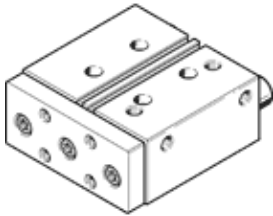# Guide cylinder
DFM-32-30-P-A-KF

Part number: 170931

★ Core product range

With integral guide.
The proximity switch, type SMTSO-8E, can be used with this product with stroke lengths of 20 to 40 mm only when the corresponding mounting kit, type SMB-8E, is mounted outwardly.

FESTO

Data sheet

Feature	Value
Centre of gravity distance from working load to yoke plate	50 mm
Stroke	30 mm
Piston diameter	32 mm
Operating mode of drive unit	Yoke
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Guide
Position detection	For proximity sensor
Operating pressure MPa	0.15 ... 1 MPa
Working pressure	1.5 ... 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	0 - No corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-5 ... 60 °C
Impact energy in end positions	0.4 Nm
Max. force Fy	1,130 N
Max. force Fy static	1,260 N
Max. force Fz	1,130 N
Max. force Fz static	1,260 N
Max. torque Mx	44.09 Nm
Max. torque Mx static	49.14 Nm
Max. torque My	18.66 Nm
Max. torque My static	20.79 Nm
Max. torque Mz	18.66 Nm
Max. torque Mz static	20.79 Nm
Max. permissible torque load Mx as a function of the stroke	8.6 Nm
Max. useful load as a function of the stroke at defined distance xs	144 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	415 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	482 N
Moving mass	915 g
Product weight	1,755 g
Centre of gravity of the moving mass as a function of the stroke	29.8 mm
alternative connections	See product drawing
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover	Wrought Aluminum alloy
Material seals	NBR
Material housing	Wrought Aluminum alloy
Material piston rod	High alloy steel, non-corrosive