



CHUCK

Closed Centre Power Chuck

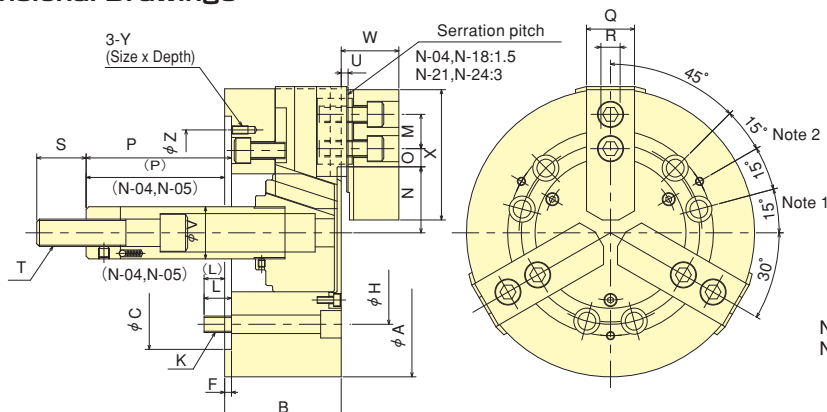
N series

The standard Closed Centre chuck

*CE correspondence

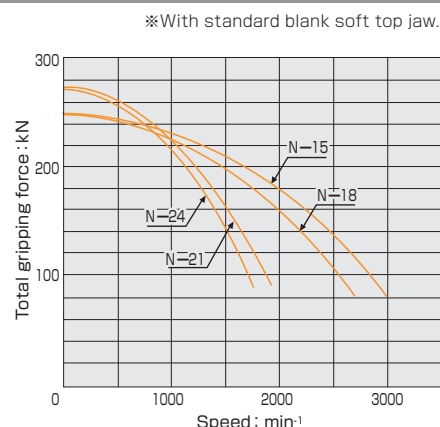
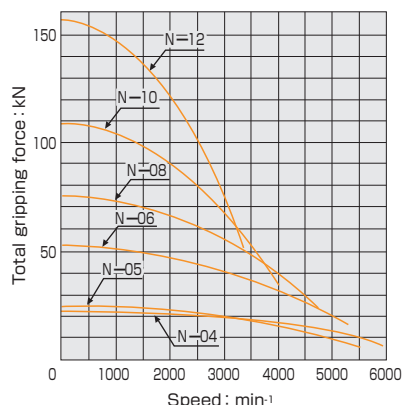


Dimensional Drawings



Note 1) N-21, 24 : 0°
Note 2) N-21, 24 : 60°

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 : 6 pcs.

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	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	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	101.5	81.5	31	12	36	M16	4	34	35	72	M6x10	116
N-08	210	85	170	5	133.4	25	6-M12	20	25	46.3	41.9	22.25	11.75	127	106	35	14	36	M20	5	38	42	95	M6x12	150
N-10	254	89	220	5	171.4	34	6-M16	18	30	51.1	46.7	30.75	11.25	158	133	40	16	36	M20	5	45	46	110	M8x15	190
N-12	304	106	220	6	171.4	34	6-M16	18	30	61	55.75	48.75	12.75	163	133	50	18	36	M20	5	50	54	129	M8x15	190
N-15	381	114	300	6	235	-	6-M20	30	43	77.5	69.5	48.75	23.25	104	69	50	25.5	55	M30	2	60	61	135	M10x20	260
N-18	450	114	300	6	235	-	6-M20	30	43	108	100	48.75	23.25	92	57	50	25.5	55	M30	2	60	61	135	M10x20	260
N-21	530	125	380	6	330.2	-	6-M22	31	60	86	78	93.5	27.5	97	62	65	25	55	M30	3	60	71	180	M12x30	330.2
N-24	610	125	380	6	330.2	-	6-M22	31	60	125	117	93.5	27.5	97	62	65	25	55	M30	3	60	71	180	M12x30	330.2

Specifications

*Max. speed is shown using actual test data. *For large type more than N-24, confer with KITAGAWA.
*Gripping dia./gripping range is with standard soft jaws.

Model	Specifications		Jaw Stroke (diameter) mm	Plunger Stroke mm	Max. Draw Bar Pull Force kN	Max. Gripping Force kN	Max. Speed min ⁻¹	Net Weight with Soft top jaws kg	Moment of inertia kg·m ²	Matching Cylinder		Max. pressure MPa	Matching Hard top jaw	Matching Soft top jaw
	Gripping range mm	Max. Min.								pressure	air			
N-04	110	6	6.4	15	8.2	22.8	6000	4.1	0.008	Y0715R/RE01C	AY1315R	2.4	HB04N1	SJ04B1
N-05	135	16	6.4	15	8.2	25.2	5500	6.2	0.015	Y0715R/RE01C	AY1315R	2.4	HB05C1	SJ05B1
N-06	165	15	8.5	20	18	52.5	5270	13	0.045	Y1020R/RE47	AY1720R	2.6	HB06B1	SJ06B1
N-08	210	23	8.8	21	25	75	4760	25	0.138	Y1225R/RE47	AY2225R	2.5	HB08A1	SJ08B1
N-10	254	24	8.8	25	29	108	4010	37	0.300	Y1225R/RE47	AY2225R	2.8	HB10A1	SJ10B1
N-12	304	26	10.5	30	41	156	3380	57.3	0.725	Y1530R/RE47	-	2.7	HB12B1	SJ12A1
N-15	381	72	16	35	82	249	3040	101	1.9	Y2035R/RE47	-	3.2	HB15N1	SJ15N1
N-18	450	133	16	35	82	249	2710	126	3.3	Y2035R/RE47	-	3.2	HB15N1	SJ15N1
N-21	530	69	16	35	82	273	1940	198	7.1	Y2035R/RE47	-	3.2	HB18B2	SJ18A2
N-24	610	152	16	35	82	273	1760	252	12.0	Y2035R/RE47	-	3.2	HB18B2	SJ18A2



