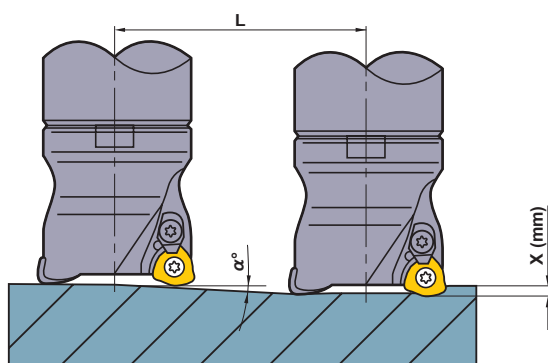
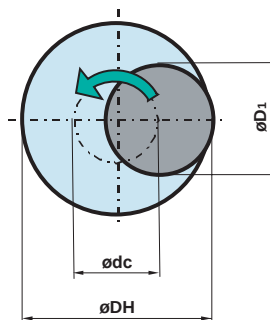


MAXIMUM CAPACITIES

RAMPING



HELICAL CUTTING



- How to derive a locus of the centre of the tool.

$$\varnothing dc = \varnothing DH - \varnothing D1$$

Locus of the centre of the tool Desired hole diameter Cutting edge diameter

- Please set the depth of cut per cycle under max. depth of cut (ap).
- Please machine in a down cutting direction (climb milling).

- When ramping and helical cutting, please apply a lower feed (60% of the calculated feed rate or less).
- When drilling, please set the feed in the axial direction at 0.2mm/rev or less.

Order Number		Tool Diameter (mm)	Machined Face Diameter (mm)	Max. Depth of Cut ap (mm)	Ramp Machining			Helical Cutting		Max. Drilling Depth A2 (mm)	
					Max. Angle	Required Distance for X Depth L (mm)			Min. Hole Diameter DH (mm)		Max. Hole Diameter DH (mm)
						X=1	X=1.5	X=2			
Shank type / Screw-in type	AJX06R162	16	8	1.0	3°	19.1	—	—	23	29	0.3
	06R172	17	9	1.0	2°30′	22.9	—	—	25	31	0.3
	06R203	20	12	1.0	1°30′	38.2	—	—	31	37	0.3
	06R223	22	14	1.0	1°	57.3	—	—	35	41	0.3
	08R202	20	11	1.5	3°30′	16.3	24.5	—	27	36	0.5
	08R222	22	13	1.5	3°	19.1	28.6	—	31	40	0.5
	08R253	25	16	1.5	2°	28.6	43.0	—	37	46	0.5
	08R283	28	19	1.5	1°42′	33.7	50.5	—	43	52	0.5
	09R252	25	14	2.0	4°	14.3	21.5	28.6	33	46	1.0
	09R282	28	17	2.0	3°	19.1	28.6	38.1	39	52	1.0
	09R303	30	19	2.0	2°42′	21.2	31.8	42.4	43	56	1.0
	09R323	32	21	2.0	2°30′	22.9	34.4	45.8	47	60	1.0
	09R353	35	24	2.0	2°	28.6	43.0	57.3	53	66	1.0
	09R404	40	29	2.0	1°30′	38.2	57.3	76.4	63	76	1.0
	12R302	30	18	2.0	4°30′	12.7	19.0	25.4	39	56	1.5
	12R322	32	20	2.0	4°	14.3	21.4	28.6	41	60	1.5
	12R352	35	23	2.0	3°30′	16.3	24.5	32.7	47	66	1.5
	12R402	40	28	2.0	3°	19.1	28.6	38.2	57	76	1.5
Arbor type	12R403	40	28	2.0	3°	19.1	28.6	38.2	57	76	1.5
	14R503	50	38	2.0	4°12′	13.6	20.4	27.2	72	96	2.0
	14R634	63	51	2.0	2°48′	20.4	30.7	40.9	98	122	2.0
	AJX09-050	50	40	2.0	1°06′	52.1	78.1	104.2	83	96	1.0
	09-052	52	41	2.0	1°	57.3	85.9	114.6	87	100	1.0
	AJX12-050	50	38	2.0	2°	28.6	43.0	57.3	77	96	1.5
	R050	50	38	2.0	2°	28.6	43.0	57.3	77	96	1.5
	-052	52	40	2.0	1°48′	31.8	47.7	63.6	81	100	1.5
	-063	63	51	2.0	1°30′	38.2	57.3	76.4	103	122	1.5
	-066	66	54	2.0	1°24′	40.9	61.4	81.8	109	128	1.5
	-080	80	68	2.0	1°06′	52.1	78.1	104.2	137	156	1.5
	-100	100	88	2.0	0°48′	71.6	107.4	143.2	177	196	1.5
	AJX14-063	63	51	2.0	2°48′	20.4	30.7	40.9	98	122	2.0
	R063	63	51	2.0	2°48′	20.4	30.7	40.9	98	122	2.0
	-066	66	54	2.0	2°30′	22.9	34.4	45.8	105	128	2.0
	R080	80	68	2.0	1°48′	31.8	47.7	63.6	132	156	2.0
	R100	100	88	2.0	1°12′	47.7	71.6	95.5	172	196	2.0
	R125	125	113	2.0	0°48′	71.6	107.4	143.2	222	246	2.0
R160	160	148	2.0	0°30′	114.6	171.9	229.2	292	316	2.0	