



## 7KA Series

Heavy Duty Pneumatic  
1.50 through 8.00 bore  
NFPA Tie Rod Pneumatic Service  
250 psi Pressure Rating

The 7KA series cylinders offers the best of two worlds; heavy duty pneumatic pressures in a tie rod cylinder construction and aluminum components for use with reed or hall effect type switches. The 7KA series has steel covers, rod, and tie rods with aluminum tubing and magnetic piston. Available in 21 mounting styles and 7 rod end styles in accordance with NFPA/JIC guidelines.

### Basic Product Offers

- ◆ 100,000 PSI min yield Chromed Rod
- ◆ 100,000 PSI min yield Tie Rods
- ◆ Durable Aluminum Barrel
- ◆ Precision Machined Heads and Caps
- ◆ Uni Cartridge Bolted Rod Bearing
- ◆ 21 NFPA/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

### 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
- ◆ Seal Materials
  - Polyurethane
  - Viton
  - Ethylene-Propylene
  - Teflon
- ◆ 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
  - Adjustable Positions
  - Reed
  - Hall Effect

\* Available with the 1.50" thru 4.00" bore sizes  
\*\* Available with the 8.00" bore size

### Inspection and Test

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