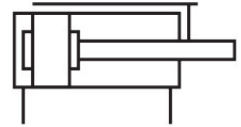
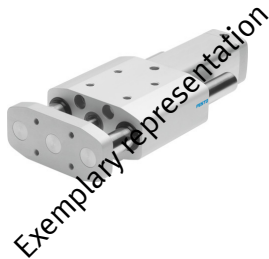



Guided drive DGRF-C-GF-20- -P

Part number: 562216

FESTO



 [General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|--|
| Stroke | 10 mm ... 400 mm |
| Piston diameter | 20 mm |
| Operating mode, drive unit | Yoke |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | optional |
| Guide | Plain-bearing guide |
| Design | Guidance |
| Symbol | 00991738 |
| Variants | For unlubricated operation |
| Operating pressure | 0.2 MPa ... 1 MPa |
| Operating pressure | 2 bar ... 10 bar |
| Mode of operation | Double-acting |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 3 - high corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Suitable for use with food | See supplementary material information |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in end positions | 0.2 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 141 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 189 N |
| Torsional backlash | 0.125 deg |
| Moving mass for 0 mm stroke | 417 g |
| Additional moving mass per 10 mm stroke | 37.7 g |
| Basic weight for 0 mm stroke | 885 g |
| Additional weight per 10 mm stroke | 52 g |
| Type of mounting | Either: With through-hole Via female thread |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Material cover | Wrought aluminium alloy |
| Material guide rod | High-alloy stainless steel |
| Material housing | Wrought aluminium alloy |

| Feature | Value |
|--------------------------|----------------------------|
| Material piston rod | High-alloy stainless steel |
| Material cylinder barrel | Wrought aluminium alloy |