

Flat cylinder DZH-20-320-PPV-A

Part number: 151143

FESTO



Data sheet

Feature	Value
Stroke	320 mm
Piston diameter	20 mm Equivalent diameter
Piston rod thread	M8
Torsional backlash at piston rod +/-	2.6 deg
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	optional
Mode of operation	Double-acting
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Variants	Piston rod at one end
Protection against torque/guide	Oval piston
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	-20 °C...80 °C
Cushioning length	17 mm
Max. torque for protection against torsion	0.6 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	158 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	188 N
Moving mass	198 g
Product weight	743 g
Additional weight per 10 mm stroke	15.9 g
Basic weight for 0 mm stroke	234 g
Type of mounting	Either: Via female thread With accessories

Feature	Value
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material cover	Aluminium
Material seals	TPE-U(PU)
Material housing	Aluminium
Material piston seal	TPE-U(PU)
Material piston rod	High-alloy steel