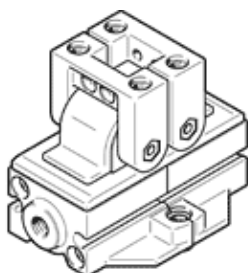


radial gripper HGRC-12-A

Part number: 565129
Product to be discontinued

FESTO

Type to be discontinued. Available until 2019. See Support Portal for alternative products.



Data sheet

| Feature | Value |
|---|---|
| Size | 12 |
| Max. replacement accuracy | ≤ 0.2 mm |
| Max. angular gripper jaw backlash ax,ay | ≤ 0.5 deg |
| Max. gripper jaw backlash Sz | ≤ 0.1 mm |
| Max. opening angle | 180 deg |
| Rotationally symmetrical | ≤ 0.2 mm |
| Repetition accuracy, gripper | ≤ 0.05 mm |
| Number of gripper fingers | 2 |
| Assembly position | Any |
| Mode of operation | double-acting |
| Gripper function | radial |
| Design structure | Rack and pinion guided motion sequence |
| Position detection | For proximity sensor |
| Operating pressure | 2 ... 8 bar |
| Max. operating frequency of gripper | ≤ 4 Hz |
| Min. opening time at 6 bar | 120 ms |
| Min. closing time at 6 bar | 100 ms |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| Ambient temperature | 5 ... 60 °C |
| Total gripping torque at 6 bar, opening | 22 Ncm |
| Total gripping torque at 6 bar, closing | 22 Ncm |
| Mass moment of inertia | 0.52 kgcm ² |
| Max. force on gripper jaw Fz static | 40 N |
| Max. torque at gripper Mx static | 2.5 Nm |
| Max. torque at gripper My static | 0.6 Nm |
| Max. torque at gripper Mz static | 2 Nm |
| Lubrication interval for guide components | 10 Mio SP |
| Product weight | 200 g |
| Mounting type | Internal thread and centring sleeve |
| Pneumatic connection | M5 |
| Materials note | Free of copper and PTFE Conforms to RoHS |
| Material housing | Zinc die-casting Painted |
| Material gripper jaws | Zinc die-casting Painted |