2ERB 008 060 445	0.8	0.4R	0.9	6	45	4
2ERB 008 080 445	0.8	0.4R	0.9	8	45	4
2ERB 008 100 445	0.8	0.4R	0.9	10	45	4
2ERB 008 120 445	0.8	0.4R	0.9	12	45	4
2ERB 008 140 445	0.8	0.4R	0.9	14	45	4
2ERB 008 160 445	0.8	0.4R	0.9	16	45	4
2ERB 009 040 445	0.9	0.45R	1.0	4	45	4
2ERB 010 020 445	1	0.5R	1.2	2	45	4
2ERB 010 020 645	1	0.5R	1.2	2	45	6
2ERB 010 030 445	1	0.5R	1.2	3	45	4
2ERB 010 030 645	1	0.5R	1.2	3	45	6
2ERB 010 040 445	1	0.5R	1.2	4	45	4
2ERB 010 040 645	1	0.5R	1.2	4	45	6
2ERB 010 050 445	1	0.5R	1.2	5	45	4
2ERB 010 050 645	1	0.5R	1.2	5	45	6
2ERB 010 060 445	1	0.5R	1.2	6	45	4
2ERB 010 060 645	1	0.5R	1.2	6	45	6
2ERB 010 080 445	1	0.5R	1.2	8	45	4
2ERB 010 080 645	1	0.5R	1.2	8	45	6
2ERB 010 100 450	1	0.5R	1.2	10	50	4
2ERB 010 100 650	1	0.5R	1.2	10	50	6
2ERB 010 120 450	1	0.5R	1.2	12	50	4
2ERB 010 120 650	1	0.5R	1.2	12	50	6
2ERB 010 140 450	1	0.5R	1.2	14	50	4
2ERB 010 140 650	1	0.5R	1.2	14	50	6
2ERB 010 160 450	1	0.5R	1.2	16	50	4
2ERB 010 160 660	1	0.5R	1.2	16	60	6
2ERB 010 180 450	1	0.5R	1.2	18	50	4
2ERB 010 180 660	1	0.5R	1.2	18	60	6
2ERB 010 200 450	1	0.5R	1.2	20	50	4
2ERB 010 200 660	1	0.5R	1.2	20	60	6
2ERB 010 220 460	1	0.5R	1.2	22	60	4
2ERB 010 220 660	1	0.5R	1.2	22	60	6
2ERB 010 250 460	1	0.5R	1.2	25	60	4
2ERB 012 040 445	1.2	0.6R	1.4	4	45	4

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS

2 Flutes Eco Cut Rib Ball End Mills For Multi Purpose



Unit(mm)

	Model Number	Cutting Dia. D	Radius Of BN R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
ECO-CUT	2ERB 012 040 645	1.2	0.6R	1.4	4	45	6
	2ERB 012 060 445	1.2	0.6R	1.4	6	45	4
WIDE-CUT	2ERB 012 060 645	1.2	0.6R	1.4	6	45	6
	2ERB 012 080 445	1.2	0.6R	1.4	8	45	4
HARD-CUT	2ERB 012 080 645	1.2	0.6R	1.4	8	45	6
	2ERB 012 100 450	1.2	0.6R	1.4	10	50	4
ALU-CUT	2ERB 012 100 650	1.2	0.6R	1.4	10	50	6
	2ERB 012 120 450	1.2	0.6R	1.4	12	50	4
D-CUT	2ERB 012 120 650	1.2	0.6R	1.4	12	50	6
	2ERB 012 160 450	1.2	0.6R	1.4	16	50	4
SUS CUT	2ERB 012 160 660	1.2	0.6R	1.4	16	60	6
	2ERB 012 200 450	1.2	0.6R	1.4	20	50	4
MAGIC DRILLS	2ERB 012 200 660	1.2	0.6R	1.4	20	60	6
	2ERB 012 240 460	1.2	0.6R	1.4	24	60	4
	2ERB 012 240 660	1.2	0.6R	1.4	24	60	6
	2ERB 014 060 445	1.4	0.7R	1.6	6	45	4
	2ERB 014 080 445	1.4	0.7R	1.6	8	45	4
	2ERB 014 120 450	1.4	0.7R	1.6	12	50	4
	2ERB 014 160 450	1.4	0.7R	1.6	16	50	4
	2ERB 015 030 445	1.5	0.75R	1.8	3	45	4
	2ERB 015 030 645	1.5	0.75R	1.8	3	45	6
	2ERB 015 040 445	1.5	0.75R	1.8	4	45	4
	2ERB 015 040 645	1.5	0.75R	1.8	4	45	6
	2ERB 015 060 445	1.5	0.75R	1.8	6	45	4
	2ERB 015 060 645	1.5	0.75R	1.8	6	45	6
	2ERB 015 080 445	1.5	0.75R	1.8	8	45	4
	2ERB 015 080 645	1.5	0.75R	1.8	8	45	6
	2ERB 015 100 450	1.5	0.75R	1.8	10	50	4
	2ERB 015 100 650	1.5	0.75R	1.8	10	50	6
	2ERB 015 120 450	1.5	0.75R	1.8	12	50	4
	2ERB 015 120 650	1.5	0.75R	1.8	12	50	6
	2ERB 015 140 450	1.5	0.75R	1.8	14	50	4
	2ERB 015 140 650	1.5	0.75R	1.8	14	50	6
	2ERB 015 160 450	1.5	0.75R	1.8	16	50	4
	2ERB 015 160 660	1.5	0.75R	1.8	16	60	6
	2ERB 015 180 450	1.5	0.75R	1.8	18	50	4
	2ERB 015 180 660	1.5	0.75R	1.8	18	60	6

