

Thousands
of solutions.
Endless
configurations.
Infinite
applications.

Industry-Leading Support

- > Heavy-duty 3,000 PSI hydraulic cylinders in 2 to 3 business days
- > Online part configuration - extremely customizable products with a wide variety of options
- > Access to an expansive 2D/3D cad file library online
- > Real-time price, availability and delivery information on Bimba.com
- > Manufacture to the strictest standards with ISO 9001 certification

Cutting-Edge Technology

- > Designed with durability in mind
- > Engineered for the long haul
- > Superior performance
- > Compact models available to fit in the smallest and most challenging of applications without sacrificing performance

IMI Precision Engineering operates four global centres of technical excellence and a sales and service network in 75 countries, as well as manufacturing capability in the USA, Germany, China, UK, Switzerland, Czech Republic, Mexico and Brazil.

For information on all IMI Precision Engineering companies visit
www.imi-precision.com

Supported by distributors worldwide.



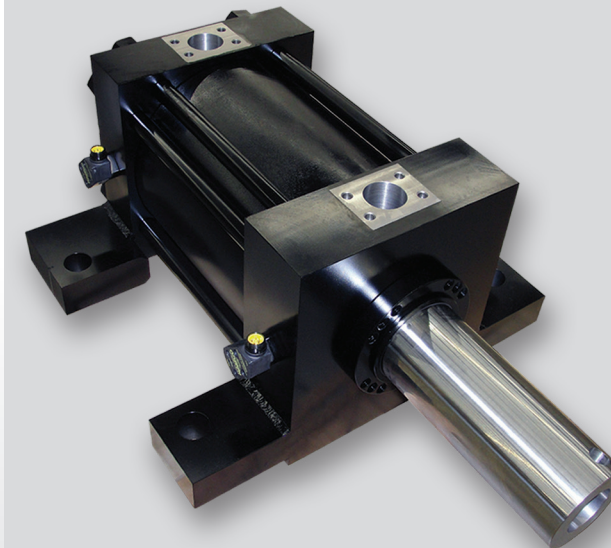
Due to our policy of continuous development, Bimba reserve the right to change specifications without prior notice.

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Hydraulic Actuators



*We make
things MOVE®*

**Industry-leading
2-3 day delivery**

*We make
things MOVE®*

Options

POSITIONING

Cylinders are supplied with mounted manifolds, tubing, fittings and gun drilled rods for your servo ready applications using a position transducer. Our engineers are ready to help with your specific requirements.



ROD LOCK

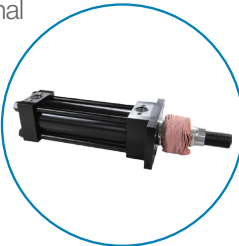


The floating rod bushing design and Rod Lock option deliver optimized results and superior performance. High holding forces are available in several hydraulic release pressures.

- > 1.50" - 8.00" Bore
- > 0.625" - 4.00" Rod

ROD BOOT

Rod boots provide additional protection to the cylinder rod. They are typically used in dirty environments to help extend cylinder life. Rod boots are made-to-order and available in many different materials.



0 - 500 PSI Models



FEATURES & BENEFITS

- > Standard Cylinder (TA) and Flush Mount (FM) models feature self-aligning rod bushings to significantly reduce rod seal wear
- > Round body "500" Series features replaceable rod studs for easy repair and is lighter weight than conventional NFPA tie rod designs
- > Round body Centaur design features industry-leading low breakaway ratings
- > Bore sizes from 5/16" to 12" address a wide variety of applications
- > Range of pressure ratings from 250 PSI (round body models) to 400 PSI (tie rod designs) available

