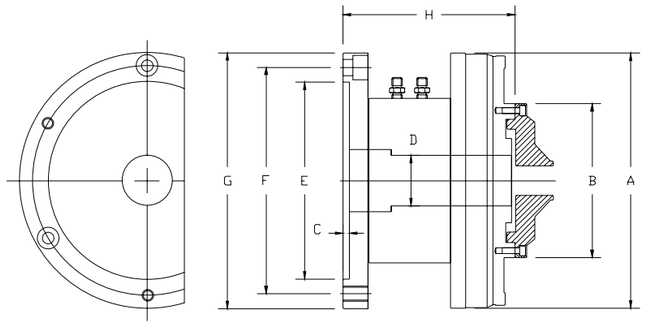
JAP100 Pneumatic Diaphragm Chuck

- Repeatability is within 0.005mm.
- Air cylinder is integrated: no rotary cylinder or draw tube is required.
- Real front-mounting design allows easy installation.
- Highly-sealed chuck body helps protect cutting chips, dust or coolant fluid from entering.
- Gentle and precise clamping: suitable for fragile parts clamping.
- O.D. chucking / I.D. expanding chuck possible by changing different jaw pads.

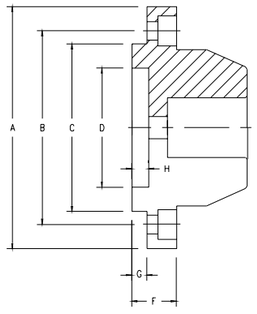
Introduction

JATO JAP100 Cylinder-Integrated Pneumatic Diaphragm Chuck provides you with a high accuracy yet hassle-free diaphragm chucking solution, saving you from the trouble of installing rotary cylinders, tailor making any draw tubes or air feeders. And with its real front-mounting design, the installation is revolutionarily easier than ever.

Dimension and Specification



Jaw Pad Dimension



Model	JAP104	JAP105	JAP106
A	101 (3.98")	137 (5.37")	166 (6.54")
B	60 (2.36")	70 (2.76")	100 (3.94")
C	4.0 (0.16")	3.5 (0.14")	5.5 (0.22")
D	10 (0.39")	12 (0.47")	42 (1.65")
E	70 (2.76")	100 (3.94")	130 (5.12")
F (P.C.D.)	82 (3.23")	115 (4.53")	147 (5.79")
G	97 (3.82")	135 (5.31")	167 (6.57")
H	73 (2.87")	90 (3.54")	107 (4.21")
Mounting Bolts	4H-M6(Front)	3H-M8(Front) 3H-M8(Rear)	3H-M10(Front) 3H-M10(Rear)
Max. RPM	4000	3400	2400
Air Pressure	0.5-7kg/cm^2 (7-100psi)	0.5-7kg/cm^2 (7-100psi)	0.5-7kg/cm^2 (7-100psi)
Jaw Opening	0.20mm (0.008")	0.20mm (0.008")	0.20mm (0.008")
Through Hole	10mm (0.39")	14mm (0.57")	42mm (1.65")
Max. Capacity (Non-Through)	42mm (1.65")	50mm (1.93")	78mm (3.07")
Net Weight	2.8kgs (6.2lbs)	6.0kgs (13.2lbs)	9.5kgs (20.9lbs)

Model	JD-60	JD-70	JD-100
Chuck Model	JAP104	JAP105	JAP106
A	65mm (2.56")	75mm (2.95")	105mm (4.13")
B	52mm (2.05")	60mm (2.36")	90mm (3.54")
C	45mm (1.77")	50mm (1.97")	80.2mm (3.16")
D	32mm (1.26")	32mm (1.26")	65mm (2.56")
F	12mm (0.47")	14mm (0.55")	14mm (0.55")
G	4.0mm (0.16")	5.0mm (0.20")	5.5mm (0.22")
H	4.5mm (0.18")	5.0mm (0.20")	5.0mm (0.20")
Jaw Splits	6	6	6

JAP200 Pneumatic Collet Chuck

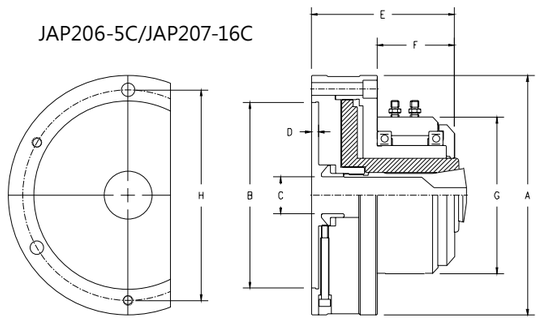
- Precision collet chuck with built-in rotary air cylinder.
- No need to install an extra cylinder, a draw tube or an air feeder.
- Chuck models for 5C, 16C, B42, B60 or B80 collets.
- Chucks are with through hole for bar parts.
- Self-lock design on the close side to offer high safety.
- High resistance to coolant fluid and chips penetration.

Introduction

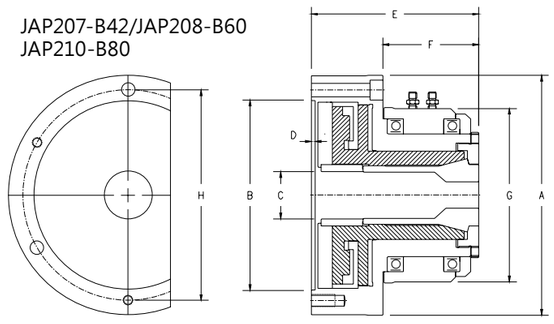
JATO JAP200 Cylinder Integrated Air Collet Chuck provides you with irreplaceable convenience to set up your power collet chuck system. JAP200 Collet Chuck integrates itself a high speed rotary cylinder, saving you from installing an extra cylinder, a drawtube or an air feeder. With its real front-mounting design, the installation for a power collet chuck system is revolutionarily easier than ever.

