

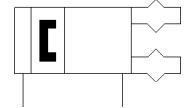
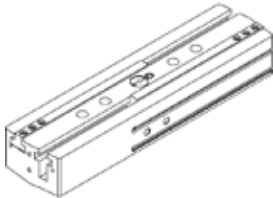
parallel gripper HGPL-14-80-A

Part number: 535853
Product to be discontinued

FESTO

sturdy, with long stroke.

Type to be discontinued. Available until 2016. See Support Portal for alternative products.



Data sheet

| Feature | Value |
|--|--|
| Size | 14 |
| Stroke per gripper jaw | 80 mm |
| Max. replacement accuracy | < 0.2 mm |
| Max. angular gripper jaw backlash ax,ay | < 0.2 deg |
| Max. gripper jaw backlash Sz | < 0.05 mm |
| Rotationally symmetrical | <= 0.2 mm |
| Repetition accuracy, gripper | < 0.03 mm |
| Number of gripper fingers | 2 |
| Assembly position | Any |
| Mode of operation | double-acting |
| Gripper function | Parallel |
| Design structure | twin piston Guide Piston slide T-shaped Rack and pinion |
| Position detection | For proximity sensor |
| Total force at 6 bar, opening | 126 N |
| Total force at 6 bar, closing | 158 N |
| Operating pressure | 3 ... 8 bar |
| Max. operating frequency of gripper | < 1 Hz |
| Min. opening time at 6 bar | 286 ms |
| Min. closing time at 6 bar | 270 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 |
| Ambient temperature | 5 ... 60 °C |
| Gripping force per gripper jaw at 6 bar, opening | 63 N |
| Gripping force per gripper jaw at 6 bar, closing | 79 N |
| Mass moment of inertia | 21.93 kgcm ² |
| Max. force on gripper jaw Fz static | 500 N |
| Max. torque at gripper Mx static | 35 Nm |
| Max. torque at gripper My static | 35 Nm |
| Max. torque at gripper Mz static | 35 Nm |
| Lubrication interval for guide components | 5 Mio SP |
| Max. ground per external gripper finger | 80 g |
| Product weight | 720 g |
| Mounting type | Internal thread and centring sleeve With through-hole and centring sleeve |
| Pneumatic connection | M5 |
| Materials note | Free of copper and PTFE |

| Feature | Value |
|--|------------------------------|
| | Conforms to RoHS |
| Materials information, housing | Aluminium Smooth anodised |
| Materials information for gripper jaws | Steel Hardened |