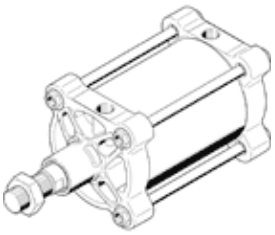
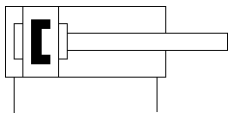
standards-based cylinder
DSBG-160-500-P-N3

Part number: 2536759

FESTO





Data sheet

Feature	Value
Stroke	500 mm
Piston diameter	160 mm
Piston rod thread	M36x2
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Conforms to standard	ISO 15552
Piston-rod end	Male thread
Design structure	Piston Piston rod Tie rod Cylinder barrel
Variants	Single-ended piston rod
Operating pressure MPa	0.06 ... 1 MPa
Operating pressure	0.6 ... 10 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	3.3 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	11,310 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	12,064 N
Moving mass	9,142 g
Moving mass with 0 mm stroke	4,292 g
Additional mass factor per 10 mm of stroke	97 g
Product weight	22,151 g
Basic weight for 0 mm stroke	11,751 g
Additional weight per 10 mm stroke	208 g
Mounting type	with internal (female) thread with accessories Optional
Pneumatic connection	G3/4
Materials note	Conforms to RoHS
Material cover	Die-cast aluminium, coated
Material piston seal	NBR
Material piston	Die-cast aluminium
Material piston rod	High alloy steel
Material piston rod wiper seal	NBR
Buffer seal material	TPE-U(PU)
Cushion piston material	POM
Material cylinder barrel	Smooth-anodised wrought aluminium alloy
Material nut	steel, galvanized
Material bearing	Metal polymer compound
Collar nut material	Galvanised steel
Material tie rod	High alloy steel