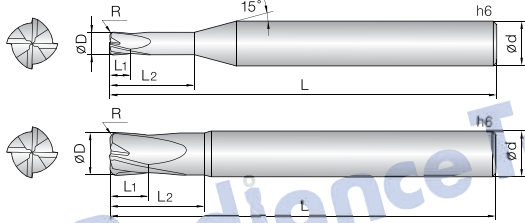


4 Flutes Wide Cut 15° Helix Corner Radius End Mills



4WLR



- 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 low speed with high feed condition.
- Suitable for heavy duty and roughing application.
- Minimize fracturing at high feed by high TRS fine 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
4WLR 010 002 025 450	1	R0.2	1	2.5	50	4
4WLR 015 005 040 450	1.5	R0.5	1.5	4	50	4
4WLR 020 005 060 650	2	R0.5	2	6	50	6
4WLR 030 005 080 650	3	R0.5	3	8	50	6
4WLR 040 005 120 660	4	R0.5	4	12	60	6
4WLR 040 005 160 660	4	R0.5	4	16	60	6
4WLR 040 010 120 660	4	R1	4	12	60	6
4WLR 040 010 160 660	4	R1	4	16	60	6
4WLR 050 005 150 660	5	R0.5	5	15	60	6
4WLR 050 010 150 660	5	R1	5	15	60	6
4WLR 060 003 150 660	6	R0.3	6	15	60	6
4WLR 060 005 150 660	6	R0.5	6	15	60	6
4WLR 060 010 150 660	6	R1	6	15	60	6
4WLR 060 015 150 660	6	R1.5	6	15	60	6
4WLR 060 020 150 660	6	R2	6	15	60	6
4WLR 060 025 150 660	6	R2.5	6	15	60	6
4WLR 080 003 160 860	8	R0.3	8	16	60	8
4WLR 080 005 160 860	8	R0.5	8	16	60	8
4WLR 080 005 200 875	8	R0.5	8	20	75	8
4WLR 080 005 300 8A0	8	R0.5	8	30	100	8
4WLR 080 010 160 860	8	R1	8	16	60	8
4WLR 080 010 200 875	8	R1	8	20	75	8
4WLR 080 010 300 8A0	8	R1	8	30	100	8
4WLR 080 020 160 860	8	R2	8	16	60	8
4WLR 080 020 200 875	8	R2	8	20	75	8

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4WLR 080 020 300 8A0	8	R2	8	30	100	8
4WLR 080 030 160 860	8	R3	8	16	60	8
4WLR 080 030 200 875	8	R3	8	20	75	8
4WLR 080 030 300 8A0	8	R3	8	30	100	8
4WLR 100 003 200 A75	10	R0.3	10	20	75	10
4WLR 100 005 200 A75	10	R0.5	10	20	75	10
4WLR 100 005 250 AA0	10	R0.5	10	25	100	10
4WLR 100 005 300 AC0	10	R0.5	10	30	120	10
4WLR 100 010 200 A75	10	R1	10	20	75	10
4WLR 100 010 250 AA0	10	R1	10	25	100	10
4WLR 100 010 300 AC0	10	R1	10	30	120	10
4WLR 100 020 200 A75	10	R2	10	20	75	10
4WLR 100 020 250 AA0	10	R2	10	25	100	10
4WLR 100 020 300 AC0	10	R2	10	30	120	10
4WLR 100 030 200 A75	10	R3	10	20	75	10
4WLR 100 030 250 AA0	10	R3	10	25	100	10
4WLR 100 030 300 AC0	10	R3	10	30	120	10
4WLR 120 005 250 C75	12	R0.5	12	25	75	12
4WLR 120 005 300 CA0	12	R0.5	12	30	100	12
4WLR 120 005 350 CF0	12	R0.5	12	35	150	12
4WLR 120 010 250 C75	12	R1	12	25	75	12
4WLR 120 010 300 CA0	12	R1	12	30	100	12
4WLR 120 010 350 CF0	12	R1	12	35	150	12
4WLR 120 020 250 C75	12	R2	12	25	75	12
4WLR 120 020 300 CA0	12	R2	12	30	100	12
4WLR 120 020 350 CF0	12	R2	12	35	150	12
4WLR 120 030 250 C75	12	R3	12	25	75	12
4WLR 120 030 300 CA0	12	R3	12	30	100	12
4WLR 120 030 350 CF0	12	R3	12	35	150	12
4WLR 120 040 250 C75	12	R4	12	25	75	12
4WLR 120 040 300 CA0	12	R4	12	30	100	12
4WLR 120 040 350 CF0	12	R4	12	35	150	12
4WLR 160 010 300 GA0	16	R1	16	30	100	16
4WLR 160 010 400 GF0	16	R1	16	40	150	16
4WLR 160 020 300 GA0	16	R2	16	30	100	16
4WLR 160 020 400 GF0	16	R2	16	40	150	16
4WLR 160 030 300 GA0	16	R3	16	30	100	16

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS

4 Flutes Wide Cut 15° Helix 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
4WLR 160 030 400 GF0	16	R3	16	40	150	16
4WLR 160 040 300 GA0	16	R4	16	30	100	16
4WLR 160 040 400 GF0	16	R4	16	40	150	16
4WLR 160 050 300 GA0	16	R5	16	30	100	16
4WLR 160 050 400 GF0	16	R5	16	40	150	16

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS