Connecting Fluid Power for over 60 Years

NOTE: Due to Magnaloy’s policy of continuous improvement, specifications are subject to change without notice.
* Check with the factory or our Web Site at www.magnaloy.com for the latest information.
CYLINDER ROD END ALIGNMENT COUPLERS - SECTION 6

M - Series Specifications .............................................................. 2
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Check out our Product Configurator Program
https://configurator.magnaloy.com
Time and Money Saving Features

- Eliminates need for custom designing.
- Simplifies cylinder installation.
- Increases design tolerances.
- Cuts cylinder repairs.
- Increases cylinder life - easier on seals, wiper, bearing surfaces and cushion parts.
- Compensates for machinery deflection and cuts bearing wear from side loads and binding.
- Allows equally effective angular or lateral displacement in either direction, push or pull.
- Immediate delivery from stock on thread sizes thru 1 1/2”.
- Adjusted at factory, no clearance of end play.
- Same load rating push or pull.
- Internal thread mates with standard style No. 2 cylinder piston rods; external with style No. 3.
- Available in metric threads, consult factory.
- Available in Stainless Steel, consult factory.

- Total of 10° Spherical Movement in push or pull.
- Total of 1/8” Lateral Movement.
- Manufactured from high tensile and hardened materials.
- Lubricated at factory.
### M - Series Dimensions

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<th>PART NO.</th>
<th>A THREAD SIZE</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
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* Tolerance +/- .030 inch, all other dimensions +/- .015 inch
**Time and Money Saving Features**

- Lubricated at factory.
- Adjusted at factory, no clearance or end play.
- Same load rating - push or pull.
- Internal thread mates with standard style No. 2 cylinder piston rods; external thread with style No. 3.
- Total of 7 1/2° Spherical Movement and 1/8” Lateral movement capabilities.
- Designed to retro-fit with competitive brands while offering increased strength and misalignment capabilities.
- Manufactured from high tensile and hardened materials for additional strength and dependability.
- Available in metric threads, consult factory.
- Available in Stainless Steel, consult factory.
## R - Series Dimensions

### PART NO. | A THREAD SIZE | B | C | D | E | F | G | H | J | K | MAX. RATED LOAD | APROX. WEIGHT (LBS.)
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
R010-01024 R010-01224 | 5/16-24 3/8-24 | 1.115 | 1.770 | 0.920 | 0.500 | 0.500 | 0.375 | 0.750 | 0.460 | 0.930 | 1,450 2,425 | 0.35
R020-01420 R020-01620 R020-02018 | 7/16-20 1/2-20 5/8-18 | 1.365 | 1.988 | 1.115 | 0.750 | 0.625 | 0.500 | 0.875 | 0.440 | 1.088 | 3,250 4,450 6,800 | 0.55
R030-02416 R030-02814 | 3/4-16 7/8-14 | 1.990 | 2.340 | 1.600 | 1.125 | 0.969 | 0.750 | 1.313 | 0.600 | 1.282 | 9,050 14,450 | 1.4
R040-10014 R040-10812 | 1-14 1-1/4-12 | 3.115 | 2.964 | 2.360 | 1.625 | 1.450 | 1.250 | 1.875 | 0.743 | 1.794 | 19,425 30,825 | 4.8

* Tolerance +/- .030 inch, all other dimensions +/- .015 inch

### Diagram

- **A - THREAD**
- **K**
- **J**
- **D**
- **H**
- **ACROSS FLATS**
- **E**
- **ACROSS FLATS**
- **A - TAP**
- **E - DEPTH**
Make the Connection with Magnaloy

Whatever your Fluid Power Unit needs, Magnaloy has the products to keep you connected.

Flexible Drive Couplings
Top-of-the-line magnesium couplings are lighter, yet stronger than either cast iron or aluminum. They also offer better corrosion resistance and easier handling.

Pump/Motor Mounts
Precision machined aluminum & custom steel pump/motor mounts directly connect the motor and pump while ensuring accurate shaft alignment and enclosing the coupling. Vertical and horizontal models readily available from stock.

PM 90 Couplings
Economical PM-90 Iron Powder Couplings have long lasting nitrile, hytrel or urethane inserts. Double set screws give excellent gripping power.

Magnaloy Reservoirs
& Reservoir Accessories
Magnaloy offers a complete line of standard reservoirs and reservoir accessories. In addition, we offer custom reservoir fabrication to meet our customer specific needs. Reservoirs accessories such as Clean Out Covers and SAE Couplings are available for the “do-it-yourself” reservoir manufacturer.

Magnaloy Pressure Switch
Pressure Sensing switch capable of sensing up to three (3) separate pressures. Each sensor is externally independently adjustable from 200 to 4000 psi. Viton seals provide wide fluid compatibility range.

Accessories
Filler Breather Adaptors, Filler Breathers, Reservoir Flanges, Suction Strainers, Gauge Isolators, Liquid Level Gauges, Modular O-Ring Kits.

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