

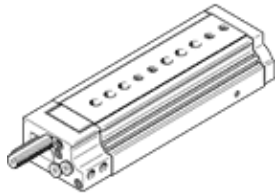
mini slide

DGSL-N-20-100-EA

Part number: 570242
Product to be discontinued

FESTO

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



Data sheet

Feature	Value
Stroke	100 mm
Adjustable endposition range/front length	50.5 mm
Adjustable endposition range/rear length	5.5 mm
Piston diameter	25 mm
Operating mode of drive unit	Yoke
Cushioning	Short elastic cushioning rings/pads at both ends
Assembly position	Any
Guide	Ball bearing cage guide
Design structure	Yoke Piston Piston rod Slide
Position detection	For proximity sensor
Operating pressure	1 ... 8 bar
Max. speed	0.8 m/s
Repetition accuracy	0,3 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	0.45 Nm
Cushioning length	1.2 mm
Max. force F _y	4,200 N
Max. force F _z	4,200 N
Max. torque M _x	85 Nm
Max. torque M _y	80 Nm
Max. torque M _z	80 Nm
Theoretical force at 6 bar, return stroke	247 N
Theoretical force at 6 bar, advance stroke	295 N
Moving mass	1,254 g
Product weight	2,983 g
alternative connections	See product drawing
Mounting type	with through hole
Pneumatic connection	1/8 NPT
Materials note	Free of copper and PTFE Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material seals	HNBR
Material housing	Wrought Aluminium alloy
Material piston rod	High alloy steel, non-corrosive