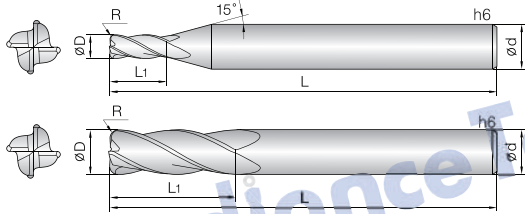


4 Flutes Wide Cut Standard Length Corner Radius End Mills



4WCR

- Endmills for various work materials (HRC 50~62) Pre-hardened steels and Hardened steels.
- Good wear resistance by Si-based W coating.
- High-Precise edge tolerance.
- Good surface finish.
- Designed for minimizing edge chipping by corner R shape.
- Various corner R and flute length for wide range application.
- Outstanding performance at high speed machining by ultra fine (0.2μm) grade.

Unit(mm)

Model Number	Cutting Dia. D	Corner Radius R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
4WCR 005 0005 445	0.5	R0.05	1	-	45	4
4WCR 005 001 445	0.5	R0.1	1	-	45	4
4WCR 006 001 445	0.6	R0.1	1.2	-	45	4
4WCR 006 002 445	0.6	R0.2	1.2	-	45	4
4WCR 008 001 445	0.8	R0.1	1.6	-	45	4
4WCR 008 002 445	0.8	R0.2	1.6	-	45	4
4WCR 010 0002 445	1	R0.02	2.5	-	45	4
4WCR 010 0005 445	1	R0.05	2.5	-	45	4
4WCR 010 001 445	1	R0.1	2.5	-	45	4
4WCR 010 002 445	1	R0.2	2.5	-	45	4
4WCR 010 003 445	1	R0.3	2.5	-	45	4
4WCR 012 0002 445	1.2	R0.02	4	-	45	4
4WCR 012 0005 445	1.2	R0.05	4	-	45	4
4WCR 012 001 445	1.2	R0.1	4	-	45	4
4WCR 012 002 445	1.2	R0.2	4	-	45	4
4WCR 012 003 445	1.2	R0.3	4	-	45	4
4WCR 015 0002 445	1.5	R0.02	4	-	45	4
4WCR 015 0005 445	1.5	R0.05	4	-	45	4
4WCR 015 001 445	1.5	R0.1	4	-	45	4
4WCR 015 002 445	1.5	R0.2	4	-	45	4
4WCR 015 003 445	1.5	R0.3	4	-	45	4
4WCR 015 004 445	1.5	R0.4	4	-	45	4
4WCR 015 005 445	1.5	R0.5	4	-	45	4
4WCR 020 0002 445	2	R0.02	6	-	45	4
4WCR 020 0005 445	2	R0.05	6	-	45	4
4WCR 020 001 445	2	R0.1	6	-	45	4

4 Flutes Wide Cut Standard Length Corner Radius End Mills



Unit(mm)

Model Number	Cutting Dia. D	Corner Radius R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
4WCR 020 002 445	2	R0.2	6	-	45	4
4WCR 020 003 445	2	R0.3	6	-	45	4
4WCR 020 004 445	2	R0.4	6	-	45	4
4WCR 020 005 445	2	R0.5	6	-	45	4
4WCR 025 0005 450	2.5	R0.05	6	-	50	4
4WCR 025 001 450	2.5	R0.1	6	-	50	4
4WCR 025 002 450	2.5	R0.2	6	-	50	4
4WCR 025 003 450	2.5	R0.3	6	-	50	4
4WCR 025 005 450	2.5	R0.5	6	-	50	4
4WCR 030 0005 660	3	R0.05	8	-	60	6
4WCR 030 001 660	3	R0.1	8	-	60	6
4WCR 030 002 660	3	R0.2	8	-	60	6
4WCR 030 003 660	3	R0.3	8	-	60	6
4WCR 030 004 660	3	R0.4	8	-	60	6
4WCR 030 005 660	3	R0.5	8	-	60	6
4WCR 030 010 660	3	R1	8	-	60	6
4WCR 040 0005 460	4	R0.05	9	-	60	4
4WCR 040 0005 475	4	R0.05	9	-	75	4
4WCR 040 0005 660	4	R0.05	10	-	60	6
4WCR 040 001 460	4	R0.1	9	-	60	4
4WCR 040 001 475	4	R0.1	9	-	75	4
4WCR 040 001 660	4	R0.1	10	-	60	6
4WCR 040 002 460	4	R0.2	9	-	60	4
4WCR 040 002 475	4	R0.2	9	-	75	4
4WCR 040 002 660	4	R0.2	10	-	60	6
4WCR 040 003 460	4	R0.3	9	-	60	4
4WCR 040 003 475	4	R0.3	9	-	75	4
4WCR 040 003 660	4	R0.3	10	-	60	6
4WCR 040 004 460	4	R0.4	9	-	60	4
4WCR 040 004 475	4	R0.4	9	-	75	4
4WCR 040 004 660	4	R0.4	10	-	60	6
4WCR 040 005 460	4	R0.5	9	-	60	4
4WCR 040 005 475	4	R0.5	9	-	75	4
4WCR 040 005 660	4	R0.5	10	-	60	6
4WCR 040 010 460	4	R1	9	-	60	4
4WCR 040 010 475	4	R1	9	-	75	4
4WCR 040 010 660	4	R1	10	-	60	6

