

# linear/swivel clamp CLR-20-20-L-P-A

Part number: 535442

FESTO

Clamping system with linear and swivel motion, 90° to the left,  
standard port pattern per ISO 21287



## Data sheet

| Feature   | Value  |
|---|--|
| Total stroke                                    | 32 mm  |
| Piston diameter                                 | 20 mm  |
| Piston rod thread                               | M6   |
| Swivel angle                                    | 90 deg +/- 3 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                                | Left   |
| Operating 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  |
| Ambient temperature                             | -10 ... 80 °C  |
| Effective clamping force at 2 bar               | 35 N   |
| Effective clamping force at 4 bar               | 73 N   |
| Effective clamping force at 6 bar               | 109 N  |
| Max. tightening torque, tensioning finger screw | 12 Nm  |
| Theoretical clamping force at 6 bar             | 121 N  |
| Product weight                                  | 385 g  |
| Mounting type                                   | with through hole<br>with internal (female) thread<br>with accessories<br>Optional |
| Pneumatic connection                            | M5   |
| Material of flange screw                        | Steel<br>Galvanised  |
| Material cover                                  | Wrought Aluminium alloy<br>coated  |
| Material seals                                  | NBR<br>TPE-U(PU)   |
| Material housing                                | Wrought Aluminium alloy<br>Smooth anodised   |
| Material piston rod                             | High alloy steel, non-corrosive  |
| Material cylinder barrel                        | Wrought Aluminium alloy<br>Smooth anodised   |