

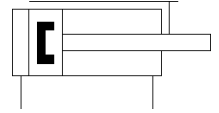
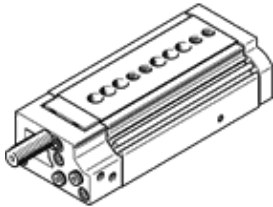
mini slide

DGSL-16-50-Y3A

Part number: 544001

FESTO

For position sensing, with highly accurate, durable ball-cage guide and very high repetition accuracy, hydraulic shock absorbers on both sides (Y3).



Data sheet

Feature	Value
Stroke	50 mm
Adjustable endposition range/front length	36.5 mm
Adjustable endposition range/rear length	38.5 mm
Piston diameter	20 mm
Operating mode of drive unit	Yoke
Cushioning	Y3: Shock absorber at both ends, progressive
Assembly position	Any
Guide	Ball bearing cage guide
Design structure	Yoke Piston Piston rod Slide
Position detection	For proximity sensor
Operating pressure MPa	0.1 ... 0.8 MPa
Operating 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
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	0 ... 60 °C
Impact energy in end positions	4 Nm
Cushioning length	14 mm
Max. force Fy	2,780 N
Max. force Fz	2,780 N
Max. torque Mx	40 Nm
Max. torque My	25 Nm
Max. torque Mz	25 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	158 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	188 N
Moving mass	519 g
Product weight	1,211 g
alternative connections	See product drawing
Mounting type	with through hole
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material seals	HNBR
Material housing	Wrought Aluminium alloy
Material piston rod	High alloy steel, non-corrosive