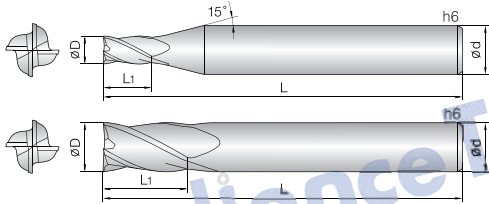


4 Flutes Wide Cut Short Length End Mills



4WSE

- 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.
- Short overall length for easy use with shrinking chuck.
- Reinforced edge design for preventing edge chipping.
- Minimize fracturing by high TRS fine (0.5µm) WC grade.



Unit(mm)

Model Number	Cutting Dia. D	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
4WSE 005 0075 445	0.5	0.75	-	45	4
4WSE 006 009 445	0.6	0.9	-	45	4
4WSE 008 012 445	0.8	1.2	-	45	4
4WSE 010 015 445	1	1.5	-	45	4
4WSE 012 020 445	1.2	2	-	45	4
4WSE 015 022 445	1.5	2.2	-	45	4
4WSE 020 035 445	2	3.5	-	45	4
4WSE 020 035 650	2	3.5	-	50	6
4WSE 025 038 445	2.5	3.8	-	45	4
4WSE 030 045 445	3	4.5	-	45	4
4WSE 030 045 650	3	4.5	-	50	6
4WSE 035 052 650	3.5	5.2	-	50	6
4WSE 040 060 445	4	6	-	45	4
4WSE 040 060 650	4	6	-	50	6
4WSE 045 068 650	4.5	6.8	-	50	6
4WSE 050 075 650	5	7.5	-	50	6
4WSE 060 090 650	6	9	-	50	6
4WSE 080 120 850	8	12	-	50	8
4WSE 100 150 A60	10	15	-	60	10
4WSE 120 180 A60	12	18	-	60	12
4WSE 160 240 G75	16	24	-	75	16