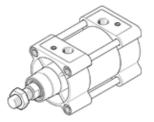
## standards-based cylinder DSBG-80-500-PPVA-N3 Part number: 1646782



## Data sheet

| Feature                                    | Value  |
|--|--|
| Stroke                                     | 500 mm   |
| Piston diameter                            | 80 mm  |
| Piston rod thread                          | M20x1,5  |
| 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   |
|  | Tie rod  |
|  | Cylinder barrel  |
| Position detection                         | For proximity sensor   |
| Variants                                   | Single-ended piston rod  |
| Operating pressure                         | 0.4 12 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             | 1.8 J  |
| Cushioning length                          | 31 mm  |
| Theoretical force at 6 bar, return stroke  | 2,721 N  |
| Theoretical force at 6 bar, advance stroke | 3,016 N  |
| Moving mass with 0 mm stroke               | 810 g  |
| Additional weight per 10 mm stroke         | 85 g   |
| Basic weight for 0 mm stroke               | 2,660 g  |
| Additional mass factor per 10 mm of stroke | 39 g   |
| Mounting type                              | with internal (female) thread                                    |
|  | with accessories   |
|  | Optional   |
| Pneumatic connection                       | G3/8   |
| Materials note                             | Conforms to RoHS   |
| Material cover                             | Die-cast aluminium, coated                                       |
| Material piston seal                       | TPE-U(PU)  |
| Material piston                            | Wrought Aluminium alloy  |
| Material piston rod                        | High alloy steel   |
| Material piston rod wiper seal             | TPE-U(PU)  |
| Buffer seal material                       | TPE-U(PU)  |
| Cushion piston material                    | РОМ  |
| Material cylinder barrel                   | Smooth-anodised wrought aluminium alloy                          |
| Material nut                               | steel, galvanized  |
| Material bearing                           | РОМ  |
| Collar nut material                        | Galvanised steel   |
| Material tie rod                           | High alloy steel   |



**FESTO**