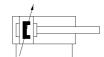
## standards-based cylinder DSBC-32-50-D3-PPVA-N3 Part number: 3656515

With adjustable cushioning at both ends.





**FESTO** 

## **Data sheet**

| Feature                                    | Value  |
|--|--|
| Stroke                                     | 50 mm  |
| Piston diameter                            | 32 mm  |
| Piston rod thread                          | M10x1,25   |
| 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                         | 0.6 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             | 0.4 J  |
| Cushioning length                          | 17 mm  |
| Theoretical force at 6 bar, return stroke  | 415 N  |
| Theoretical force at 6 bar, advance stroke | 483 N  |
| Moving mass with 0 mm stroke               | 110 g  |
| Additional weight per 10 mm stroke         | 27 g   |
| Basic weight for 0 mm stroke               | 465 g  |
| Additional mass factor per 10 mm of stroke | 9 g  |
| Mounting type                              | with internal (female) thread                                    |
|  | with accessories   |
|  | Optional   |
| Pneumatic connection                       | G1/8   |
| 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                    | POM  |
| Material cylinder barrel                   | Smooth-anodised wrought aluminium alloy                          |
| Material nut                               | steel, galvanized  |
| Material bearing                           | POM  |
| Material of flange screw                   | steel, galvanized  |