Dimension and Specification

JAP206-5C/JAP207-16C



JAP207-B42/JAP208-B60
JAP210-B80



Model	JAP206-5C	JAP207-16C	JAP207-B42	JAP208-B60	JAP210-B80
A	168 (6.61")	203 (7.99")	197 (7.76")	214 (8.43")	247 (9.72")
B	130 (5.12")	160 (6.30")	155 (6.10")	170 (6.69")	200 (7.87")
C	26 (1.02")	40 (1.57")	42 (1.65")	60 (2.36")	80 (3.15")
D	4.5 (0.18")	4.5 (0.18")	4.5 (0.18")	4.5 (0.18")	5.0 (0.20")
E	101 (3.98")	113 (4.44")	138 (5.43")	148 (5.83")	151 (5.94")
F	55 (2.17")	65 (2.56")	77 (3.03")	85 (3.35")	80 (3.16")
G	116 (4.57")	136 (5.35")	146 (5.76")	164 (6.46")	197 (7.76")
H (P.C.D.)	147 (5.79")	176 (6.93")	172 (6.77")	186 (7.32")	226 (8.90")
Mounting Bolts	4H-M8 (Front)	3H-M10(Front) + 3H-M10(Rear)	3H-M10(Front) + 3H-M10(Rear)	3H-M10(Front) + 3H-M10(Rear)	6H-M10(Front)
Collets	5C	16C	B42 (DIN6343 173E)	B60 (DIN6343 185E)	B80 (DIN6343 193E)
Max. RPM	3600	2800	2500	2000	1500
Air Pressure	3-8kg/cm^2 (43-114psi)	3-8kg/cm^2 (43-114psi)	3-8kg/cm^2 (43-114psi)	3-8kg/cm^2 (43-114psi)	3-8kg/cm^2 (43-114psi)
Max. Capacity	26mm (1.02")	40mm (1.57")	42mm (1.65")	60mm (2.36")	80mm (3.15")
Piston Area	130cm^2 (20.2in^2)	155cm^2 (24.0in^2)	280cm^2 (43.4in^2)	304cm^2 (47.6in^2)	356cm^2 (55.2in^2)
Gripping Force	3465kgf@7kg/cm^2 (7623lbf@100psi)	4078kgf@7kg/cm^2 (8971lbf@100psi)	5572kgf@7kg/cm^2 (12258lbf@100psi)	6072kgf@7kg/cm^2 (13358lbf@100psi)	7040kgf@7kg/cm^2 (15450lbf@100psi)
Net Weight	10kgs (22lbs)	14kgs (31lbs)	17kgs (37lbs)	21kgs (46lbs)	32kgs (71lbs)

JAP207-42BZI

Air Collet Chuck
for Hainbuch Style Collets

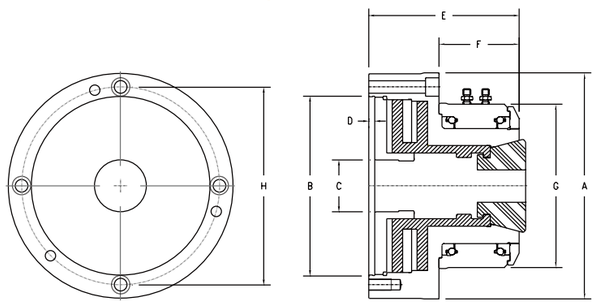
- Adopts Hainbuch style clamping heads.
- Built-in rotary air cylinder.
- Precision pull-backd collet chuck: 0.010mm repeatability.
- Chuck is with through hole for bar parts.
- Double piston: large gripping force.
- High resistance to coolant fluid and chips penetration.

CHP206-SS42

Hydraulic Collet Chuck
for Rotary Tables / Indexing Tables

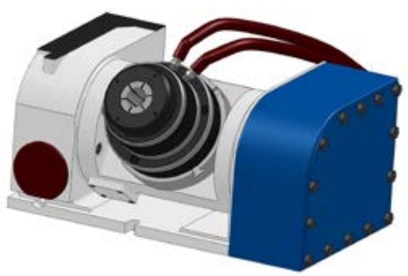
- Adopts Hainbuch style clamping heads.
- Built-in rotary hydraulic cylinder.
- Precision pull-back collet chuck: 0.010mm repeatability.
- Special for rotary tables / indexing tables.
- Real front-mounting design allows easy installation.
- Hydraulic actuated: large gripping force.

Dimension and Specification



Model	JAP207-42BZI	CHP206-SS42
Air / Hydraulic	Air	Hydraulic
A	197 (7.75")	166 (6.54")
B	155 (6.10")	130 (5.12")
C	42 (1.65")	42 (1.65")
D	4.5 (0.18")	4.5 (0.18")
E	146 (5.75")	100 (3.94")
F	69 (2.72")	52 (2.05")
G	146 (5.75")	135(5.31")
H (P.C.D.)	172 (6.77")	147 (5.79")
Mounting Bolts	3H-M10 (Front) + 3H-M10 (Rear)	4H-M10 (Front)
Collet Model	SZM SS42	SZM SS42
Max. R.P.M.	2500	120
Operation Pressure	3-7kg/cm^2 (40-100psi)	10-35kg/cm^2 (143-500psi)
Max. Capacity	42mm (1.65")	42mm (1.65")
Piston Area	256cm2 (40.0in^2)	66cm2 (10.2in^2)
Gripping Force	5572kgf @7kg/cm^2 (12258lbf @100psi)	5669kgf @30kg/cm^2 (12472lbf @428psi)
Net Weight	20kgs (44lbs)	10kgs (22lbs)

Application



CHP206-SS42 and JAP207-42BZI can be front-mounted onto a 4-axis or 5-axis rotary table.

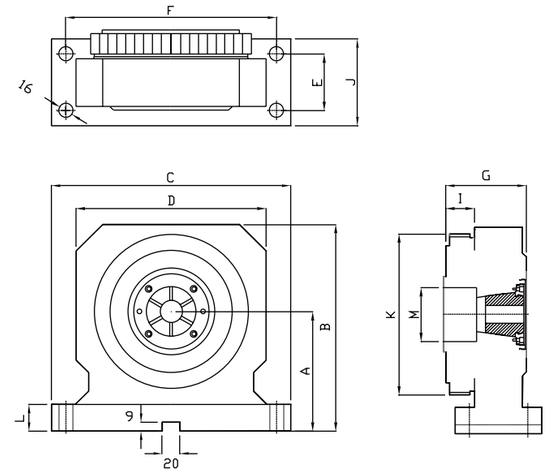
JAM/JHM

Spindle Collet Chuck

- An integration of a rotary spindle, a power collet chuck, and an actuator.
- Specially designed for double-ended machining: saving setup, loading, and machining time.
- Accelerating the designing and building cycle of a new special purpose machine.
- Compact size.
- High clamping force. High rigidity.

JATO JAM/JHM Spindle Collet Chuck is specially designed to provide the users with an all-in-one solution to build their special purpose machines.

A traditional workholding system consists of a rotary spindle, a power chuck, and a actuator. JAM/JHM Spindle Collet Chuck combines these three elements in one, making machine builders very easy to design and to build a new special purpose machine. Since the gripping length of JAM/JHM Chucks are longer than regular collet chucks, JAM/JHM is mostly applied to grip double-ended work parts like hubs of bicycle wheels or piston rods of automobiles.



