

14MPa Heavy Duty Hydraulic Cylinder with Tube Flange Model:140L-1

Full Product Description

The 140L-1 series is a 14MPa tube flange type double-acting hydraulic cylinder that supports inner diameters of $\phi 63$ to $\phi 160$ and strokes of 200 to 3,000mm. The adaption of O-ring seal for cover and screwed tube flange. By adopting a high-performance cushion, the impact at the time of stopping is reduced.

Markets:

- General Industry
- Machine Tool
- Miscellaneous Manufacturing

Applications:

- General Industry
- Factory Automation
- Machine Tools
- Transport machinery
- Conveyance

Features/Benefits:

- Standard pallet is up to 3,000mm.
- High-performance cushion reduces a shock at stroke-end.
- Newly designed cushion valve allows easy cushion adjustment.
- The drop prevention mechanism and looseness preventive lock nut have been adopted as safety measures for the cushion valve.

Technical Specifications

Bore Diameter:	φ63,φ80,φ100,φ125,φ140,φ160 mm	Rod End Type:	Rod B,Rod A, Rod eye(T-end),Rod clevis(Y-end)with pin,lock nut
Seal Material:	1:Nitrile rubber 2:Urethane rubber 3:Fluorocarbon 6:HNBR The rods A of cylinders with bores from 140 and 160mm are made of 1 or 2.	Operating Pressure:	14MPa
Maximum Operating Pressure:	18 MPa	Proof Pressure:	21MPa
Minimum Operating Pressure:	Cap side:0.3MPa or less Rod side:(A)0.6MPa or less(B)0.45MPa or less MPa	Operating Speed:	20 to 200mm/s(excluding cushion)
Operating Temperature:	-10 to +80°C(No freezing) (ambient/fluid temperature) °C	Cushioning Type:	Metal fitting system
For Fluid Type:	Petroleum-based fluid(When using another fluid,give us such instructions.)	Thread Tolerance:	JIS 6g/6H
Stroke Tolerance:	200 to 630mm:0 to +1.25 631 to 1000mm:0 to +1.4 1001 to 1600mm:0 to +1.6 1601 to 2500mm:0 to +1.8 2501 to 3000mm:0 to +3.0	Mounting Type:	LA,FA,FB,CA,CB,TA,TC
Bellows Material:	Standard:Nylon tarpaulin, Semi-standard:Chloroprene,Conex		