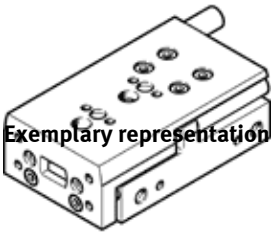
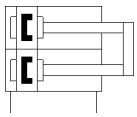
Mini slide
DGST-8- -

Part number: 8073892



Exemplary representation



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10 ... 80 mm
Adjustable end position range/front length	6.05 ... 16.3 mm
Adjustable end position range/rear length	6.9 ... 15.7 mm
Piston diameter	8 mm
Operating mode of drive unit	Yoke
Cushioning	Short elastic cushioning rings/pads at both ends Elastomer cushioning, at both ends, stroke not adjustable P: Flexible cushioning rings/plates at both ends P1: Flexible cushioning rings/plates with stop at both ends Y12: external hydraulic cushioning
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	twin piston Yoke Piston rod Slide
Position detection	For proximity sensor
Variants	Recommended for production facilities for the manufacture of lithium-ion batteries
Operating pressure MPa	0.15 ... 0.8 MPa
Working pressure	1.5 ... 8 bar
Operating pressure	21.75 ... 116 psi
Max. speed	0.5 ... 0.8 m/s
Repetition accuracy	<= 0,3 mm <= 0,02 mm
Mode of operation	double-acting
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 7
Ambient temperature	-10 ... 60 °C
Impact energy in end positions	0.02 ... 0.4 Nm
Cushioning length	1.6 ... 4 mm
Max. force Fy	250 ... 375 N
Max. force Fz	250 ... 375 N
Max. torque Mx	2 ... 3.2 Nm
Max. torque My	2 ... 3 Nm
Max. torque Mz	2 ... 3 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	45 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	60 N
Moving mass	69 ... 163.4 g

Feature	Value
Product weight	129 ... 326.8 g
Mounting type	with through hole
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Wrought Aluminum alloy
Material seals	HNBR
Material of guide	POM High alloy steel TPE-E
Material housing	Wrought Aluminum alloy
Material piston rod	High alloy steel, non-corrosive