Standards-based cylinder
DSBG-200-400-P-N3
Part number: 2537459

FESTO
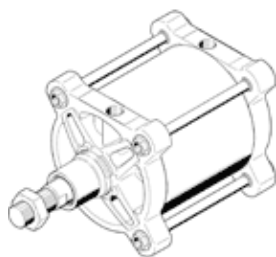
Data sheet

Feature	Value
Stroke	400 mm
Piston diameter	200 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
Working 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	4.8 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	18,096 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	18,850 N
Moving mass	9,228 g
Moving mass with 0 mm stroke	5,348 g
Additional mass factor per 10 mm of stroke	97 g
Product weight	25,333 g
Basic weight for 0 mm stroke	15,493 g
Additional weight per 10 mm stroke	246 g
Mounting type	with internal (female) thread
	with accessories
	Optional
Pneumatic connection	G3/4
Materials note	Conforms to RoHS
Material cover	Coated die-cast aluminium
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	Galvanized steel
Material tie rod	High alloy steel