

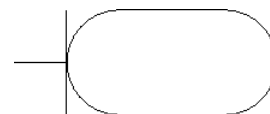
fluidic muscle

MAS-20- -

Part number: 534202

FESTO

Please note our simulation program MuscleSim in the download area on the Festo website.



Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|---|--|
| Size | 20 |
| Diameter expansion at max. contraction | 40 mm |
| Stroke | 0 ... 2,250 mm |
| Inside diameter | 20 mm |
| Max. contraction | 25% of nominal length |
| Max. initial tension | 3% of nominal length |
| Nominal length | 60 ... 9,000 mm |
| Permissible tolerance for parallelism | ≤ 2 mm as of a nominal length of 400 mm ±0.5% for nominal lengths of up to 400 mm |
| Permissible angular tolerance | ≤ 1 deg |
| Assembly position | Any |
| Design structure | Contractible membrane |
| Operating pressure | 0 ... 6 bar |
| Mode of operation | single-acting pulling action |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:-:] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| Ambient temperature | -5 ... 60 °C |
| Authorisation | TÜV |
| Theoretical muscular energy at maximum operating pressure | 1,500 N |
| Theoretical force at 6 bar | 1,500 N |
| Product weight for 0 m length | 239 g |
| Mounting type | with accessories |
| Materials information for locknut | Wrought Aluminium alloy neutral anodisation |
| Materials note | Free of copper and PTFE Contains PWIS substances Conforms to RoHS |
| Material information, sealing ring | NBR |
| Materials information for flange | Wrought Aluminium alloy blue anodised |
| Internal cone material information | Wrought Aluminium alloy neutral anodisation |
| Materials information for membrane | AR CR |
| Disc spring material information | Steel |