

# Mini slide

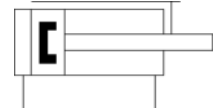
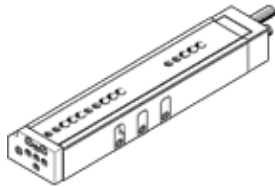
## DGSL-12-150-P1A

Part number: 543976

★ Core product range

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).

FESTO



## Data sheet

Feature	values
Stroke	150 mm
Adjustable end position range/front length	87 mm
Adjustable end position 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 kinematics
Position detection	For proximity sensor
Working 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
Ambient temperature	0 ... 60 °C
Impact energy in end positions	0.06 Nm
Cushioning length	3.7 mm
Max. force F <sub>y</sub>	1,400 N
Max. force F <sub>z</sub>	1,400 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	614 g
Product weight	1,539 g
alternative connections	See product drawing
Mounting type	with through hole
Pneumatic connection	M5
Materials note	Free of copper and PTFE Conforms to RoHS
Materials information for cover	Wrought Aluminum alloy
Materials information for seals	HNBR
Materials information, housing	Wrought Aluminum alloy
Materials information for piston rod	High alloy steel, non-corrosive