Model	JAM-25 (Push to Close)	JAM-72 (Push to Close)	JHM-65 (Pull to Close)
A (Center Height)	135 (5.31")	145 (5.71")	145 (5.71")
B	232 (9.13")	265 (10.43")	255 (10.04")
C	270 (10.63")	288 (11.34")	260 (10.24")
D	210 (8.27")	236 (9.29")	220 (8.66")
E	64 (2.52")	105 (4.13")	92 (3.62")
F	238 (9.37")	256 (10.08")	228 (8.98")
G	92 (3.62")	111 (4.37")	106 (4.17")
I (Pulley Width)	27 (1.06")	28.5 (1.12")	27 (1.06")
J	98 (3.86")	135 (5.31")	124 (4.88")
K	182 (7.17")	202 (7.95")	177 (6.97")
L	30 (1.18")	34 (1.34")	30 (1.18")
M	57 (2.24")	83 (3.28")	87 (3.43")
Collet Model	ER-40 Collet	JR-72 Collet	JR-65 Collet
Air / Hydraulic	Air	Air	Hydraulic
Operation Pressure	2-8kg/cm^2 (29-114psi)	2-8kg/cm^2 (29-114psi)	10-20kg/cm^2 (143-286psi)
Max. RPM	1800	2000	2000
Pulley Type	8M-72T	8M-80T	8M-70T
Capacity	4-26mm (0.16"-1.02")	25-70mm (0.98"-2.76")	25-65mm (0.98"-2.56")
Piston Area	145cm^2(22.5in^2)	177cm^2(27.4in^2)	44cm^2(6.82in^2)
Gripping Force	4070kgf@7kg/cm^2 (8954lbf@100psi)	4070kgf@7kg/cm^2 (8954lbf@100psi)	3080kgf@20kg/cm^2 (6775lbf@286psi)
Net Weight	22.5kgs (49.5lbs)	39.0kgs (85.8lbs)	29.0kgs (63.8lbs)

JP Series

High Speed Diaphragm Chuck

- 0.005mm repeatability.
- Anti centrifugal force design. Clamping force remains high in high R.P.M.
- Integrated dynamic-balancing-weights for fine balance adjustment.
- No sliding parts to wear out.
- Clamping force/stroke is proportional to actuating force.
- Ideal for fragile parts, or thin-wall parts clamping.

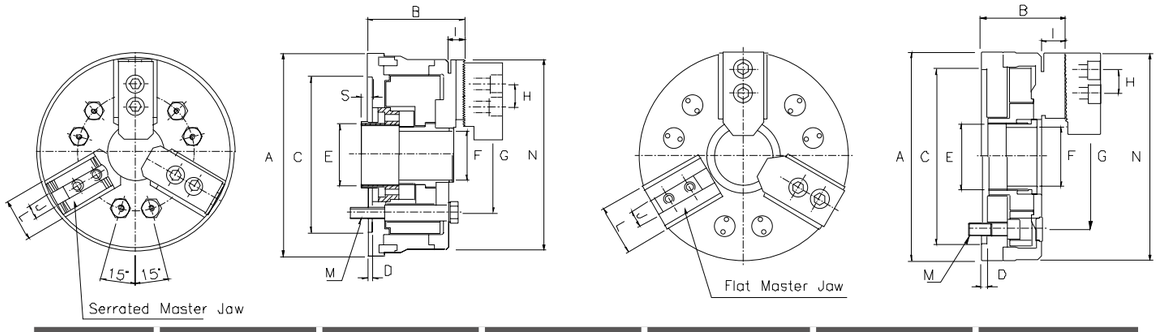
JPL Series

Diaphragm Chuck for Grinders

- 0.005mm repeatability.
- Compact size. Light weighted.
- Special for precison grinders.
- No sliding parts to wear out.
- Clamping force/stroke is proportional to actuating force..
- Ideal for fragile parts, or thin-wall parts clamping.

Introduction

JP/JPL Series Diaphragm Chuck performs its clamping movement by material deformation which features high repeatability and low maintenance requirements. Compared to regular wedge-hook power chucks, JP/JPL diaphragm chuck owns high repeatability of 0.005mm, and longer product life since JP/JPL has no clearance, no sliding parts to wear out. JP is designed for high speed turning machines. It incorporates balancing-weights to eliminate centrifugal force. JPL is specially designed for precision grinders. The chuck is with low profile and mass which enable your machines to have high performance and high chucking accuracy.



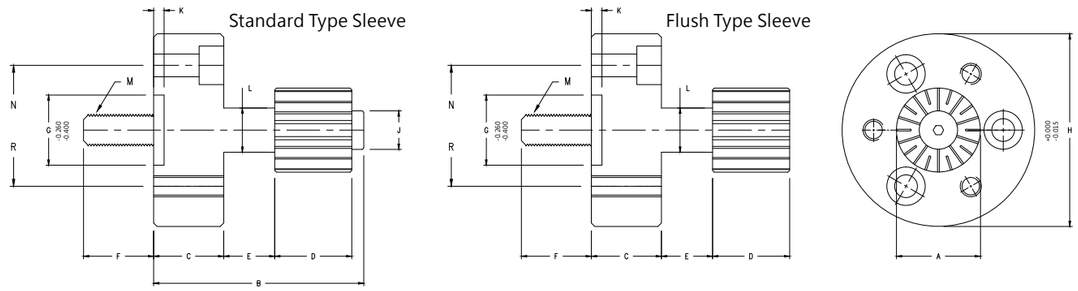
Model	JP-05	JP-06	JP-08	JP-10	JP-06L	JP-08L
A	147mm (5.79")	182mm (7.17")	232mm (9.13")	267mm (10.51")	167mm (6.57")	217mm (8.54")
B	68mm (2.68")	87mm (3.42")	98mm (3.86")	105mm (4.13")	65.5mm (2.58")	71.5mm (2.82")
C (H6)	110mm (4.33")	140mm (5.51")	170mm (6.69")	220mm (8.66")	140mm (5.51")	170mm (6.69")
D	4mm (0.16")	4.5mm (0.16")	4.5mm (0.16")	5mm (0.20")	5mm (0.20")	5mm (0.20")
E	M40 x P1.5	M55 x P2.0	M60 x P2.0	M85 x P2.0	M55 x P2.0	M60 x P2.0
F	33mm (1.30")	44mm (1.73")	50mm (1.97")	75mm (2.95")	44mm (1.73")	52mm (2.05")
G (P. C. D.)	82.6mm (3.25")	104.8mm (4.13")	133.4mm (5.25")	171.4mm (6.75")	104.8mm (4.13")	133.4mm (5.25")
H	14mm (0.55")	20mm (0.79")	25mm (0.98")	30mm (1.18")	20mm (0.79")	25mm (0.98")
I	13mm (0.51")	15mm (0.60")	17mm (0.67")	17mm (0.67")	17.5mm (0.69")	18.5mm (0.73")
J	10mm (0.39")	12mm (0.47")	14mm (0.55")	16mm (0.63")	12mm (0.47")	14mm (0.55")
L	30mm (1.18")	38mm (1.50")	42mm (1.65")	47mm (1.85")	38mm (1.50")	42mm (1.65")
M	M10 x 3	M10 x 6	M12 x 6	M16 x 6	M10 x 6	M12 x 6
N	136mm (5.35")	170mm (6.70")	217mm (8.54")	256mm (10.08")	165mm (6.50")	220mm (8.66")
S	14mm (0.55")	11mm (0.43")	11mm (0.43")			
Max. RPM	8000	7500	6500	5500	600	600
Max. Axial Force	1750kgf (3850lbf)	2250kgf (4950lbf)	3500kgf (7700lbf)	4750kgf (10450lbf)	2250kgf (4950lbf)	3500kgf (7700lbf)
Net Weight	5.5kgs (12.1lbs)	11.0kgs (24.2lbs)	20.0kgs (44.0lbs)	30.5kgs (67.1lbf)	5.5kgs (12.1lbs)	8.0kgs (17.6lbs)

PTG Expanding Mandrel

0.013mm T.I.R. Accuracy

- Large expansion range up to 0.8mm.
- Double-angle principle allows for fast loading/unloading of components.
- Greater holding power by applying pressure evenly along the length of the sleeve.
- Guaranteed accuracy of 0.013mm.

