

# Clamping unit KPE-20

Part number: 178468

FESTO



 General operating condition

## Data sheet

| Feature                                   | Value                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------------|
| Mounting position                         | optional                                                                                   |
| Type of clamping with direction of action | on both sides<br>Clamping via spring force, released via compressed air                    |
| Design                                    | Tilting wedge mechanism                                                                    |
| Variants                                  | Piston rod at one end                                                                      |
| Position detection                        | Without                                                                                    |
| Safety function                           | Holding and stopping a movement                                                            |
| Operating pressure                        | 0.3 MPa ... 1 MPa                                                                          |
| Operating pressure                        | 3 bar ... 10 bar                                                                           |
| Operating pressure                        | 43.5 psi ... 145 psi                                                                       |
| Release pressure                          | ≥0.3 MPa                                                                                   |
| Release pressure                          | ≥3 bar                                                                                     |
| Round material to be clamped              | 20 mm                                                                                      |
| 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-B1/B2-L                                                                          |
| Ambient temperature                       | -10 °C ... 80 °C                                                                           |
| Static holding force                      | 2000 N                                                                                     |
| Product weight                            | 930 g                                                                                      |
| Release connection, clamping unit         | G1/8                                                                                       |
| Note on materials                         | RoHS-compliant                                                                             |
| Material seals                            | NBR<br>TPE-U(PU)                                                                           |
| Material spring                           | Spring steel                                                                               |
| Material housing                          | Anodised                                                                                   |
| Material clamp jaws                       | Brass                                                                                      |
| Material piston                           | POM                                                                                        |