

# round cylinder ESNU-32-50-P

Part number: 195872

FESTO

As per DIN ISO 6432, with elastic cushioning rings in end positions.  
Various mounting options, with or without additional mounting components.



## Data sheet

| Feature                                    | Value   |
|--|---|
| Stroke                                     | 50 mm   |
| Piston diameter                            | 32 mm   |
| Piston rod thread                          | M10x1,25  |
| Cushioning                                 | P: Flexible cushioning rings/plates at both ends                            |
| Assembly position                          | Any   |
| Design structure                           | Piston<br>Piston rod<br>Cylinder barrel                                     |
| Operating pressure                         | 1.2 ... 10 bar  |
| Mode of operation                          | single-acting<br>pushing action   |
| 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   |
| Spring return force, retracted             | 20 N  |
| Theoretical force at 6 bar, return stroke  | 20 N  |
| Theoretical force at 6 bar, advance stroke | 442.2 N   |
| Moving mass                                | 166 g   |
| Moving mass with 0 mm stroke               | 121 g   |
| Additional weight per 10 mm stroke         | 15.5 g  |
| Basic weight for 0 mm stroke               | 370.5 g   |
| Product weight                             | 448 g   |
| Additional mass factor per 10 mm of stroke | 9 g   |
| Mounting type                              | with accessories  |
| Pneumatic connection                       | G1/8  |
| Materials note                             | Conforms to RoHS  |
| Material cover                             | Wrought Aluminium alloy   |
| Material seals                             | NBR<br>TPE-U(PU)  |
| Material piston rod                        | High alloy steel  |
| Material cylinder barrel                   | High alloy steel, non-corrosive   |