Dimension and Specification



Standard Type	3A1	2C1	1C1	18C1	4C1	5C1	6C1	7C1	8C1
A (Dia.)	Min.: 12.5 Max.: 16.0	Min.: 16.0 Max.: 22.0	Min.: 22.0 Max.: 28.5	Min.: 28.5 Max.: 41.0	Min.: 41.0 Max.: 63.5	Min.: 63.5 Max.: 76.2	Min.: 76.2 Max.: 89.0	Min.: 89.0 Max.: 130.0	Min.: 130.0 Max.: 178.0
B	60	66	72	79	84	109	118	133	153
C	20	20	20	20	20	25	25	30	30
D	22.0	27.0	32.0	38.0	43.0	51.0	57.0	63.5	79.5
E	14.6	15.0	15.5	15.3	14.8	25.3	24.7	25.2	24.6
F	20	22	30	31	36	36	37	47	22
G	40	40	40	40	40	60	60	100	100
H	75	75	75	75	75	120	120	180	180
J	11.0	15.0	20.0	26.5	37.5	55.0	74.5	86.5	124.0
K	6	6	6	6	6	6	6	6	6
L	12.6	14.1	20.7	26.3	37.0	57.3	71.1	84.1	123.0
M (pull thread)	M4	M8	M8	M10	M12	M20	M20	M24	M36
N (bolts)	Ø58-M8	Ø58-M8	Ø58-M8	Ø58-M8	Ø58-M8	Ø94-M10	Ø94-M10	Ø150-M12	Ø150-M12
R	Ø28-M4	Ø28-M4	Ø58-M6	Ø58-M6	Ø58-M6	Ø94-M8	Ø94-M8	Ø150-M10	Ø150-M10
Max. Pull Force (kgf)	700	1000	1200	1800	2300	2800	3200	3700	5500

Flush Type	3A2	2C2	1C2	18C2	4C2	5C2	6C2	7C2	8C2
A (Dia.)	Min.: 16.5 Max.: 22.0	Min.: 22.0 Max.: 28.5	Min.: 28.5 Max.: 40.0	Min.: 40.0 Max.: 51.0	Min.: 51.0 Max.: 73.0	Min.: 73.0 Max.: 89.0	Min.: 89.0 Max.: 102.0	Min.: 101.0 Max.: 143.0	Min.: 143.0 Max.: 178.0
C	20	20	20	20	20	25	25	30	30
D	26.0	32.0	38.0	45.0	50.0	60.0	69.0	78.5	99.5
E	14.6	15.0	15.5	15.3	14.8	25.3	24.7	25.2	24.6
F	20	22	30	31	36	36	37	47	22
G	40	40	40	40	40	60	60	100	100
H	75	75	75	75	75	120	120	180	180
J	11.0	15.0	20.0	26.5	37.5	55.0	74.5	86.5	124.0
K	6	6	6	6	6	6	6	6	6
L	12.6	14.1	20.7	26.3	37.0	57.3	71.1	84.1	123.0
M (pull thread)	M4	M8	M8	M10	M12	M20	M20	M24	M36
N (bolts)	Ø58-M8	Ø58-M8	Ø58-M8	Ø58-M8	Ø58-M8	Ø94-M10	Ø94-M10	Ø150-M12	Ø150-M12
R	Ø28-M4	Ø28-M4	Ø58-M6	Ø58-M6	Ø58-M6	Ø94-M8	Ø94-M8	Ø150-M10	Ø150-M10
Max. Pull Force (kgf)	700	1000	1200	1800	2300	2800	3200	3700	5500

Rotary Power Chuck

- Self-Contained Power Chuck. No need for an extra rotary actuator.
- Aluminum alloy chuck body, light-weighted, good heat dispensation.
- Allows non-stop operation when loading/ unloading parts.
- Widely applied to convert manual lathes into powered ones. Refer to the following figure.

Application: Rotary Power Chuck can be front-mounted onto a manual lathe to increase its production efficiency.

(Collet Style)

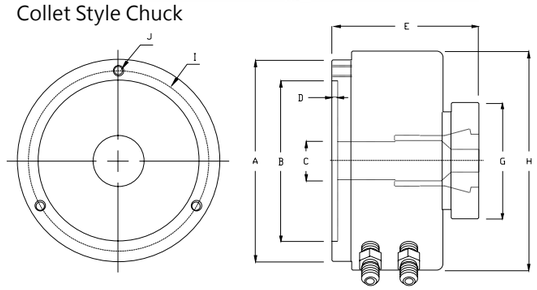
(Jaw Style)

Introduction

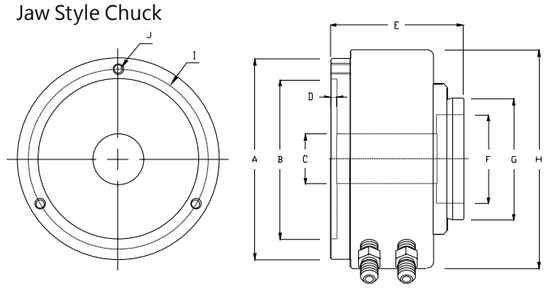
It used to be complex for users to convert a manual lathe into one with power workholding device since setting up a hydraulic system is quite troublesome. JATO Rotary Power Chuck is specially designed to help users to set up a power chuck in a low cost and easy way. With its built-in rotary actuator, the Rotary Power Chuck can be installed and start working in less than 20 minutes.

Rotary Power Chuck comes with both air chuck and hydraulic chuck models that range from small sizes to large ones, giving users more options to choose from. Rotary Power Chuck now is widely applied to convert manual lathes to semi-auto ones with power workholding system, or is applied to build special purpose machines.

