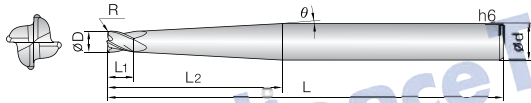


4 Flutes Hard Cut Taper Neck Corner Radius End Mills For Hardened Steels

4HTR



- **Corner Radius 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.
- Minimize chattering and fracturing by taper designed flute.
- Designed for minimizing edge chipping by corner R shape.
- Good surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2µm) WC grade.

Unit(mm)

Model Number	Cutting Dia. D	Corner Radius R	Angle θ	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
4HTR 010 001 0601 450	1	R0.1	1°	1	6	50	4
4HTR 010 001 1001 450	1	R0.1	1°	1	10	50	4
4HTR 010 001 1501 450	1	R0.1	1°	1	15	50	4
4HTR 010 001 2001 460	1	R0.1	1°	1	20	60	4
4HTR 010 001 2501 460	1	R0.1	1°	1	25	60	4
4HTR 010 001 3001 475	1	R0.1	1°	1	30	75	4
4HTR 010 001 3501 475	1	R0.1	1°	1	35	75	4
4HTR 010 002 0601 450	1	R0.2	1°	1	6	50	4
4HTR 010 002 1001 450	1	R0.2	1°	1	10	50	4
4HTR 010 002 1501 450	1	R0.2	1°	1	15	50	4
4HTR 010 002 2001 460	1	R0.2	1°	1	20	60	4
4HTR 010 002 2501 460	1	R0.2	1°	1	25	60	4
4HTR 010 002 3001 475	1	R0.2	1°	1	30	75	4
4HTR 010 002 3501 475	1	R0.2	1°	1	35	75	4
4HTR 010 003 1001 450	1	R0.3	1°	1	10	50	4
4HTR 010 003 1501 450	1	R0.3	1°	1	15	50	4
4HTR 010 003 2001 460	1	R0.3	1°	1	20	60	4
4HTR 010 003 2501 460	1	R0.3	1°	1	25	60	4
4HTR 015 002 1001 450	1.5	R0.2	1°	1.5	10	50	4
4HTR 015 002 1501 450	1.5	R0.2	1°	1.5	15	50	4
4HTR 015 002 2001 460	1.5	R0.2	1°	1.5	20	60	4
4HTR 015 002 2501 460	1.5	R0.2	1°	1.5	25	60	4
4HTR 015 002 3001 475	1.5	R0.2	1°	1.5	30	75	4
4HTR 015 002 3501 475	1.5	R0.2	1°	1.5	35	75	4
4HTR 015 003 1501 450	1.5	R0.3	1°	1.5	15	50	4
4HTR 015 003 2001 460	1.5	R0.3	1°	1.5	20	60	4

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Unit(mm)

Model Number	Cutting Dia. D	Corner Radius R	Angle θ	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
4HTR 015 003 2501 460	1.5	R0.3	1°	1.5	25	60	4
4HTR 015 005 1001 450	1.5	R0.5	1°	1.5	10	50	4
4HTR 015 005 1501 450	1.5	R0.5	1°	1.5	15	50	4
4HTR 015 005 2001 460	1.5	R0.5	1°	1.5	20	60	4
4HTR 015 005 2501 460	1.5	R0.5	1°	1.5	25	60	4
4HTR 015 005 3001 475	1.5	R0.5	1°	1.5	30	75	4
4HTR 015 005 3501 475	1.5	R0.5	1°	1.5	35	75	4
4HTR 020 002 1201 450	2	R0.2	1°	2	12	50	4
4HTR 020 002 1601 450	2	R0.2	1°	2	16	50	4
4HTR 020 002 2001 460	2	R0.2	1°	2	20	60	4
4HTR 020 002 2501 460	2	R0.2	1°	2	25	60	4
4HTR 020 002 3001 475	2	R0.2	1°	2	30	75	4
4HTR 020 002 3501 475	2	R0.2	1°	2	35	75	4
4HTR 020 002 4001 475	2	R0.2	1°	2	40	75	4
4HTR 020 002 5001 4A0	2	R0.2	1°	2	50	100	4
4HTR 020 003 2001 460	2	R0.3	1°	2	20	60	4
4HTR 020 003 3001 475	2	R0.3	1°	2	30	75	4
4HTR 020 003 4001 475	2	R0.3	1°	2	40	75	4
4HTR 020 005 1201 450	2	R0.5	1°	2	12	50	4
4HTR 020 005 1601 450	2	R0.5	1°	2	16	50	4
4HTR 020 005 2001 460	2	R0.5	1°	2	20	60	4
4HTR 020 005 2501 460	2	R0.5	1°	2	25	60	4
4HTR 020 005 3001 475	2	R0.5	1°	2	30	75	4
4HTR 020 005 3501 475	2	R0.5	1°	2	35	75	4
4HTR 020 005 4001 475	2	R0.5	1°	2	40	75	4
4HTR 020 005 5001 4A0	2	R0.5	1°	2	50	100	4
4HTR 030 002 2001 660	3	R0.2	1°	3	20	60	6
4HTR 030 002 3001 675	3	R0.2	1°	3	30	75	6
4HTR 030 002 4001 675	3	R0.2	1°	3	40	75	6
4HTR 030 002 5001 6A0	3	R0.2	1°	3	50	100	6
4HTR 030 002 6001 6A0	3	R0.2	1°	3	60	100	6
4HTR 030 003 4001 675	3	R0.3	1°	3	40	75	6
4HTR 030 003 5001 6A0	3	R0.3	1°	3	50	100	6
4HTR 030 003 6001 6A0	3	R0.3	1°	3	60	100	6
4HTR 030 005 2001 660	3	R0.5	1°	3	20	60	6
4HTR 030 005 3001 675	3	R0.5	1°	3	30	75	6
4HTR 030 005 4001 675	3	R0.5	1°	3	40	75	6

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Unit(mm)

Model Number	Cutting Dia. D	Corner Radius R	Angle θ	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
4HTR 030 005 5001 6A0	3	R0.5	1°	3	50	100	6
4HTR 030 005 6001 6A0	3	R0.5	1°	3	60	100	6
4HTR 040 002 2001 660	4	R0.2	1°	4	20	60	6
4HTR 040 002 3001 675	4	R0.2	1°	4	30	75	6
4HTR 040 002 4001 675	4	R0.2	1°	4	40	75	6
4HTR 040 002 5001 6A0	4	R0.2	1°	4	50	100	6
4HTR 040 002 6001 6A0	4	R0.2	1°	4	60	100	6
4HTR 040 003 4001 675	4	R0.3	1°	4	40	75	6
4HTR 040 003 5001 6A0	4	R0.3	1°	4	50	100	6
4HTR 040 003 6001 6A0	4	R0.3	1°	4	60	100	6
4HTR 040 005 2001 660	4	R0.5	1°	4	20	60	6
4HTR 040 005 3001 675	4	R0.5	1°	4	30	75	6
4HTR 040 005 4001 675	4	R0.5	1°	4	40	75	6
4HTR 040 005 5001 6A0	4	R0.5	1°	4	50	100	6
4HTR 040 005 6001 6A0	4	R0.5	1°	4	60	100	6

ECO-CUT

WIDE-CUT

HARD-CUT

ALU-CUT

D-CUT

SUS CUT

MAGIC DRILLS