

Guided drive DFM-32-80-P-A-GF

Part number: 170859

FESTO



[PDF](#) General operating condition

Data sheet

Feature	Value
Distance of centre of gravity of payload to yoke plate xs	50 mm
Stroke	80 mm
Piston diameter	32 mm
Drive unit operating mode	Yoke
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Guide	Plain-bearing guide
Structural design	Guide
Position sensing	Via proximity switch
Symbol	00991737
Operating pressure	0.15 MPa ... 1 MPa
Operating pressure	1.5 bar ... 10 bar
Max. speed	0.8 m/s
Mode of operation	Double-acting
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
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Ambient temperature	-20 °C ... 80 °C
Impact energy in the end positions	0.4 J
Max. force Fy	1227 N
Max. force Fy static	1227 N
Max. force Fz	1227 N
Max. force Fz static	1227 N
Max. torque Mx	47.84 Nm
Max. static moment Mx	47.84 Nm
Max. torque My	35.57 Nm
Max. static moment My	35.57 Nm
Max. torque Mz	35.57 Nm
Max. static moment Mz	35.57 Nm
Max. permissible torque load Mx as a function of the stroke	8.01 Nm
Max. payload as a function of the stroke at defined distance xs	166 N
Theoretical force at 6 bar, retracting	415 N
Theoretical force at 6 bar, advancing	482 N
Moving mass	1450 g

Feature	Value
Product weight	2808 g
Alternative connections	See product drawing
Pneumatic connection	G1/8
Note on materials	RoHS compliant
Cover material	Wrought aluminum alloy
Seals material	NBR
Housing material	Wrought aluminum alloy
Piston rod material	high-alloy stainless steel