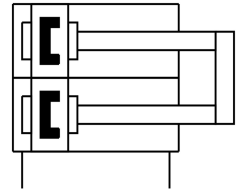


# Mini slide DGST-20- -

Part number: 8073896

FESTO



## Data sheet

Feature	Value
Stroke	10 mm...200 mm
Adjustable end-position range/front length	6.45 mm...32.9 mm
Adjustable end-position range/rear length	7 mm...31.1 mm
Piston diameter	20 mm
Drive unit operating mode	Yoke
Cushioning	Short elastic cushioning rings/pads at both ends Elastomer cushioning, at both ends, stroke not adjustable Elastic cushioning rings/pads at both ends Elastic cushioning rings/pads at both ends with fixed stop External hydraulic cushioning
Mounting position	Any
Guide	Ball bearing cage guide
Structural design	Twin piston Yoke Piston rod Slide
Position sensing	For proximity sensor
Variants	Metals with copper, zinc or nickel as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils.
Operating pressure	0.1 MPa...0.8 MPa 1 bar...8 bar 14.5 psi...116 psi
Max. speed	0.5 m/s...0.8 m/s
Repetition accuracy	≤ 0.3 mm ≤ 0.02 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)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Suitability for the production of Li-ion batteries	Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils

<b>Feature</b>	<b>Value</b>
Cleanroom class	Class 7 according to ISO 14644-1
Ambient temperature	-10 °C...60 °C
Impact energy in the end positions	0.2 J...3 J
Cushioning length	1 mm...8 mm
Max. force Fy	930 N...1600 N
Max. force Fz	930 N...1600 N
Max. torque Mx	9 Nm...20 Nm
Max. torque My	10 Nm...18 Nm
Max. torque Mz	10 Nm...18 Nm
Theoretical force at 6 bar, retracting	317 N
Theoretical force at 6 bar, advancing	377 N
Moving mass	440 g...1532.5 g
Product weight	970 g...3420 g
Type of mounting	With through-hole
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	HNBR
Guide material	POM TPE-E High-alloy steel
Housing material	Wrought aluminum alloy
Piston rod material	High-alloy stainless steel