

# Swing clamp cylinder CLR-32-20-L-P-A-B-K11-R8

Part number: 535491

**FESTO**



## Data sheet

| Feature                                      | Value  |
|--|--|
| Complete stroke                              | 38 mm  |
| Piston diameter                              | 32 mm  |
| Piston rod thread                            | M8   |
| Swivel angle                                 | 90 deg +/- 2 deg   |
| Clamping stroke                              | 20 mm  |
| Cushioning                                   | Elastic cushioning rings/pads at both ends                                   |
| Mounting position                            | Any  |
| Structural design                            | Piston<br>Piston rod<br>Cylinder barrel                                      |
| Position sensing                             | For proximity sensor   |
| Swivel direction                             | Left   |
| Variants                                     | Weld spatter protection<br>Dust protection                                   |
| Operating pressure                           | 2 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)             | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity                       | VDMA24364-B2-L   |
| Ambient temperature                          | -10 °C...80 °C   |
| Effective clamping force at 2 bar            | 111 N  |
| Effective clamping force at 4 bar            | 216 N  |
| Effective clamping force at 6 bar            | 313 N  |
| Max. clamping finger screw tightening torque | 24 Nm  |
| Theoretical clamping force at 6 bar          | 362 N  |
| Product weight                               | 785 g  |
| Type of mounting                             | With through-hole<br>With internal thread<br>With accessories<br>Optionally: |
| Pneumatic connection                         | G1/8   |
| Wiper material                               | PPS  |

| Feature                     | Value                                     |
|-----------------------------|---|
| Flange screws material      | Steel<br>Galvanized                       |
| Cover material              | Wrought aluminum alloy<br>Coated          |
| Seals material              | NBR<br>TPE-U(PU)                          |
| Housing material            | Wrought aluminum alloy<br>Smooth anodized |
| Piston rod material         | Coated<br>High-alloy stainless steel      |
| Material of cylinder barrel | Wrought aluminum alloy<br>Smooth anodized |