Collet Style Chuck



Jaw Style Chuck



Collet Style Power Chuck

Model	JA7-44	JH7-44
A	192 (7.56")	192 (7.56")
B	155 (6.10")	155 (6.10")
C	44 (1.73")	44 (1.73")
D	5 (0.20")	5 (0.20")
E	135 (5.31")	135 (5.31")
F	-	-
G	107 (4.21")	107 (4.21")
H	212 (8.35")	212 (8.35")
I (P.C.D)	172 (6.77")	172 (6.77")
J	3H-M10 (rear)	3H-M10 (rear)
Collet / Jaw Model	C-44 Collet	C-44 Collet
Air / Hydraulic	Air	Hydraulic
Operating Pressure	2-20kg/cm^2 (28-286psi)	2-20kg/cm^2 (28-286psi)
Max. R.P.M.	1600	1600
Max. Capacity (through/none)	44mm (1.73")	44mm (1.73")
Piston Area	117cm^2 (18in^2)	117cm^2 (18in^2)
Gripping Force	5400kgf@16kg/cm^2 (12020lbf@229psi)	10800kgf@16kg/cm^2 (24040lbf@229psi)
Net Weight	17kgs (37.4lbs)	17kgs (37.4lbs)

Jaw Style Power Chuck - Air

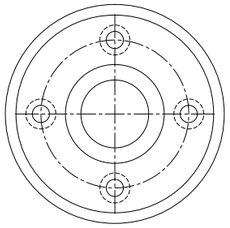
JA5-25	JA7-40	JA7-70
135 (5.31")	192 (7.56")	192 (7.56")
100 (3.94")	155 (6.10")	155 (6.10")
25 (0.98")	45 (1.77")	68 (2.68")
4.0 (0.16")	4.5 (0.18")	5.0 (0.20")
102 (4.02")	126 (4.96")	141 (5.55")
45 (1.77")	65 (2.56")	105 (4.13")
68 (2.68")	94 (3.70")	136 (5.35")
170 (6.69")	212 (8.35")	265 (10.43")
115 (4.53")	172 (6.77")	172 (6.77")
3H-M8 (rear)	3H-M10 (rear)	3H-M10 (rear)
C-25 Jaw	C-40 Jaw	C-70 Jaw
Air	Air	Air
2-9kg/cm^2 (28-130psi)	2-9kg/cm^2 (28-130psi)	2-9kg/cm^2 (28-130psi)
1800	1600	1400
25mm/32mm (0.98"/1.26")	45mm/50mm (1.77"/1.97")	68mm/90mm (2.68"/3.54")
115cm^2 (17.8in^2)	182cm^2 (28.2in^2)	329cm^2 (50.8in^2)
2254kgf@7kg/cm^2 (4958lbf@100psi)	3567kgf@7kg/cm^2 (7847lbf@100psi)	6429kgf@7kg/cm^2 (14143lbf@100psi)
7.5kgs (16.5lbs)	15.0kgs (33.0lbs)	22.5kgs (49.5lbs)

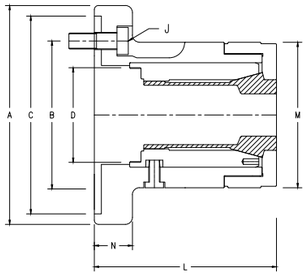
Jaw Style Power Chuck - Hydraulic

Model	JH5-25	JH7-40	JH7-70	JH9-90	JH9-120
A	135 (5.31")	192 (7.56")	192 (7.56")	230 (9.06")	229 (9.02")
B	100 (3.94")	155 (6.10")	155 (6.10")	190 (7.48")	190 (7.48")
C	25 (0.98")	45 (1.77")	68 (2.68")	88 (3.52")	118 (4.65")
D	4.0 (0.16")	4.5 (0.18")	5.0 (0.20")	5.5 (0.22")	5.5 (0.22")
E	102 (4.02")	126 (4.96")	141 (5.55")	150 (5.91")	157 (6.18")
F	45 (1.77")	65 (2.56")	105 (4.13")	105 (4.13")	140 (5.51")
G	68 (2.68")	94 (3.70")	136 (5.35")	136 (5.35")	168 (6.61")
H	138 (5.43")	190 (7.48")	211 (8.31")	232 (9.13")	275 (10.83")
I (P.C.D)	115 (4.53")	172 (6.77")	172 (6.77")	210 (8.27")	210 (8.27")
J	3H-M8 (rear)	3H-M10 (rear)	3H-M10 (rear)	3H-M12 (rear)	3H-M12 (rear)
Collet / Jaw Model	C-25 Jaw	C-40 Jaw	C-70 Jaw	C-90 Jaw	C-120 Jaw
Air / Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Operating Pressure	10-25kg/cm^2 (143-357psi)	10-20kg/cm^2 (143-286psi)	10-20kg/cm^2 (143-286psi)	10-15kg/cm^2 (143-214psi)	10-15kg/cm^2 (143-214psi)
Max. R.P.M.	1800	1600	1400	1100	900
Max. Capacity (through/none)	25mm/32mm (0.98"/1.26")	45mm/50mm (1.77"/1.97")	68mm/90mm (2.68"/3.54")	88mm/88mm (3.52"/3.52")	118mm/118mm (4.65"/4.65")
Piston Area	56cm^2 (8.68in^2)	85cm^2 (13.1in^2)	117cm^2 (18.1in^2)	133cm^2 (20.7in^2)	183cm^2 (28.4in^2)
Gripping Force	2508kgf@16kg/cm^2 (5519lbf@228psi)	4032kgf@16kg/cm^2 (8870lbf@228psi)	5197kgf@16kg/cm^2 (11433lbf@228psi)	5913kgf@16kg/cm^2 (13009lbf@228psi)	6148kgf@12kg/cm^2 (13528lbf@171psi)
Net Weight	6.0kgs (13.2lbs)	13.0kgs (28.6lbs)	18.0kgs (39.6lbs)	24.0kgs (52.8lbs)	30.0kgs (66.0lbs)

CPC Power Collet Chuck

- Adopting DIN6343 collets: 173E(B42), 185E(B60), 193E(B80).
- Adopting C-44 collets.
- Precision dead-length collet chuck: 0.025mm repeatability.
- CPC is the most popular model for CNC lathes.





