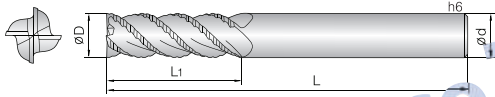


3&4 Flutes Wide Cut 45° Helix Roughing End Mills



3&4WHROU

- Roughing Endmills for hard to cut materials, alloy steels, SUS, Inconel and structural steels.
- Good wear resistance by Si-based W coating.
- High-Precise edge tolerance.
- Good surface finish.
- Long tool life with low cutting force by 45° helix design.
- Fine pitch shape design for high speed roughing application.



Unit(mm)

Model Number	Cutting Dia. D	Length Of Cut L1	Effective Length L2	Overall Length L	Shank dia d
3WHROU 040 100 650	4	10	-	50	6
3WHROU 050 130 650	5	13	-	50	6
3WHROU 060 100 650	6	10	-	50	6
3WHROU 060 160 650	6	16	-	50	6
3WHROU 060 200 660	6	20	-	60	6
3WHROU 070 180 860	7	18	-	60	8
3WHROU 080 120 860	8	12	-	60	8
3WHROU 080 190 860	8	19	-	60	8
3WHROU 080 250 875	8	25	-	75	8
3WHROU 080 300 875	8	30	-	75	8
4WHROU 090 220 A75	9	22	-	75	10
4WHROU 100 150 A75	10	15	-	75	10
4WHROU 100 220 A75	10	22	-	75	10
4WHROU 100 300 A75	10	30	-	75	10
4WHROU 100 400 AA0	10	40	-	100	10
4WHROU 110 270 C75	11	27	-	75	12
4WHROU 120 200 C75	12	20	-	75	12
4WHROU 120 250 C75	12	25	-	75	12
4WHROU 120 350 CA0	12	35	-	100	12
4WHROU 120 500 CA0	12	50	-	100	12
4WHROU 160 320 GA0	16	32	-	100	16
4WHROU 160 400 GA0	16	40	-	100	16
4WHROU 200 380 KA0	20	38	-	100	20
4WHROU 200 500 KC0	20	50	-	120	20