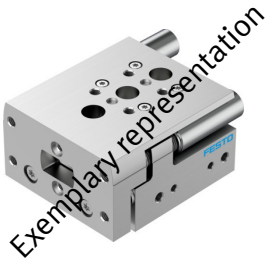
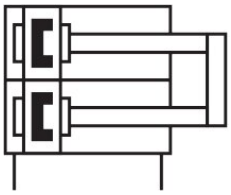
Mini slide
DGST-16- -

Part number: 8073895





General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10 mm ... 150 mm
Adjustable end-position range/front length	6.2 mm ... 22.8 mm
Adjustable end-position range/rear length	6.35 mm ... 21.5 mm
Piston diameter	16 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	Recirculating ball bearing guide
Structural design	Twin piston Yoke Piston rod Slide
Position sensing	For proximity sensor
Symbol	00991249
Variants	Metals with copper, zinc or nickel by mass 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
Operating pressure	1 bar ... 8 bar
Operating pressure	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	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Cleanroom class	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C ... 60 °C

Feature	Value
Impact energy in the end positions	0.06 J ... 2 J
Cushioning length	0.65 mm ... 5 mm
Max. force Fy	820 N ... 960 N
Max. force Fz	820 N ... 960 N
Max. torque Mx	11.3 Nm ... 14 Nm
Max. torque My	7 Nm ... 16 Nm
Max. torque Mz	7 Nm ... 16 Nm
Theoretical force at 6 bar, retracting	207 N
Theoretical force at 6 bar, advancing	241 N
Moving mass	235 g ... 701 g
Product weight	454 g ... 1484 g
Type of mounting	With through-hole
Pneumatic connection	M5
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