

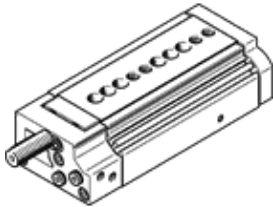
mini slide

DGSL-12-50-P1A

Part number: 543973

FESTO

For position sensing, with highly accurate, durable ball-cage guide and very high repetition accuracy, flexible damping on both sides with metallic end position (P1).



Data sheet

Feature	Value
Stroke	50 mm
Adjustable endposition range/front length	29 mm
Adjustable endposition range/rear length	25.5 mm
Piston diameter	16 mm
Operating mode of drive unit	Yoke
Cushioning	P1: Flexible cushioning rings/plates with stop at both ends
Assembly position	Any
Guide	Ball bearing cage guide
Design structure	Yoke Piston Piston rod Slide
Position detection	For proximity sensor
Operating pressure MPa	0.1 ... 0.8 MPa
Operating pressure	1 ... 8 bar
Max. speed	0.8 m/s
Repetition accuracy	±0,01 mm
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	0 ... 60 °C
Impact energy in end positions	0.06 Nm
Cushioning length	3.7 mm
Max. force Fy	1,200 N
Max. force Fz	1,200 N
Max. torque Mx	18 Nm
Max. torque My	12 Nm
Max. torque Mz	12 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	104 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	121 N
Moving mass	340 g
Product weight	853 g
alternative connections	See product drawing
Mounting type	with through hole
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material seals	HNBR
Material housing	Wrought Aluminium alloy
Material piston rod	High alloy steel, non-corrosive