

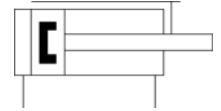
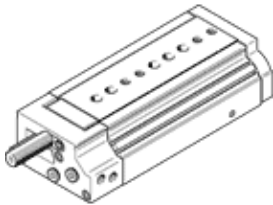
# Mini slide DGSL-25-80-Y3A

Part number: 544051

★ Core product range

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

FESTO



## Data sheet

Feature	values
Stroke	80 mm
Adjustable end position range/front length	111 mm
Adjustable end position range/rear length	51.5 mm
Piston diameter	32 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 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	10 Nm
Cushioning length	20 mm
Max. force F <sub>y</sub>	4,700 N
Max. force F <sub>z</sub>	4,700 N
Max. torque M <sub>x</sub>	130 Nm
Max. torque M <sub>y</sub>	80 Nm
Max. torque M <sub>z</sub>	80 Nm
Theoretical force at 6 bar, return stroke	415 N
Theoretical force at 6 bar, advance stroke	483 N
Moving mass	1,567 g
Product weight	4,175 g
alternative connections	See product drawing
Mounting type	with through hole
Pneumatic connection	G1/8
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