

# mini slide

## DGST-12-100-Y12A

Part number: 8085175

★ Core product range

FESTO



## Data sheet

Feature	Value
Stroke	100 mm
Adjustable endposition range/front length	16.7 mm
Adjustable endposition range/rear length	15.2 mm
Piston diameter	12 mm
Operating mode of drive unit	Yoke
Cushioning	Y12: external hydraulic cushioning
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	twin piston Yoke Piston rod Slide
Position detection	For proximity sensor
Operating pressure MPa	0.1 ... 0.8 MPa
Operating pressure	1 ... 8 bar 14.5 ... 116 psi
Max. speed	0.8 m/s
Repetition accuracy	≤ 0,02 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	1 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-10 ... 60 °C
Impact energy in end positions	1.4 J
Cushioning length	5 mm
Max. force F <sub>y</sub>	620 N
Max. force F <sub>z</sub>	620 N
Max. torque M <sub>x</sub>	10 Nm
Max. torque M <sub>y</sub>	6.8 Nm
Max. torque M <sub>z</sub>	6.8 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	102 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	136 N
Moving mass	481 g
Product weight	1,020 g
Mounting type	with through hole
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material seals	HNBR
Material of guide	POM High alloy steel TPE-E
Material housing	Wrought Aluminium alloy
Material piston rod	High alloy steel, non-corrosive