JANATICS

Data Sheet

Cylinders - Miniature & Round Cylinders

A52025080O

A52 Series - Double Acting Cylinder-ISO Miniature

Technical Specification

Product Description	DA 025 X 080 Cyl. (Mag) Basic
Large Description	• A52025080O • DA 025 X 080 Cyl. (Mag) Basic • Magnetic • Elastomer cushioning at both ends
Cylinder Bore {mm}	025
Stroke {mm}	080
Piston Rod Diameter (mm)	010
Dimensional Standard	ISO 6432 / CETOP RP52P
Cushioning Method	Elastomer cushioning at both ends
Position Detection	Magnetic
Mode of Operation	Double Acting
Functional Variable	Standard
Pneumatic Connection	G1/8
Piston rod Thread Size	M10x1.25
Theoretical force at 0.6 MPa(6 Bar,87 PSI), Retract stroke (Force in N) 1N = 0.1 kgf	222
Theoretical force at 0.6 MPa(6 Bar,87 PSI), Extend stroke (Force in N) 1N = 0.1 kgf	264
Optional Features	Basic
Optional Mountings	Basic

Optional Accessories	None
Magnetic Sensor	AM1025
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)	223
Catalogue Dim B (mm)	32
Basic weight for 0 mm stroke	Nil
Additional weight per 10 mm stroke	Nil
Additional weight per mm stroke[kilograms]	Nil
Product Weight [kilograms]	Nil
Product Weight [pounds]	Nil
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	Miniature Cylinders
Working Pressure (bar)	0.5 to 10
Working Pressure (psi)	7.25 to 145
Working Pressure (MPa)	0.05 to 01
Medium Temperature °C	5 °C to 50 °C
Medium Temperature °F	41 °F to 122 °F
Materials of Construction	Aluminium, Brass, Nitrile, Polyurethane, Steel, Acetal
Cushion Pad	Elastomer
Piston-rod end	Male Thread
Variants	Piston rod at one end
Seal Kit Part Number	Nil
Features	• Elastomer cushioning at both ends • Wide varieties of mountings • Low friction • Long life

Note	For Non standard or longer stroke cylinders, contact your Regional office or Regional dealer or Janatics India
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	Front foot mounting, Double foot mounting, Front flange, Rear flange, Front trunnion, Rear trunnion
Type of Accessories	Clevis foot bracket, Trunnion bracket, Rod end fork, Rod end aligner
HSN Code	Nil
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