

Mini slide

SLF-10-20-P-A

Part number: 170507

FESTO

Flat design with precision ball-bearing guide and adjustable end stops.



Data sheet

Feature	Value
Stroke	20 mm
Adjustable end-position range/length	5 mm
Piston diameter	10 mm
Operating mode of drive unit	Yoke
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Guide	Ball bearing cage guide
Design structure	Yoke Piston Piston rod Ball cage guide Slide
Position detection	For proximity sensor
Operating pressure MPa	0.1 ... 1 MPa
Working pressure	1 ... 10 bar
Operating pressure	14.5 ... 145 psi
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-B2-L
Ambient temperature	-20 ... 60 °C
Impact energy in end positions	0.05 Nm
Max. force F _y	150 N
Max. force F _z	150 N
Max. torque M _x	1.1 Nm
Max. torque M _y	1.1 Nm
Max. torque M _z	0.7 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	40 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	47 N
Moving mass	48 g
Product weight	156 g
Basic weight for 0 mm stroke	156 g
alternative connections	See product drawing
Mounting type	with through hole
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Wrought Aluminum alloy
Material seals	HNBR
Material housing	Wrought Aluminum alloy
Material piston rod	High alloy steel, non-corrosive