

Angle gripper HGWM-12-EO-G7

Part number: 185700

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|---|
| Size | 12 |
| Max. angular gripper jaw backlash ax, ay | 0.5 deg |
| Max. gripper jaw backlash Sz | 0.03 mm |
| Max. opening angle | 18.5 deg |
| Repetition accuracy, gripper | ≤0.02 mm |
| Number of gripper jaws | 2 |
| Drive system | Pneumatic |
| Mode of operation | Single-acting Open |
| Gripper function | Bracket |
| Gripper force back-up | None |
| Design | Wedge-shaped drive |
| Position detection | None |
| Symbol | 00991897 |
| Operating pressure | 2 bar ... 8 bar |
| Max. operating frequency of gripper | 4 Hz |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 3.7 ms |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 1.8 ms |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:-:-] |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Ambient temperature | 5 °C ... 60 °C |
| Spring return moment | 0.013 Nm |
| Total gripper torque, closing, 0.6 MPa (6 bar, 87 psi) | 64 Ncm |
| Mass moment of inertia | 267 kgcm ² |
| Mass moment of inertia per external gripper finger | 560 kgcm ² |
| Max. force on gripper jaw Fz static | 20 N |
| Max. torque at gripper Mx static | 0.4 Nm |
| Max. torque at gripper My static | 0.4 Nm |
| Max. torque at gripper Mz static | 0.4 Nm |
| Max. mass per external gripper finger | 1000 g |
| Product weight | 52 g |
| Type of mounting | Via lock nut |
| Pneumatic connection | M3 |
| Note on materials | RoHS compliant |

| Feature | Value |
|-----------------------|----------------------------|
| Material cover cap | POM |
| Material housing | High-alloy stainless steel |
| Material gripper jaws | High-alloy steel |