

# Compact cylinder

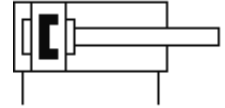
## ADNP-32-10-I-P-A-QS-6

Part number: 539453

FESTO

Per ISO 21287, with position sensing and internal piston rod thread,  
with integrated QS push-in connector

Products to be discontinued. Available until 2011.



### Data sheet

| Feature                                    | Value  |
|--|--|
| Stroke                                     | 10 mm  |
| Piston diameter                            | 32 mm  |
| Piston rod thread                          | M8   |
| Based on the standard                      | ISO 21287  |
| Cushioning                                 | P: Flexible cushioning rings/plates at both ends                                   |
| Assembly position                          | Any  |
| Piston-rod end                             | Female thread  |
| Design structure                           | Piston<br>Piston rod<br>Cylinder barrel  |
| Position detection                         | For proximity sensor   |
| Variants                                   | Single-ended piston rod  |
| Operating pressure                         | 0.6 ... 10 bar   |
| Mode of operation                          | double-acting  |
| Operating medium                           | Dried compressed air, lubricated or unlubricated                                   |
| Corrosion resistance classification CRC    | 2  |
| Ambient temperature                        | -10 ... 60 °C  |
| Impact energy in end positions             | 0.32 J   |
| Theoretical force at 6 bar, return stroke  | 415 N  |
| Theoretical force at 6 bar, advance stroke | 483 N  |
| Moving mass with 0 mm stroke               | 45 g   |
| Additional weight per 10 mm stroke         | 24 g   |
| Basic weight for 0 mm stroke               | 204 g  |
| Additional mass factor per 10 mm of stroke | 3 g  |
| Mounting type                              | Optional<br>with through hole<br>with internal (female) thread<br>with accessories |
| Pneumatic connection                       | QS-6   |
| Materials note                             | Conforms to RoHS   |
| Materials information for cover            | PA-reinforced  |
| Materials information for seals            | TPE-U(PU)  |
| Materials information for piston rod       | Wrought Aluminium alloy<br>Anodised  |
| Materials information for cylinder barrel  | Wrought Aluminium alloy<br>Smooth anodised   |