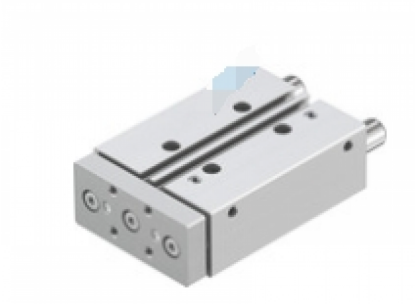

Guide rod cylinder DFM-16-50-P-A-GF 170837

URL:https://www.sxplc.com/guide-rod-cylinder-dfm-16-50-p-a-gf-170837

Product data sheet

The distance xs from the center of gravity of the load to the connecting plate

50 mm

trip

50 mm

Piston diameter

16 mm

Working mode, driver unit

Connecting plate

buffer

Elastic buffer rings/pads at both ends

Installation location

Optional

guide

Sliding bearing guide rail

Structural characteristics

guide

position detection

By proximity switch

Symbol

00991737

working pressure

0.2 Mpa ... 1 Mpa

working pressure

2 bar ... 10 bar

Maximum speed

0.8 m/s

Working mode

Double action

Working medium

Compressed air, in accordance with ISO 8573-1:2010 [7:4:4]

Description of Work and Pilot Media

Can work with lubricating medium (must continue to work with lubricating medium thereafter)

Corrosion resistance grade CRC

1- Low corrosion resistance

Paint Wetting Defect Substance (PWIS) Compliance

VDMA24364-B1/B2-L

Cleanroom level

Level 7, in accordance with ISO 14644-1

ambient temperature

-20 °C ... 80 °C

Impact energy at the end position

0.15 J

Maximum force Fy

608 N

Maximum force Fy, static

608 N

Maximum force Fz

608 N

Maximum force Fz, static

608 N

Maximum torque Mx

13.98 Nm

Maximum torque Mx, static

13.98 Nm

Maximum torque My

10.34 Nm

Maximum torque My, static

10.34 Nm

Maximum torque Mz

10.34 Nm

Maximum torque Mz, static

10.34 Nm

The maximum allowable torque load Mx is a function of the stroke

2.2 Nm

The maximum payload depends on the stroke at the specified distance xs

67 N

Theoretical force value at 6 bar, return stroke

90 N

Theoretical force value at 6 bar, forward travel

121 N

Mobile quality

364 g

Product weight

772 g

Backup interface

View product drawings

Pneumatic interface

M5

Material Description

RoHS compliance

Lid material

Refined aluminum alloy

Sealing material

NBR

Shell material

Refined aluminum alloy

Material of piston rod

High alloy stainless steel