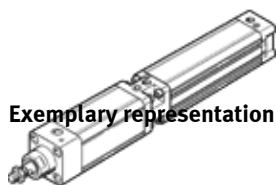


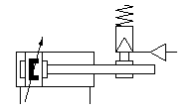
# Cylinder with clamping unit DNCKE-100- -PPV-A-S

Part number: 538241

FESTO



Exemplary representation



## Data sheet

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	Stopping a linear movement
Performance level (PL)	Kat. 1, PLc
Working pressure	0.6 ... 8 bar
Max. permissible test pressure	10 bar
Minimum release pressure	3.8 bar
Mode of operation	double-acting
Authorization	IFA
CE symbol (see declaration of conformity)	according to EU machines guideline
Certificate issuing department	IFA 0404020
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Corrosion resistance classification CRC	0 - No corrosion stress
Ambient temperature	-10 ... 60 °C
Cushioning length	32 mm
Static holding force	8,000 N
Theoretical force at 6 bar, return stroke	4,418 N
Theoretical force at 6 bar, advance stroke	4,712 N
Moving mass with 0 mm stroke	2,150 g
Additional weight per 10 mm stroke	110 g
Basic weight for 0 mm stroke	1,816 g
Additional mass factor per 10 mm of stroke	40 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	Aluminum die cast Wrought Aluminum alloy
Material seals	NBR TPE-U(PU)
Material housing	Wrought Aluminum alloy
Material piston rod	Heat-treatment steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy