

Compact Design Hydraulic Cylinder

Model:100S-1

Full Product Description

The 100S-1 series is compact hydraulic cylinder that can be used up to 16MPa depending on the frequency of use. Aluminum alloy is used for the cylinder body in pursuit of cost performance. A special copper alloy is used for the bearings, which are important for hydraulic cylinders. We also have bore size from $\phi 20$ to $\phi 100$. The switch set mounting switch can be set to any position by sliding.

Markets:

- Industrial
- Processing

Applications:

- Factory Automation
- Machine Tools
- Molding
- Food & Beverage
- Plastic Processing

Features/Benefits:

- Configurable in 1mm stroke increments.
- The rod end can be selected from two female and male screw specifications.
- Individual testing of each cylinder for reliability.

Industry Standard:

- ISO 16656

Technical Specifications

Bore Diameter:	φ20,φ25,φ32,φ40,φ50,φ63,φ80,φ100mm	Seal Material:	6:HNBR 3:FluorocarbonThe seal of cylinders with bores of 20 and 25mm is only HNBR.
Operating Pressure:	10MPa	Maximum Operating Pressure:	16MPa(Refer to the working pressure range diagram.) MPa
Proof Pressure:	20MPa	Minimum Operating Pressure:	0.3 MPa
Operating Speed:	8 to 100mm/s	Operating Temperature:	-10 to +70℃(No freezing) (ambient/fluid temperature) °C
Cushioning Type:	None	For Fluid Type:	Petroleum-based fluid(When using another fluid,give us such instructions.)
Thread Tolerance:	JIS 6H/6g	Stroke Tolerance:	0 to +0.8mm
Body Material:	Aluminum alloy	Mounting Type:	SD,LD,FA,FB
Rod End Thread Type:	Female thread and male thread		