

KITAGAWA®

PW SERIES

POWER WING CHUCK

Three-jaw and two-jaw power wing chucks are ideal for casting or forging work. Draft angles of 20 degrees can be securely gripped using the PW Series Chucks' radial and pull-back stroke. A compensating version offers gripping of components located off of center locations.

A two-jaw version is suitable for work on square components or components that are difficult to grip with three-jaw chucks.

* **PW** THREE JAW TYPE

* **PWC** THREE JAW COMPENSATING TYPE

* **PWT(1)**

* **PWTC(1)**

TWO-JAW TYPE

TWO-JAW COMPENSATING TYPE

Special Features:

* ID/OD Gripping

* Jaws Equalize up to 5 degrees

* High Accuracy and Durability

* Heavy Gripping Forces

* Grips on Draft Angles up to 20 degrees

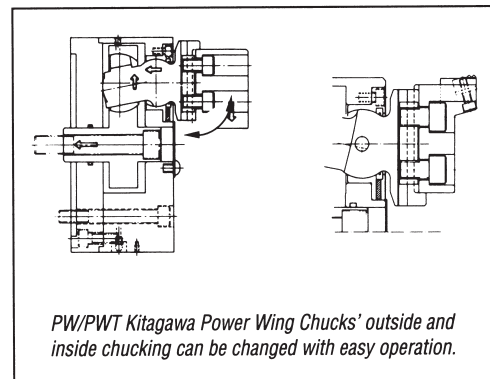
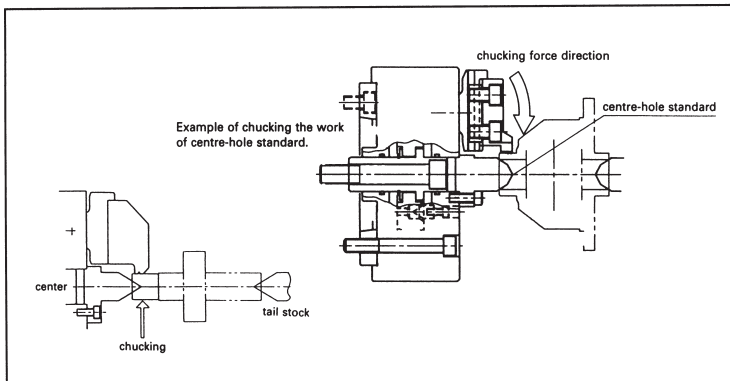
* Part Length Control and Pull-Back Feature

* Completely Sealed Against Contamination

MODEL	UNIT	PW06	PW08	PW10	PW12	PW15
PLUNGER STROKE	IN.	0.449	0.559	0.689	0.689	0.917
JAW STROKE (DIA.)	IN.	0.311	0.374	0.500	0.500	0.622
MAX. DRAW BAR PULL FORCE	LBS.	5,238	7,194	9,215	9,215	12,361
MAX. GRIPPING FORCE	LBS.	15,737	21,579	27,646	27,646	37,038
MAX. SPEED	RPM	4,200	3,700	3,400	2,800	2,000
NET WEIGHTS	LBS.	33	52	87	129	209
GD2	LBS* FT2	4.7	10.4	25.2	49.6	184.4
MATCHING CYLINDER		Y1225R	Y1225R	Y1530R	Y1530R	Y2035R
GRIPPING RANGE OD	IN.	0.185-4.724	0.630-5.984	1.969-7.992	2.480-9.488	2.992-12.480
GRIPPING RANGE ID	IN.	2.756-5.984	2.992-7.992	3.346-9.252	5.000-12.008	6.496-15.000
EQUALIZING VALUE (2)	IN.	0.039	0.059	0.079	0.079	0.079

(1) In the case of PWT and PWTC two-jaw type, the max. gripping force and plunger force are 60% of three-jaw type.

(2) Equalizing values only apply to PWC and PWTC type.



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

Model PW Series Chucks are manufactured from high grade alloy steel. All guide surfaces are hardened and ground to assure consistent accuracy and performance.

