

Linear/swivel clamp CLR-25-20-R-P-A

Part number: 535445

FESTO

Clamping system with linear and swivel motion, 90° to the right,
standard port pattern per ISO 21287



Data sheet

Feature	Value
Total stroke	33 mm
Piston diameter	25 mm
Piston rod thread	M6
Swivel angle	90 deg +/- 3 deg
Clamping stroke	20 mm
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Design structure	Piston Piston rod Cylinder barrel
Position detection	For proximity sensor
Swivel direction	Right
Working pressure	2 ... 10 bar
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	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
Ambient temperature	-10 ... 80 °C
Effective clamping force at 0.2 MPa (2 bar, 29 psi)	63 N
Effective clamping force at 0.4 MPa (4 bar, 58 psi)	127 N
Effective clamping force at 0.6 MPa (6 bar, 87 psi)	188 N
Max. tightening torque, tensioning finger screw	12 Nm
Theoretical clamping force at 0.6 MPa (6 bar, 87 psi)	227 N
Product weight	455 g
Mounting type	with through hole with internal (female) thread with accessories Optional
Pneumatic connection	M5
Material of flange screw	Steel Galvanized
Material cover	Wrought Aluminum alloy coated
Material seals	NBR TPE-U(PU)
Material housing	Wrought Aluminum alloy Smooth anodized
Material piston rod	High alloy steel, non-corrosive
Material cylinder barrel	Wrought Aluminum alloy Smooth anodized