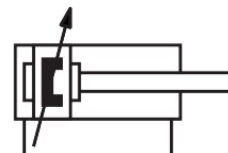


# ISO cylinder CRDNG-80- -PPV-A

Part number: 160888

FESTO



## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 10 mm...2000 mm                                                    |
| Piston diameter                          | 80 mm                                                              |
| Piston rod thread                        | M20x1.5                                                            |
| Cushioning                               | Pneumatic cushioning, adjustable at both ends                      |
| Mounting position                        | Any                                                                |
| Conforms to standard                     | ISO 15552                                                          |
| Piston rod end                           | External thread                                                    |
| Structural design                        | Piston<br>Piston rod<br>Tie rod<br>Cylinder barrel                 |
| Position sensing                         | For proximity sensor                                               |
| Operating pressure                       | 0.06 MPa...1 MPa<br>0.6 bar...10 bar                               |
| Mode of operation                        | Double-acting                                                      |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)         | 4 - Particularly high corrosion stress                             |
| LABS (PWIS) conformity                   | VDMA24364-B2-L                                                     |
| For use in the food industry             | See supplementary material information                             |
| Ambient temperature                      | -20 °C...80 °C                                                     |
| Cushioning length                        | 30 mm                                                              |
| Theoretical force at 6 bar, retracting   | 2721 N                                                             |
| Theoretical force at 6 bar, advancing    | 3016 N                                                             |
| Moving mass at 0 mm stroke               | 1018 g                                                             |
| Additional moving mass per 10 mm stroke  | 39 g                                                               |
| Basic weight with 0 mm stroke            | 5545 g                                                             |
| Additional weight per 10 mm stroke       | 92 g                                                               |
| Type of mounting                         | Optionally:<br>With internal thread<br>With accessories            |
| Pneumatic connection                     | G3/8                                                               |
| Cover material                           | Cast stainless steel                                               |

| Feature                     | Value                      |
|-----------------------------|----------------------------|
| Seals material              | TPE-U(PU)                  |
| Housing material            | High-alloy stainless steel |
| Material of piston          | Wrought aluminum alloy     |
| Piston rod material         | High-alloy stainless steel |
| Material of cylinder barrel | High-alloy stainless steel |
| Nut material                | High-alloy stainless steel |
| Material of bearing         | POM                        |
| Collar nut material         | High-alloy stainless steel |
| Tie rod material            | High-alloy stainless steel |