

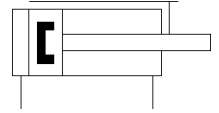
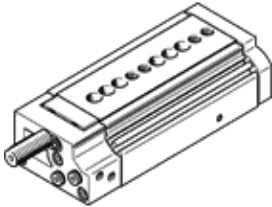
# Mini slide DGSL-N-16-50-P1A

Part number: 566318  
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	50 mm
Adjustable end position range/front length	37.5 mm
Adjustable end position range/rear length	39.5 mm
Piston diameter	20 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 ... 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	0.12 Nm
Cushioning length	4.2 mm
Max. force F <sub>y</sub>	2,780 N
Max. force F <sub>z</sub>	2,780 N
Max. torque M <sub>x</sub>	40 Nm
Max. torque M <sub>y</sub>	25 Nm
Max. torque M <sub>z</sub>	25 Nm
Theoretical force at 6 bar, return stroke	158 N
Theoretical force at 6 bar, advance stroke	188 N
Moving mass	519 g
Product weight	1,223 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