



## ASH Series

Light Duty Hydraulic  
1.50 through 10.00 bore  
NFPA Aluminum Bodied Hydraulic Service  
Up to 500 psi Pressure Rating

The ASH series cylinders are a new innovative design from the creative team at Quincy Ortman Cylinders. This multi-service cylinder design utilizes precision extruded aluminum tubing unique to Quincy Ortman Cylinders. Channels in the extruded tubing make adding reed or hall effect switches simple. The aluminum cylinder body is durable, lightweight, and corrosion resistant. The ASH design incorporates our threaded bronze rod gland, for quick and easy replacement without dis-assembly of the cylinder body.

### Basic Product Offers

- ◆ 100,000 PSI min yield Chromed Rod
- ◆ 100,000 PSI min yield Tie Rods\*\*
- ◆ Durable Extruded Aluminum Barrel\*
- ◆ Precision Machined Heads and Caps
- ◆ Thread Bronze Rod Bearing
- ◆ 16 NFPA/JIC Modular Mounting Styles\*  
8 NFPA/JIC Modular Mounting
- ◆ 14 NFPA/JIC Mounting Styles\*\*
- ◆ 7 Standard Rod End Styles
- ◆ NPTF Ports
- ◆ Multiple Rod Diameters per Bore Size
- ◆ Low friction Wearband on piston

### Available Constructions

- ◆ Single Rod End
- ◆ Double Rod End
- ◆ Tandem - Single Rod End\*\*
- ◆ Back-to-Back\*\*
- ◆ Spring Extend\*\*
- ◆ Spring Return\*\*
- ◆ Multiple-Stage\*\*

### Max Operation Pressures

- ◆ 1.50" thru 4.00" Bore Sizes  
Non-Cushioned - 500 psi  
Cushioned - 400 psi
- ◆ 5.00" thru 10.00" Bore Sizes  
Non-Cushioned - 400 psi  
Cushioned - 300 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)\*\*
- ◆ C - End Foot Brackets\*
- ◆ CC - End Foot Lugs (MS7)
- ◆ 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)
- ◆ PP - Square Cap (ME4)\*\*
- ◆ QQ - Square Head (ME3)\*\*
- ◆ R - Detachable Pivot (MP4)\*
- ◆ Z - Detachable Clevis (MP2)\*

### Additional Mounting Offers

- ◆ D - Fixed Pivot (MP3)\*\*
- ◆ F - Rabbit\*
- ◆ SP - Spherical Pivot\*\*
- ◆ P - Rectangular Cap (ME6)
- ◆ Q - Rectangular Head (ME5)

### Optional Offers

- ◆ Porting  
SAE Straight Threads  
British Parallel  
British Tapered  
Undersized-NPTF and SAE  
Special Requested Ports
- ◆ End of Stroke Cushions
- ◆ Seal Materials  
Polyurethane  
Viton  
Ethylene-Propylene  
Teflon  
Metallic-Step Cut Rings
- ◆ Rod Materials  
17-4 Stainless Steel  
303 Stainless Steel\*\*\*  
304 Stainless Steel\*\*\*
- ◆ Special Requested Rod Ends
- ◆ Multiple Wrench Flats
- ◆ Special Fluid Applications
- ◆ Air Bleeds
- ◆ Rod Boots
- ◆ Magnetic Pistons
- ◆ Cylinder Accessories  
Rod End  
Base Mounts  
Adjustable Positions  
Reed  
Hall Effect

### Inspection and Test

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

The ASH design incorporates our threaded bronze rod gland, for quick and easy replacement without dis-assembly of the cylinder body.

\* Available with the 1.50" thru 4.00" bore sizes  
\*\* Available with the 5.00" thru 10.00" bore sizes  
\*\*\* May be restricted per bore and rod combinations