

# Hinge Cylinder DWB-50-75-Y-AB - Festo 549708

Item no. FES-549708

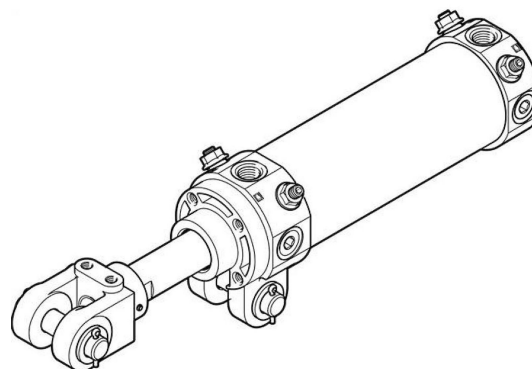
Manufacturer Festo

EAN 4052568191412

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

## TECHNICAL DATA

|                         |           |
|-------------------------|-----------|
| Betriebsdruck max [bar] | 10.000000 |
| Bohrung (mm)            | 50.000000 |
| HS-Code                 | 84123100  |
| Hub [mm]                | 75.000000 |
| Pneumatischer Anschluss | Rc1/4     |
| Weight                  | 1.5 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]                                   | 75                                                                                        |
| Piston diameter                               | 50 mm                                                                                     |
| Piston rod thread                             | M16x1,5                                                                                   |
| Abstand Gabelkopf zur Schwenkbefestigung [mm] | 19,5                                                                                      |
| Dampening                                     | PPV: Pneumatic dampening both sides adjustable                                            |
| installation position                         | arbitrary                                                                                 |
| Construction set up                           | Kolben<br>Zylinderrohr<br>Kolbenstange mit Gabelkopf<br>Schwenkbefestigung am Lagerdeckel |
| Geschwindigkeitsregelung                      | integrierte Drosseln beidseitig                                                           |
| Position detection                            | For proximity switch                                                                      |
| Piston rod end                                | Außengewinde mit Gabelkopf                                                                |

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|                                                |                                                           |
|------------------------------------------------|-----------------------------------------------------------|
| Operating pressure [bar]                       | 1 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                  | 0 - No corrosion stressing                                |
| ambient temperature [°C]                       | -10 to 60                                                 |
| Impact energy at the end positions [J]         | 0,7                                                       |
| Dampening length [mm]                          | 20                                                        |
| Theoretical force at 6 bar, Return flow [N]    | 990                                                       |
| Theoretical force at 6 bar, flow [N]           | 1.178                                                     |
| Moving mass at 0 mm stroke [g]                 | 664                                                       |
| Weight supplement per 10 mm stroke [g]         | 37                                                        |
| Base weight at 0 mm stroke [g]                 | 1.338                                                     |
| Supplement moved mass per 10 mm stroke [g]     | 25                                                        |
| Alternative connections                        | See product drawing                                       |
| Fastening type                                 | mit Zubehör<br>mit Schwenkbefestigung am Lagerdeckel      |
| Pneumatic connection                           | Rc1/4                                                     |
| Werkstoff Gabelkopf                            | Vergütungsstahl<br>Stahlguss                              |
| Material information                           | RoHs compliant                                            |
| Wiper material                                 | Bronze                                                    |
| Cover material                                 | Aluminium die casting<br>anodized                         |
| Seals material                                 | NBR                                                       |
| Piston rod material                            | Quenched and tempered steel<br>hard chromium plated       |
| Cylinder tube material                         | Aluminium wrought alloy<br>anodized                       |