



3THX Series

Heavy Duty Electro-Hydraulic
2.50 through 8.00 bore
NFPA Tie Rod Electro-Hydraulic Service
3000 psi Pressure Rating

The 3THX series cylinder is a turnkey solution for electro-servo requirements. The 3THX 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 3TH 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. Available in 12 NFPA/JIC mounting styles and 7 rod end styles.

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

- ◆ Heavy Duty - 3000 psi

Standard 2 Year Warranty

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

The 3THX design incorporates our Uni Cartridge rod gland, for quick and easy replacement without dis-assembly of the cylinder body.

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**

Optional Offers

- ◆ Porting
 - Undersized-SAE
 - Oversized Couples-SAE and NPTF
 - Integral Valve Pads
 - D03
 - D05
 - Servo A
 - Servo B
 - Special Requested Ports

Optional Offers

- ◆ 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
- ◆ Tierod Materials
 - ETD150 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 with the 10.00" thru 20.00" 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 3THX series are bench pressure tested to the cylinders' rated pressure