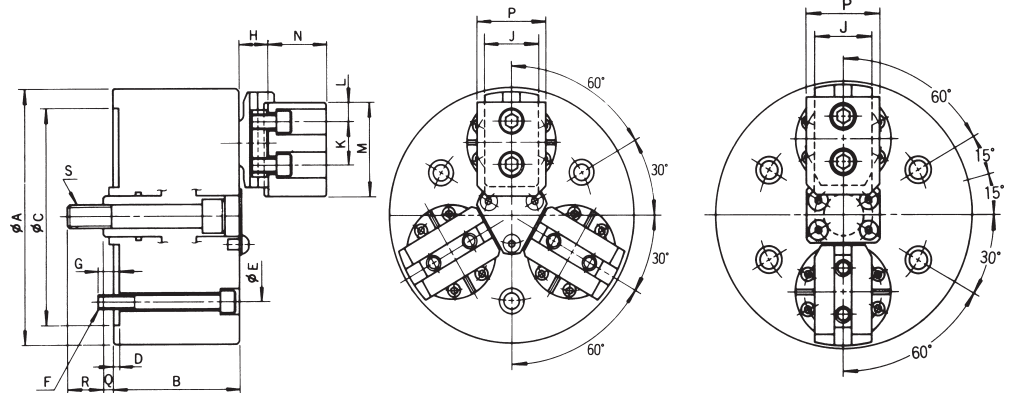
Lubrication nipple at body for greasing chuck.

Mounting:

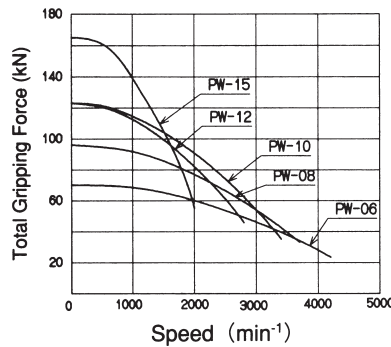
Direct mounting to fit ASA B5.9 type A (interchangeable with DIN 55026).

Standard Equipment:

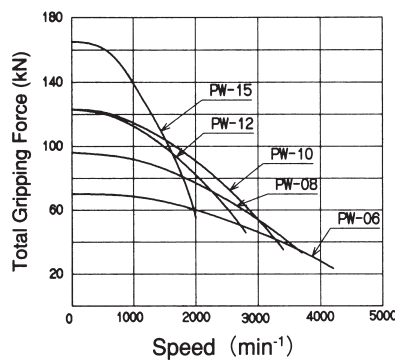
Chuck assembled with adapter, chuck mounting bolts, soft top jaws, T-nuts, and jaw mounting bolts with wrench, draw nut wrench.



Gripping Performance PW



Gripping Performance PW



MODEL	PW06	PW08	PW10	PW12**	PW15**
A	6.378	7.874	10.000	11.811	15.000
B	3.031	3.465	4.134	4.134	4.606
C (H6)	5.512	6.693	8.661	8.661	11.811
D	0.197	0.197	0.197	0.197	0.197
E	4.125	5.250	6.750	6.750	9.252
F	3-M10	3-M12	3-M16	6-M16	6-M20
G	0.551	0.709	0.984	0.984	1.181
H	0.760	0.919	1.147	1.147	1.276
J	1.499	1.750	2.248	2.248	2.623
K	1.156	1.344	1.750	1.750	2.125
L	0.591	0.591	0.748	0.748	0.941
M	2.657	2.913	3.524	4.272	5.512
N	1.878	2.133	2.634	2.634	2.882
P	2.000	2.244	2.760	2.760	3.000
Q max.	0.945	1.154	1.374	1.374	1.957
Q min.	0.496	0.594	0.685	0.685	1.039
R	1.000	1.150	1.366	1.366	1.614
S	M16	M18	M22	M22	M27

PWT - Dimensions same as corresponding PW Series.
 ** 6-hole mounting bolt pattern for PWT type.

GRIPPING CHARACTERISTIC GRAPH

Conditions:

- * Kitagawa gripping force tester is used.
- * The plunger is located where the chuck surface is in parallel with the mounting face of master jaw.
- * Jaws are of standard soft jaws.