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 precision grinders .
- No sliding parts to wear out.
- Clamping force/stroke is proportional to actuating force.
- Ideal for fragile parts, or thin-wall parts clamping.

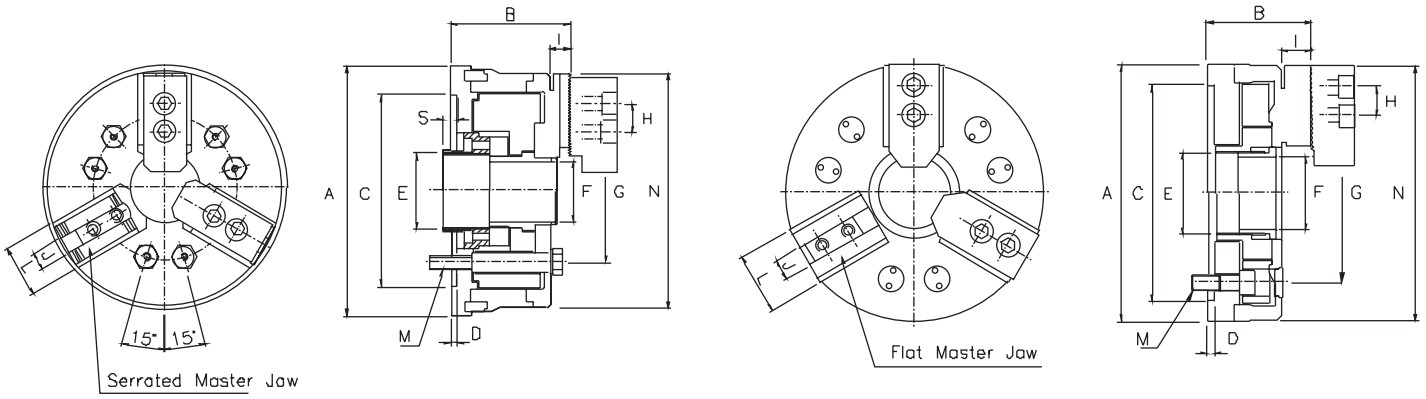
Introduction

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.

Applications

- Spindle Grinding of DC Micro Motors
- Precise Bush
- Lens of Electronic Equipment
- Lens Frame of Smartphone
- Ceramics Grinding
- Cardiovascular stent
- Laser Carving, Laser Cutting, Laser Wielding
- Case of Stylus
- Wafer Board

Dimension and Specification



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	M40xP1.5	M55xP2.0	M60xP2.0	M85xP2.0	M55xP2.0	M60xP2.0
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	M10x3	M10x6	M12x6	M16x6	M10x6	M12x6
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)
Adaptor size	Flat 110mm A2-4	Flat 140mm A2-5/A2-6	Flat 170mm A2-5/A2-6/A2-8	Flat 220mm A2-6/A2-8	Flat 140mm A2-5/A2-6	Flat 170mm A2-5/A2-6/A2-8
Net Weight	5.5kgs(12.1lbs)	11.0kgs(24.2lbs)	20.0kgs(44.0lbs)	30.5kgs(67.2lbs)	6.0kgs(13.2lbs)	9.4kgs(20.7lbs)

Example of Axial Stopper