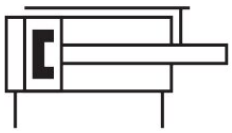
Mini slide
DGSL-25-100-Y3A

Part number: 544052





Data sheet

Feature	Value
Stroke	100 mm
Adjustable end position range/length front	111 mm
Adjustable end position range/length rear	51.5 mm
Piston diameter	32 mm
Operating mode, drive unit	Yoke
Cushioning	Progressive shock absorber 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	±0.01 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 7 according to ISO 14644-1
Ambient temperature	0 °C...60 °C
Impact energy in end positions	10 Nm
Cushioning length	20 mm
Max. force Fy	4750 N
Max. force Fz	4750 N
Max. moment Mx	130 Nm
Max. moment My	80 Nm
Max. moment Mz	80 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	415 N

Feature	Value
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	483 N
Moving mass	1761 g
Product weight	4675 g
alternative connections	See product drawing
Type of mounting	With through-hole
Pneumatic connection	G1/8
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