



7K Series

Heavy Duty Pneumatic
1.50 through 20.00 bore
NFFPA Tie Rod Pneumatic Service
250 psi Pressure Rating

The 7K series cylinders are built rugged for industry's toughest pneumatic applications. The 7K series incorporates a hard chromed bore steel tubing and Buna seals for low friction long lasting operation. Available in 21 mounting styles and 7 rod end styles in accordance with NFFPA/JIC guidelines.

Basic Product Offers

- ◆ 100,000 PSI min yield Chromed Rod
- ◆ 100,000 PSI min yield Tie Rods
- ◆ Steel Honed Chromed Barrel
- ◆ Precision Machined Heads and Caps
- ◆ Uni Cartridge Bolted Rod Bearing
- ◆ 21 NFFPA/JIC Mounting Styles
- ◆ 7 Standard Rod End Styles
- ◆ NPTF Ports
- ◆ Multiple Rod Diameters per Bore Size

Available Constructions

- ◆ Single Rod End
- ◆ Double Rod End
- ◆ Cap End Cover Stroke Adjustment
- ◆ Tandem - Single Rod End
- ◆ Back-to-Back
- ◆ Spring Extend
- ◆ Spring Return
- ◆ Multiple-Stage

Max Operation Pressures

- ◆ Heavy Duty - 250 psi

Standard 2 Year Warranty

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

Basic Mounting Offers

- ◆ A - Cap Rectangular Flange (MF2)
- ◆ AA - Cap Square Flange (MF6)*
- ◆ 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)
- ◆ L - Extended Tie Rods Both Ends (MX1)
- ◆ M - Extended Tie Rods Head End (MX3)
- ◆ N - Extended Tie Rods Cap End (MX2)
- ◆ O - Basic No Mount (MX0)
- ◆ P - Rectangular Cap (ME6)
- ◆ PP - Square Cap (ME4)***
- ◆ Q - Rectangular Head (ME5)
- ◆ QQ - Square Head (ME3)***
- ◆ SP - Spherical Pivot**
- ◆ R - Detachable Pivot (MP4)*
- ◆ Z - Detachable Clevis (MP2)*

Additional Mounting Offers

- ◆ D - Fixed Pivot (MP3)**

Optional Offers

- ◆ Porting
 - SAE Straight Threads
 - British Parallel
 - British Tapered
 - Flanged SAE-Code 61
 - Flanged SAE-Code 62
 - Undersized-NPTF and SAE
 - Oversized Couples-NPT and SAE
 - Special Requested Ports
- ◆ End of Stroke Cushions
- ◆ Impact Bumpers****
- ◆ Seal Materials
 - Polyurethane
 - Viton
 - Ethylene-Propylene
 - Teflon
- ◆ Bore Materials
 - Chromed Bore - Type II
- ◆ Rod Materials
 - 303 Stainless Steel****
 - 304 Stainless Steel****
 - 17-4 Stainless Steel
- ◆ Special Requested Rod Ends
- ◆ Multiple Wrench Flats
- ◆ Full Face Cartridge Retainers
- ◆ Extended Key Retainers
- ◆ Coatings
 - Primer
 - Epoxy
 - Nickel-Plating
 - Cadmium Plating
 - Special Requested Coatings
- ◆ Metallic Scraper
- ◆ Rod Boots
- ◆ Cylinder Accessories
 - Rod End
 - Base Mounts
 - Electronics - Switches
 - Flanged End of Stroke
 - Dyna Style End of Stroke

*Available with the 1.50" thru 4.00" bore sizes
** Available with the 1.50" thru 6.00" bore sizes
*** Available with the 8.00" thru 20.00" bore sizes
**** May be restricted per bore and rod combinations

Inspection and Test

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