CHUCK

Closed Centre Power Chuck (Direct Mount)

N-A series

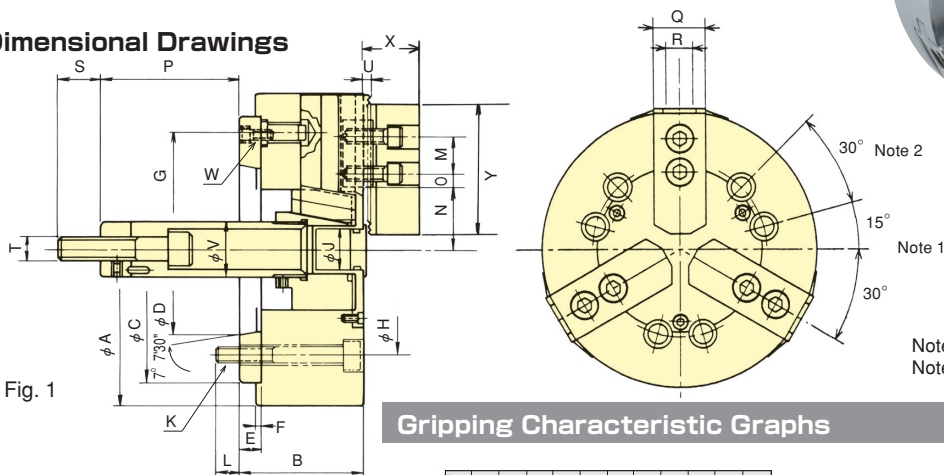
Chuck Adaptor is equipped to suit Spindle Nose
Closed Centre standard chuck

*CE correspondence

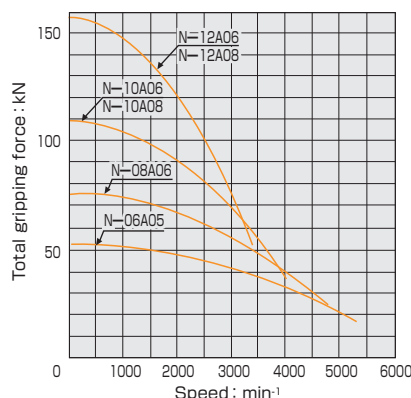


Standard Chuck

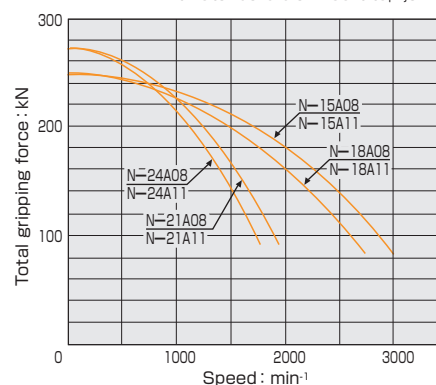
Dimensional Drawings



Gripping Characteristic Graphs



*With standard blank soft top jaw.



Dimensions

*N-10A06, N-12A06, N-15A08, N-18A08, N-21A08, N-21A11, N-24A11 are referred to in Fig-2 *Mounting Bolt P.C.D for N-21A08~N-24A15 : 60° Pitch : 6pcs.

