

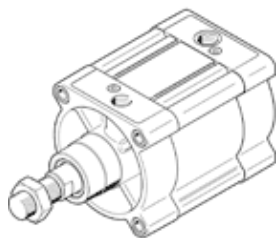
standards-based cylinder

DSBC-125-100-PPVA-N3

Part number: 1804960

FESTO

With adjustable cushioning at both ends.



Data sheet

| Feature | Value |
|--|---|
| Stroke | 100 mm |
| Piston diameter | 125 mm |
| Piston rod thread | M27x2 |
| Cushioning | PPV: Pneumatic cushioning adjustable at both ends |
| 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 |
| Operating pressure | 0.2 ... 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 |
| Ambient temperature | -20 ... 80 °C |
| Impact energy in end positions | 3.3 J |
| Cushioning length | 45 mm |
| Theoretical force at 6 bar, return stroke | 6,881 N |
| Theoretical force at 6 bar, advance stroke | 7,363 N |
| Moving mass with 0 mm stroke | 2,245 g |
| Additional weight per 10 mm stroke | 151 g |
| Basic weight for 0 mm stroke | 6,611 g |
| Additional mass factor per 10 mm of stroke | 63 g |
| Mounting type | Optional with internal (female) thread with accessories |
| Pneumatic connection | G1/2 |
| Materials note | Conforms to RoHS |
| Material cover | Aluminium die cast coated |
| Material seals | TPE-U(PU) |
| Material piston rod | High alloy steel |
| Material cylinder barrel | Wrought Aluminium alloy Smooth anodised |