

Data Sheet

Cylinders - Tie Rod Cylinders

A12050125O

A12 Series - Double Acting Cylinder



Technical Specification

Product Description	DA 50 x 125 Cyl. Basic
Large Description	• A12050125O • DA 50 x 125 Cyl. Basic • Non-Magnetic • Adjustable cushioning at both ends
Cylinder Bore {mm}	050
Stroke {mm}	125
Cushioning Stroke (mm)	023
Pneumatic Connection	G1/4
Piston Rod Diameter (mm)	020
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	891
Theoretical force at 0.6 MPa(6 Bar,87 PSI), Extend stroke (Force in N) 1N = 0.1 kgf	1060
Seal Kit Part Number	SK0003
Cushioning Method	Adjustable cushioning at both ends
Optional Features	Basic
Optional Mountings	Basic
Optional Accessories	None
Mode of Operation	Double Acting
Position Detection	Non-Magnetic

Dimensional Standard	ISO 6431 / CETOP RP43P, RP53P
Connectors	• R1/4 x Dia 8-OD Tubing • R1/4 x Dia 10-OD Tubing
Tubes	Dia 8 & Dia10
Flow Control Valves	• R1/4 x Dia 8-OD Tubing • R1/4 x Dia 10-OD Tubing
Catalogue Dim (L)	304
Catalogue Dim (B)	63
Basic weight for 0 mm stroke	Nil
Additional weight per 10 mm stroke	Nil
Additional weight per mm stroke[kilograms]	Nil
Product Weight [kilograms]	1.65
Product Weight [pounds]	3.64
Package size L x B x H (mm)	250 x 100 x 100
Package size L x B x H (inch)	14.76x3.94x3.94
Operating Medium	Compressed air – Filtered – Lubricated
Working Pressure (bar)	0.5 to 10
Working Pressure (psi)	7.25 to 145
Working Pressure (MPa)	0.05 to 01
Ambient Temperature °C	-10 °C to +60 °C
Ambient Temperature °F	14 °F to 140 °F
Medium Temperature °C	5 °C to 50 °C
Medium Temperature °F	41 °F to 122 °F
Materials of Construction	Aluminium, Brass, Nitrile, Steel, Acetal, Iron, Bronze, Polyurethane
Cylinder Type	Tie Rod Cylinder
Cushion Pad	Not Applicable
Piston-rod end	Male Thread
Variants	Piston rod at one end
Types of Mountings	Basic cylinder, Foot mounting, Front flange, Rear flange, Male clevis, Female clevis, Front trunnion, Rear trunnion, Centre trunnion
Types of Accessories	Clevis foot bracket, Wall mounting bracket, Trunnion bracket, Rod end fork, Rod end aligner, Rod end spherical eye

Features	• Adjustable cushioning at both ends • Wide varieties of mountings • Low friction • Long life
Magnetic Sensor	Not Applicable
Shelf Life	Nil
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
HSN Code	84123100
Note 1	Cylinder with centre trunnion is factory fitted.
Note	For Non standard or longer stroke cylinders, contact your Regional office or Regional dealer or Janatics India
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