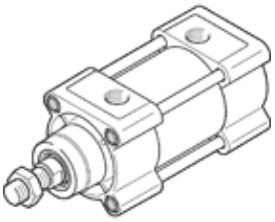
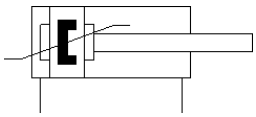
standards-based cylinder
DSBG-80-40-PPSA-N3

Part number: 1646786

FESTO





Data sheet

Feature	Value
Stroke	40 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 Tie rod Cylinder barrel
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure MPa	0.04 ... 1.2 MPa
Operating 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
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	1.8 J
Cushioning length	31 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	2,721 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	3,016 N
Moving mass	966 g
Moving mass with 0 mm stroke	810 g
Additional mass factor per 10 mm of stroke	39 g
Product weight	3,000 g
Basic weight for 0 mm stroke	2,660 g
Additional weight per 10 mm stroke	85 g
Mounting type	with internal (female) thread with accessories Optional
Pneumatic connection	G3/8
Materials note	Conforms to RoHS
Material cover	Die-cast aluminium, coated
Material piston seal	TPE-U(PU)
Material piston	Wrought Aluminium alloy
Material piston rod	High alloy steel
Material piston rod wiper seal	TPE-U(PU)
Buffer seal material	TPE-U(PU)
Cushion piston material	POM
Material cylinder barrel	Smooth-anodised wrought aluminium alloy
Material nut	steel, galvanized
Material bearing	POM
Collar nut material	Galvanised steel
Material tie rod	High alloy steel