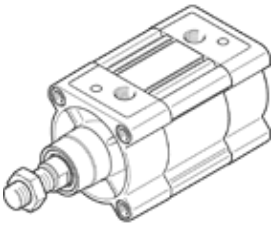
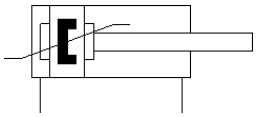
Standard cylinder
DSBC-80-80-PPSA-N3

Part number: 1383369
★ Core product range

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Data sheet

Feature	Value
Stroke	80 mm
Piston diameter	80 mm
Piston rod thread	M20x1,5
Cushioning	PPS: Self-adjusting pneumatic end-position cushioning
Assembly position	Any
Conforms to standard	ISO 15552
Piston-rod end	Male thread
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	Single-ended piston rod
Working pressure	0.4 ... 12 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
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	1.8 J
Cushioning length	31 mm
Theoretical force at 6 bar, return stroke	2,721 N
Theoretical force at 6 bar, advance stroke	3,016 N
Moving mass with 0 mm stroke	810 g
Additional weight per 10 mm stroke	92 g
Basic weight for 0 mm stroke	2,660 g
Additional mass factor per 10 mm of stroke	39 g
Mounting type	Optional with internal (female) thread with accessories
Pneumatic connection	G3/8
Materials note	Conforms to RoHS
Material cover	Aluminum die cast coated
Material seals	TPE-U(PU)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminum alloy Smooth anodized

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