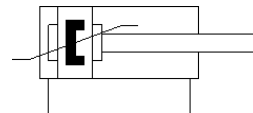
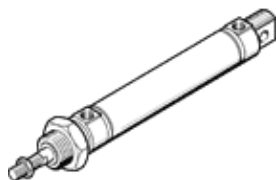


# ISO cylinder DSNU-25-80-PPS

Part number: 559253  
Product to be discontinued

FESTO

with self-adjusting pneumatic end position cushioning  
Type to be discontinued. Available until 2018. See Support Portal for alternative products.



## Data sheet

| Feature                                    | Value   |
|--|---|
| Stroke                                     | 80 mm   |
| Piston diameter                            | 25 mm   |
| Piston rod thread                          | M10x1,25  |
| Cushioning                                 | PPS: Self-adjusting pneumatic end-position cushioning                       |
| Assembly position                          | Any   |
| Conforms to standard                       | CETOP RP 52 P<br>ISO 6432   |
| Piston-rod end                             | Male thread   |
| Design structure                           | Piston<br>Piston rod<br>Cylinder barrel                                     |
| Variants                                   | Single-ended piston rod   |
| Operating pressure                         | 1 ... 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             | 0.3 J   |
| Cushioning length                          | 17 mm   |
| Theoretical force at 6 bar, return stroke  | 247.4 N   |
| Theoretical force at 6 bar, advance stroke | 294.5 N   |
| Moving mass with 0 mm stroke               | 71 g  |
| Additional weight per 10 mm stroke         | 11 g  |
| Basic weight for 0 mm stroke               | 238 g   |
| Additional mass factor per 10 mm of stroke | 6 g   |
| Mounting type                              | with accessories  |
| Pneumatic connection                       | G1/8  |
| Materials note                             | Conforms to RoHS  |
| Materials information for cover            | Wrought Aluminium alloy<br>neutral anodisation                              |
| Materials information for piston rod       | High alloy steel, non-corrosive   |
| Materials information for cylinder barrel  | High alloy steel, non-corrosive   |