

Industry-Leading Support

- > 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
- > Tested for extreme temperatures, fatigue and life span to ensure the best in quality and durability

Thousands of solutions.

Endless configurations.

Infinite applications.

Cutting-Edge Technology

- > Every cylinder is made-to-order per customer specifications
- > Standard options do not affect delivery times, giving customers product diversity without sacrificing time
- > Graphite-filled and Teflon-coated cast-iron bushings ensure longevity and performance
- > Standard and oversized rod diameters and special rod ends are available to fit a variety of specifications
- > Precision-machined components for the highest quality

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 reserves the right to change specifications without prior notice.

Bimba
25150 S. Governors Hwy
University Park, IL 60484
Tel: +1 708 534 8544
Fax: +1 708 235 2014

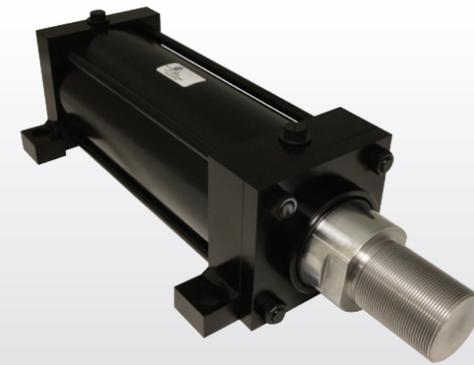
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BRO-BIM-NFPA-0818



NFPA Actuators



We make things MOVE®



**Industry-Leading
2-3 Day Delivery**

We make things MOVE®

Bimba is part of
IMI Precision Engineering

Standard Aluminum & Standard Steel



FEATURES & BENEFITS

- > Self-aligning rod bushing designed to float 0.002"
 - Improved bearing surface alignment
 - Longer life than traditional "fixed" rod bushing design
 - Reduces breakaway and running friction for overall responsiveness
- > Variety of bore sizes with multiple mounting options for optimal compatibility
- > Precision machined from high alloy aluminum (TA models)
- > Steel tubes are hard chrome plated with honed I.D.'s for extended seal life (TAS models)

MODELS



TA Series
Core product with a vast offering of enhancements

TAS Series
Core steel product made of robust components

Double-Wall®



FEATURES & BENEFITS

- > Six NFPA mounting styles, utilizing easy to assemble "bolt on" mounting kits
- > Epoxy-coated aluminum tie-tube outer shell protects the inner stainless steel body tube from harsh environments
- > Variety of mounting and accessory options
 - Non-rotating rod
 - Non-lubricated seals or high temperature seals
 - Magnetic pistons.

MODELS



Double-Wall®
Medium duty, NFPA interchangeable cylinders

Flush Mount & Tough Duty



FEATURES & BENEFITS

- > FM Series tie rods or nuts are not exposed at the head and cap for flexible mounting design
- > Optional rod lock available up to 6" bore (FM models)
- > Dampening piston seals (BP) and fixed head and cap cushions (FC) for heavy-duty performance are standard on TD models
- > Optional adjustable cushions for precise adjustments and maximum performance (TD models)

MODELS



FM Series
Sleeve nut construction for flush mounting

TD Series
Enriched construction for impact resistance

3-Position, Back to Back & Air/Oil Tandem



FEATURES & BENEFITS

- > 3-Position models utilize two units built as one for space-savings and a lower cost than mounting multiple cylinders to create a third position
- > BTB Series combines two individual cylinders with shared bore sizes and tie rods for a true 4-position cylinder
- > Four repeatable positions as required for all end-of-stroke positions (BTB models)
- > Combining air and oil in tandem cylinders allows for high force and precise stroke control in a single package

MODELS



3P Series
Three-position cylinder combination

BTB Series
Precise four-position cylinder combination

TM Series
Tandem air/oil for force and precise control

Triple Rod, Telescoping & Multi-Stage



FEATURES & BENEFITS

- > Triple Rod cylinders utilize three piston rods to increase stability and strength
- > TRA models feature a heavy-duty, non-rotating design for longer strokes
- > Telescoping cylinders remain 100% double acting while providing space-savings
- > Multi-stage cylinders supply air to multiple pistons to increase force output in extend (MSE), retract (MSR), or both directions (MSE-MSR)
- > High flow models optional for higher speed applications (MSE/MSR models)

MODELS



TRA Series
Non-rotating triple rod cylinder

TC Series
Two-stage telescoping cylinder

MSE/MSR Series
High force cylinders utilizing multiple pistons

Stainless Steel & Repairable SS



FEATURES & BENEFITS

- > Ideal for applications subjected to chemicals and corrosive environments.
- > Stainless steel multi-stage cylinders combine benefits of protection in corrosive environments with increased force outputs
- > 300 Series stainless steel construction provides excellent corrosion resistance (SS and RS models)
- > Optional FDA-USDA certification on RS models with -U option

MODELS



SS/SS-MS Series
Machined stainless steel cylinders

RS Series
USDA-approved repairable stainless steel cylinders