JANATICS

Data Sheet

Cylinders - Square Profile Cylinders

A23032025O

A23 Series - Double Acting Cylinder

Technical Specification

Product Description	DA 32 x 25 SQ Cyl.(Mag) Basic
Large Description	• A23032025O • DA 32 x 25 SQ Cyl.(Mag) Basic • Magnetic • Adjustable cushioning at both ends
Cylinder Bore {mm}	032
Stroke {mm}	025
Cushioning Stroke (mm)	021
Piston Rod Diameter (mm)	012
Dimensional Standard	ISO 15552 / VDMA 24562
Position Detection	Magnetic
Mode of Operation	Double Acting
Cushioning Method	Adjustable cushioning at both ends
Medium Temperature °C	5 °C to 50 °C
Medium Temperature °F	41 °F to 122 °F
Materials of Construction	Aluminium, Brass, Steel, Acetal, Polyurethane, Nitrile (Regular)
Pneumatic Connection	G1/8
Piston Rod Thread Size	M10 x 1.25
Theoretical force at 0.6 MPa(6 Bar,87 PSI), Retract stroke (Force in N) 1N = 0.1 kgf	373

Theoretical force at 0.6 MPa(6 Bar,87 PSI), Extend stroke (Force in N) 1N = 0.1 kgf	434
Seal Kit Part Number	SK0051
Mode of Operation	Double Acting
Functional Variable	Standard
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
Working Pressure (bar)	0.5 to 10
Working Pressure (psi)	7.25 to 145
Working Pressure (MPa)	0.05 to 01
Magnetic Sensor	AM41, AM42 Series
Catalogue Dim L (mm)	171
Catalogue Dim B (mm)	45
Basic weight for 0 mm stroke	Nil
Additional weight per 10 mm stroke	Nil
Additional weight per mm stroke[kilograms]	Nil
Product Weight [kilograms]	0.6
Product Weight [pounds]	1.32
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	Square Profile Cylinder
Cushion Pad	Elastomer
Piston-rod end	Male Thread
Variants	Piston rod at one end

Features	• Adjustable cushioning at both ends with elastomer pads • Wide varieties of mountings • Magnetic and Non magnetic version • Low Friction (Optional) • Aluminium profile (square) cylinder barrel • Magnetic sensor common for all sizes (Refer Magnetic sensor catalogue) • Optional - High temperature (FKM seals) 150°C max. ** • Optional - Non corrosive Stainless steel piston rod and piston rod lock nut (SS 304) **
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
Type of Mountings	Basic cylinder, Foot mounting, Front flange, Rear flange, Male clevis, Male clevis (with spherical bearing), Female clevis, Female clevis (King pin), Front trunnion, Rear trunnion
Type of Accessories	Clevis foot bracket, Clevis foot bracket (spherical) , Wall mounting bracket,Trunnion bracket, Rod end fork, Rod end aligner, Rod end spherical eye
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

Note	• For Non standard or longer stroke cylinders, contact your Regional office or Regional dealer or Janatics India • ** - Refer Special Ordering number • # - Applicable only for standard strokes (Upto 500mm)