

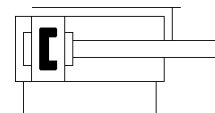
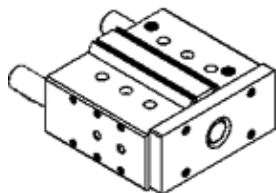
# guided drive DFM-100-100-P-A-GF

Part number: 170895

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	100 mm
Piston diameter	100 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	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
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	1 Nm
Max. permissible torque load $M_x$ as a function of the stroke	50.1 Nm
Max. useful load as a function of the stroke at defined distance $x_s$	533 N
Theoretical force at 6 bar, return stroke	4,418 N
Theoretical force at 6 bar, advance stroke	4,712 N
Moving mass	8,523 g
Product weight	15,760 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