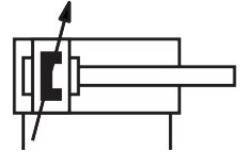


Flat cylinder DZH-32-160-PPV-A

Part number: 14047

FESTO



Data sheet

Feature	Value
Stroke	160 mm
Piston diameter	32 mm Equivalent diameter
Piston rod thread	M10x1.25
Torsional backlash at piston rod +/-	1.7 deg
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	optional
Mode of operation	Double-acting
Design	Piston Piston rod
Position detection	Via proximity switch
Variants	Piston rod at one end
Protection against torque/guide	Oval piston
Operating pressure	0.06 MPa...1 MPa 0.6 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	19 mm
Max. torque for protection against torsion	1 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	415 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	483 N
Moving mass	267 g
Product weight	911 g
Additional weight per 10 mm stroke	25 g
Basic weight for 0 mm stroke	511 g
Type of mounting	Either: Via female thread With accessories
Pneumatic connection	G1/8

Feature	Value
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