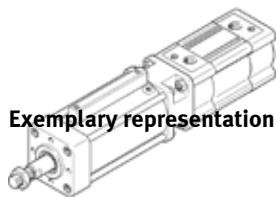


# Cylinder with holding brake

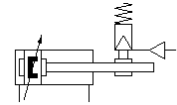
**DFLC-100- -**

Part number: 8073333

**FESTO**



Exemplary representation



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10 ... 2,000 mm
Piston diameter	100 mm
Piston rod thread	M20x1,5
Based on the standard	ISO 15552 (previously also VDMA 24652, ISO 6431, NF E49 003.1, UNI 10290)
Cushioning	PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Type of clamping with direction of action	at both ends Clamping with spring, release with compressed air
Piston-rod end	Male thread
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	Single-ended piston rod
Safety function	Holding and stopping a movement
Performance level (PL)	Stopping, holding, blocking a movement/category 1, Performance Level c
Operating pressure MPa	0.06 ... 0.8 MPa
Operating pressure	0.6 ... 8 bar 8.7 ... 116 psi
Max. permissible test pressure	8 bar
Minimum release pressure	3.8 bar
Mode of operation	double-acting
Authorisation	TÜV
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX) to EU directive for machinery
UKCA marking (see declaration of conformity)	To UK EX instructions To UK instructions for machines
Certificate issuing department	TÜV CA 697
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion ignition protection type Gas	Ex h IIC T4 Gb
Explosion ignition protection type Dust	Ex h IIIC T120°C Db
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +60°C
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364-B2-L
Ambient temperature	-10 ... 80 °C
Cushioning length	31 mm
Static holding force	8,200 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	4,418 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	4,712 N
Moving mass with 0 mm stroke	1,940 g
Additional mass factor per 10 mm of stroke	40 g

Feature	Value
Basic weight for 0 mm stroke	19,120 g
Additional weight per 10 mm stroke	101 g
Mounting type	with internal (female) thread with accessories
Release connection, clamping unit	G3/8
Pneumatic connection	G1/2
Materials note	Conforms to RoHS
Material cover	Aluminium die cast Wrought Aluminium alloy
Material seals	NBR TPE-U(PU)
Material housing	Steel
Material piston rod	Hard-chrome-plated steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy