

14MPa Double Acting Hydraulic Cylinder

Model: 140H-8

Full Product Description

The 140H-8 series is a 14MPa specification double acting tie rod hydraulic cylinder with a bore diameter from 32 to 250. By adopting a high-performance cushion, the impact at the time of stopping is reduced. The switch set has been standardized up to a bore diameter 150. Cutting oil resistant specifications are also supported as standard.

Markets:

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

Applications:

- General industry
- Factory Automation
- Machine tools
- Injection molding
- Presses

Features/Benefits:

- 16 standard mounting styles.
- Single and double rod designs available.
- Up to 3 rod sizes per bore.
- Standard stroke is up to 2000mm.
- As a safety measure, the cushion valve uses a retaining mechanism and a locknut to prevent loosening.
- Sealing material can be selected from 5 types.
- Standardization of cutting resistance specifications..
- Magnetic proximity switch specifications are also available.

Industry Standard:

- JIS Standard

Technical Specifications

Bore Diameter:	Rod B:φ32,φ40,φ50,φ63, φ80,φ100,φ125,φ140, φ150,φ160,φ180,φ200, φ224,φ250 Rod C:φ40,φ50,φ63, φ80,φ100,φ125,φ140, φ150,φ160,φ180,φ200, φ224,φ250 Rod A:φ40,φ50, φ63,φ80,φ100,φ125, φ140,φ150,φ160 mm	Seal Material:	1:Nitrile rubber 2:Urethane rubber(φ32 to φ160) 3:Fluorocarbon 6:HNBR(φ32 to φ160) 8:Slipper seal(φ32 to φ100)
Operating Pressure:	14 MPa	Maximum Operating Pressure:	Cap side:9 Rod side: (A)15(B)13.5(C)11 MPa
Proof Pressure:	21 MPa	Minimum Operating Pressure:	Cap side:0.3MPa or less Rod side:(A)0.6MPa or less(B)0.45MPa or less(C)0.4MPa or less MPa
Operating Speed:	U sealφ32 to φ63:8 to 400mm/s φ80 to φ125:8 to 300mm/s φ140 to φ250:8 to 200mm/s Slipper sealφ32 to φ63:1 to 400mm/s φ80,φ100:1 to 300mm/s	Operating Temperature:	-10 to +80°C(No freezing) °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:	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
Tube Material:	Carbon steel for machine structural use	Mounting Type:	SD,LA,LB,LC,FA,FB,FC,FD,FK,FE,FY,FZ,CA,CB,CS,TA,TC
Rod End Type:	·Rod eye(T-end),Rod eye(S-end)with spherical bearing,Rod clevis(Y-end)with pin,lock nut,Floating joint(F-end:Do not use together with Mounting style CA,CB,CS,TA and TC accessories.)·Boots Standard:Nylon tarpaulin, Semi-standard:Chloroprene,Conex	Bellows Material:	Standard:Nylon tarpaulin, Semi-standard:Chloroprene,Conex