



**CHUCK**

# Independent Chuck (Short Taper)

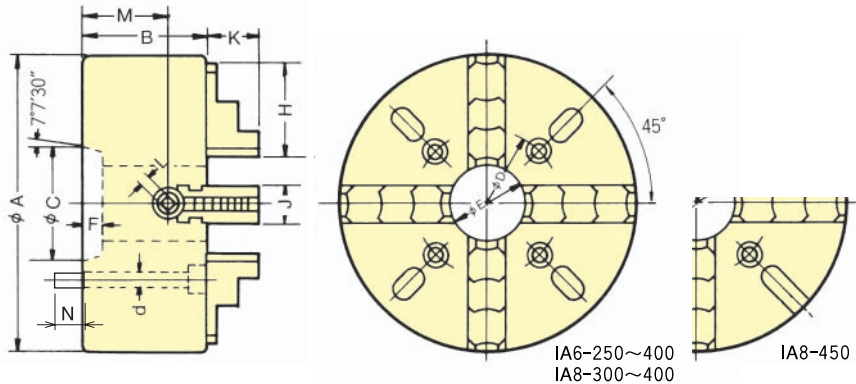
## IA series

### Independent 4 Jaw Chuck

- Chuck for short taper that can be directly mounted without back plate.



#### Dimensional Drawings



#### Dimensions

Spindle nose	Type	Size	Dimensions (mm)													(Mounting bolt)	Number of mounting bolts
			A	B	C	D	E	F	H	J	K	L	M	N			
A <sub>2</sub> - 5	IA 5 -200	200	70	82.563	104.8	50	15	75	30	30	10	38.5	17	M10×75	4		
	IA 6 -250	250	77	106.375	133.4	55	17	90	30	35	10	44.5	17	M12×80	4		
A <sub>2</sub> - 6	IA 6 -300	300	90	106.375	133.4	65	17	100	35	40	12	53	19	M12×95	4		
	IA 6 -350	350	90	106.375	133.4	75	17	110	35	45	12	53	19	M12×95	4		
	IA 6 -400	400	100	106.375	133.4	75	17	120	40	50	14	58.5	17	M12×100	4		
	IA 6 -450	450	105	106.375	133.4	80	17	130	40	55	14	63.5	20	M12×110	8		
	IA 6 -500	500	109	106.375	133.4	90	17	140	40	60	14	63.5	16	M12×110	8		
A <sub>2</sub> - 8	IA 8 -300	300	100	139.719	171.4	75	18.5	120	40	50	14	58.5	24	M16×105	4		
	IA 8 -350	350	100	139.719	171.4	75	18.5	120	40	50	14	58.5	24	M16×105	4		
	IA 8 -400	400	105	139.719	171.4	90	18.5	120	40	50	14	58.5	24	M16×110	4		
	IA 8 -450	450	105	139.719	171.4	100	18.5	130	40	55	14	63.5	24	M16×110	4		
	IA 8 -500	500	112	139.719	171.4	110	18.5	140	45	60	14	58.5	22	M16×115	8		
	IA 8 -550	550	110	139.719	171.4	110	18.5	150	45	65	14	56.5	24	M16×115	8		
A <sub>2</sub> - 11	IA 8 -610	610	120	139.719	171.4	120	18.5	160	50	70	15	65.5	24	M16×125	8		
	IA11-500	500	130	196.869	235	110	22	140	45	75	14	67.8	31.5	M20×140	8		
	IA11-550	550	130	196.869	235	110	20	155	45	75	14	67.8	31.5	M20×140	8		
	IA11-610	610	140	196.869	235	120	20	170	50	80	15	76	31.5	M20×150	8		
	IA11-710	710	146	196.869	235	130	20	190	55	85	19	73	29	M20×150	8		

#### Specifications ※Mounting of IA-6-450, 500 or more : 45° pitch, 8 pcs.

Spindle nose	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 <sup>2</sup>	Max. speed min <sup>-1</sup> (r.p.m)	
A <sub>2</sub> - 5	IA 5 -200		50	83.0( 8.5)	10(1020)	75	185	14	14.9	0.080	3600	
	IA 6 -250		55	118.0(12.0)	15(1530)	95	220	14	24.2	0.188	3000	
A <sub>2</sub> - 6	IA 6 -300		65	147.0(15.0)	16(1632)	125	265	18	39.1	0.400	2000	
	IA 6 -350		75	147.0(15.0)	16(1632)	155	310	20	50.9	0.750	2000	
	IA 6 -400		75	216.0(22.0)	20(2039)	190	360	30	69.8	1.175	1800	
	IA 6 -450		80	245.0(25.0)	23(2345)	220	405	35	97.2	1.775	1200	
	IA 6 -500		90	245.0(25.0)	23(2345)	250	450	40	103.5	3.380	1200	
A <sub>2</sub> - 8	IA 8 -300		75	147.0(15.0)	16(1632)	125	265	18	39.1	0.400	2000	
	IA 8 -350		75	216.0(22.0)	20(2039)	155	310	20	56.2	0.775	2000	
	IA 8 -400		90	245.0(25.0)	23(2345)	190	360	30	73.8	1.250	1800	
	IA 8 -450		100	245.0(25.0)	23(2345)	220	405	35	102.5	1.825	1200	
	IA 8 -500		110	245.0(25.0)	23(2345)	250	450	40	108.4	3.550	1200	
	IA 8 -550		110	245.0(25.0)	23(2345)	290	500	40	123	4.025	1200	
A <sub>2</sub> - 11	IA 8 -610		120	275.0(28.0)	23(2345)	320	550	40	136	5.700	1100	
	IA11-500		110	216.0(22.0)	19(1937)	250	450	40	130	4.225	1200	
	IA11-550		110	216.0(22.0)	19(1937)	290	500	40	145	4.725	1100	
	IA11-610		120	275.0(28.0)	23(2345)	320	550	40	204	8.625	900	
	IA11-710		130	392.0(40.0)	30(3059)	385	650	45	257	15.000	800	