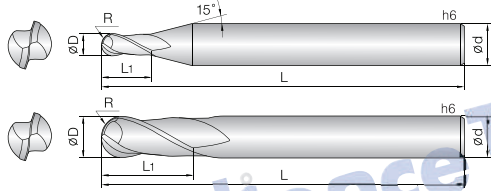


2 Flutes Hard Cut Standard Length Ball End Mills For Hardened Steels



2HPB

- Ball 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.
- Short overall length for easy use with Shrinking chuck.
- Good surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2μm) 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
2HPB 005 010 445	0.5	0.25R	1	-	45	4
2HPB 006 012 445	0.6	0.3R	1.2	-	45	4
2HPB 007 015 445	0.7	0.35R	1.5	-	45	4
2HPB 008 020 445	0.8	0.4R	2	-	45	4
2HPB 009 020 445	0.9	0.45R	2	-	45	4
2HPB 010 025 350	1	0.5R	2.5	-	50	3
2HPB 010 025 450	1	0.5R	2.5	-	50	4
2HPB 010 025 650	1	0.5R	2.5	-	50	6
2HPB 010 025 660	1	0.5R	2.5	-	60	6
2HPB 012 030 350	1.2	0.6R	3	-	50	3
2HPB 012 030 450	1.2	0.6R	3	-	50	4
2HPB 015 040 350	1.5	0.75R	4	-	50	3
2HPB 015 040 450	1.5	0.75R	4	-	50	4
2HPB 015 040 650	1.5	0.75R	4	-	50	6
2HPB 015 040 660	1.5	0.75R	4	-	60	6
2HPB 020 050 350	2	1R	5	-	50	3
2HPB 020 050 450	2	1R	5	-	50	4
2HPB 020 050 650	2	1R	5	-	50	6
2HPB 020 050 675	2	1R	5	-	75	6
2HPB 025 060 350	2.5	1.25R	6	-	50	3
2HPB 025 060 450	2.5	1.25R	6	-	50	4
2HPB 025 060 675	2.5	1.25R	6	-	75	6
2HPB 030 080 350	3	1.5R	8	-	50	3
2HPB 030 080 450	3	1.5R	8	-	50	4
2HPB 030 080 660	3	1.5R	8	-	60	6
2HPB 030 080 675	3	1.5R	8	-	75	6

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Unit(mm)

Model Number	Cutting Dia. D	Radius Of BN R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
2HPB 035 080 660	3.5	1.75R	8	-	60	6
2HPB 040 080 460	4	2R	8	-	60	4
2HPB 040 080 475	4	2R	8	-	75	4
2HPB 040 080 660	4	2R	8	-	60	6
2HPB 040 080 6A0	4	2R	8	-	100	6
2HPB 045 080 660	4.5	2.25R	8	-	60	6
2HPB 050 100 675	5	2.5R	10	-	75	6
2HPB 055 100 675	5.5	2.75R	10	-	75	6
2HPB 060 100 660	6	3R	10	-	60	6
2HPB 060 120 675	6	3R	12	-	75	6
2HPB 060 120 6A0	6	3R	12	-	100	6
2HPB 070 140 875	7	3.5R	14	-	75	8
2HPB 080 120 860	8	4R	12	-	60	8
2HPB 080 140 8A0	8	4R	14	-	100	8
2HPB 100 150 A75	10	5R	15	-	75	10
2HPB 100 180 AA0	10	5R	18	-	100	10
2HPB 120 180 C75	12	6R	18	-	75	12
2HPB 120 220 CA0	12	6R	22	-	100	12
2HPB 140 240 EA0	14	7R	24	-	100	14

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS