

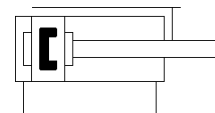
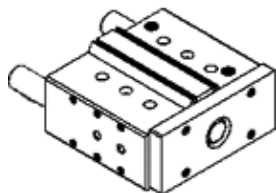
guided drive DFM-80-50-P-A-GF

Part number: 170886

FESTO

With integrated guide.

The proximity switch, type SMTSO-8E, can be used with this product with stroke lengths equal to or greater than 50 mm. The corresponding mounting kit, type SMB-8E, is mounted inwardly or outwardly.



Data sheet

Feature	Value
Centre of gravity distance from working load to yoke plate	125 mm
Stroke	50 mm
Piston diameter	80 mm
Operating mode of drive unit	Yoke
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Guide	Plain-bearing guide
Design structure	Guide
Position detection	For proximity sensor
Operating pressure MPa	0.05 ... 1 MPa
Operating pressure	0.5 ... 10 bar
Max. speed	0.4 m/s
Mode of operation	double-acting
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	0.75 Nm
Max. force Fy	2,320 N
Max. force Fy static	2,320 N
Max. force Fz	2,320 N
Max. force Fz static	2,320 N
Max. torque Mx	179.8 Nm
Max. torque Mx static	179.8 Nm
Max. torque My	91.64 Nm
Max. torque My static	91.64 Nm
Max. torque Mz	91.64 Nm
Max. torque Mz static	91.64 Nm
Max. permissible torque load Mx as a function of the stroke	40.09 Nm
Max. useful load as a function of the stroke at defined distance xs	311 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	2,827 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	3,016 N
Moving mass	4,717 g
Product weight	8,185 g
alternative connections	See product drawing
Pneumatic connection	G3/8
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material seals	NBR
Material housing	Wrought Aluminium alloy
Material piston rod	High alloy steel, non-corrosive