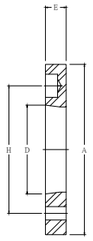


Fig. 1

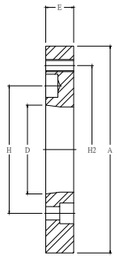


Fig. 2

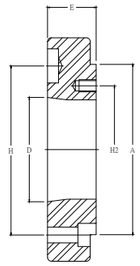


Fig. 3

Dimension and Specification

Model	CPC-42Z140	CPC-44Z140	CPC-60Z170	CPC-80Z220
A	155mm (6.10")	155mm (6.10")	186mm (7.32")	236mm (9.30")
B (P.C.D)	104.8mm (4.13")	104.8mm (4.13")	133.4mm (5.25")	171.4mm (6.75")
C	140mm (5.51")	140mm (5.51")	170mm (6.69")	220mm (8.66")
D	M66xP1.5	M66xP1.5	M90xP1.5	M100xP2.0
L	125mm (4.92")	125mm (4.92")	140mm (5.50")	164mm (6.60")
M	104mm (4.09")	104mm (4.09")	134mm (5.28")	167mm (6.57")
N	23mm (0.91")	23mm (0.91")	27mm (1.06")	32mm (1.26")
J	3H-M10	3H-M10	6H-M12	6H-M16
Collet Model	DIN6343 173E (B42)	C-44	DIN6343 185E (B60)	DIN6343 193E (B80)
Sleeve Axial Stroke	4.5mm (0.18")	4.5mm (0.18")	4.5mm (0.18")	4.5mm (0.18")
Max. Capacity	42mm (1.65")	44mm (1.73")	60mm (2.36")	80mm (3.15")
Max. Pull Foce	2400kgf (5280lbf)	2400kgf (5280lbf)	3000kgf (6600lbf)	3300kgf (7260lbf)
Max. Gripping Force	4200kgf (9240lbf)	4200kgf (9240lbf)	5250kgf (11550lbf)	5775kgf (12705lbf)
Max. RPM	6000	6000	5000	4000
Net Weight	7.0kgs (15.4lbs)	7.0kgs (15.4lbs)	11.5kgs (25.3lbs)	22.5kgs (49.5lbs)
Available Adaptors	A2-4/A2-5/A2-6	A2-4/A2-5/A2-6	A2-5/A2-6/A2-8	A2-6/A2-8/A2-11

Adaptors Dimension

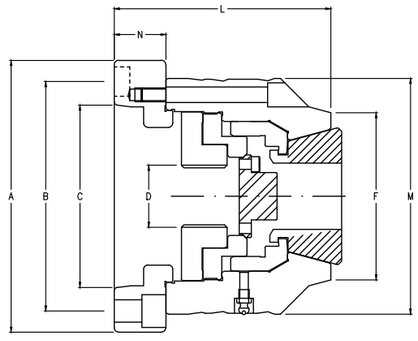
Chuck Model	Spindle Nose D	Figure	A	H	H2	E
CPC-42Z140 CPC-44Z140	A2-4	Fig. 2	140 (5.10")	82.6 (3.25")	104.8 (4.13")	20 (0.79")
	A2-5	Fig. 1	140 (5.10")	104.8 (4.13")	-	15 (0.59")
	A2-6	Fig. 3	140 (5.10")	133.4 (5.25")	104.8 (4.13")	40 (1.57")
CPC-60Z170	A2-5	Fig. 2	170 (6.69")	104.8 (4.13")	133.4 (5.25")	23 (0.91")
	A2-6	Fig. 1	170 (6.69")	133.4 (5.25")	-	17 (0.67")
	A2-8	Fig. 3	170 (6.69")	171.4 (6.75")	133.4 (5.25")	45 (1.77")
CPC-80Z220	A2-6	Fig. 2	220 (8.66")	133.4 (5.25")	171.4 (6.75")	28 (1.10")
	A2-8	Fig. 1	220 (8.66")	171.4 (6.75")	-	18 (0.71")
	A2-11	Fig. 3	220 (8.66")	235.0 (9.25")	171.4 (6.75")	54 (2.13")

JPC Power Collet Chuck

Adopting SZM Spannstar Clamping Heads

- Precision pull back collet chuck: 0.010mm repeatability.
- Fast collet change design: less than 30 seconds.
- Removable End-Stop to ensure axial accuracy.
- Large clamping range: 0.5mm opening.
- Adopting SZM Spannstar vulcanized Clamping Heads. (compatible with Hainbuch, Ortlieb, and other brands)

Dimension and Specification



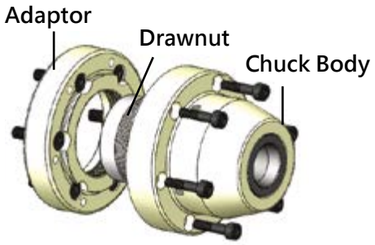
SZM GMHB Original
Spannstar Clamping Heads

Model	JPCA-42A5	JPCA-42A6	JPCA-65A5	JPCA-65A6
Spindle Nose	A2-5	A2-6	A2-5	A2-6
A	138 (5.43")	164 (6.46")	138 (5.43")	164 (6.46")
B (P.C.D.)	104.8 (4.13")	133.4 (5.25")	104.8 (4.13")	133.4 (5.25")
C	82.6 (3.25")	106.4 (4.19")	82.6 (3.25")	106.4 (4.19")
D (Drawtube Max.)	M55	M55	M72	M72
F	97 (3.82")	97 (3.82")	119 (4.69")	119 (4.69")
L	123 (4.84")	126 (4.96")	138 (5.43")	141 (5.55")
M	137 (5.39")	137 (5.39")	164 (6.46")	164 (6.46")
N	27 (1.06")	30 (1.18")	27 (1.06")	30 (1.18")
Mounting Bolts	6H-M10	6H-M12	6H-M10	6H-M12
Collet Model	SS42 (42BZI)	SS42 (42BZI)	SS65 (65BZI)	SS65 (65BZI)
Axial Stroke	5.0mm (0.22")	5.0mm (0.22")	5.0mm (0.22")	5.0mm (0.22")
Clamping Range	±0.5mm (±0.02")	±0.5mm (±0.02")	±0.5mm (±0.02")	±0.5mm (±0.02")
Max. Capacity	42mm (1.65")	42mm (1.65")	65mm (2.56")	65mm (2.56")
Max. Axial Force	3200kgf (7040lbf)	3200kgf (7040lbf)	4000kgf (8800lbf)	4000kgf (8800lbf)
Max. Clamping Force	7200kgf (15840lbf)	7200kgf (15840lbf)	7200kgf (20800lbf)	7200kgf (20800lbf)
Max. RPM	6500	6500	5500	5500
Net Weight	9.5kgs (20.9lbs)	10.5kgs (23.1lbs)	14.0kgs (30.8lbs)	15.0kgs (33.0lbs)

CPD

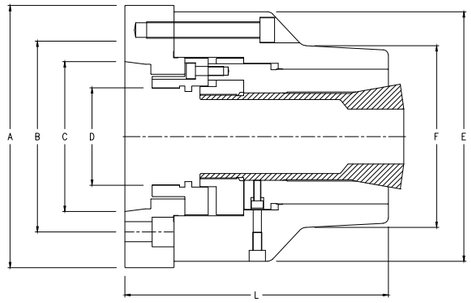
Dead-Length Collet Chuck

- Adops 5C / 16C collets.
- 5C Collet: max. capacity 26mm.
- 16C Collet: max. capacity 40mm.



JATO offers a blank drawnut when shipping the chuck. Customers could thread the drawnut according to the drawtube of the machine.

