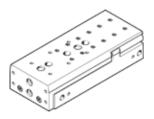
Mini slide DGST-20-100-PA Part number: 8085145 ★ Core product range







Data sheet

Feature	Value
Stroke	100 mm
Adjustable end position range/front length	32.9 mm
Adjustable end position range/rear length	31.1 mm
Piston diameter	20 mm
Operating mode of drive unit	Yoke
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Guide	Ball bearing cage 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	<= 0,3 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	0.35 J
Cushioning length	1.2 mm
Max. force Fy	1,160 N
Max. force Fz	1,160 N
Max. torque Mx	18 Nm
Max. torque My	11 Nm
Max. torque Mz	11 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	317 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	377 N
Moving mass	962.5 g
Product weight	2,107 g
Mounting type	with through hole
Pneumatic connection	G1/8
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