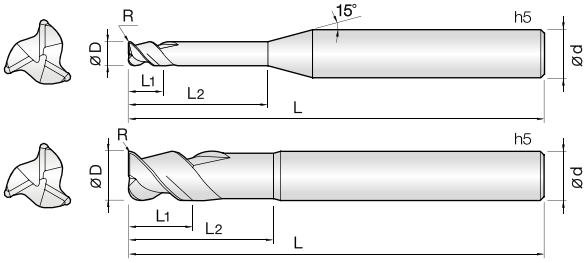
3COR

3 Flutes 45° Helix Rib Corner Radius End Mills for Copper

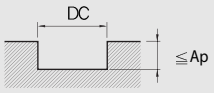
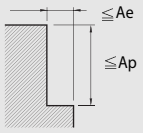


3 | WC | JCRO Coating | LRJ ±0.005 R0.1 ~ 0.5 | LRJ ±0.01 R1 | 45° Helix Angle

D Size	D Tolerance
ø1 ~ 4	+0 ~ −0.01 mm
ø6 ~ 12	−0.005 ~ −0.015 mm

2COR / 3COR Cutting Condition

• RPM : rev./min • Feed : mm/min

Material			Slotting				Side Cutting			
			Copper / Copper Alloys				Copper / Copper Alloys			
Outside Diameter	Corner Radius	Effective Length	RPM	FEED	Ap Axial Depth	Ap Radial Depth	RPM	FEED	Ap Axial Depth	Ap Radial Depth
ø1	R0.1, R0.2	3	45,000	2,500	0.036	1	45,000	4,500	0.036	0.2
〃	〃	6	40,000	2,000	0.03	1	40,000	3,000	0.03	0.2
〃	〃	10	35,000	1,600	0.025	1	35,000	2,000	0.025	0.2
ø1.5	R0.1, R0.2	5	23,000	1,800	0.08	1.5	50,000	6,000	0.08	0.3
〃	〃	8	26,000	1,600	0.06	1.5	45,000	5,500	0.06	0.3
〃	〃	12	30,000	1,500	0.05	1.5	40,000	4,500	0.04	0.3
ø2	R0.1, R0.2	6	35,000	1,800	0.14	2	45,000	5,000	0.12	0.8
〃	〃	10	30,000	1,600	0.12	2	40,000	4,700	0.1	0.6
〃	〃	14	30,000	1,200	0.08	2	30,000	3,800	0.06	0.4
ø3	R0.2, R0.3	10	30,000	2,200	0.14	3	40,000	6,500	0.12	1
〃	〃	16	20,000	2,000	0.12	3	35,000	6,000	0.1	0.6
〃	〃	20	20,000	2,000	0.12	3	35,000	6,000	0.1	0.6
〃	R0.5	10	20,000	2,600	0.14	3	38,000	10,000	0.12	0.8
〃	〃	16	20,000	2,200	0.12	3	35,000	8,000	0.1	0.6
〃	〃	20	20,000	2,200	0.12	3	35,000	8,000	0.1	0.6
ø4	R0.2, R0.3	12	20,000	2,600	0.5	4	40,000	8,000	0.18	0.12
〃	〃	16	15,000	2,400	0.3	4	32,000	5,000	0.16	0.1
〃	〃	20	15,000	2,000	0.25	4	32,000	5,000	0.15	0.8
〃	R0.5	12	20,000	2,400	0.5	4	35,000	10,000	0.3	0.1
〃	〃	16	15,000	2,200	0.25	4	32,000	7,000	0.15	0.8
〃	〃	20	15,000	2,200	0.25	4	32,000	7,000	0.15	0.8
Depth of Cut										

- Above the parameters are based on V/C 100 with Fz 0.03. Actual machining can be changed depending on your machining purpose and condition of your machine.
- If the table over the maximum RPM and feed of your machine, or found red heat on the material, adjust RPM and feed in the same proportion.
- Air blow or mist coolants are recommended and note for chip emission, heat, or ignition.

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