CPD Collet Chuck Dimension



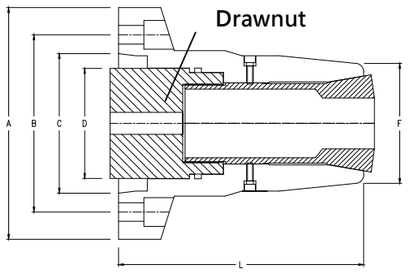
Model	CPD-5CA5	CPD-5CA6	CPD-16CA5	CPD-16CA6
Spindle Nose	A2-5	A2-6	A2-5	A2-6
A	138 (5.43")	158 (6.22")	138 (5.43")	158 (6.22")
B (P.C.D.)	104.8 (4.13")	133.4 (5.25")	104.8 (4.13")	133.4 (5.25")
C	82.6 (3.25")	106.4 (4.19")	82.6 (3.25")	106.4 (4.19")
D (for Drawtube)	M73 x P1.5	M73 x P1.5	M91 x P1.5	M91 x P1.5
E	100 (3.94")	100 (3.94")	138 (5.43")	138 (5.43")
F	78 (3.07")	78 (3.07")	90 (3.54")	90 (3.54")
L	123 (4.84")	125 (4.92")	145 (5.71")	148 (5.83")
Mounting Bolts	6H-M10	6H-M12	6H-M10	6H-M12
Collet Model	5C	5C	16C	16C
Max. Pull Force	1800kgf (3900lbf)	1800kgf (3900lbf)	2300kgf (5060lbf)	2300kgf (5060lbf)
Max. RPM	6000	6000	5000	5000
Net Weight	8.0kgs (17.6lbs)	9.0kgs (19.8lbs)	10.0kgs (22lbs)	12.0kgs (26.4lbs)

CPB

Pull Back Collet Chuck

- Adops 5C / 16C collets.
- 5C Collet: max. capacity 26mm.
- 16C Collet: max. capacity 40mm.
- Pull back design. High accuracy.

CPB Collet Chuck Dimension

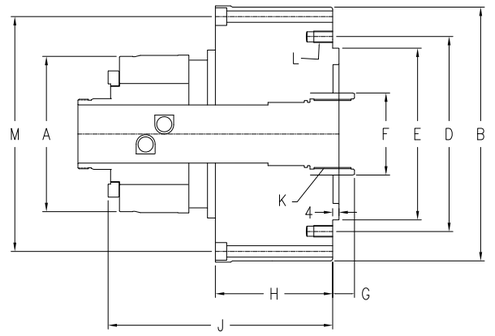


Model	CPB-5CA5	CPB-5CA6	CPB-16CA5	CPB-16CA6
Spindle Nose	A2-5	A2-6	A2-5	A2-6
A	137 (5.39")	166 (6.54")	137 (5.39")	166 (6.54")
B (P.C.D)	104.8 (4.13")	133.4 (5.25")	104.8 (4.13")	133.4 (5.25")
C	82.6 (3.25")	106.4 (4.19")	82.6 (3.25")	106.4 (4.19")
D (for Drawtube)	Max.M58	Max.M65	Max.M58	Max.M65
F	60 (2.36")	60 (2.36")	80 (3.15")	80 (3.15")
L	122 (4.80")	122 (4.80")	145 (5.71")	145 (5.71")
Mounting Bolts	3H-M10	3H-M12	6H-M10	6H-M12
Collet Model	5C	5C	16C	16C
Max. Pull Force	1800kgf (3900lbf)	1800kgf (3900lbf)	2300kgf (5060lbf)	2300kgf (5060lbf)
Max. RPM	6000	6000	5000	5000
Net Weight	5.0kgs (11.0lbs)	7.5kgs (16.5lbs)	5.5kgs (12.1lbs)	10.0kgs (22.0lbs)

JAL Pneumatic Cylinder

- Open center air cylinder, saving cost of hydraulic equipment.
- Open center design allows bar parts gripping.
- Adavnce bearing design: low temperature rising when operation.
- Low air leakage.
- Double piston design to offer high pulling force. (JA362 / JA562)

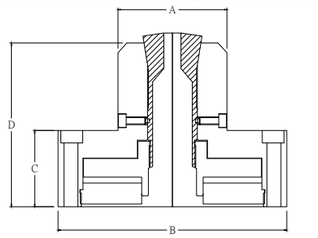
Dimension and Specification

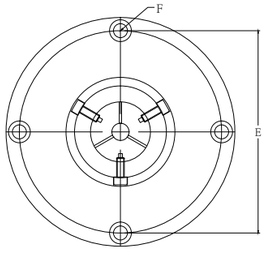


Model	JAL636	JA362	JA562
Piston	Single Piston	Double Piston	Double Piston
A	105 (4.13")	107 (4.21")	127 (5.00")
B	162 (6.38")	175 (6.89")	200 (7.87")
D (P.C.D.)	115 (4.53")	115 (4.53")	155 (6.10")
E	100 (3.94")	100 (3.94")	130 (5.12")
F	55 (2.17")	50 (1.97")	70 (2.76")
G	0-12 (0"-0.47")	-2.5-10 (-0.10"-0.39")	0-15 (0"-0.59")
H	58 (2.28")	101 (3.98")	108 (4.25")
J	120 (4.72")	165 (6.50")	180 (7.09")
K (for Drawtube)	M42xP1.5	M42xP1.5	M60xP2.0
L	6-M10	6-M10	12-M10
M (P.C.D.)	147 (5.79") 8H-M6	N/A	N/A
Through Hole	36mm (1.42")	36mm (1.42")	52mm (2.05")
Operating Pressure	2-8kg/cm^2 (29-114psi)	2-8kg/cm^2 (29-114psi)	2-8kg/cm^2 (29-114psi)
Max. RPM	3200	3600	3200
Piston Stroke	12mm (0.47")	12mm (0.47")	15mm (0.59")
Piston Area	123cm^2 (19.1in^2)	287cm^2 (44.5in^2)	365cm^2 (56.6in^2)
Pulling Force	775kgf@7kg/cm^2 (1705lbf@100psi)	1810kgf@7kg/cm^2 (3980lbf@100psi)	2300kgf@7kg/cm^2 (5060lbf@100psi)
Net Weight	7.2kgs (15.8lbs)	9.2kgs (20.3lbs)	14.5kgs (31.9lbs)

JAS-PL
Stationary Chuck

- Steel chuck body.
- Pull back to close: high precision.
- Adopting 5C / 16C collets.
- High resistant to chips, fluid and dust.
- High accuracy. High rigidity.



