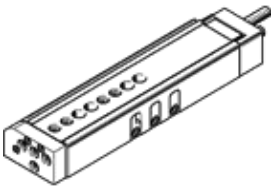
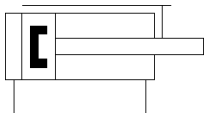
mini slide
DGSL-8-80-P1A

Part number: 543937

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	80 mm
Adjustable endposition range/front length	51.5 mm
Adjustable endposition range/rear length	18.5 mm
Piston diameter	10 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	1.5 ... 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
Ambient temperature	0 ... 60 °C
Impact energy in end positions	0.03 Nm
Cushioning length	3.1 mm
Max. force Fy	971 N
Max. force Fz	971 N
Max. torque Mx	10 Nm
Max. torque My	8 Nm
Max. torque Mz	8 Nm
Theoretical force at 6 bar, return stroke	40 N
Theoretical force at 6 bar, advance stroke	47 N
Moving mass	185 g
Product weight	464 g
alternative connections	See product drawing
Mounting type	with through hole
Pneumatic connection	M3
Materials note	Free of copper and PTFE Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material seals	HNBR
Material housing	Wrought Aluminium alloy
Material piston rod	High alloy steel, non-corrosive