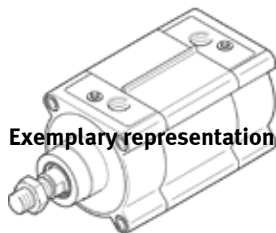


# standards-based cylinder

## DSBF-C-...-125- -

Part number: 1755169

FESTO



Exemplary representation

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 ... 2,800 mm
Piston diameter	125 mm
Piston rod thread	M27x2 M16
Based on the standard	ISO 15552
Cushioning	P: Flexible cushioning rings/plates at both ends PPS: Self-adjusting pneumatic end-position cushioning PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Conforms to standard	ISO 15552
Piston-rod end	Male thread Female thread
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	For unlubricated operation Increased chemical resistance Hard wiper seal Extended male piston rod thread Female thread on piston rod Extended piston rod Constant slow movement Through piston rod Heat resistant seals, max. 120 °C Temperature range 0 - 150 °C Temperature range -40 - 80 °C
Operating pressure MPa	0.005 ... 1 MPa
Operating pressure	0.05 ... 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	3 - High corrosion stress
PWIS conformity	VDMA24364-B2-L VDMA24364 zone III
Food-safe	See Supplementary material information
Ambient temperature	-40 ... 150 °C
Impact energy in end positions	1.65 ... 3.3 J
Cushioning length	44 ... 45 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	6,881 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	6,681 ... 7,363 N
Additional weight per piston rod extension of 10 mm	63 g
Additional weight per piston rod thread extension of 10 mm	41 g

<b>Feature</b>	<b>Value</b>
Mounting type	with internal (female) thread with accessories Optional
Pneumatic connection	G1/2
Materials note	Conforms to RoHS
Material cover	Die-cast aluminium, coated
Material piston seal	FPM TPE-U(PU)
Material piston	Wrought Aluminium alloy
Material piston rod	high-alloy stainless steel, hard chrome plated High alloy steel, non-corrosive
Material piston rod wiper seal	FPM PE TPE-U(PU)
Buffer seal material	FPM TPE-U(PU)
Cushion piston material	Aluminium POM
Material cylinder barrel	Anodised wrought aluminium alloy
Material nut	High alloy steel, non-corrosive
Rod wiper seal material	PTFE reinforced
Material bearing	Bronze
Material of flange screw	steel, galvanized