

# Stopper cylinder DFSP-Q-50-20-DF-PA

Part number: 576162

FESTO



 [General operating condition](#)

## Data sheet

Feature	Value
Stroke	20 mm
Piston diameter	50 mm
Piston rod thread	M8
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Structural design	Piston Piston rod Profile barrel Anti-twist feature
Position sensing	For proximity sensor
Piston rod end	Internal thread
Symbol	00991217
Variants	Internal thread on piston rod Piston rod secured against twisting
Protection against torsion/guide	Flattened piston rod
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	1 bar ... 10 bar
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
Ambient temperature	-10 °C ... 80 °C
Permissible impact force on the advanced piston rod	6280 N
Permissible lateral force during switching operation	1570 N
Max. cycle rate	5 Hz
Type of mounting	With through-hole With internal thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Flange screws material	Steel, galvanized
Cover material	Wrought aluminum alloy Anodized
Seals material	TPE-U(PU)
Piston rod material	High-alloy stainless steel
Roller material	Steel, galvanized

Feature	Value
Material of cylinder barrel	Wrought aluminum alloy Smooth anodized