

# Standards-Based Cyli DSBG-200-40-P-N3 - Festo 2537449

Item no. FES-2537449

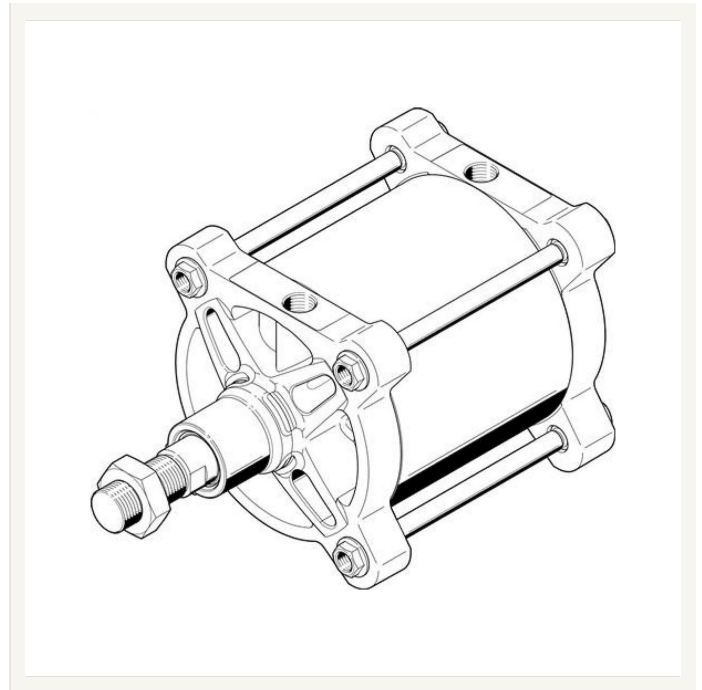
Manufacturer Festo

EAN 4052568254544

Festo pneumatic cylinder for precise linear motion and defined force in automation.

## TECHNICAL DATA

|                         |            |
|-------------------------|------------|
| Betriebsdruck max [bar] | 10.000000  |
| Bohrung (mm)            | 200.000000 |
| HS-Code                 | 84123100   |
| Hub [mm]                | 40.000000  |
| Pneumatischer Anschluss | G3/4       |
| Weight                  | 16 kg      |



## STANDARDS & COMPLIANCE

ISO 8573-1:2010

## DESCRIPTION

Festo pneumatic cylinder for precise linear motion and defined force in automation. The key technical data of this genuine Festo article are listed below.

|                          |                                                      |
|--------------------------|------------------------------------------------------|
| Stroke [mm]              | 40                                                   |
| Piston diameter          | 200 mm                                               |
| Piston rod thread        | M36x2                                                |
| Dampening                | P: Elastic silencer rings / plates double-sided      |
| installation position    | arbitrary                                            |
| Complies to standard     | ISO 15552                                            |
| Piston rod end           | Male thread                                          |
| Construction set up      | Piston<br>piston rod<br>cylinder tube<br>Tension rod |
| Variants                 | One-sided piston rod                                 |
| Operating pressure [bar] | 0.6 to 10                                            |
| Principle of operation   | double acting                                        |

|                                                |                                                           |
|------------------------------------------------|-----------------------------------------------------------|
| Operating medium                               | Compressed air to ISO 8573-1:2010 [7:4:4]                 |
| Information about operating and control medium | Oiled operation possible (required in further operations) |
| Corrosion resistant class KBK                  | 2 - moderate corrosion stress                             |
| ambient temperature [°C]                       | -20 to 80                                                 |
| Impact energy at the end positions [J]         | 4,8                                                       |
| Dampening length [mm]                          | 48                                                        |
| Theoretical force at 6 bar, Return flow [N]    | 18.096                                                    |
| Theoretical force at 6 bar, flow [N]           | 18850                                                     |
| Moving mass at 0 mm stroke [g]                 | 5.348                                                     |
| Weight supplement per 10 mm stroke [g]         | 97                                                        |
| Base weight at 0 mm stroke [g]                 | 15.493                                                    |
| Supplement moved mass per 10 mm stroke [g]     | 249                                                       |
| Fastening type                                 | With female thread<br>With Accessories<br>Selectively:    |
| Pneumatic connection                           | G3/4                                                      |
| Material information                           | RoHs compliant                                            |
| Cover material                                 | Aluminium-Guss, beschichtet                               |
| Werkstoff Kolbendichtung                       | NBR                                                       |
| Piston material                                | Cast aluminium                                            |
| Piston rod material                            | High-alloyed steel                                        |
| Werkstoff Kolbenstangen-Dichtabstreifer        | NBR                                                       |
| Werkstoff Pufferdichtung                       | TPE-U(PU)                                                 |
| Werkstoff Pufferkolben                         | POM                                                       |
| Cylinder tube material                         | Aluminium-Knetlegierung, gleiteloxiert                    |
| Nut material                                   | Zinc plated steel                                         |
| Bearing material                               | Metall-Polymer-Verbund                                    |
| Werkstoff Bundmutter                           | Zinc-plated steel                                         |
| Tension anchor material                        | High-alloyed steel                                        |