

# Radial gripper HGRT-40-A-G2

Part number: 563913

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                       | Value  |
|---|--|
| Size  | 40   |
| Max. interchangeability                       | ≤0.2 mm  |
| Max. gripper jaw angular play ax, ay          | ≤0.1 deg   |
| Max. opening angle                            | 180 deg  |
| Rotational symmetry                           | ≤0.2 mm  |
| Pneumatic gripper repetition accuracy         | ≤0.02 mm   |
| Number of gripper jaws                        | 2  |
| Mounting position                             | Any  |
| Mode of operation                             | Double-acting  |
| Gripper function                              | Radial   |
| Gripping force backup                         | During closing   |
| Structural design                             | Positively driven motion sequence                                  |
| Position sensing                              | For proximity sensor<br>For inductive proximity sensors            |
| Symbol  | 00991895   |
| Operating pressure                            | 4 bar ... 8 bar  |
| Max. operating frequency of pneumatic gripper | ≤2 Hz  |
| Min. opening time at 6 bar                    | 370 ms   |
| Min. closing time at 6 bar                    | 270 ms   |
| 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)              | 1 - Low corrosion stress   |
| LABS (PWIS) conformity                        | VDMA24364-B1/B2-L  |
| Ambient temperature                           | 5 °C ... 60 °C   |
| Mass moment of inertia                        | 15.26 kgcm <sup>2</sup>  |
| Maximum force on gripper jaw Fz, static       | 400 N  |
| Maximum torque on gripper jaw, My static      | 17.5 Nm  |
| Maximum torque on gripper jaw, Mz static      | 1.6 Nm   |
| Relubrication interval for guidance elements  | 10 MioCyc  |
| Product weight                                | 1770 g   |
| Type of mounting                              | With internal thread and centering sleeve                          |
| Pneumatic connection                          | G1/8   |
| Note on materials                             | RoHS-compliant   |
| Housing material                              | Wrought aluminum alloy, smooth-anodized                            |
| Gripper jaw material                          | Hardened steel   |