



**CHUCK**

# Closed Centre Power Chuck

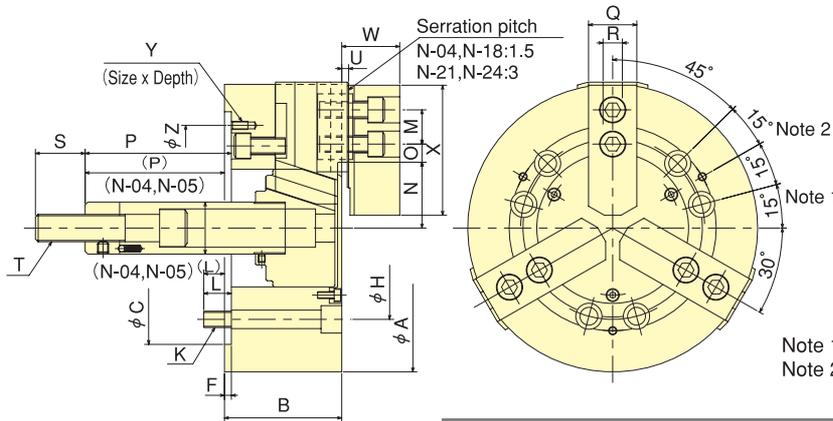
## N series

### Closed Centre Standard Chuck

#### The standard Closed Centre chuck

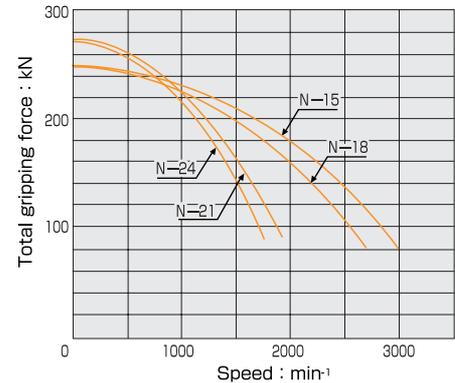
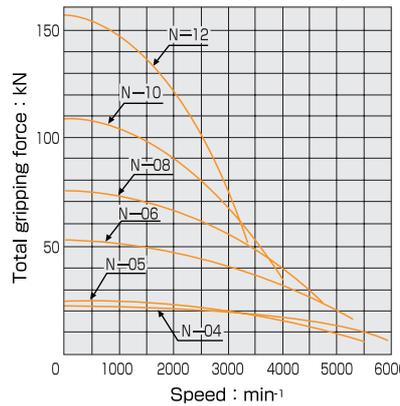


#### Dimensional Drawings



#### Gripping Characteristic Graphs

※With standard blank soft top jaw.



#### Dimensions

※Mounting bolt P. C. D. for N-04 & N-05 : 120° pitch : 3 pcs. ※Mounting bolt P. C. D. for N-21 & N-24 : 60° pitch : 6pcs.

Dimensions Model	A	B	C (H6)	F	H	J	K	L	M	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S	T	U	V	W	X	Y	Z
N-04	110	52	60	6	80	-	3-M8	12	14	23.3	20.1	11.25	8.25	18	3	23	10	25	M10×1.5	3	26	27	55	-	-
N-05	135	55	80	7	100	-	3-M8	14	19	30.4	27.2	11.25	6.75	9	-6	23	10	35	M12×1.75	3	28	29	62	-	-
N-06	165	74	140	5	104.8	21	6-M10	14	20	37.8	33.55	13.75	7.75	10.5	8.15	31	12	36	M16×2.0	4	34	35	72	M6×10	116
N-08	210	85	170	5	133.4	25	6-M12	20	25	46.3	41.9	22.25	11.75	12.7	10.6	35	14	36	M20×2.5	5	38	42	95	M6×12	150
N-10	254	89	220	5	171.4	34	6-M16	18	30	51.1	46.7	30.75	11.25	15.8	13.3	40	16	36	M20×2.5	5	45	46	110	M8×15	190
N-12	304	106	220	6	171.4	34	6-M16	18	30	61	55.75	48.75	12.75	16.3	13.3	50	18	36	M20×2.5	5	50	54	129	M8×15	190
N-15	381	114	300	6	235.0	-	6-M20	30	43	77.5	69.5	48.75	23.25	10.4	6.9	50	25.5	55	M30×3.5	2	60	61	135	M10×20	260
N-18	450	114	300	6	235.0	-	6-M20	30	43	108	100	48.75	23.25	9.2	5.7	50	25.5	55	M30×3.5	2	60	61	135	M10×20	260
N-21	530	125	380	6	330.2	-	6-M22	31	60	86	78	93.5	27.5	9.7	6.2	65	25	55	M30×3.5	3	60	71	180	M12×30	330.2
N-24	610	125	380	6	330.2	-	6-M22	31	60	125	117	93.5	27.5	9.7	6.2	65	25	55	M30×3.5	3	60	71	180	M12×30	330.2

#### Specifications

※Max. speed is shown using actual test data. ※For large type more than N-24, confer with KITAGAWA.

Specifications Model	Gripping range mm Max. Min.	Jaw Stroke (diameter) mm	Plunger Stroke mm	Max. Draw bar Pull Force kN (kgf)	Max. Gripping Force kN (kgf)	Max. Speed min⁻¹ (r.p.m)	Net Weight with soft top jaws kg	Moment of inertia kg·m²	Matching Cylinder pressure	air	Max. pressure MPa (kgf/cm²)	Matching Hard top jaw	Matching Soft top jaw
N-04	110 8	6.4	15	8.2 (836)	22.8 (2325)	6000	4.1	0.008	Y0715R	AY-1315R	2.40 (24.5)	-	SB04B1
N-05	135 16	6.4	15	8.2 (836)	25.2 (2570)	5500	6.2	0.015	Y0715R	AY-1315R	2.40 (24.5)	HB05C1	SB05B1
N-06	165 19	8.5	20	18.0 (1835)	52.5 (5353)	5270	13.0	0.045	Y1020R	AY-1720R	2.60 (26.5)	HB06B1	SB06B1
N-08	210 23	8.8	21	25.0 (2549)	75.0 (7648)	4760	25.0	0.138	Y1225R	AY-2225R	2.50 (25.5)	HB08A1	SB08B1
N-10	254 24	8.8	25	29.0 (2957)	108.0 (11013)	4010	37.0	0.300	Y1225R	AY-2225R	2.80 (28.6)	HB10A1	SB10B1
N-12	304 26	10.5	30	41.0 (4181)	156.0 (15907)	3380	57.3	0.725	Y1530R	-	2.70 (27.5)	HB12B1	SB12A1
N-15	381 72	16	35	82.0 (8362)	249.0 (25391)	3040	96.0	1.800	Y2035R	-	3.20 (32.6)	HB15N1	SB15N1
N-18	450 133	16	35	82.0 (8362)	249.0 (25391)	2710	124.0	2.350	Y2035R	-	3.20 (32.6)	HB15N1	SB15N1
N-21	530 62	16	35	82.0 (8362)	273.0 (27838)	1940	180.0	4.800	Y2035R	-	3.20 (32.6)	HB18B2	SB18A2
N-24	610 152	16	35	82.0 (8362)	273.0 (27838)	1760	223.0	6.925	Y2035R	-	3.20 (32.6)	HB18B2	SB18A2