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS

4 Flutes Wide Cut Standard Length Corner Radius End Mills



Unit(mm)

	Model Number	Cutting Dia. D	Corner Radius R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
ECO-CUT	4WCR 050 0005 675	5	R0.05	13	-	75	6
	4WCR 050 001 675	5	R0.1	13	-	75	6
WIDE-CUT	4WCR 050 002 675	5	R0.2	13	-	75	6
	4WCR 050 003 675	5	R0.3	13	-	75	6
HARD-CUT	4WCR 050 004 675	5	R0.4	13	-	75	6
	4WCR 050 005 675	5	R0.5	13	-	75	6
ALU-CUT	4WCR 050 010 675	5	R1	13	-	75	6
	4WCR 055 002 675	5.5	R0.2	13	-	75	6
D-CUT	4WCR 055 003 675	5.5	R0.3	13	-	75	6
	4WCR 055 005 675	5.5	R0.5	13	-	75	6
SUS CUT	4WCR 055 010 675	5.5	R1	13	-	75	6
	4WCR 060 0005 675	6	R0.05	13	-	75	6
MAGIC DRILLS	4WCR 060 001 660	6	R0.1	11	-	60	6
	4WCR 060 001 675	6	R0.1	13	-	75	6
	4WCR 060 002 660	6	R0.2	11	-	60	6
	4WCR 060 002 675	6	R0.2	13	-	75	6
	4WCR 060 003 660	6	R0.3	11	-	60	6
	4WCR 060 003 675	6	R0.3	13	-	75	6
	4WCR 060 004 675	6	R0.4	13	-	75	6
	4WCR 060 005 660	6	R0.5	11	-	60	6
	4WCR 060 005 675	6	R0.5	13	-	75	6
	4WCR 060 010 660	6	R1	11	-	60	6
	4WCR 060 010 675	6	R1	13	-	75	6
	4WCR 060 015 660	6	R1.5	11	-	60	6
	4WCR 060 015 675	6	R1.5	13	-	75	6
	4WCR 060 020 660	6	R2	11	-	60	6
	4WCR 060 020 675	6	R2	13	-	75	6
	4WCR 080 001 875	8	R0.1	16	-	75	8
	4WCR 080 001 8A0	8	R0.1	19	-	100	8
	4WCR 080 002 875	8	R0.2	16	-	75	8
	4WCR 080 002 8A0	8	R0.2	19	-	100	8
	4WCR 080 003 875	8	R0.3	16	-	75	8
	4WCR 080 003 8A0	8	R0.3	19	-	100	8
	4WCR 080 005 875	8	R0.5	16	-	75	8
	4WCR 080 005 8A0	8	R0.5	19	-	100	8
	4WCR 080 005 8A0	8	R0.5	19	-	100	8
	4WCR 080 010 875	8	R1	16	-	75	8

4 Flutes Wide Cut Standard Length Corner Radius End Mills



Unit(mm)

