

Hinge Cylinder DWB-50-100-Y-A-G - Festo 565738

Item no. FES-565738

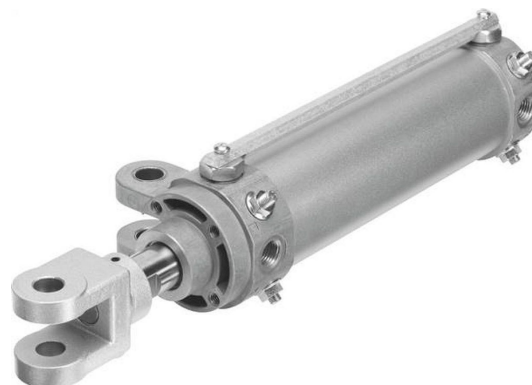
Manufacturer Festo

EAN 4052568212810

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

TECHNICAL DATA

Betriebsdruck max [bar]	10.000000
Bohrung (mm)	50.000000
Corrosion resistance class CRC	0 - No corrosion stressing
Cushioning	PPV: Pneumatic dampening both sides adjustable
Design	Kolben, Zylinderrohr, Kolbenstange mit Gabelkopf, Schwenkbefestigung am Lagerdeckel
Dichtmaterial	NBR
Funktion	doppeltwirkend
HS-Code	84123100
Hub [mm]	100.000000
Medium	Druckluft
Mounting position	arbitrary
Pneumatischer Anschluss	G1/4
Position sensing	Yes
Serie	DWB
Temperature (max.)	60
Weight	1.7 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]	100
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

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Construction set up	Kolben Zylinderrohr Kolbenstange mit Gabelkopf Schwenkbefestigung am Lagerdeckel
Geschwindigkeitsregelung	integrierte Drosseln beidseitig
Position detection	For proximity switch
Piston rod end	Außengewinde mit Gabelkopf
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 mit Schwenkbefestigung am Lagerdeckel
Pneumatic connection	G1/4
Werkstoff Gabelkopf	Vergütungsstahl Stahlguss
Material information	RoHs compliant
Wiper material	Bronze
Cover material	Aluminium die casting anodized
Seals material	NBR
Piston rod material	Quenched and tempered steel hard chromium plated
Cylinder tube material	Aluminium wrought alloy anodized