

Data Sheet

Cylinders - Miniature & Round Cylinders

A81020050O

A81 Series - Single Acting Cylinder-Miniature



Technical Specification

Product Description	DA 020 X 050 Cyl. Basic
Large Description	• A81020050O • DA 020 X 050 Cyl. Basic • Non-Magnetic • Elastomer end cushioning
Cylinder Bore {mm}	020
Stroke {mm}	050
Pneumatic Connection	008
Piston Rod Diameter (mm)	008
Dimensional Standard	ISO 6432 / CETOP RP52P
Cushioning Method	Elastomer end cushioning
Position Detection	Non-Magnetic
Mode of Operation	Single Acting
Functional Variable	Standard
Piston rod Thread Size	M8x1.25
Bearing Bush	8
Output Force	149
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)	181
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	Crimped Cylinder
Cushion Pad	Elastomer
Operating Pressure (bar)	2 to 10
Operating Pressure (psi)	29 to 145
Operating Pressure (MPa)	0.2 to 01
Cushioning Stroke (mm)	Not Applicable
Medium Temperature °C	5 °C to 50 °C
Medium Temperature °F	41 °F to 122 °F
Materials of Construction	Aluminium, Brass, Nitrile, Steel, Acetal, Polyurethane
Magnetic Sensor	Not Applicable
Piston-rod end	Male Thread
Variants	Piston rod at one end
Seal Kit Part Number	Nil
Features	• Elastomer end cushioning • 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