



CHUCK

Independent Chuck (Straight Recess)

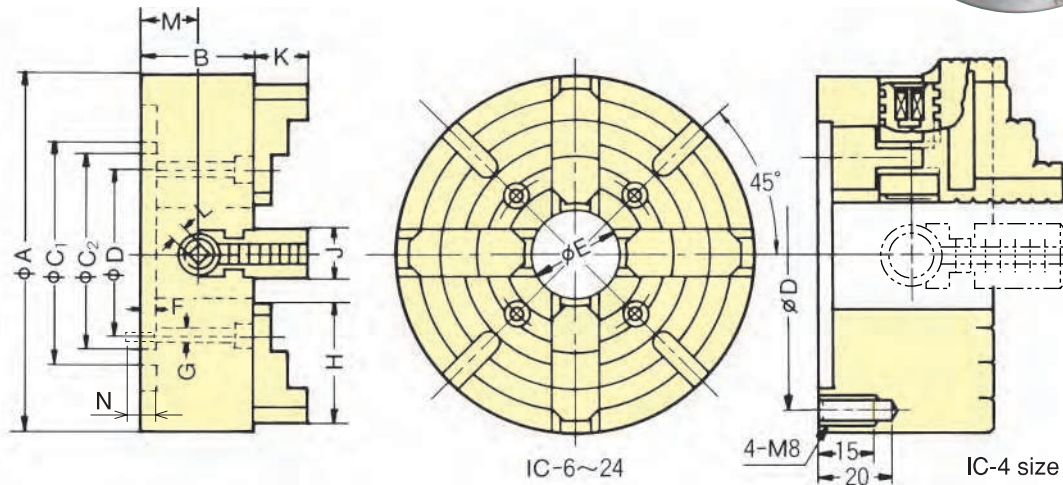
IC series

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	Tolerance	M	N
IC-4	100	48	-	75H7	+0.030	86	30	4	-	40	18	20	6		26	-	
IC-6	150	60	-	130H7	+0.040	115	40	5	4-M10	55	25	25	8	+0.15 +0.05	33	16	
IC-8	200	75	-	175H7		155	50	6	4-M12	75	30	30	10		43.5	20	
IC-10	250	80	165	150H7		125	55	6	4-M12	90	30	35	10		47.5	21	
IC-12	300	90	186	170H7	140	65	6	4-M12	100	35	40	12	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	
IC-20	500	110	272	250H7		220	110	8	4-M16	140	45	60	14		56.5	24	
IC-22	550	115	300	275H7	+0.052	240	115	10	4-M20	150	45	65	14		61.5	28	
IC-24	600	120	330	300H7	0	260	120	10	4-M20	160	50	70	15		65.5	32	
IC-26	660	140	355	325H8	+0.089	275	125	12	8-M16	170	50	80	15	76	23		
IC-28	710	146	382	350H8	0	300	130	12	8-M20	190	55	85	17	73	29		

Specifications ※Mounting of IC26 - 40: 45° pitch 8 pcs.

Type	Spec. Thru-Hole mm	Max. static gripping force		Max gripping dia.		Min. gripping dia.	Chuck		
		Handle torque N·m (kgf·m)	Tightening force of a jaw kN (kgf)	Inner jaw φmm	Outer jaw φmm	Inner jaw φmm	Weight kg	Moment of inertia kg·m ²	Max. speed min ⁻¹ (r.p.m)
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
IC-20	110	245.0 (25.0)	22.0 (2243)	250	450	40	90.0	2.950	900
IC-22	115	245.0 (22.0)	22.0 (2243)	290	500	40	135.0	4.400	900
IC-24	120	275.0 (28.0)	23.0 (2345)	320	550	40	150.0	6.325	900
IC-26	125	294.0 (30.0)	23.0 (2345)	370	610	40	176.0	10.500	900
IC-28	130	294.0 (30.0)	23.5 (2396)	385	650	45	247.0	14.500	900

※A single jaw guide way is used for types from IC-4 to IC24 and a double jaw guide way from IC-26 to IC-40.

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

※Four mounting bolts are provided from IC-4 to IC24 and eight mounting bolts from IC-26 to IC-40. (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).