

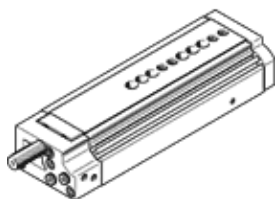
# mini slide

## DGSL-12-80-PA

Part number: 543966

FESTO

With position sensing, highly accurate, durable ball-cage guide, flexible damping on both sides without metallic end position (P).



## Data sheet

Feature	Value
Stroke	80 mm
Adjustable endposition range/front length	68 mm
Adjustable endposition range/rear length	25.5 mm
Piston diameter	16 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 Slide
Position detection	For proximity sensor
Operating pressure	1 ... 8 bar
Max. speed	0.8 m/s
Repetition accuracy	0,3 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	0.25 Nm
Cushioning length	1 mm
Max. force F <sub>y</sub>	1,280 N
Max. force F <sub>z</sub>	1,280 N
Max. torque M <sub>x</sub>	20 Nm
Max. torque M <sub>y</sub>	15 Nm
Max. torque M <sub>z</sub>	15 Nm
Theoretical force at 6 bar, return stroke	104 N
Theoretical force at 6 bar, advance stroke	121 N
Moving mass	456 g
Product weight	1,158 g
alternative connections	See product drawing
Mounting type	with through hole
Pneumatic connection	M5
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