

16MPa Double Acting Hydraulic Cylinder

Model:160H-1

Full Product Description

The 160H-1 series is a 16MPa specification double acting tie rod hydraulic cylinder with an inner diameter of $\phi 32$ to $\phi 160$ that adopts the ISO standard. By adopting a floating cushion, a smooth start is achieved.

A hydraulic cylinder equipped with a high-performance cushion that adopts ISO standards as standard equipment. Switch sets have been standardized for all cylinder bore sizes of $\phi 32$ to $\phi 160$. Cutting fluid resistant specifications have also been standardized up to a bore size of $\phi 80$.

Markets:

- General Industry
- Factory Automation
- Entertainment Automation
- Machine Tools
- Molding

Applications:

- General Industry
- Factory Automation
- Machine Tools
- Injection Molding
- Presses

Features/Benefits:

- 11 standard mounting styles.
 - Single and double rod designs available.
 - Standard stroke is up to 2,000mm.
 - Sealing material can be selected from 4 types.
 - Magnetic proximity switch specifications are also available.
 - Cutting oil resistant specifications are also standardized. Industry Standard
 - ISO 6020-2
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Technical Specifications

Bore Diameter:	Rod B:φ32,φ40,φ50,φ63,φ80,φ100,φ125,φ140,φ160Rod A:φ32,φ40,φ50,φ63,φ80,φ100,φ125 mm	Seal Material:	1:Nitrile rubber 2:Urethane rubber 6:HNBR 8:Combined seal
Operating Pressure:	16MPa	Maximum Operating Pressure:	20 MPa
Proof Pressure:	24MPa	Minimum Operating Pressure:	Cap side:0.3MPa or less Rod side:(A)0.6MPa or less(B)0.45MPa or less MPa
Operating Speed:	φ32 to φ63:8 to 400mm/s φ80 to φ125:8 to 300mm/s φ140,φ160:8 to 200mm/s The minimum working range of the combined seal type cylinders (seal code: 8) is 1 mm/s.	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.)
Port Type:	Rc(JIS B 0203),G(ISO 1179- 1)	Thread Tolerance:	JIS 6g/6H
Stroke Tolerance:	0 to 100mm:0 to +0.8 101 to 250mm:0 to +1.0 251 to 630mm:0 to +1.25 631 to 1000mm:0 to +1.4 1001 to 1600mm:0 to +1.6 1601 to 2000mm:0 to +1.8	Body Material:	Carbon steel for machine structural use
Mounting Type:	SD,LA,EA,EB,FA,FE,FB,CA,CB,TA,RA	Rod End Type:	Rod eye(T-end),Rod clevis(Y-end)with pin
Bellows Material:	Standard: Nylon tarpaulinSemi-standard: Chloroprene,Conex	Accessories Included:	Lock nut