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> [Baomain CY-32 Y-Type Foot Mount Flange Instruction Manual for SC32/MAL32/MA32 Pneumatic Air Cylinders](#)

## Baomain CY-32

# Baomain CY-32 Y-Type Foot Mount Flange Instruction Manual

For SC32/MAL32/MA32 Series 32mm Bore Pneumatic Air Cylinders

## 1. PRODUCT OVERVIEW

The Baomain CY-32 Y-Type Foot Mount Flange is a robust mounting accessory designed for pneumatic air cylinders. It provides a secure and stable connection point for cylinders in various industrial applications. Constructed from heavy-duty iron with a rust-proof coating, this flange ensures durability and reliable performance in demanding environments.



**Figure 1:** Overview of the Baomain CY-32 Y-Type Foot Mount Flange. This image displays the complete flange assembly, highlighting its robust construction and design.

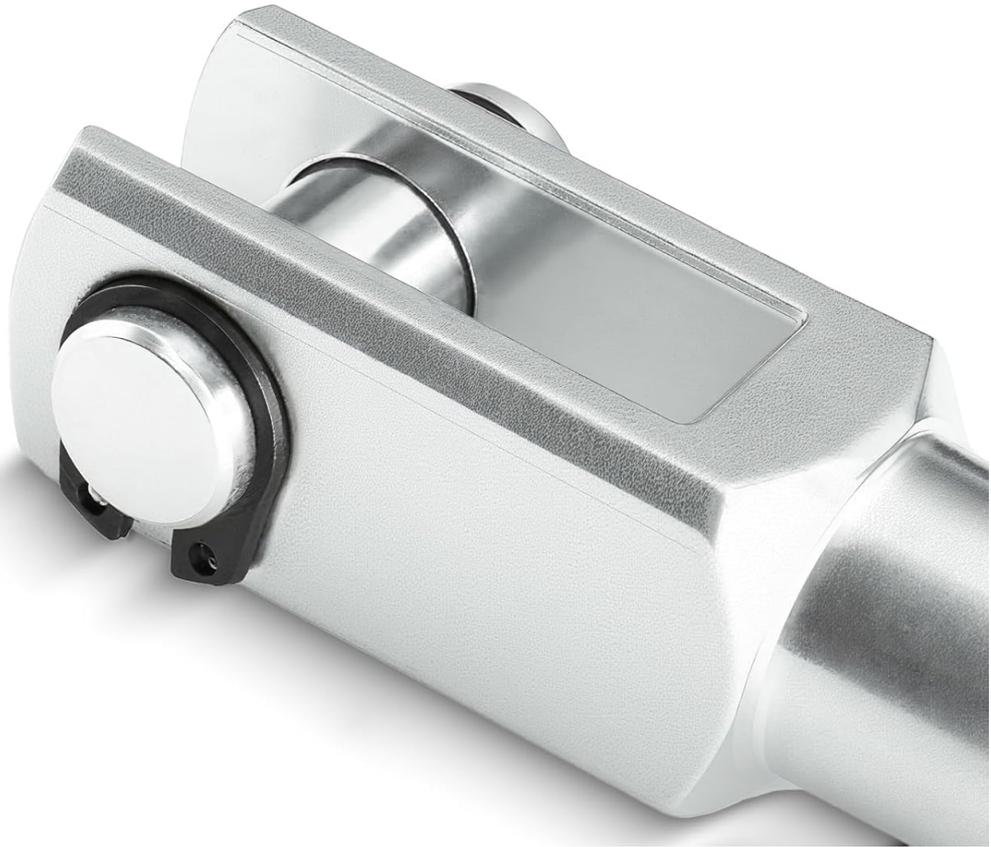
This flange is specifically engineered for compatibility with SC32, MAL32, and MA32 series pneumatic cylinders, which typically feature a 32mm (1.25-inch) bore. Its standardized M10x1.25 threaded port allows for straightforward integration with compatible pneumatic fittings.

## 2. KEY FEATURES

- **Durable Construction:** Made from heavy-duty iron with a rust-proof coating for enhanced longevity and resistance to corrosion.
- **Precision Fit:** Designed to precisely match SC32, MAL32, and MA32 series pneumatic cylinders with a 32mm bore.
- **Standardized Threading:** Features M10x1.25 threaded ports for easy and secure connection to cylinder rods.
- **Stable Mounting:** Provides a stable and durable mounting solution, reducing vibration during operation.
- **Wide Application:** Suitable for use in automation equipment, light industry machinery, chemical and textile manufacturing, and electronics and machinery assembly.

# Zinc-plated Surface

Resistant to rust, corrosion, and oxidation



**Figure 2:** Close-up view of the zinc-plated surface of the flange. This plating provides resistance against rust, corrosion, and oxidation, contributing to the product's durability.

# Y-Type Cylinder Flange

The bracket is made of one-piece infusion molding, which is high in hardness, wear-resistant and has strong bearing capacity.



