

KITAGAWA®

N SERIES

CLOSED CENTER POWER CHUCKS

Three-jaw wedge style power chuck with closed center. Cost effective solutions for high speed chucking and universal machining where no thru-hole is required. These deliver consistent accuracy and repetitive chucking.

Special Features:

- * High Speed
- * Compact and Lightweight
- * Strong Clamping Force
- * Direct Mount
- * Interchangeable Top Tooling
- * High Accuracy and High Endurance

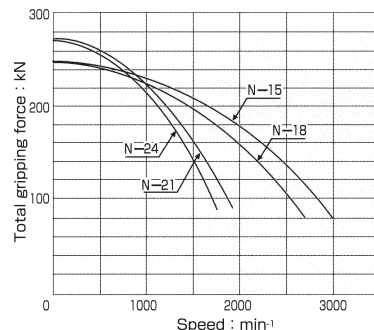
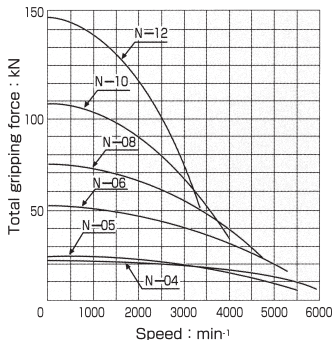
MODEL	UNIT	N04	N05	N06A05	N08A06	N10A06	N10A08	N12A06	N12A08	N15A08	N15A11
SPINDLE NOSE	----	2.362	3.150	A2-5	A2-6	A2-6	A2-8	A2-6	A2-8	A2-8	A2-11
JAW STROKE (DIA)	IN.	0.252	0.252	0.335	0.346	0.346	0.346	0.413	0.413	0.630	0.630
PLUNGER STROKE	IN.	0.590	0.590	0.787	0.827	0.984	0.984	1.181	1.181	1.378	1.378
MAX DRAW BAR PULL FORCE	LBS.	1,842	1,842	4,037	5,608	6,505	6,505	9,198	9,198	18,396	18,396
MAX GRIPPING FORCE	LBS	5,123	5,664	11,777	16,826	24,229	24,229	34,995	34,995	55,860	55,860
MAX SPEED	RPM	6,000	5,500	5,270	4,760	4,010	4,010	3,380	3,380	3,040	3,040
NET WEIGHT (1)	LBS	9	13.6	30.8	59.4	88.0	88.0	147.4	145.2	231.0	226.6
GD2	LBS FT2	----	----	4.0	11.8	26.8	26.2	60.8	60.2	156.0	150.0
MATCHING CYLINDER	----	Y0715R	Y0715R	Y1020R	Y1225R	Y1225R	Y1225R	Y1530R	Y1530R	Y2035R	Y2035R

(1) WITH SOFT TOP JAW

MODEL	UNIT	N18A08	N18A11	N21A08	N21A11	N21A15	N24A11	N24A15
SPINDLE NOSE	----	A2-8	A2-11	A2-8	A2-11	A2-15	A2-11	A2-15
JAW STROKE (DIA)	IN.	0.630	0.630	0.630	0.630	0.630	0.630	0.630
PLUNGER STROKE	IN.	1.378	1.378	1.378	1.378	1.378	1.378	1.378
MAX DRAW BAR PULL FORCE	LBS.	18,396	18,396	18,396	18,396	18,396	18,396	18,396
MAX GRIPPING FORCE	LBS	55,860	55,860	61,244	61,244	61,244	61,244	61,244
MAX SPEED	RPM	2,710	2,710	1,940	1,940	1,940	1,760	1,760
NET WEIGHT (1)	LBS	294.8	288.2	442.2	435.6	418.0	530.2	514.8
GD2	LBS FT2	198.0	194.0	414.0	410.0	398.0	590.0	564.0
MATCHING CYLINDER	----	Y2035R	Y2035R	Y2035R	Y2035R	Y2035R	Y2035R	Y2035R

(1) WITH SOFT TOP JAW

N-28, N-32 AND N-40 SPECIFICATIONS AVAILABLE UPON REQUEST.



Note: Specifications subject to change without notice due to ongoing research and development.

Model N Series Chucks are manufactured from high grade alloy steel. All sliding surfaces are hardened and ground to assure consistent accuracy and performance. Lubrication nipple in each base jaw.

Master Jaw Serration:

Chuck Size 6" to 18" 1.5mm x 60 degree
 Chuck Size 21" & 24" 3mm x 60 degree

Standard Equipment:

Chuck assembled with adapter, chuck mounting bolts, soft top jaws, T-nuts, and jaw mounting bolts with wrench, draw nut wrench.

Mounting:

Direct mounting to fit ASA B5.9 type A (interchangeable with DIN 55026).

