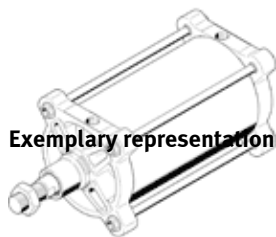


standards-based cylinder

DSBG-320- -P-N3

Part number: 3178601

FESTO



Exemplary representation



Data sheet

Feature	Value
Stroke	1 ... 2,250 mm
Piston diameter	320 mm
Piston rod thread	M48x2
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
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	12.6 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	46,385 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	48,255 N
Moving mass with 0 mm stroke	16,912 g
Additional mass factor per 10 mm of stroke	249 g
Basic weight for 0 mm stroke	50,231 g
Additional weight per 10 mm stroke	623 g
Mounting type	with internal (female) thread with accessories Optional
Pneumatic connection	G1
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