



7LX Series

Medium Duty Electro-Hydraulic
2.50 through 6.00 bore
NFPA Tie Rod Electro-Hydraulic Service
Pressure Rated - Up to 1115 psi Pressure Rating

The 7LX series cylinder is a turnkey solution for electro-servo requirements. The 7LX offers the ability to integrate Linear displacement Transducer with servo valve mounting pads and integral plumbing in a heavy duty hydraulic cylinder package. It also includes the best feature of the 7L series as in repair ability. Optional integral valve pads minimize leak points and are available in many servo valve patterns (D03, D05, Servo A, Servo B) and any custom requirements.

Basic Product Offers

- ◆ 100,000 PSI min yield Chromed Rod
- ◆ 100,000 PSI min yield Tie Rods
- ◆ Steel Honed Barrel
- ◆ Precision Machined Heads and Caps
- ◆ Uni Cartridge Bolted Rod Bearing
- ◆ 12 NFPA/JIC Mounting Styles
- ◆ 7 Standard Rod End Styles
- ◆ SAE Straight Thread Ports
- ◆ Multiple Rod Diameters per Bore Size
- ◆ Low Friction Teflon Gyld-Ring Piston
- ◆ Low Friction Teflon Lined Rod Bearing

Available Constructions

- ◆ Single Rod End

Max Operation Pressures

- ◆ 2.50" bore - 1115 psi
- ◆ 3.25" bore - 990 psi
- ◆ 4.00" bore - 700 psi
- ◆ 5.00" bore - 680 psi
- ◆ 6.00" bore - 575 psi

Basic Mounting Offers

- ◆ B - Head Rectangular Flange (MF1)
- ◆ BB - Head Square Flange (MF5)
- ◆ CC - End Foot Lugs (MS7)*
- ◆ E - Intermediate Trunnion (MT4)
- ◆ EB - Cap End Trunnion (MT2)
- ◆ ER - Head End Trunnion (MT1)
- ◆ G - Fixed Clevis (MP1)**
- ◆ H - Side Tapped (MS4)
- ◆ J - Side Lugs (MS2)
- ◆ K - Centerline Lugs (MS3)
- ◆ M - Extended Tie Rods Head End (MX3)
- ◆ O - Basic No Mount (MX0)
- ◆ Q - Rectangular Head (ME5)

Additional Mounting Offers

- ◆ D - Fixed Pivot (MP3)**
- ◆ SP - Spherical Pivot**

Standard 2 Year Warranty

- ◆ Standard defect two (2) year or 4,000 hrs of normal application usage
- ◆ Electronics per it's factory warranty

Optional Offers

- ◆ Porting
 - Undersized-SAE
 - Oversized Couples-SAE and NPTF
 - Integral Valve Pads
 - D03
 - D05
 - Servo A
 - Servo B
 - Special Requested Ports
- ◆ Servo-Valve Sub-plate Mounting
- ◆ Integral and Sub-plate Port plumbing
- ◆ End of Stroke Cushions (Head End)
- ◆ Seal Materials
 - Buna Seals Thru Out
- ◆ Rod Materials
 - 17-4 Stainless Steel
- ◆ Special Requested Rod Ends
- ◆ Multiple Wrench Flats
- ◆ Full Face Cartridge Retainers
- ◆ Extended Key Retainers
- ◆ Rod Gland Drains
- ◆ Special Fluid Applications
 - Water Fitted
 - Water Glycol
 - Special Requested Mediums
- ◆ Air Bleeds
- ◆ Coatings
 - Primer
 - Epoxy
 - Nickel-Plating
 - Cadmium Plating
 - Special Requested Coatings
- ◆ Rod Boots
- ◆ Heavy and Light Duty Switch Enclosures
- ◆ Cylinder Accessories
 - Rod End
 - Base Mounts
 - Electronics - LDT Liner Transducers
 - Z - Style - Canned (above)
 - Embedded Style

* Available in the larger bore sizes

** Requires an switch enclosure and will increase the cylinders overall length

Inspection and Test

- ◆ All cylinders are fully inspected for order accuracy and bench pressure tested before painting and shipping.
- ◆ All 7LX series are bench pressure tested to the cylinders' rated pressure