2 Flutes Eco Cut Rib Ball End Mills For Multi Purpose



Unit(mm)

Model Number	Cutting Dia. D	Radius Of BN R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2ERB 015 200 450	1.5	0.75R	1.8	20	50	4
2ERB 015 200 660	1.5	0.75R	1.8	20	60	6
2ERB 015 220 460	1.5	0.75R	1.8	22	60	4
2ERB 015 220 660	1.5	0.75R	1.8	22	60	6
2ERB 015 250 460	1.5	0.75R	1.8	25	60	4
2ERB 015 250 660	1.5	0.75R	1.8	25	60	6
2ERB 015 300 475	1.5	0.75R	1.8	30	75	4
2ERB 015 300 675	1.5	0.75R	1.8	30	75	6
2ERB 015 350 475	1.5	0.75R	1.8	35	75	4
2ERB 016 060 445	1.6	0.8R	1.9	6	45	4
2ERB 016 080 445	1.6	0.8R	1.9	8	45	4
2ERB 016 120 450	1.6	0.8R	1.9	12	50	4
2ERB 016 160 450	1.6	0.8R	1.9	16	50	4
2ERB 016 200 450	1.6	0.8R	1.9	20	50	4
2ERB 018 060 445	1.8	0.9R	2.1	6	45	4
2ERB 018 080 445	1.8	0.9R	2.1	8	45	4
2ERB 018 120 450	1.8	0.9R	2.1	12	50	4
2ERB 018 160 450	1.8	0.9R	2.1	16	50	4
2ERB 018 200 450	1.8	0.9R	2.1	20	50	4
2ERB 020 040 445	2	1R	2.4	4	45	4
2ERB 020 040 645	2	1R	2.4	4	45	6
2ERB 020 060 445	2	1R	2.4	6	45	4
2ERB 020 060 645	2	1R	2.4	6	45	6
2ERB 020 080 445	2	1R	2.4	8	45	4
2ERB 020 080 645	2	1R	2.4	8	45	6
2ERB 020 100 450	2	1R	2.4	10	50	4
2ERB 020 100 650	2	1R	2.4	10	50	6
2ERB 020 120 450	2	1R	2.4	12	50	4
2ERB 020 120 650	2	1R	2.4	12	50	6
2ERB 020 140 450	2	1R	2.4	14	50	4
2ERB 020 140 650	2	1R	2.4	14	50	6
2ERB 020 160 450	2	1R	2.4	16	50	4
2ERB 020 160 660	2	1R	2.4	16	60	6
2ERB 020 180 450	2	1R	2.4	18	50	4
2ERB 020 180 660	2	1R	2.4	18	60	6
2ERB 020 200 450	2	1R	2.4	20	50	4
2ERB 020 200 660	2	1R	2.4	20	60	6

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS

2 Flutes Eco Cut Rib Ball End Mills For Multi Purpose



Unit(mm)

