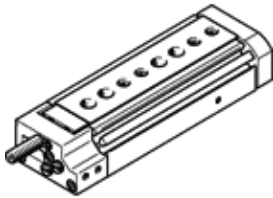# Mini slide
DGSL-N-10-40-P1A
Part number: 566302
Product to be discontinued

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).

Type to be discontinued. Available until 2022. See Support Portal for alternative products.

Data sheet

Feature	Value
Stroke	40 mm
Adjustable end position range/front length	27.5 mm
Adjustable end position range/rear length	20 mm
Piston diameter	12 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
Working 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	0.04 Nm
Cushioning length	3.4 mm
Max. force F_y	1,152 N
Max. force F_z	1,152 N
Max. torque M_x	15 Nm
Max. torque M_y	9 Nm
Max. torque M_z	9 Nm
Theoretical force at 6 bar, return stroke	51 N
Theoretical force at 6 bar, advance stroke	68 N
Moving mass	208 g
Product weight	531 g
alternative connections	See product drawing
Mounting type	with through hole
Pneumatic connection	M5 suitable for fitting with 10-32 UNF-2B
Materials note	Free of copper and PTFE Conforms to RoHS
Material cover	Wrought Aluminum alloy
Material seals	HNBR
Material housing	Wrought Aluminum alloy
Material piston rod	High alloy steel, non-corrosive