MODELS



TA, FM, and more
Rated up to 400 PSI

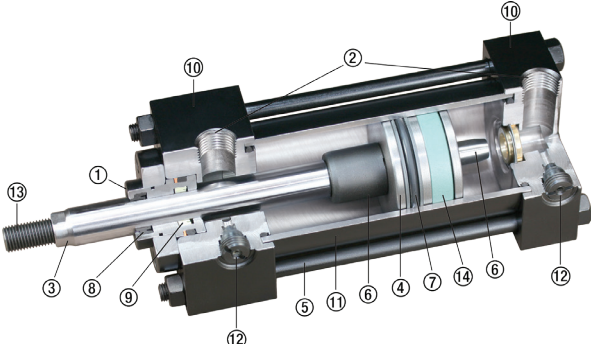


"500" Series
Original Line® design rated
for 500 PSI



Centaur
Repairable round body
hydraulics

0 - 1500 PSI Models

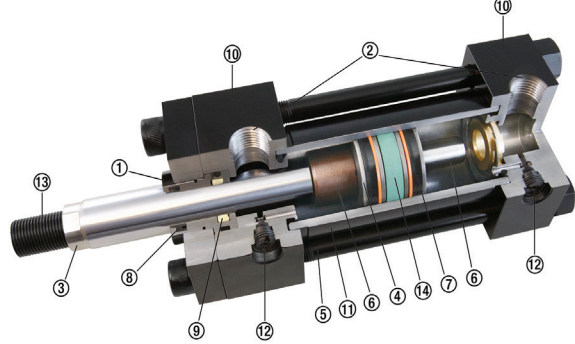


- | | |
|-------------------------|-------------------------------|
| 1. Floating Rod Bushing | 7. Piston Seal |
| 2. Ports | 8. Rod Wiper |
| 3. Piston Rod | 9. Rod Seal |
| 4. Piston | 10. Head and Cap |
| 5. Tie Rods | 11. Tube |
| 6. Cushion Spud | 12. Cushion Adjustment Needle |

FEATURES & BENEFITS

- > Medium Pressure Hydraulic (MH) Series models feature self-aligning rod bushings that significantly reduce rod seal wear
- > Designed specifically for medium pressure applications up to 1500 PSI, offering cost savings over high pressure (3000 PSI) models
- > Bore sizes range from 1-1/2" to 8"
- > Rod sizes up to 5 1/2" diameter offer superior load carrying capabilities
- > Single bi-directional piston seals and extended width wear band provide superior side load carrying capabilities.

0 - 3000 PSI models



- | | |
|-------------------------|-------------------------------|
| 1. Floating Rod Bushing | 7. Piston Seals |
| 2. Ports | 8. Rod Wiper |
| 3. Piston Rod | 9. Rod Seal |
| 4. Piston | 10. Head and Cap |
| 5. Tie Rods | 11. Tube |
| 6. Cushion Spud | 12. Cushion Adjustment Needle |

FEATURES & BENEFITS

- > Heavy Pressure Hydraulic (HH) Series models feature self-aligning rod bushings that significantly reduce rod seal wear
- > Designed specifically for heavy duty pressure applications up to 3000 PSI, offering a more robust design than the 1500 PSI medium pressure models at a minimum additional cost
- > Bore sizes range from 1-1/2" to 8"
- > Heavy wall hard chrome-plated steel body tubing provides superior seal wear characteristics
- > Six NFPA standard rod end styles available for optimal customization

Compact



FEATURES & BENEFITS

- > Offers heavy-duty power in a compact package without sacrificing performance
- > Easily customized for today's automation equipment
- > The Compact Medium Hydraulic (CMH) optional switch groove allows for a lower profile than tie rod cylinders
- > Electroless Nickel (EN) plated cast iron piston, end caps/rod bearings, and heavy duty lip urethane wiper seals provide extended cylinder life
- > CMH models offer pressures up to 2030 PSI
- > CHH models offer pressures up to 3000 PSI

MODELS



CMH
Medium pressure



CHH
High pressure

Features

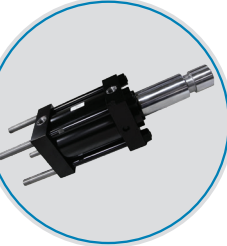
CUSTOMIZABLE PISTON RODS

Every piston rod is made-to-order and typically does not affect our 2-3 day delivery. Get exactly the rod thread, rod extension and rod end design that you need.



SPECIAL CONSTRUCTION

All hydraulic products are made-to-order, so simply specify exactly what you need. Single, double or special mounts are available. Most cylinders ship in just 2-3 days



For example:

- > 3.00" diameter KK10; 3.50" diameter rod
- > HH-MX2 mount with tie rods threaded through cap
- > Custom AC = 9.625
- > Delivered in 2-3 day schedule