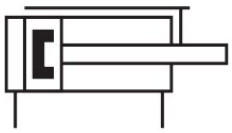
Mini slide
DGSL-16-50-EA

Part number: 570191





Data sheet

Feature	Value
Stroke	50 mm
Adjustable end position range/length front	3.5 mm
Adjustable end position range/length rear	5.5 mm
Piston diameter	20 mm
Operating mode, drive unit	Yoke
Cushioning	Short elastic cushioning rings/pads at both ends
Mounting position	optional
Guide	Ball bearing cage guide
Design	Yoke Piston Piston rod Slide
Position detection	Via proximity switch
Operating pressure	0.1 MPa...0.8 MPa 1 bar...8 bar
Max. speed	0.8 m/s
Repetition accuracy	0.3 mm
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 7 according to ISO 14644-1
Ambient temperature	0 °C...60 °C
Impact energy in end positions	0.35 Nm
Cushioning length	1.2 mm
Max. force Fy	2780 N
Max. force Fz	2780 N
Max. moment Mx	40 Nm
Max. moment My	25 Nm
Max. moment Mz	25 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	158 N

Feature	Value
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	188 N
Moving mass	519 g
Product weight	1173 g
alternative connections	See product drawing
Type of mounting	With through-hole
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	HNBR
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel