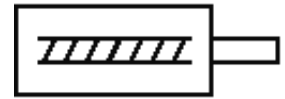
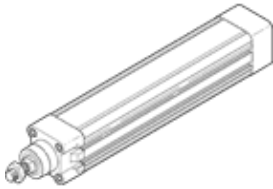


# Electro-cylinder DNCE-32- -LS-1,5-Q

Part number: 545210

FESTO

mit Gleitgewindetrieb und verdrehgesicherter Kolbenstange.



## Data sheet

| Feature  | Value   |
|--|---|
| Working stroke   | 1 ... 400 mm  |
| Size   | 32  |
| Stroke reserve   | 0 mm  |
| Piston rod thread  | M10x1,25  |
| Reversing backlash   | 0.2 mm  |
| Spindle diameter   | 9 mm  |
| Spindle pitch  | 1.5 mm/U  |
| Max. angular deflection of piston rod +/-                    | 0.3 deg   |
| Based on the standard  | ISO 15552 (bisher auch VDMA 24652, ISO 6431, NF E49 003.1, UNI 10290) |
| Assembly position  | Any   |
| Motor type   | Stepper motor<br>DC servo motor                                       |
| Position detection   | für Näherungsschalter   |
| Design structure   | Elektrozylinder mit Gleitgewindespindel                               |
| Spindle type   | Plain thread  |
| Variants   | verdrehgesicherte Kolbenstange  |
| Protection against torque/guide                              | with plain-bearing guide  |
| Max. acceleration  | 1 m/s <sup>2</sup>  |
| Max. speed   | 0.06 m/s  |
| Repetition accuracy  | +/-0,07 mm  |
| Duty cycle   | 100%  |
| Corrosion resistance classification CRC                      | 0   |
| Storage temperature  | -25 ... 60 °C   |
| Relative air humidity  | 0 - 95 %  |
| Protection class   | IP40  |
| Ambient temperature  | 0 ... 50 °C   |
| Impact energy in end positions                               | 0.0001 J  |
| Permanent drive torque                                       | 0.4 Nm  |
| Permanent feed force   | 300 N   |
| Max. drive torque  | 0.4 Nm  |
| Max. torque for protection against rotation                  | 1 Nm  |
| Max. torque M <sub>x</sub>                                   | 1 Nm  |
| Max. radial force at drive shaft                             | 45 N  |
| Max. feed force F <sub>x</sub>                               | 300 N   |
| No-load driving torque                                       | 0.06 Nm   |
| Reference value for working load, horizontal                 | 30 kg   |
| Reference value for working load, vertical                   | 15 kg   |
| Mass moment of inertia J <sub>H</sub> per metre of stroke    | 0.0361 kgcm <sup>2</sup>  |
| Mass moment of inertia J <sub>L</sub> per kg of working load | 0.0006 kgcm <sup>2</sup>  |
| Mass moment of inertia, J <sub>O</sub>                       | 0.0433 kgcm <sup>2</sup>  |
| Moving mass with 0 mm stroke                                 | 150 g   |
| Additional weight per 10 mm stroke                           | 32.4 g  |
| Basic weight for 0 mm stroke                                 | 720 g   |
| Additional mass factor per 10 mm of stroke                   | 6.9 g   |

| Feature                                   | Value   |
|---|---|
| Mounting type                             | with internal (female) thread<br>with accessories |
| Materials note                            | Contains PWIS substances                          |
| Materials information for cover           | Aluminium casting<br>Painted                      |
| Materials information for seals           | NBR   |
| Materials information, housing            | Wrought Aluminium alloy<br>Smooth anodised        |
| Materials information for piston rod      | High alloy steel, non-corrosive                   |
| Material information, spindle nut         | POM   |
| Material information, spindle             | Steel   |
| Materials information for cylinder barrel | Wrought Aluminium alloy<br>Smooth anodised        |