

## Parallel Gripper – JP

- Double acting.
- · Self-centering.
- High gripping force.
- · Suitable for heavy-duty applications.
- See Sensor Reference Guide on page 1010 for a complete list of compatible sensors.





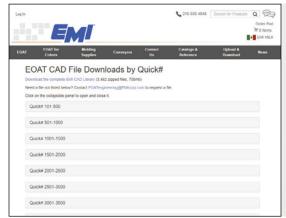


Quick#	6171	6172	6173
Part#	JP-25	JP-32	JP-45
Price	\$436.00	\$484.00	\$586.00
Medium	Filtered, lubricated / non-lubricated compressed air		
Pressure range	36-116 psi		
Opening total gripping force at 87 psi	60.7 lbf	157.4 lbf	224.8 lbf
Closing total gripping force at 87 psi	54 lbf	134.8 lbf	209 lbf
Total stroke (±0.2mm)	9.5mm	12mm	18.9mm
Maximum repeatability tolerance	0.02mm		
Mid-stroke detection capability	Yes, see Sensor Reference Guide on page 1010 for details.		
Weight	240g	450g	1050g

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45 60 Z (mm)

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## **Gripping force** The graphs show the medium gripping force on each jaw, as a function of the operating pressure, the gripping tool length 'Z' and the overhanging 'X'. Reference: Force: N x 0.225 = lbf **Pressure:** bar x 14.5 = psi JP-25 X opening closing 200 200 Gripping force (N) Gripping force (N) opening closing 160 160 (6 bar) (6 bar) 140 140 105 105 120 120 90 100 100 75 8 bar 8 bar 80 60 6 bar 6 bar 60 45 4 bar 4 bar 20 20 13°N YON. 15 75 75 90 15 Z (mm) Z (mm) JP-32 closing opening 450 duibbing force (N) 350 250 450 450 opening closing 400 (6 bar) (6 bar) 350 105 105 300 200 200 60 60 Z (mm) 6 bar 45 45 150 150 4 bar 4 bar 100 100 30 50 50 15 15 45 60 Z (mm) 45 60 Z (mm) 15 30 75 30 JP-45 closing opening 700 700 Guibbing force (N) 560 490 420 350 closing opening 560 (6 bar) (6 bar) 490 105 105 420 8 bar 8 bar 75 350 6 bar Z (mm) 280 280 60 60 4 bar 210 210 45 45 140 140 30

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