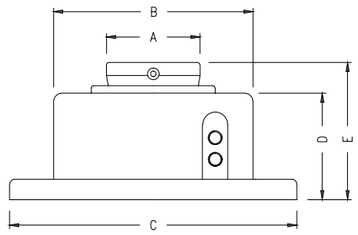


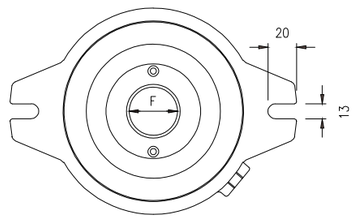
JAS-PL Dimension

Model	JAS-5C-PL	JAS-16C-PL
A	70 (2.76")	90 (3.54")
B	147 (5.79")	178 (7.00")
C	49 (1.93")	49 (1.93")
D	105 (4.13")	126 (4.96")
E	130 (5.12")	158 (6.22")
F (Bolts)	4H-M8	4H-M8
Collet	5C Collet	16C Collet
Operating Pressure	3-8kg/cm^2 (43-114psi)	3-8kg/cm^2 (43-114psi)
Max. Capacity	26mm (1.02")	40mm (1.57")
Piston Area	88cm^2 (13.7in^2)	131cm^2 (20.3in^2)
Gripping Force	3175kgf@7kg/cm^2 (6985lbf@100psi)	4725kgf@7kg/cm^2 (10395lbf@100psi)
Net Weight	6.5kgs (14.3lbs)	12.5kgs (27.5lbs)

CAF
Stationary Chuck

- Cast iron chuck body.
- Dead length design: no axial movement.
- Cost effective stationary collet chuck.
- High resistant to chips, fluid and dust.
- High rigidity. Long product life.



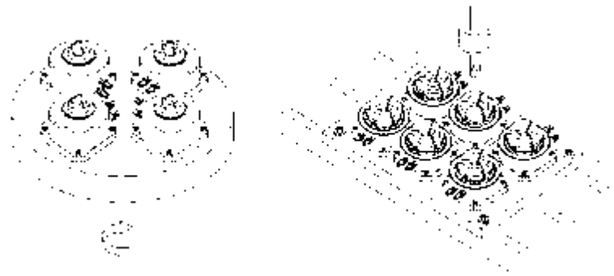


CAF Dimension

Model	CAF-25	CAF-40	CAF-70
A	60 (2.36")	94 (3.70")	136 (5.35")
B	162 (6.38")	196 (7.72")	216 (8.50")
C	222 (8.74")	256 (10.08")	291 (11.46")
D	73 (2.87")	96 (3.78")	103 (4.06")
E	103 (4.06")	124 (4.88")	135 (5.31")
F	26 (1.02")	48 (1.89")	68 (2.68")
Collet / Jaw	YB-25 Collet	C-40 Jaw	C-70 Jaw
Air / Hydro	Air / Hydro	Air	Air
Operating Pressure	3-15kg/cm^2 (43-214psi)	3-8kg/cm^2 (43-114psi)	3-8kg/cm^2 (43-114psi)
Max. Capacity	26mm (1.02")	45mm (1.77")	68mm (2.68")
Gripping Torque	6kgf-m (43lbf-ft)	6kgf-m (43lbf-ft)	7kgf-m (50lbf-ft)
Net Weight	9.0kgs (19.8lbs)	14.0kgs (30.8lbs)	23.0kgs (50.6lbs)

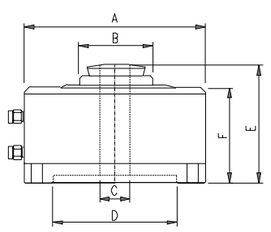
JAS/JHS Stationary Chuck

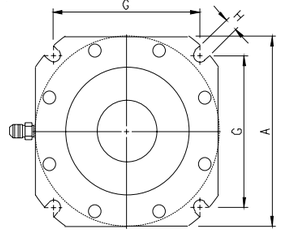
- Cost effective stationary collet chuck.
- Dead length design: no axial movement.
- High accuracy. High rigidity. Long product life.
- High resistant to cutting chips, fluid or dust.
- Chuck force-opening design ensures no workpart jamming.



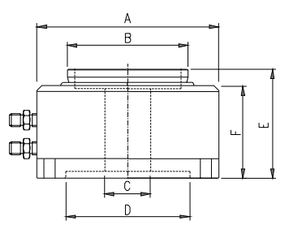
JAS/JHS Dimension and Specification

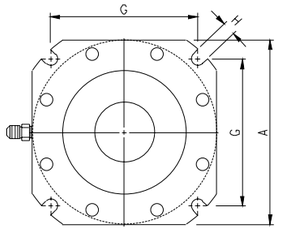
JAS-15/JAS-25/JAS-5C (Collet Style)





JAS-40/JHS-40/JHS-70 (Jaw Style)





Model	JAS-15	JAS-25	JAS-5C	JAS-40	JHS-40	JHS-70
A	118 (4.65")	144 (5.67")	144 (5.67")	168 (6.61")	144 (5.67")	190 (7.48")
B	40 (1.57")	55 (2.17")	55 (2.17")	95 (3.74")	95 (3.74")	136 (5.35")
C	14 (0.55")	26 (1.02")	26 (1.02")	38 (1.50")	38 (1.50")	68 (2.68")
D	90 (3.54")	100 (3.94")	100 (3.94")	100 (3.94")	100 (3.94")	155 (6.10")
E	77 (3.03")	108 (4.25")	93 (3.66")	97 (3.82")	94 (3.70")	95 (3.73")
F	64 (2.52")	74 (2.91")	74 (2.91")	77 (3.03")	73 (2.87")	74 (2.91")
G	97 (3.82")	118 (4.65")	118 (4.65")	136.5 (5.37")	118 (4.65")	153.5 (6.04")
H	9 (0.35")	9 (0.35")	9 (0.35")	11 (0.43")	9 (0.35")	11 (0.43")
Collet / Jaw	YB-15 Collet	YB-25 Collet	5C Collet	C-40 Jaw	C-40 Jaw	C-70 Jaw
Air / Hydro	Air / Hydraulic	Air / Hydraulic	Air / Hydraulic	Air	Hydraulic	Hydraulic
Pressure	3-15kg/cm^2 (43-214psi)	3-15kg/cm^2 (43-214psi)	3-15kg/cm^2 (43-214psi)	3-8kg/cm^2 (43-114psi)	3-20kg/cm^2 (43-286psi)	3-20kg/cm^2 (43-286psi)
Max. Capacity	14mm (0.56")	26mm(1.02")	26mm(1.02")	38mm(1.50")	38mm(1.50")	68mm(2.68")
Piston Area	79cm^2 (12.2in^2)	112cm^2 (17.4in^2)	112cm^2 (17.4in^2)	240cm^2 (37.2in^2)	86cm^2 (13.3in^2)	110cm^2 (17.1in^2)
Clamping Force	2850kgf@7kg/cm^2 (6260lbf@100psi)	3890kgf@7kg/cm^2 (8550lbf@100psi)	3890kgf@7kg/cm^2 (8550lbf@100psi)	5090kgf@7kg/cm^2 (11210lbf@100psi)	5250kgf@20kg/cm^2 (11550lbf@286psi)	6780kgf@20kg/cm^2 (14920lbf@286psi)
Net Weight	5.0kgs (11.0lbs)	9.0kgs (19.8lbs)	9.0kgs (19.8lbs)	12.5kgs (27.5lbs)	8.5kgs (18.7lbs)	13.5kgs (29.7lbs)