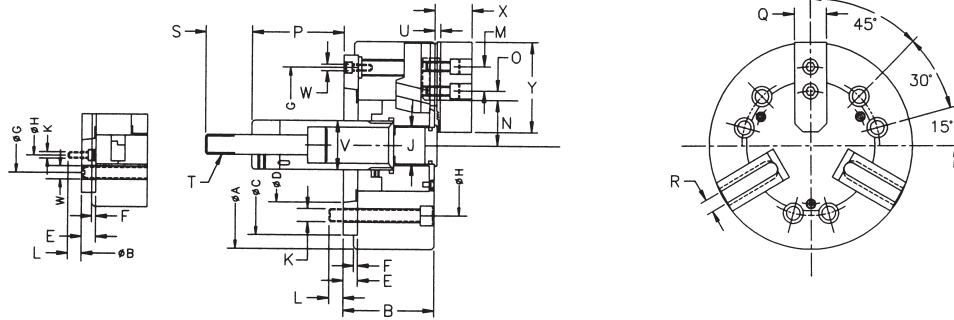


Fig. 2

Fig. 1

MODEL	N06A05	N08A06	N10A06	N10A08	N12A06	N12A08	N15A08	N15A11	N18A08	N18A11	N21A08	N21A11	N21A15	N24A11	N24A15
A	6.496	8.268	10.000	10.000	11.969	11.969	15.000	15.000	17.717	17.717	20.866	20.866	20.866	24.016	24.016
B	3.307	3.819	4.094	4.016	4.724	4.646	5.118	5.118	5.118	5.118	5.748	5.748	5.748	5.748	5.748
C (H6)	5.512	6.693	8.661	8.661	8.661	8.661	11.811	11.811	11.811	11.811	14.961	14.961	14.961	14.961	14.961
D	3.251	4.188	4.188	5.501	4.188	5.501	5.501	7.751	5.501	7.751	5.501	7.751	11.251	7.751	11.251
E	0.591	0.669	0.787	0.709	0.787	0.709	0.866	0.866	0.866	0.866	1.063	1.063	1.063	1.063	1.063
F	0.197	0.197	0.197	0.197	0.236	0.236	0.236	0.236	0.236	0.236	0.236	0.236	0.236	0.236	0.236
G	4.567	5.906	6.748	7.480	6.748	7.480	9.252	10.236	9.252	10.236	13.000	13.000	13.000	13.000	13.000
H	4.126	5.252	5.252	6.748	5.252	6.748	6.748	9.252	6.748	9.252	6.748	9.252	13.000	9.252	13.000
J	0.827	0.984	1.339	1.339	1.339	1.339	----	----	----	----	----	----	----	----	----
K	6-M10	6-M12	6-M12	6-M16	6-M12	6-M16	6-M16	6-M20	6-M16	6-M20	6-M16	6-M20	6-M22	6-M20	6-M22
L	0.551	0.709	0.709	0.984	0.709	0.984	0.906	1.299	0.906	1.299	0.906	1.102	1.339	1.102	1.339
M	0.787	0.984	1.181	1.181	1.181	1.181	1.693	1.693	1.693	1.693	2.362	2.362	2.362	2.362	2.362
N max.	1.488	1.823	2.012	2.012	2.402	2.402	3.051	3.051	4.252	4.252	3.386	3.386	3.386	4.921	4.921
N min.	1.319	1.650	1.839	1.839	2.195	2.195	2.736	2.736	3.937	3.937	3.071	3.071	3.071	4.606	4.606
O max.	0.148	0.877	1.212	1.212	1.921	1.921	1.921	1.921	1.921	1.921	3.684	3.684	3.684	3.684	3.684
O min.	0.305	0.463	0.443	0.443	0.502	0.502	0.916	0.916	0.916	0.916	1.084	1.084	1.084	1.084	1.084
P max.	3.406	4.331	4.488	5.512	4.685	5.709	3.228	3.228	2.756	2.756	2.756	2.756	2.756	2.756	2.756
P min.	2.618	3.504	3.504	4.528	3.504	4.528	1.850	1.850	1.378	1.378	1.378	1.378	1.378	1.378	1.378
Q	1.220	1.378	1.575	1.575	1.969	1.969	1.969	1.969	1.969	1.969	2.559	2.559	2.559	2.559	2.559
R	0.472	0.551	0.630	0.630	0.709	0.709	1.004	1.004	1.004	1.004	0.984	0.984	0.984	0.984	0.984
S	1.417	1.417	1.417	1.417	1.417	1.417	2.165	2.165	2.165	2.165	2.165	2.165	2.165	2.165	2.165
T	M16x2.0	M20x2.5	M20x2.5	M20x2.5	M20x2.5	M20x2.5	M30x3.5	M30x3.5	M30x3.5	M30x3.5	M30x3.5	M30x3.5	M30x3.5	M30x3.5	M30x3.5
U	0.157	0.197	0.197	0.197	0.197	0.197	0.079	0.079	0.079	0.079	0.118	0.118	0.118	0.118	0.118
V	1.339	1.496	1.772	1.772	1.969	1.969	2.362	2.362	2.362	2.362	2.362	2.362	2.362	2.362	2.362
W	3-M6	3-M6	6-M16	3-M8	6-M16	3-M8	6-M20	3-M10	6-M20	3-M10	6-M22	6-M22	3-M12	6-M22	6-M12
X	1.378	1.654	1.811	1.811	2.126	2.126	2.402	2.402	2.402	2.402	2.795	2.795	2.795	2.795	2.795
Y	2.835	3.740	4.331	4.331	5.079	5.079	5.315	5.315	5.315	5.315	7.087	7.087	7.087	7.087	7.087
FIG.	1	1	2	1	2	1	2	1	1	2	1	1	2	1	2