

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

Part number: 543180

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                                                                        |
| Type code                                    | CLR                                                                          |
| 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                                                                         |
| Symbol                                       | 00991217                                                                     |
| 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                                                |
| 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                               | 765 g                                                                        |
| Type of mounting                             | Optionally:<br>With through-hole<br>With internal thread<br>With accessories |
| Pneumatic connection                         | G1/8                                                                         |
| Flange screws material                       | Steel<br>Galvanized                                                          |
| Cover material                               | Wrought aluminum alloy<br>Coated                                             |
| Seals material                               | NBR<br>TPE-U(PU)                                                             |

| Feature                     | Value                                     |
|-----------------------------|-------------------------------------------|
| Housing material            | Wrought aluminum alloy<br>Smooth anodized |
| Piston rod material         | High-alloy stainless steel                |
| Material of cylinder barrel | Wrought aluminum alloy<br>Smooth anodized |