

# Linear/swivel clamp CLR-50-20-L-P-A

Part number: 535460

FESTO



## Data sheet

| Feature   | Value  |
|---|--|
| Total stroke  | 41 mm  |
| Piston diameter                                       | 50 mm  |
| Piston rod thread                                     | M10  |
| Swivel angle  | 90 deg +/-2 deg  |
| Clamping stroke                                       | 20 mm  |
| Cushioning  | Elastic cushioning rings/plates at both ends   |
| Mounting position                                     | optional   |
| Design  | Piston<br>Piston rod<br>Cylinder barrel  |
| Position detection                                    | Via proximity switch   |
| Swivel direction                                      | Left   |
| Operating pressure                                    | 2 bar...10 bar   |
| Mode of operation                                     | Double-acting  |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Note on operating and pilot medium                    | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                        | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity                                | VDMA24364-B2-L   |
| Ambient temperature                                   | -10 °C...80 °C   |
| Effective clamping force at 0.2 MPa (2 bar, 29 psi)   | 271 N  |
| Effective clamping force at 0.4 MPa (4 bar, 58 psi)   | 508 N  |
| Effective clamping force at 0.6 MPa (6 bar, 87 psi)   | 716 N  |
| Max. tightening torque Clamping finger screw          | 47 Nm  |
| Theoretical clamping force at 0.6 MPa (6 bar, 87 psi) | 990 N  |
| Product weight  | 1650 g   |
| Type of mounting                                      | Either:<br>With through-hole<br>Via female thread<br>With accessories                      |
| Pneumatic connection                                  | G1/8   |
| Material collar screws                                | Steel<br>Galvanised  |

| <b>Feature</b>           | <b>Value</b>                               |
|--------------------------|--|
| 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 stainless steel                 |
| Material cylinder barrel | Wrought aluminium alloy<br>Smooth anodised |