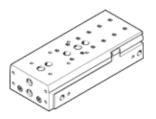
Mini slide DGST-12-80-Y12A Part number: 8085174 ★ Core product range







Data sheet

Feature	Value
Stroke	80 mm
Adjustable end position range/front length	16.7 mm
Adjustable end position range/rear length	15.2 mm
Piston diameter	12 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	Lubricated operation possible (subsequently required for further
	operation)
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-10 60 °C
Impact energy in end positions	1.4 J
Cushioning length	5 mm
Max. force Fy	600 N
Max. force Fz	600 N
Max. torque Mx	8.9 Nm
Max. torque My	6.5 Nm
Max. torque Mz	6.5 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	102 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	136 N
Moving mass	376 g
Product weight	808 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	РОМ
	High alloy steel
	TPE-E
Material housing	Wrought Aluminum alloy
Material piston rod	High alloy steel, non-corrosive