CHUCK

Closed Centre Power Chuck (Long Stroke)

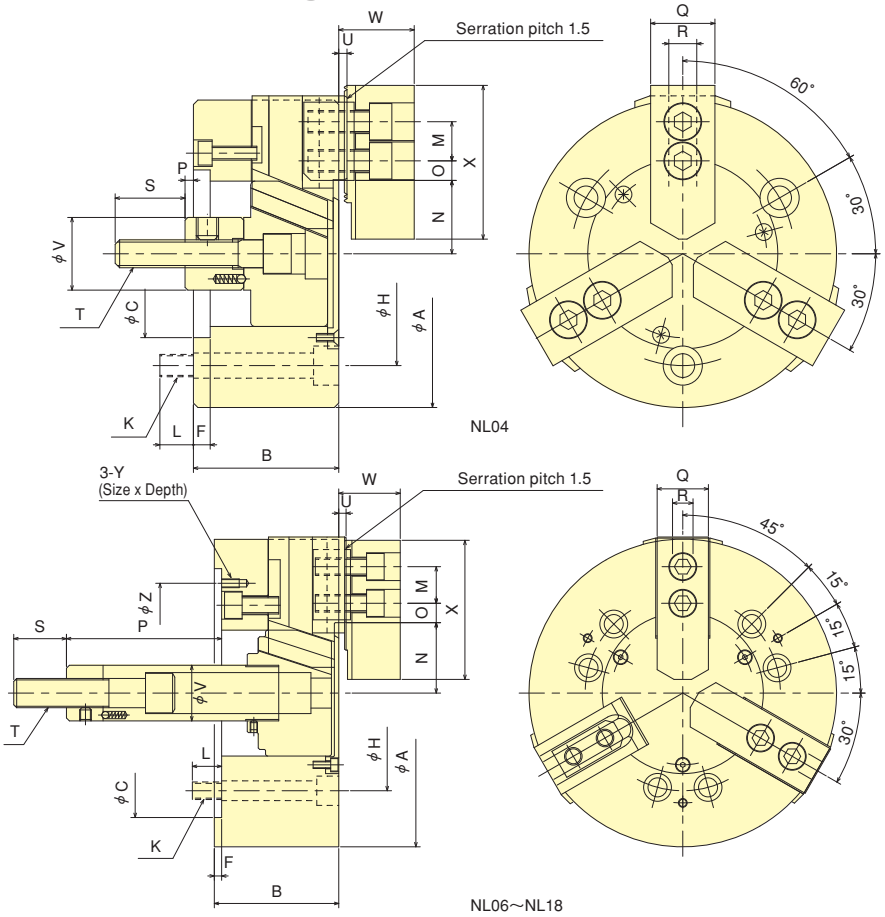
NL series

Extra Long Jaw Stroke

Flange work-pieces securely gripped

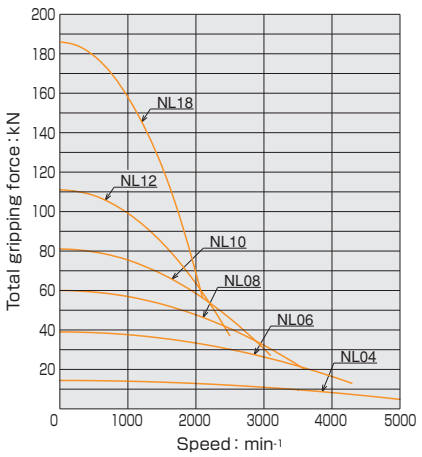
∗CE correspondence

■ Dimensional Drawings



Gripping Characteristic Graphs

※With standard blank soft top jaw.



■ Dimensions

Model \ Dimensions	A	B	C (H6)	F	H	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
NL04	110	52	60	6	80	3-M 8	12	14	26.5	20.45	9.75	6.75	18	3	23	10	25	M10	3	26	27	55	–	–
NL06	165	74	140	5	104.8	6-M10	14	20	40.5	34	13.75	9.25	101.5	81.5	31	12	36	M16	4	34	35	72	M6×10	116
NL08	210	85	170	5	133.4	6-M12	20	25	48.1	40	20.75	11.75	131	106	35	14	36	M20	5	38	42	95	M6×12	150
NL10	254	89	220	5	171.4	6-M16	18	30	54.4	45.35	29.5	11.5	161	133	40	16	36	M20	5	45	46	110	M8×15	190
NL12	304	106	220	6	171.4	6-M16	18	30	65.7	56	42.75	12.75	47	17	50	18	46	M24	5	50	54	129	M8×15	190
NL18	450	114	300	6	235	6-M20	30	43	110.5	97.5	47.25	23.25	97	57	50	25.5	55	M30	2	55	61	135	M10×20	260

※When using NL18, a special cylinder is required.

■ Specifications

※Gripping dia./gripping range is with standard soft jaws.

