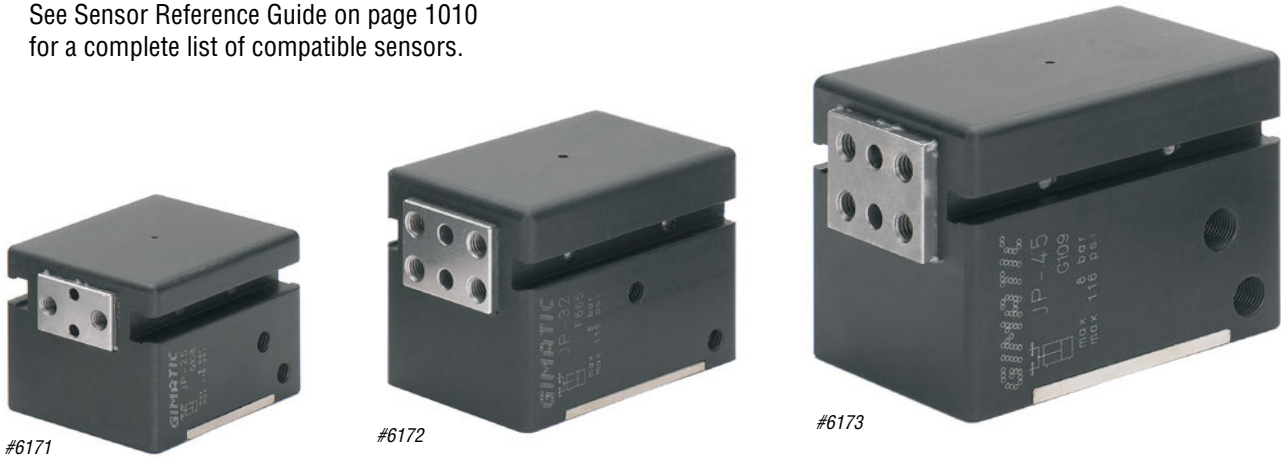# Parallel Gripper – JP

- 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.
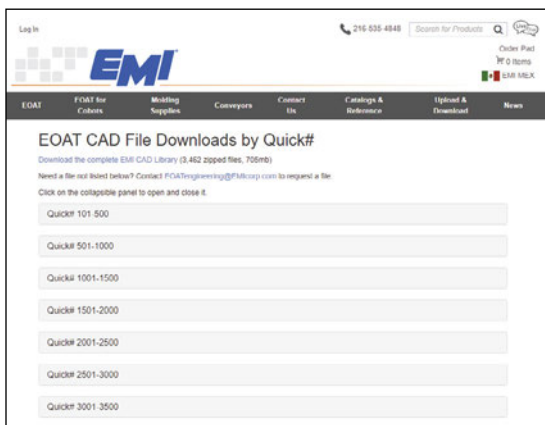
#6171

#6172

#6173

| 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 |

**Use Quick#s for easy online ordering.**

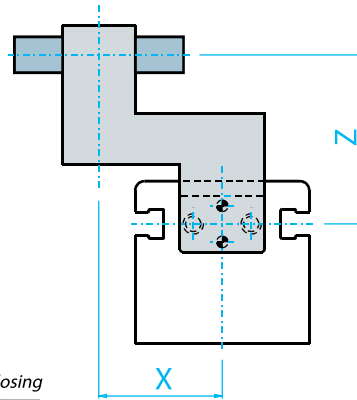## Building your own EOAT? Download the 3D CAD files you need to ensure an accurate design.

Our EOAT CAD Library has over 3,400 components and is updated daily. Download all or individual files, or preview them by Quick# with EMI's 360° View before downloading!

# Parallel Gripper – JP

## 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

opening

closing

opening (6 bar)

closing (6 bar)

### JP-32

opening

closing

opening (6 bar)

closing (6 bar)

### JP-45

opening

closing

opening (6 bar)

closing (6 bar)

**For more information visit: www.EMIcorp.com**