

Data Sheet

Cylinders - Compact Cylinders

A03050050O-M

A03 Series - Double Acting Cylinder



Technical Specification

Product Description	DA 50 x 50 Compact Cyl.(Mag) Basic, Male thread
Large Description	• A03050050O-M • DA 50 x 50 Compact Cyl.(Mag) Basic, Male thread • Magnetic • Elastomer end cushion
Cylinder Bore (mm)	050
Stroke (mm)	050
Stroke 1 (mm) for Multi Position	Not Applicable
Stroke 2 (mm) for Multi Position	Not Applicable
Piston Rod Diameter (mm)	020
Dimensional Standard	Not Confirms to Standard
Cushioning Method	Elastomer end cushion
Position Detection	Magnetic
Mode of Operation	Double Acting
Functional Variable	Compact
Pneumatic Connection	G1/4
Piston rod Thread Size	M16 x 1.5
Theoretical force at 0.6 MPa(6 Bar,87 PSI), Retract stroke (Force in N) 1N = 0.1 kgf	890

Theoretical force at 0.6 MPa(6 Bar,87 PSI), Retract stroke (Force in N) 1N = 0.1 kgf	1060
Seal Kit Part Number	SK0163
Piston Rod End Thread Type	Male Thread
Mounting Type	Counter bore and through hole on both sides
Optional Features	Basic
Optional Mountings	Basic
Optional Accessories	None
Magnetic Sensor	AM2032
Connectors	• R1/4 x Dia 6-OD Tubing • R1/4 x Dia 8-OD Tubing • R1/4 x Dia 10-OD Tubing
Tubes	Dia 6, Dia 8 & Dia 10
Flow Control Valves	• R1/4 x Dia 6-OD Tubing • R1/4 x Dia 8-OD Tubing • R1/4 x Dia 10-OD Tubing
Catalogue Dim L (mm)	137
Catalogue Dim B (mm)	64
Basic weight for 0 mm stroke	Nil
Additional weight per 10 mm stroke	Nil
Additional weight per mm stroke[kilograms]	Nil
Product Weight [kilograms]	0.9
Product Weight [pounds]	1.98
Package size L x B x H (mm)	Nil
Package size L x B x H (inch)	Nil
Operating Medium	Compressed air – Filtered – Lubricated
Ambient Temperature °C	-10 °C to +60 °C
Ambient Temperature °F	14 °F to 140 °F
Cylinder Type	Compact Cylinder
Cushion Pad	Elastomer
Operating Pressure (bar)	0.5 to 10
Operating Pressure (psi)	7.25 to 145
Operating Pressure (MPa)	0.05 to 01
Cushioning Stroke (mm)	Not Applicable
Medium Temperature °C	5 °C to 50 °C

Medium Temperature °F	41 °F to 122 °F
Variants	Piston rod at one end
Features	• Compact, light weight, and space saving design • Large clamping force in relation to their size • Low friction, long life seal design • Elastomer end cushion
Note	For Non standard or longer stroke cylinders, contact your Regional office or Regional dealer or Janatics India
Temperature Storage Range Low °C	-10 °C
Temperature Storage Range Low °F	14 °F
Temperature Storage Range High °C	+60 °C
Temperature Storage Range High °F	140 °F
REACH	Nil
ROHS	Nil
Shelf Life	Nil
HSN Code	84123100
Unit of Measurement	No's
Minimum Order Quantity	1
Is this part Made-to-Order?	Yes
Inner Package Quantity	1
Manufacturer Name	Janatics India Private Limited
Brand Name	Janatics
Countries of Origin	India