Model \ Specifications	Gripping range mm Max.	Gripping range mm Min.	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 Soft top jaw	Matching Hard top jaw
NL04	110	9	12.1	15	10	14.4	5000	4.1	0.008	Y0715R/RE01C	2.9	SJ04B1	–
NL06	165	21	13	20	21	39	4300	12	0.045	Y1020R/RE47	3.0	SJ06B1	HB06B1
NL08	210	21	16.2	25	30	60	3600	22.9	0.138	Y1225R/RE47	2.9	SJ08B1	HB08A1
NL10	254	24	18.1	28	40	81	3100	34.6	0.300	Y1530R/RE47	2.8	SJ10A1	HB10A1
NL12	304	29	19.4	30	54	111	2500	60	0.725	Y1530R/RE47	3.6	SJ12A1	HB12B1
NL18	450	122	26	40	91	186	2100	124	2.35	Y2035RE47※	3.5	SJ15N1	–

CHUCK

Closed Centre Power Chuck (Long Stroke, Direct Mount)

NL-A series

Chuck Adaptor is equipped to suit Spindle Nose Flange work-pieces securely gripped

＊CE correspondence

■ Dimensional Drawings

Fig.2

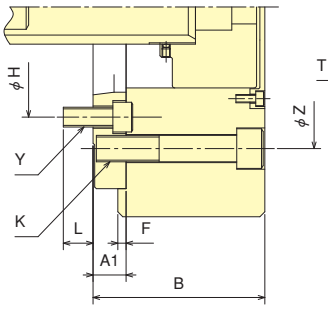
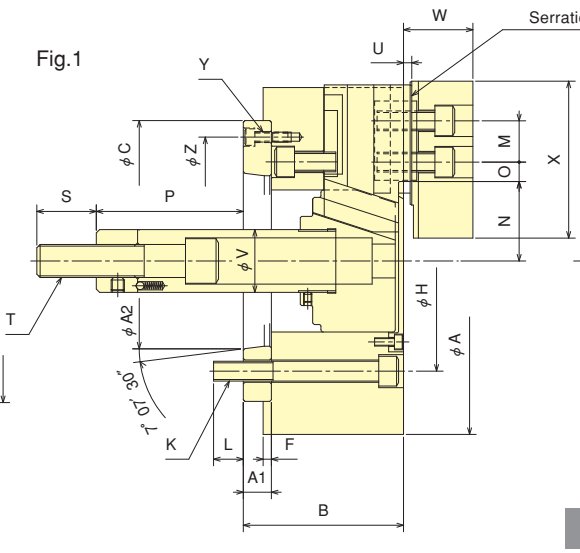
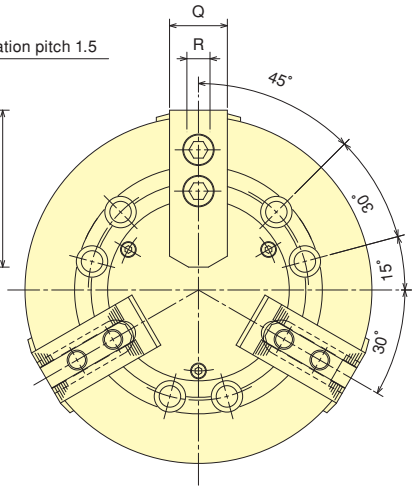


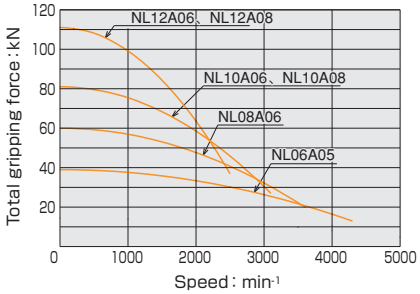
Fig.1





Gripping Characteristic Graphs

※With standard blank soft top jaw.



■ Dimensions

※NL10A06 and NL12A06 are based on Fig. 2.

Model \ Dimensions	A	B	C	F	H	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	A1	A2
NL06A05	165	84	140	5	104.8	6-M10	14	20	40.5	34	13.75	9.25	86.5	66.5	31	12	36	M16	4	34	35	72	3-M6	116	15	82.563
NL08A06	210	97	170	5	133.4	6-M12	18	25	48.1	40	20.75	11.75	114	89	35	14	36	M20	5	38	42	95	3-M6	150	17	106.375
NL10A06	254	104	220	5	133.4	6-M16	18	30	54.4	45.35	29.5	11.5	141	113	40	16	36	M20	5	45	46	110	6-M12	171.4	20	106.375
NL10A08	254	102	220	5	171.4	6-M16	25	30	54.4	45.35	29.5	11.5	143	115	40	16	36	M20	5	45	46	110	3-M8	190	18	139.719
NL12A06	304	120	220	6	133.4	6-M16	18	30	65.7	56	42.75	12.75	3	−27	50	18	46	M24	5	50	54	129	6-M12	171.4	20	106.375
NL12A08	304	118	220	6	171.4	6-M16	25	30	65.7	56	42.75	12.75	1	−29	50	18	46	M24	5	50	54	129	3-M8	190	18	139.719

■ Specifications

※Gripping dia./gripping range is with standard soft jaws.

Model \ Specifications	Gripping range mm Max.	Gripping range mm Min.	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 Soft top jaw	Matching Hard top jaw	Spindle nose size
NL06A05	165	21	13	20	21	39	4300	12.5	0.048	Y1020R/RE47	3.0	SJ06B1	HB06B1	A2-5
NL08A06	210	21	16.2	25	30	60	3600	24.5	0.148	Y1225R/RE47	2.9	SJ08B1	HB08A1	A2-6
NL10A06	254	24	18.1	28	40	81	3100	40	0.335	Y1530R/RE47	2.8	SJ10A1	HB10A1	A2-6
NL10A08	254	24	18.1	28	40	81	3100	37.6	0.326	Y1530R/RE47	2.8	SJ10A1	HB10A1	A2-8
NL12A06	304	29	19.4	30	54	111	2500	64.6	0.759	Y1530R/RE47	3.6	SJ12A1	HB12B1	A2-6
NL12A08	304	29	19.4	30	54	111	2500	63	0.750	Y1530R/RE47	3.6	SJ12A1	HB12B1	A2-8