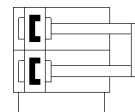
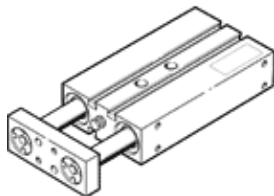


# twin-piston cylinder DPZ-32-50-P-A

Part number: 159820

**FESTO**

With two parallel piston rods, for proximity sensing, with elastic cushioning rings in end positions.



## Data sheet

| Feature                                                             | Value                                                                       |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Centre of gravity distance from working load to yoke plate          | 0 mm                                                                        |
| Stroke                                                              | 50 mm                                                                       |
| Adjustable end-position range/length                                | 10 mm                                                                       |
| Piston diameter                                                     | 32 mm                                                                       |
| Operating mode of drive unit                                        | Yoke                                                                        |
| Cushioning                                                          | P: Flexible cushioning rings/plates at both ends                            |
| Assembly position                                                   | Any                                                                         |
| Guide                                                               | Plain-bearing guide                                                         |
| Design structure                                                    | Guide                                                                       |
| Position detection                                                  | For proximity sensor                                                        |
| Operating pressure                                                  | 1 ... 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                                                 | -20 ... 80 °C                                                               |
| Impact energy in end positions                                      | 0.5 Nm                                                                      |
| Max. useful load as a function of the stroke at defined distance xs | 65 N                                                                        |
| Theoretical force at 6 bar, return stroke                           | 724 N                                                                       |
| Theoretical force at 6 bar, advance stroke                          | 966 N                                                                       |
| alternative connections                                             | See product drawing                                                         |
| Pneumatic connection                                                | G1/8                                                                        |
| Material cover                                                      | Wrought Aluminium alloy                                                     |
| Material seals                                                      | NBR                                                                         |
| Material housing                                                    | Wrought Aluminium alloy                                                     |
| Material piston rod                                                 | High alloy steel, non-corrosive                                             |