

# Guided Drive DFM-100-125-P-A-GF - Festo 170896

<b>Item no.</b>	FES-170896	<b>Manufacturer</b>	Festo
<b>Manufacturer no.</b>	DFM-100-125-P-A-GF	<b>EAN</b>	4052568139902

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

## TECHNICAL DATA

Article authenticity	<b>Original product</b>
Betriebsdruck max [bar]	<b>10.000000</b>
Bohrung (mm)	<b>100.000000</b>
Condition of article	<b>New</b>
HS-Code	<b>84123100</b>
Hub [mm]	<b>125.000000</b>
Pneumatischer Anschluss	<b>G3/8</b>
Weight	<b>17.094 kg</b>
Werkstoff	<b>Aluminium</b>



## 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.

Centre of mass distance of payload to Joch plate [mm]	125
Stroke [mm]	125
Piston diameter	100 mm
Operating mode actuator unit	Joch
Dampening	P: Elastic silencer rings / plates double-sided
installation position	arbitrary

Guide	sliding guide
Construction set up	Guide
Position detection	For proximity switch
Operating pressure [bar]	0.5 to 10
Max. speed [m/s]	0,4
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	1 - low corrosion stress
ambient temperature [°C]	-20 to 80
Impact energy at the end positions [J]	1,000
Max. permitted moment load $M_x$ depending on stroke [Nm]	46,400
Max. usable load depending on the stroke at a defined distance $x_s$ [N]	494,00
Theoretical force at 6 bar, Return flow [N]	4.418
Theoretical force at 6 bar, flow [N]	4.712
Moving mass [g]	9.000,0
Product weight [g]	17.094,0
Alternative connections	See product drawing
Pneumatic connection	G3/8
Material information	RoHs compliant
Cover material	Aluminium wrought alloy
Seals material	NBR
Housing material	Aluminium wrought alloy
Piston rod material	High-alloyed stainless steels