Model	A	B	C	D	E	F	G	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
N-06A05	165	84	140	82.563	15	5	116	104.8	21	6-M10	14	20	37.8	33.55	13.75	7.75	86.5	66.5	31	12	36	M16	4	34	3-M6	35	72
N-08A06	210	97	170	106.375	17	5	150	133.4	25	6-M12	18	25	46.3	41.9	22.25	11.75	110	89	35	14	36	M20	5	38	3-M6	42	96
N-10A06	254	104	220	106.375	20	5	171.4	133.4	34	6-M12	18	30	51.1	46.7	30.75	11.25	114	89	40	16	36	M20	5	45	6-M16	46	110
N-10A08	254	102	220	139.719	18	5	190	171.4	34	6-M16	25	30	51.1	46.7	30.75	11.25	140	115	40	16	36	M20	5	45	3-M8	46	110
N-12A06	304	120	220	106.375	20	6	171.4	133.4	34	6-M12	18	30	61	55.75	48.75	12.75	119	89	50	18	36	M20	5	50	6-M16	54	129
N-12A08	304	118	220	139.719	18	6	190	171.4	34	6-M16	25	30	61	55.75	48.75	12.75	145	115	50	18	36	M20	5	50	3-M8	54	129
N-15A08	381	130	300	139.719	22	6	235	171.4	-	6-M16	23	43	77.5	69.5	48.75	23.25	82	47	50	25.5	55	M30	2	60	6-M20	61	135
N-15A11	381	130	300	196.869	22	6	260	235	-	6-M20	33	43	77.5	69.5	48.75	23.25	82	47	50	25.5	55	M30	2	60	3-M10	61	135
N-18A08	450	130	300	139.719	22	6	235	171.4	-	6-M16	23	43	108	100	48.75	23.25	70	35	50	25.5	55	M30	2	60	6-M20	61	135
N-18A11	450	130	300	196.869	22	6	260	235	-	6-M20	33	43	108	100	48.75	23.25	70	35	50	25.5	55	M30	2	60	3-M10	61	135
N-21A08	530	146	380	139.719	27	6	330.2	171.4	-	6-M16	23	60	86	78	93.5	27.5	70	35	65	25	55	M30	3	60	6-M22	71	180
N-21A11	530	146	380	196.869	27	6	330.2	235	-	6-M20	28	60	86	78	93.5	27.5	70	35	65	25	55	M30	3	60	6-M22	71	180
N-21A15	530	146	380	285.775	27	6	330.2	330.2	-	6-M22	34	60	86	78	93.5	27.5	70	35	65	25	55	M30	3	60	3-M12	71	180
N-24A11	610	146	380	196.869	27	6	330.2	235	-	6-M20	28	60	125	117	93.5	27.5	70	35	65	25	55	M30	3	60	6-M22	71	180
N-24A15	610	146	380	285.775	27	6	330.2	330.2	-	6-M22	34	60	125	117	93.5	27.5	70	35	65	25	55	M30	3	60	3-M12	71	180

Specifications

*Max. speed is shown using actual test data. *Gripping dia./gripping range is with standard soft jaws.

Model	Gripping range mm		Jaw Stroke (diameter) mm	Plunger Stroke mm	Max. Draw Bar Pull Force kN	Max. Gripping Force kN	Max. Speed min⁻¹	Net Weight with Soft top jaws kg	Moment of inertia kg·m²	Matching Cylinder		Max. pressure MPa	Matching Hard top jaw	Matching Soft top jaw	Spindle nose size
	Max.	Min.								pressure	air				
N-06A05	165	15	8.5	20	18	52.5	5270	1.4	0.050	Y1020R/RE47	AY1720R	2.6	HB06B1	SJ06B1	A2-5
N-08A06	210	23	8.8	21	25	75	4760	2.7	0.148	Y1225R/RE47	AY2225R	2.5	HB08A1	SJ08B1	A2-6
N-10A06	254	24	8.8	25	29	108	4010	4.0	0.335	Y1225R/RE47	AY2225R	2.8	HB10A1	SJ10B1	A2-6
N-10A08	254	24	8.8	25	29	108	4010	4.0	0.328	Y1225R/RE47	AY2225R	2.8	HB10A1	SJ10B1	A2-8
N-12A06	304	26	10.5	30	41	156	3380	6.7	0.760	Y1530R/RE47	-	2.7	HB12B1	SJ12A1	A2-6
N-12A08	304	26	10.5	30	41	156	3380	6.6	0.753	Y1530R/RE47	-	2.7	HB12B1	SJ12A1	A2-8
N-15A08	381	72	16	35	82	249	3040	11.1	2.0	Y2035R/RE47	-	3.2	HB15N1	SJ15N1	A2-8
N-15A11	381	72	16	35	82	249	3040	10.8	2.0	Y2035R/RE47	-	3.2	HB15N1	SJ15N1	A2-11
N-18A08	450	133	16	35	82	249	2710	13.6	3.4	Y2035R/RE47	-	3.2	HB15N1	SJ15N1	A2-8
N-18A11	450	133	16	35	82	249	2710	13.3	3.4	Y2035R/RE47	-	3.2	HB15N1	SJ15N1	A2-11
N-21A08	530	69	16	35	82	273	1940	21.9	7.5	Y2035R/RE47	-	3.2	HB18B2	SJ18A2	A2-8
N-21A11	530	69	16	35	82	273	1940	21.6	7.5	Y2035R/RE47	-	3.2	HB18B2	SJ18A2	A2-11
N-21A15	530	69	16	35	82	273	1940	22.5	7.7	Y2035R/RE47	-	3.2	HB18B2	SJ18A2	A2-15
N-24A11	610	152	16	35	82	273	1760	27.0	12.4	Y2035R/RE47	-	3.2	HB18B2	SJ18A2	A2-11
N-24A15	610	152	16	35	82	273	1760	26.3	12.3	Y2035R/RE47	-	3.2	HB18B2	SJ18A2	A2-15