



Industrial
Automation

IMI Bimba



More Than Pneumatics

Experience the IMI Bimba Hydraulic Difference

Get the same trusted flexibility, performance, and support you know from our pneumatics, in a reliable hydraulic solution.

Unmatched Durability

NFPA Tie-Rod Cylinders (MH & HH Series)

- Heavy wall, chrome-plated steel tubing resists rust and withstands **harsh environments**
- Floating rod bushing reduces wear — **25% longer life** than fixed designs
- Self-lubricating seals **extend cylinder life up to 3x**

Round Body Cylinders (Original Line® “HL” and 500 Series)

- Optimized for reliable performance in **space-constrained applications**
- Reinforced stainless steel body for corrosion resistance
- PTFE wear surfaces for smooth operation and reduced friction

Backed by IMI Bimba Service

- Industry leading 5 day lead-times on NFPA cylinders
- Rush delivery options available
- Made in the USA with local support
- Industry-leading 3-Year Warranty



Common Applications

- **Material Handling:** Palletizing load positioning
- **Mobile Equipment:** Mechanism extension and positioning
- **Metal Forming:** Stamping press
- **Waste Equipment:** Container lifting, compactor ram

Hydraulic Cylinder Overview

0-500 PSI



Round Body Cylinder Original Line® "HL" Option

- 12 bore sizes (5/16" - 3")
- Self-aligning rod bushings that reduce rod seal wear

Operating Pressure:

250 psi HYD (17 bar)

Operating Temperature:

-20°F to 200°F (-29°C to 93°C)



Round Body Cylinder Original Line® "500" Series

- 3 bore sizes (1-1/16", 1-1/2", 2")
- Hard chrome plated piston rod with sintered bronze guide bushing

Operating Pressure:

500 psi HYD (35 bar)

Operating Temperature:

-20°F to 200°F (-29°C to 93°C)



NFPA Tie Rod Cylinder TA Series "TH"

- 1-1/2" - 8" bores
- Self-aligning rod bushings that reduce rod seal wear

Operating Pressure:

400 psi HYD (28 bar)

Operating Temperature:

-20°F to 200°F (-29°C to 93°C)

0-1500 PSI



NFPA Tie Rod Cylinder MH Series

- 1-1/2" - 8" bores
- Self-aligning rod bushings that reduce rod seal wear

Operating Pressure:

1500 psi HYD (103 bar)

Operating Temperature:

-20°F to 200°F (-29°C to 93°C)

0-3000 PSI



NFPA Tie Rod Cylinder HH Series

- 1-1/2" - 8" bores
- Self-aligning rod bushings that reduce rod seal wear

Operating Pressure:

3000 psi HYD (207 bar)

Operating Temperature:

-20°F to 200°F (-29°C to 93°C)

Common Options



Customized Piston Rods

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



Positioning

Cylinders can be supplied with mounted manifolds, tubing, fittings and gun drilled rods for your servo ready applications using a position transducer.



Seals

Choose from a range of standard seal materials to ensure optimal compatibility with your application, including fluorocarbon, ethylene propylene, and glass-filled PTFE. Custom seal options are also available to meet specific requirements.



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



Find out more [here](#)