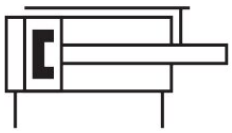
Mini slide
DGSL-20-50-Y3A

Part number: 544025





Data sheet

Feature	Value
Stroke	50 mm
Adjustable end-position range/front length	44 mm
Adjustable end-position range/rear length	42 mm
Piston diameter	25 mm
Drive unit operating mode	Yoke
Cushioning	Progressive pneumatic shock absorbers at both ends
Mounting position	Any
Guide	Ball bearing cage guide
Structural design	Yoke Piston Piston rod Slide
Position sensing	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 as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	0 °C...60 °C
Impact energy in the end positions	7 Nm
Cushioning length	17 mm
Max. force Fy	3816 N
Max. force Fz	3816 N
Max. torque Mx	70 Nm
Max. torque My	50 Nm
Max. torque Mz	50 Nm
Theoretical force at 6 bar, retracting	247 N
Theoretical force at 6 bar, advancing	295 N

Feature	Value
Moving mass	858 g
Product weight	2099 g
Alternative connections	See product drawing
Type of mounting	With through-hole
Pneumatic connection	G1/8
Note on materials	RoHS compliant
Cover material	Wrought aluminum alloy
Seals material	HNBR
Housing material	Wrought aluminum alloy
Piston rod material	high-alloy stainless steel