



## Guided drive □DFM-20-20-P-A-GF

URL:<https://www.sxplc.com/guided-drive-dfm-20-20-p-a-gf>

### Product data sheet

- **Distance from centre of gravity of load to yoke plate** xs50 mm
- **Stroke** 20 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
- **Position detection** Via proximity switch
- **Symbol** 00991737
- **Operating pressure** 0.2 MPa ... 1 MPa
- **Operating pressure** 2 bar ... 10 bar
- **Max. speed** 0.8 m/s
- **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 CRC1** - Low corrosion stress
- **LABS (PWIS) conformity**VDMA24364-B1/B2-L
- **Cleanroom class**Class 7 according to ISO 14644-1
- **Ambient temperature**-20 °C ... 80 °C
- **Impact energy in end positions**0.2 J
- **Max. force Fy**354.7 N
- **Max. force Fy static**354.7 N
- **Max. force Fz**354.7 N
- **Max. force Fz static**354.7 N
- **Max. moment Mx**10.29 Nm
- **Max. torque Mx static**10.29 Nm
- **Max. moment My**3.37 Nm
- **Max. torque My static**3.37 Nm
- **Max. moment Mz**3.37 Nm
- **Max. torque Mz static**3.37 Nm
- **Max. permissible torque load Mx as a function of stroke**1.61 Nm
- **Max. effective load dependent upon stroke at defined distance**  
xs30 N
- **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**188  
N

- **Moving mass**385 g
- **Product weight**769 g
- **alternative connections**See product drawing
- **Pneumatic connection**M5
- **Note on materials**RoHS-compliant
- **Material cover**Wrought aluminium alloy
- **Material seals**NBR
- **Material housing**Wrought aluminium alloy
- **Material piston rod**High-alloy stainless steel

