



CHUCK

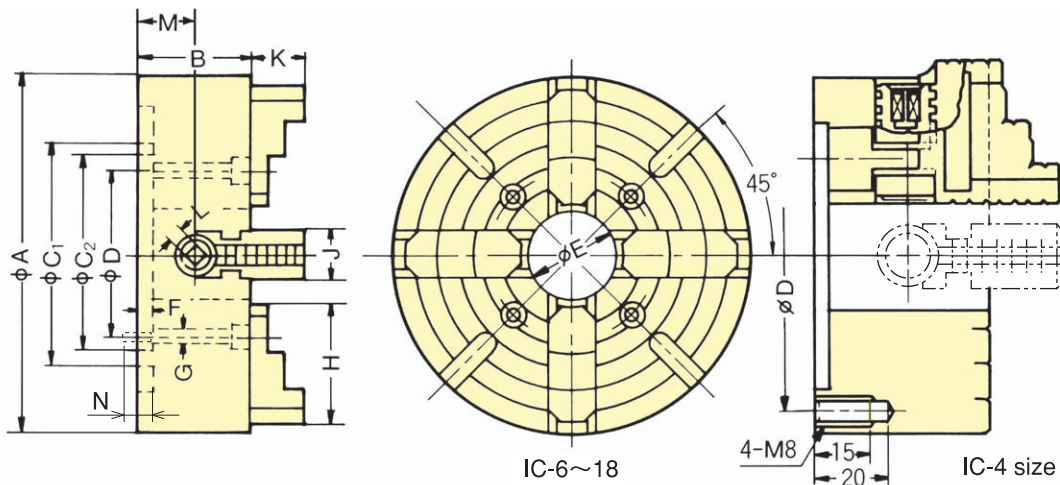
Independent Chuck (Straight Recess) IC series

Independent 4 Jaw Chuck

● Straight recess



Dimensional Drawings



(Note) In IC-4, 6 and 8, there is no T-groove on the chuck surface.

Dimensions

Type	Size	A	B	C ₁	Size	Tolerance	D	E	F	G	H	J	K	Size	L	Tolerance	M	N
	IC-4	IC-6	IC-8	IC-10	IC-12									IC-14				
IC-4	100	48	-	75H7	+0.030	86	30	4	-	40	18	20	6		26	-		
IC-6	150	60	-	130H7		115	40	5	4-M10	55	25	25	8		33	16		
IC-8	200	75	-	175H7	+0.040	155	50	6	4-M12	75	30	30	10		43.5	20		
IC-10	250	80	165	150H7	0	125	55	6	4-M12	90	30	35	10	+0.15	47.5	21		
IC-12	300	90	186	170H7		140	65	6	4-M12	100	35	40	12	+0.05	53	21		
IC-14	350	90	210	190H7		160	75	8	4-M12	110	35	45	12		53	18		
IC-16	400	100	230	210H7	+0.046	180	90	8	4-M16	120	40	50	14		58.5	24		
IC-18	450	105	250	230H7	0	200	100	8	4-M16	130	40	55	14		63.5	24		

Specifications

Type	Spec. Thru-Hole mm	Max. static gripping force		Max gripping dia.		Min. gripping dia. Inner jaw ϕ mm	Chuck		
		Handle torque N·m (kgf·m)	Tightening force of a jaw kN (kgf)	Inner jaw ϕ mm	Outer jaw ϕ mm		Weight kg	Moment of inertia kg·m ²	Max. speed min ⁻¹
IC-4	30	34.0 (3.5)	5.0 (510)	40	90	8	2.4	0.003	2000
IC-6	40	49.0 (5.0)	6.0 (612)	60	140	8	6.1	0.020	1600
IC-8	50	83.0 (8.5)	10.0 (1020)	75	185	14	14.8	0.075	1600
IC-10	55	118.0 (12.0)	14.0 (1428)	95	220	14	21.0	0.150	1600
IC-12	65	147.0 (15.0)	16.0 (1632)	125	265	18	29.5	0.350	1400
IC-14	75	157.0 (16.0)	17.0 (1733)	155	310	20	40.0	0.725	1400
IC-16	90	216.0 (22.0)	20.0 (2039)	190	360	30	56.5	1.125	1200
IC-18	100	216.0 (22.0)	20.0 (2039)	220	405	35	70.0	1.750	1200

※T-slot for jig mounting is provided from IC-10 or more.

※Four mounting bolts are provided. (Except IC-4, chucks are mounted with hexagon socket set screws. Consequently, tap the backplate.)

※One hex wrench is attached for the chuck of each size (except IC-4).