

# Guide cylinder

## DFM-50-100-P-A-GF

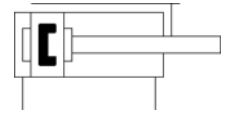
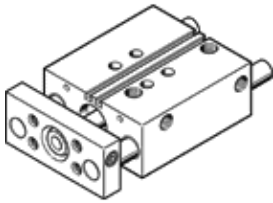
Part number: 170874

★ Core product range

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.

With integral guide.

FESTO



## Data sheet

Feature	values
Centre of gravity distance from working load to yoke plate	50 mm
Stroke	100 mm
Piston diameter	50 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
Working pressure	1 ... 10 bar
Max. speed	0.6 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	2
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	1 Nm
Max. torque Mx	11.6 Nm
Max. useful load as a function of the stroke at defined distance xs	212 N
Theoretical force at 6 bar, return stroke	1,057 N
Theoretical force at 6 bar, advance stroke	1,178 N
Moving mass	2,910 g
Product weight	5,434 g
alternative connections	See product drawing
Pneumatic connection	G1/4
Materials note	Conforms to RoHS
Materials information for cover	Wrought Aluminum alloy
Materials information for seals	NBR
Materials information, housing	Wrought Aluminum alloy
Materials information for piston rod	High alloy steel, non-corrosive