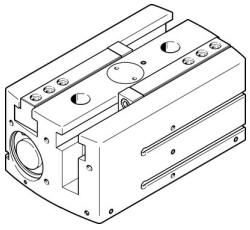
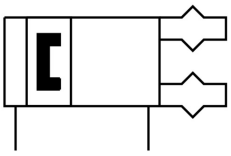
# Parallel gripper
# HGPL-40-60-A-B

Part number: 3361489

FESTO





## Data sheet

| Feature | Value |
|---|---|
| Size | 40 |
| Stroke per gripper jaw | 60 mm |
| Max. interchangeability | ‹0.2 mm |
| Max. gripper jaw angular play ax, ay | ‹0.2 deg |
| Max. gripper jaw backlash Sz | ‹0.05 mm |
| Rotational symmetry | ≤0.2 mm |
| Pneumatic gripper repetition accuracy | ‹0.03 mm |
| Type code | HGPL |
| Number of gripper jaws | 2 |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Gripper function | Parallel |
| Structural design | Twin piston<br>Guide<br>Piston gate valve<br>T-shape<br>Gear rack/pinion |
| Position sensing | For proximity sensor |
| Symbol | 00991894 |
| Total gripping force at 6 bar, opening | 1038 N |
| Total gripping force at 6 bar, closing | 1216 N |
| Operating pressure | 3 bar ... 8 bar |
| Max. operating frequency of pneumatic gripper | ‹1 Hz |
| Min. opening time at 6 bar | 430 ms |
| Min. closing time at 6 bar | 430 ms |
| Max. mass per external gripper finger | 420 g |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| Ambient temperature | 5 °C ... 60 °C |
| Gripping force per gripper jaw at 6 bar, opening | 519 N |
| Gripping force per gripper jaw at 6 bar, closing | 608 N |
| Mass moment of inertia | 118.3 kgcm² |
| Maximum force on gripper jaw Fz, static | 2500 N |
| Maximum torque on gripper jaw, Mx static | 125 Nm |
| Maximum torque on gripper jaw, My static | 80 Nm |
| Maximum torque on gripper jaw, Mz static | 100 Nm |

| Feature | Value |
|---|---|
| Relubrication interval for guidance elements | 5 MioCyc |
| Product weight | 4165 g |
| Type of mounting | With internal thread and centering sleeve<br>Via through-hole and centering sleeve |
| Pneumatic connection | M5 |
| Note on materials | Free of copper and PTFE<br>RoHS-compliant |
| Housing material | Aluminum<br>Smooth anodized |
| Gripper jaw material | Steel<br>Hardened |