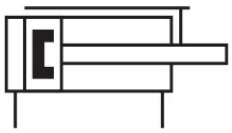
Mini slide
DGSL-16-100-P1A

Part number: 543997





General operating condition

Mini slide

Product details

Category page

Spare parts

Data sheet

Feature	Value
Stroke	100 mm
Adjustable end position range/length front	72.5 mm
Adjustable end position range/length rear	39.5 mm
Piston diameter	20 mm
Operating mode, drive unit	Yoke
Cushioning	Elastic cushioning rings/pads at both ends with fixed stop
Mounting position	Any
Guide	Ball bearing cage guide
Design	Yoke Piston Piston rod Slide
Position detection	Via proximity switch
Symbol	00991263
Operating pressure	0.1 MPa ... 0.8 MPa
Operating pressure	1 bar ... 8 bar
Max. speed	0.8 m/s
Repetition accuracy	±0.01 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 6 according to ISO 14644-1
Ambient temperature	0 °C ... 60 °C
Impact energy in end positions	0.12 J
Cushioning length	4.2 mm
Max. force Fy	2850 N
Max. force Fz	2850 N
Max. moment Mx	50 Nm
Max. moment My	43 Nm

Feature	Value
Max. moment Mz	43 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	158 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	188 N
Moving mass	776 g
Product weight	1792 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