	Model Number	Cutting Dia. D	Radius Of BN R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
ECO-CUT	2ERB 020 220 460	2	1R	2.4	22	60	4
	2ERB 020 220 660	2	1R	2.4	22	60	6
WIDE-CUT	2ERB 020 250 460	2	1R	2.4	25	60	4
	2ERB 020 250 660	2	1R	2.4	25	60	6
HARD-CUT	2ERB 020 300 475	2	1R	2.4	30	75	4
	2ERB 020 300 675	2	1R	2.4	30	75	6
ALU-CUT	2ERB 020 350 475	2	1R	2.4	35	75	4
	2ERB 020 350 675	2	1R	2.4	35	75	6
D-CUT	2ERB 020 400 475	2	1R	2.4	40	75	4
	2ERB 020 400 675	2	1R	2.4	40	75	6
SUS CUT	2ERB 020 450 475	2	1R	2.4	45	75	4
	2ERB 025 080 445	2.5	1.25R	3.0	8	45	4
MAGIC DRILLS	2ERB 025 100 450	2.5	1.25R	3.0	10	50	4
	2ERB 025 160 450	2.5	1.25R	3.0	16	50	4
	2ERB 025 200 450	2.5	1.25R	3.0	20	50	4
	2ERB 025 250 460	2.5	1.25R	3.0	25	60	4
	2ERB 025 300 475	2.5	1.25R	3.0	30	75	4
	2ERB 025 350 475	2.5	1.25R	3.0	35	75	4
	2ERB 030 060 645	3	1.5R	3.6	6	45	6
	2ERB 030 080 645	3	1.5R	3.6	8	45	6
	2ERB 030 100 650	3	1.5R	3.6	10	50	6
	2ERB 030 120 650	3	1.5R	3.6	12	50	6
	2ERB 030 160 660	3	1.5R	3.6	16	60	6
	2ERB 030 200 660	3	1.5R	3.6	20	60	6
	2ERB 030 250 660	3	1.5R	3.6	25	60	6
	2ERB 030 300 675	3	1.5R	3.6	30	75	6
	2ERB 030 350 675	3	1.5R	3.6	35	75	6
	2ERB 030 400 675	3	1.5R	3.6	40	75	6
	2ERB 030 450 6A0	3	1.5R	3.6	45	100	6
	2ERB 030 500 6A0	3	1.5R	3.6	50	100	6
	2ERB 030 600 6A0	3	1.5R	3.6	60	100	6
	2ERB 040 080 645	4	2R	4.8	8	45	6
	2ERB 040 100 650	4	2R	4.8	10	50	6
	2ERB 040 120 650	4	2R	4.8	12	50	6
	2ERB 040 160 660	4	2R	4.8	16	60	6
	2ERB 040 200 660	4	2R	4.8	20	60	6
	2ERB 040 250 660	4	2R	4.8	25	60	6

2 Flutes Eco Cut Rib Ball End Mills For Multi Purpose



Unit(mm)

Model Number	Cutting Dia. D	Radius Of BN R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2ERB 040 300 675	4	2R	4.8	30	75	6
2ERB 040 350 675	4	2R	4.8	35	75	6
2ERB 040 400 675	4	2R	4.8	40	75	6
2ERB 040 450 6A0	4	2R	4.8	45	100	6
2ERB 040 500 6A0	4	2R	4.8	50	100	6
2ERB 040 550 6A0	4	2R	4.8	55	100	6
2ERB 040 600 6A0	4	2R	4.8	60	100	6
2ERB 050 150 660	5	2.5R	6.0	15	60	6
2ERB 050 200 660	5	2.5R	6.0	20	60	6
2ERB 050 250 675	5	2.5R	6.0	25	75	6
2ERB 050 300 675	5	2.5R	6.0	30	75	6
2ERB 050 400 675	5	2.5R	6.0	40	75	6
2ERB 050 450 6A0	5	2.5R	6.0	45	100	6
2ERB 050 500 6A0	5	2.5R	6.0	50	100	6
2ERB 050 600 6A0	5	2.5R	6.0	60	100	6
2ERB 060 150 660	6	3R	10.0	15	60	6
2ERB 060 300 675	6	3R	10.0	30	75	6
2ERB 060 400 6A0	6	3R	10.0	40	100	6
2ERB 080 250 860	8	4R	12.0	25	60	8
2ERB 080 300 875	8	4R	12.0	30	75	8
2ERB 080 300 8A0	8	4R	12.0	30	100	8
2ERB 100 300 A75	10	5R	16.0	30	75	10
2ERB 100 350 AA0	10	5R	16.0	35	100	10
2ERB 120 300 C75	12	6R	18.0	30	75	12
2ERB 120 400 CA0	12	6R	18.0	40	100	12

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS