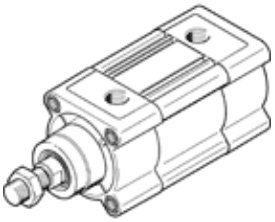
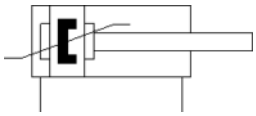
Standard cylinder
DSBC-63-400-PPSA-N3

Part number: 1383642
★ Core product range

with self-adjusting pneumatic end position cushioning





Data sheet

Feature	values
Stroke	400 mm
Piston diameter	63 mm
Piston rod thread	M16x1,5
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
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	1.3 J
Cushioning length	22 mm
Theoretical force at 6 bar, return stroke	1,682 N
Theoretical force at 6 bar, advance stroke	1,870 N
Moving mass with 0 mm stroke	430 g
Additional weight per 10 mm stroke	62 g
Basic weight for 0 mm stroke	1,740 g
Additional mass factor per 10 mm of stroke	25 g
Mounting type	Optional with internal (female) thread with accessories
Pneumatic connection	G3/8
Materials note	Conforms to RoHS
Materials information for cover	Aluminum die cast coated
Materials information for seals	TPE-U(PU)
Materials information for piston rod	High alloy steel
Materials information for cylinder barrel	Wrought Aluminum alloy Smooth anodized