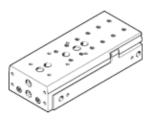
Mini slide DGST-16-80-Y12A Part number: 8085179 ★ Core product range







Data sheet

Feature	Value
Stroke	80 mm
Adjustable end position range/front length	16.9 mm
Adjustable end position range/rear length	15.5 mm
Piston diameter	16 mm
Operating mode of drive unit	Yoke
Cushioning	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
Operating pressure MPa	0.1 0.8 MPa
Working pressure	1 8 bar
Operating pressure	14.5 116 psi
Max. speed	0.8 m/s
Repetition accuracy	<= 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 Corrosion resistance classification CRC	Lubricated operation possible (subsequently required for further
	operation)
	1 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
,	-10 60 °C
Ambient temperature Impact energy in end positions	
	2 J
Cushioning length	5 mm
Max. force Fy	920 N
Max. force Fz	920 N
Max. torque Mx	12 Nm
Max. torque My	10 Nm
Max. torque Mz	10 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	207 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	241 N
Moving mass	495 g
Product weight	996 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