Model Number	Cutting Dia. D	Corner Radius R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
4WCR 080 010 8A0	8	R1	19	-	100	8
4WCR 080 010 8A0	8	R1	19	-	100	8
4WCR 080 015 875	8	R1.5	16	-	75	8
4WCR 080 015 8A0	8	R1.5	19	-	100	8
4WCR 080 015 8A0	8	R1.5	19	-	100	8
4WCR 080 020 875	8	R2	16	-	75	8
4WCR 080 020 8A0	8	R2	19	-	100	8
4WCR 080 020 8A0	8	R2	19	-	100	8
4WCR 080 025 8A0	8	R2.5	19	-	100	8
4WCR 100 001 A75	10	R0.1	19	-	75	10
4WCR 100 001 AA0	10	R0.1	22	-	100	10
4WCR 100 002 A75	10	R0.2	19	-	75	10
4WCR 100 002 AA0	10	R0.2	22	-	100	10
4WCR 100 002 AC0	10	R0.2	22	-	120	10
4WCR 100 003 A75	10	R0.3	19	-	75	10
4WCR 100 003 AA0	10	R0.3	22	-	100	10
4WCR 100 005 A75	10	R0.5	19	-	75	10
4WCR 100 005 AA0	10	R0.5	22	-	100	10
4WCR 100 005 AC0	10	R0.5	22	-	120	10
4WCR 100 010 A75	10	R1	19	-	75	10
4WCR 100 010 AA0	10	R1	22	-	100	10
4WCR 100 010 AC0	10	R1	22	-	120	10
4WCR 100 015 A75	10	R1.5	19	-	75	10
4WCR 100 015 AA0	10	R1.5	22	-	100	10
4WCR 100 015 AC0	10	R1.5	22	-	120	10
4WCR 100 020 A75	10	R2	19	-	75	10
4WCR 100 020 AA0	10	R2	22	-	100	10
4WCR 100 020 AC0	10	R2	22	-	120	10
4WCR 100 025 A75	10	R2.5	19	-	75	10
4WCR 100 025 AA0	10	R2.5	22	-	100	10
4WCR 100 025 AC0	10	R2.5	22	-	120	10
4WCR 100 030 AA0	10	R3	22	-	100	10
4WCR 120 002 C75	12	R0.2	22	-	75	12
4WCR 120 002 CA0	12	R0.2	26	-	100	12
4WCR 120 002 CF0	12	R0.2	26	-	150	12
4WCR 120 003 C75	12	R0.3	22	-	75	12
4WCR 120 003 CA0	12	R0.3	26	-	100	12

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS

4 Flutes Wide Cut Standard Length Corner Radius End Mills



Unit(mm)

Model Number	Cutting Dia. D	Corner Radius R	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
4WCR 120 005 C75	12	R0.5	22	-	75	12
4WCR 120 005 CA0	12	R0.5	26	-	100	12
4WCR 120 005 CF0	12	R0.5	26	-	150	12
4WCR 120 010 C75	12	R1	22	-	75	12
4WCR 120 010 CA0	12	R1	26	-	100	12
4WCR 120 010 CF0	12	R1	26	-	150	12
4WCR 120 015 C75	12	R1.5	22	-	75	12
4WCR 120 015 CA0	12	R1.5	26	-	100	12
4WCR 120 015 CF0	12	R1.5	26	-	150	12
4WCR 120 020 C75	12	R2	22	-	75	12
4WCR 120 020 CA0	12	R2	26	-	100	12
4WCR 120 020 CF0	12	R2	26	-	150	12
4WCR 120 025 C75	12	R2.5	22	-	75	12
4WCR 120 025 CA0	12	R2.5	26	-	100	12
4WCR 120 025 CF0	12	R2.5	26	-	150	12
4WCR 120 030 C75	12	R3	22	-	75	12
4WCR 120 030 CA0	12	R3	26	-	100	12
4WCR 120 030 CF0	12	R3	26	-	150	12
4WCR 120 035 CA0	12	R3.5	26	-	100	12
4WCR 120 040 CA0	12	R4	26	-	100	12
4WCR 140 005 EA0	14	R0.5	30	-	100	14
4WCR 140 010 EA0	14	R1	30	-	100	14
4WCR 140 020 EA0	14	R2	30	-	100	14
4WCR 160 005 GA0	16	R0.5	32	-	100	16
4WCR 160 005 GF0	16	R0.5	32	-	150	16
4WCR 160 010 GA0	16	R1	32	-	100	16
4WCR 160 010 GF0	16	R1	32	-	150	16
4WCR 160 015 GA0	16	R1.5	32	-	100	16
4WCR 160 020 GA0	16	R2	32	-	100	16
4WCR 160 030 GA0	16	R3	32	-	100	16
4WCR 200 005 KA0	20	R0.5	38	-	100	20
4WCR 200 005 KF0	20	R0.5	38	-	150	20
4WCR 200 010 KA0	20	R1	38	-	100	20
4WCR 200 010 KF0	20	R1	38	-	150	20
4WCR 200 015 KA0	20	R1.5	38	-	100	20
4WCR 200 015 KF0	20	R1.5	38	-	150	20
4WCR 200 020 KA0	20	R2	38	-	100	20
4WCR 200 020 KF0	20	R2	38	-	150	20