

Data Sheet

Cylinders - Compact Cylinders

A63050050O

A63 Series - Double Acting Cylinder-ISO



Technical Specification

Product Description	DA 50 x 50 Compact(ISO) Cyl.(Mag) Basic
Large Description	• A63050050O • DA 50 x 50 Compact(ISO) Cyl.(Mag) Basic • Magnetic • Elastomer end cushioning
Cylinder Bore (mm)	050
Stroke (mm)	050
Piston Rod Diameter (mm)	016
Dimensional Standard	ISO 21287
Cushioning Method	Elastomer end cushioning
Position Detection	Magnetic
Mode of Operation	Double Acting
Functional Variable	Standard
Medium Temperature °C	5 °C to 50 °C
Medium Temperature °F	41 °F to 122 °F
Materials of Construction	Aluminium, Steel, Polyurethane, Nitrile (Regular)
Pneumatic Connection	G1/8
Piston rod Thread Size	M12x1.25
Theoretical force at 0.6 MPa(6 Bar,87 PSI), Retract stroke (Force in N) 1N = 0.1 kgf	952

Theoretical force at 0.6 MPa(6 Bar,87 PSI), Extend stroke (Force in N) 1N = 0.1 kgf	1060
Seal Kit Part Number	SK0141
Piston Rod End Thread Type	Female Thread
Optional Features	Basic
Optional Mountings	Basic
Optional Accessories	None
Connectors	• R1/8 x Dia 6-OD Tubing • R1/8 x Dia 8-OD Tubing
Tubes	Dia 6 & Dia 8
Flow Control Valves	• R1/8 x Dia 6-OD Tubing • R1/8 x Dia 8-OD Tubing
Catalogue Dim L (mm)	103
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]	0.752
Product Weight [pounds]	1.66
Package size L x B x H (mm)	Nil
Package size L x B x H (inch)	Nil
Operating Medium	Compressed air – Filtered – Lubricated
Operating Medium	Compressed air – Filtered – Lubricated
Ambient Temperature °C	-10 °C to +60 °C
Ambient Temperature °C	-10 °C to +60 °C
Ambient Temperature °F	14 °F to 140 °F
Ambient Temperature °F	14 °F to 140 °F
Cylinder Type	Compact ISO type
Cylinder Type	Compact ISO type
Cushion Pad	Elastomer
Cushion Pad	Elastomer
Operating Pressure (bar)	0.5 to 10
Operating Pressure (bar)	0.5 to 10
Operating Pressure (psi)	7.25 to 145
Operating Pressure (psi)	7.25 to 145

Operating Pressure (MPa)	0.05 to 01
Operating Pressure (MPa)	0.05 to 01
Cushioning Stroke (mm)	Not Applicable
Cushioning Stroke (mm)	Not Applicable
Magnetic Sensor	AM41, AM42 Series
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Variants	Piston rod at one end
Variants	Piston rod at one end
Shelf Life	Nil
Shelf Life	Nil
Features	• Elastomer end cushioning • Wide varieties of mountings • Space saving • Magnetic and Non magnetic version • Aluminium profile (square) cylinder barrel • Magnetic sensor common for all sizes (ReFeMagnetic sensor catalogue) • Optional: High temperature (FKM seals) 150° C max. (only applicable for high temperature series)
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Note	For Non standard or longer stroke cylinders, contact your Regional office or Regional dealer or Janatics India
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Temperature Storage Range Low °C	-10 °C
Temperature Storage Range Low °C	-10 °C

Temperature Storage Range Low °F	14 °F
Temperature Storage Range Low °F	14 °F
Temperature Storage Range High °C	+60 °C
Temperature Storage Range High °C	+60 °C
Temperature Storage Range High °F	140 °F
Temperature Storage Range High °F	140 °F
REACH	Nil
REACH	Nil
ROHS	Nil
ROHS	Nil
Type of Mountings	Basic cylinder, Foot mounting, Front flange, Rear flange, Male clevis, Female clevis,
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Type of Accessories	Clevis foot bracket, Wall mounting bracket, Rod end fork, Rod end aligner, Rod end spherical eye
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HSN Code	84123100
HSN Code	84123100
Unit of Measurement	No's
Unit of Measurement	No's
Minimum Order Quantity	1
Minimum Order Quantity	1
Is this part Made-to-Order?	Yes
Is this part Made-to-Order?	Yes
Inner Package Quantity	1
Inner Package Quantity	1
Manufacturer Name	Janatics India Private Limited
Manufacturer Name	Janatics India Private Limited
Brand Name	Janatics
Brand Name	Janatics
Countries of Origin	India

Countries of Origin	India
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