

guided drive DFM-12-10-P-A-GF

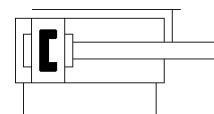
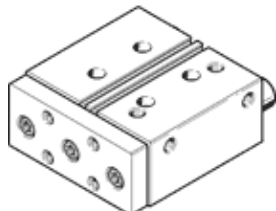
Part number: 170824

★ Core product range

With integrated guide.

The proximity switch, type SMTSO-8E, is not suitable for this product.

FESTO



Data sheet

Feature	Value
Centre of gravity distance from working load to yoke plate	25 mm
Stroke	10 mm
Piston diameter	12 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	2 ... 10 bar
Max. speed	0.8 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
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	0.07 Nm
Max. permissible torque load M_x as a function of the stroke	0.6 Nm
Max. useful load as a function of the stroke at defined distance x_s	28 N
Theoretical force at 6 bar, return stroke	51 N
Theoretical force at 6 bar, advance stroke	68 N
Moving mass	172 g
Product weight	344 g
alternative connections	See product drawing
Pneumatic connection	M5
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