

3.5MPa Hydraulic Cylinder with Position Detector Model:35P-3

Full Product Description

The 35P-3 series is a tie rod hydraulic cylinder with a 3.5MPa specification position sensor with bore size of $\phi 32$ to $\phi 100$. High-precision position control and position detection can be obtained by combining with a computer or digital counter. The switch set has been standardized up to a bore size of $\phi 100$.

Markets:

- General Industry
- Factory Automation
- Machine Tools
- Molding

Applications:

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

Features/Benefits:

- 5 standard mounting styles.
- Standard stroke is up to 1,600mm.
- Sealing material can be selected from 2 types.
- Magnetic proximity switch specifications are also available.
- Resolution : 0.1 mm/pulse

Technical Specifications

Bore Diameter:	φ32,φ40,φ50,φ63,φ80,φ100	Seal Material:	1:Nitrile rubber 8:Slipper Seal
Operating Pressure:	3.5MPa	Maximum Operating Pressure:	4.5 MPa
Proof Pressure:	5MPa	Minimum Operating Pressure:	0.2MPa or less MPa
Operating Speed:	U seal:8 to 300mm/s Slipper seal:0.1 to 300mm/s RPM	Operating Temperature:	'-10 to +50°C(no freezing) (ambient 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:	0 to 250mm:0 to +1.0251 to 1000mm:0 to +1.41001 to 1800mm:0 to +1.8
Body Material:	Carbon steel for machine structural use	Mounting Type:	SD,LA,LB,FG,FH,CT
Rod End Type:	Rod eye (T-end), rod clevis (Y-end) with pin,Floating joint(F-end:Do not use together with Mounting style CT accessories.)	Bellows Material:	Standard : Nylon tarpaulin Semi-standard : Chloroprene, Conex
Input Voltage:	Standard:12V DC Semi-standard:12V to 24V DC	Signal Output:	Standard:12 V DC voltage output Phase A & B (90°phase)30mA or less Semi-standard:NPN open collector output Phase A & B (90°phase)Applied voltage : 24 V DC or less Sink current:30mA or less
Maximum Operating Speed:	300mm/s	Resolution:	0.1mm/Pulse mm
Maximum Output Error:	0.5mm/m(Length measuring error per meter of total moving distance)	Operating Humidity:	90%RH(no condensing)