

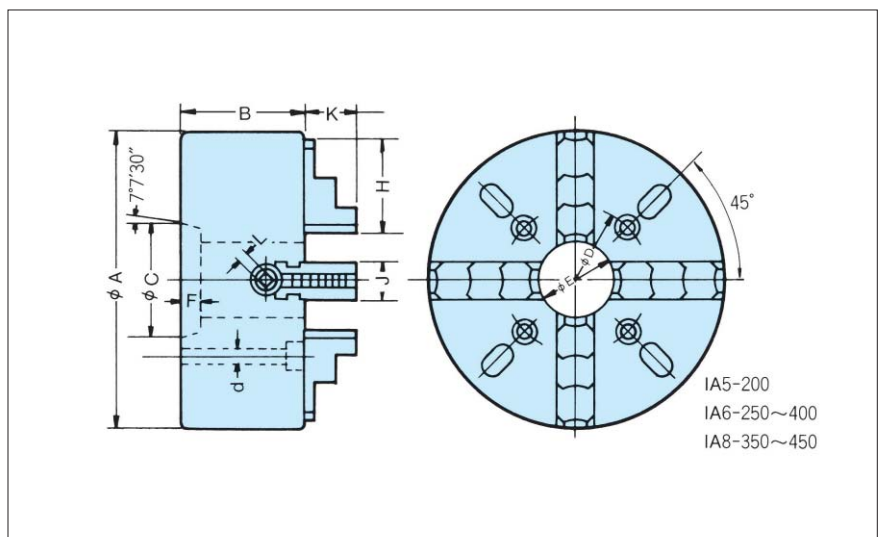


## Independent Chuck

# IA

Short Taper

### Dimension drawing



Chuck for A-type short taper that can be directly mounted without back plate to the spindle accepted to JIS and ISO.

### Dimension table

Spindle nose	Size	A	B	C	D	E	F	H	J	K	L	M (Mounting bolt)	Number of mounting bolts
A <sub>2</sub> -5	IA 5 -200	200	70	82.563	104.8	50	15	75	30	30	10	38.5 M10×75	4
	IA 6 -250	250	77	106.375	133.4	55	17	90	30	35	10	44.5 M12×80	4
A <sub>2</sub> -6	IA 6 -300	300	90	106.375	133.4	65	17	100	35	40	12	53 M12×95	4
	IA 6 -350	350	90	106.375	133.4	75	17	110	35	45	12	53 M12×95	4
	IA 6 -400	400	100	106.375	133.4	75	17	120	40	50	14	58.5 M12×100	4
	IA 6 -450	450	105	106.375	133.4	80	17	130	40	55	14	63.5 M12×110	8
	IA 6 -500	500	109	106.375	133.4	90	17	140	40	60	14	63.5 M12×110	8
	IA 8 -350	350	100	139.719	171.4	75	18.5	120	40	50	14	58.5 M16×105	4
A <sub>2</sub> -8	IA 8 -400	400	105	139.719	171.4	90	18.5	120	40	50	14	58.5 M16×110	4
	IA 8 -450	450	105	139.719	171.4	100	18.5	130	40	55	14	63.5 M16×110	4
	IA 8 -500	500	112	139.719	171.4	110	18.5	140	45	60	14	58.5 M16×115	8
	IA 8 -550	550	110	139.719	171.4	110	18.5	150	45	65	14	56.5 M16×115	8
	IA 8 -610	610	120	139.719	171.4	120	18.5	160	50	70	15	65.5 M16×125	8
A <sub>2</sub> -11	IA11-500	500	130	196.869	235	110	20	140	45	75	14	67.8 M20×140	8
	IA11-550	550	130	196.869	235	110	20	155	45	75	14	67.8 M20×140	8
	IA11-610	610	140	196.869	235	120	20	170	50	80	15	76 M20×150	8
	IA11-710	710	146	196.869	235	130	20	190	55	85	19	73 M20×150	8
	IA11-750	750	160	196.869	235	130	20	190	60	90	21	82 M20×170	8
	IA11-915	915	160	196.869	235	150	20	210	60	95	21	82 M20×170	8
A <sub>2</sub> -15	IA15-710	710	160	285.775	330.2	140	22	190	60	80	26	82 M22×170	8

### Specifications

Spindle nose	Spec.	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	GD <sup>2</sup> N·m <sup>2</sup> (kgf·m <sup>2</sup> )	Max. speed min <sup>-1</sup> (r.p.m)
A <sub>2</sub> -5	IA 5 -200	83( 8.5 )	10(1020)	75	185	14	14.9	3.14( 0.32 )	3600
	IA 6 -250	118(12 )	15(1530)	95	220	14	24.2	7.35( 0.75 )	3000
A <sub>2</sub> -6	IA 6 -300	147(15 )	16(1632)	125	265	18	39.1	15.6 ( 1.6 )	2000
	IA 6 -350	147(15 )	16(1632)	155	310	20	50.9	29.4 ( 3.0 )	2000
	IA 6 -400	216(22 )	20(2039)	190	360	30	69.8	46.0 ( 4.7 )	1800
	IA 6 -450	245(25 )	23(2345)	220	405	35	97.2	69.5 ( 7.1 )	1200
	IA 6 -500	245(25 )	23(2345)	250	450	40	103.5	132 ( 13.5 )	1200
	IA 8 -350	216(22 )	20(2039)	155	310	20	56.2	30.3 ( 3.1 )	2000
A <sub>2</sub> -8	IA 8 -400	245(25 )	23(2345)	190	360	30	73.8	49.0 ( 5.0 )	1800
	IA 8 -450	245(25 )	23(2345)	220	405	35	102.5	71.5 ( 7.3 )	1200
	IA 8 -500	245(25 )	23(2345)	250	450	40	108.4	139 ( 14.2 )	1200
	IA 8 -550	245(25 )	23(2345)	290	500	40	123	157 ( 16.1 )	1200
	IA 8 -610	275(28 )	23(2345)	320	550	40	136	223 ( 22.8 )	1100
A <sub>2</sub> -11	IA11-500	216(22 )	19(1937)	250	450	40	130	165 ( 16.9 )	1200
	IA11-550	216(22 )	19(1937)	290	500	40	145	185 ( 18.9 )	1100
	IA11-610	275(28 )	23(2345)	320	550	40	204	338 ( 34.5 )	900
	IA11-710	392(40 )	30(3059)	385	650	45	257	588 ( 60.0 )	800
	IA11-750	451(46 )	30(3059)	435	700	45	300	839 ( 85.7 )	800
	IA11-915	451(46 )	30(3059)	555	850	60	440	1808 (184.5 )	600
A <sub>2</sub> -15	IA15-710	559(57 )	30(3773)	630	940	80	570	2824 (288.2 )	600

\* Mounting of IA-6-450, IA500 or more : 45° pitch, 8 pcs.