

# Angle gripper HGWM-12-EO-G8

Part number: 185701

**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                                         |
| Mode of operation                                      | Single-acting<br>Open                     |
| Gripper function                                       | Angle                                     |
| Design                                                 | Wedge-shaped drive                        |
| Position detection                                     | Without                                   |
| 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                                 | 215.4 kgcm <sup>2</sup>                   |
| Mass moment of inertia per external gripper finger     | 560 kgcm <sup>2</sup>                     |
| 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                                         | 45 g                                      |
| Type of mounting                                       | Clamped                                   |
| Pneumatic connection                                   | M3                                        |
| Material cover cap                                     | POM                                       |
| Material housing                                       | High-alloy stainless steel                |
| Material gripper jaws                                  | High-alloy steel                          |