

# Linear/swivel clamp CLR-63-20-R-P-A-K11-R8

Part number: 535505

FESTO

clamping system with linear and swivel motion 90 degrees to the right.  
Standard hole pattern according to ISO 21287. With dust and weld  
spatter protection.



## Data sheet

| Feature   | Value  |
|---|--|
| Total stroke  | 43 mm  |
| Piston diameter                                       | 63 mm  |
| Piston rod thread                                     | M10  |
| Swivel angle  | 90 deg +/- 2 deg   |
| Clamping stroke                                       | 20 mm  |
| Cushioning  | P: Flexible cushioning rings/plates at both ends                                   |
| Assembly position                                     | Any  |
| Design structure                                      | Piston<br>Piston rod<br>Cylinder barrel  |
| Position detection                                    | For proximity sensor   |
| Swivel direction                                      | Right  |
| Variants  | spatter protection<br>Dust protection  |
| Working pressure                                      | 2 ... 10 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  |
| PWIS conformity                                       | VDMA24364-B2-L   |
| Ambient temperature                                   | -10 ... 80 °C  |
| Effective clamping force at 0.2 MPa (2 bar, 29 psi)   | 441 N  |
| Effective clamping force at 0.4 MPa (4 bar, 58 psi)   | 823 N  |
| Effective clamping force at 0.6 MPa (6 bar, 87 psi)   | 1,386 N  |
| Max. tightening torque, tensioning finger screw       | 47 Nm  |
| Theoretical clamping force at 0.6 MPa (6 bar, 87 psi) | 1,682 N  |
| Product weight  | 2,100 g  |
| Mounting type   | with through hole<br>with internal (female) thread<br>with accessories<br>Optional |
| Pneumatic connection                                  | G1/8   |
| Material wiper seal                                   | PPS  |
| Material of flange screw                              | Steel<br>Galvanized  |
| Material cover  | Wrought Aluminum alloy<br>coated   |
| Material seals  | NBR<br>TPE-U(PU)   |
| Material housing                                      | Wrought Aluminum alloy<br>Smooth anodized  |
| Material piston rod                                   | coated<br>High alloy steel, non-corrosive  |
| Material cylinder barrel                              | Wrought Aluminum alloy<br>Smooth anodized  |