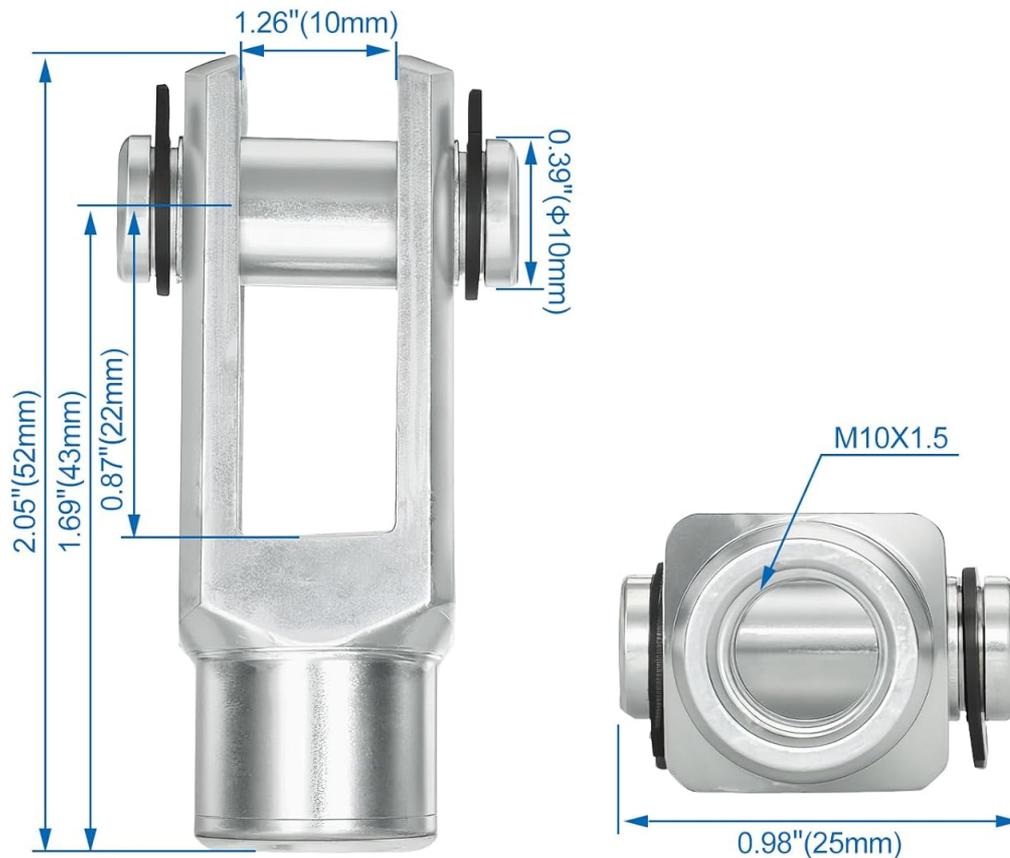
**Figure 3:** Illustration of the Y-Type Cylinder Flange's construction. The bracket is manufactured using a one-piece infusion molding process, ensuring high hardness, wear resistance, and strong bearing capacity.

## 3. SPECIFICATIONS

Attribute	Detail
Model	CY-32 (Y-type Cylinder Flange)
Material	Heavy-duty Iron with Rust-proof Coating
Compatible Cylinder Bore	32mm (1.25 inch)
Compatible Cylinder Series	SC32, MAL32, MA32
Port Thread Size (NH)	M10x1.25
Overall Dimensions (Approximate)	Length: 52mm (2.05"), Width: 43mm (1.69"), Height: 22mm (0.87")
Pin Diameter ( $\Phi$ NC)	10mm (0.39")
Weight	Approximately 1.59 ounces (45 grams)

# Product Size

Y-Connector  
M10X1.5



**Figure 4:** Detailed product dimensions for the CY-32 Y-Connector. This diagram provides critical measurements including overall length, width, pin diameter, and thread size. While the diagram indicates M10x1.5 for the Y-Connector, the specified port thread size for this product (CY-32) is M10x1.25. Please refer to the text specifications for accurate thread details.

## 4. INSTALLATION AND SETUP

Proper installation of the CY-32 Y-Type Foot Mount Flange is crucial for safe and efficient operation of your pneumatic system.

### 4.1 Pre-Installation Checklist

- Verify that the pneumatic cylinder model is SC32, MAL32, or MA32 with a 32mm bore.
- Ensure all components of the flange are present and undamaged.
- Gather necessary tools (e.g., wrenches for M10x1.25 threads).

# Fits SC32 Cylinders

Designed specifically for pneumatic cylinder model SC32 cylinders (32mm/1.25inch bore)



**Figure 5:** The CY-32 flange shown attached to an SC32 pneumatic cylinder. This illustrates the intended compatibility and fit of the product.

## 4.2 Installation Steps

1. **Prepare the Cylinder:** Ensure the pneumatic cylinder is de-pressurized and secured in a stable position.
2. **Attach Flange to Cylinder Rod:** Carefully thread the CY-32 Y-Type Foot Mount Flange onto the rod end of the SC32/MAL32/MA32 cylinder. Ensure the M10x1.25 threads align correctly to prevent cross-threading.
3. **Tighten Securely:** Use an appropriate wrench to tighten the flange onto the cylinder rod. Do not overtighten, but ensure it is firm and secure to prevent loosening during operation.
4. **Mount the Assembly:** Once the flange is securely attached to the cylinder, mount the entire cylinder assembly to the desired surface or equipment using appropriate fasteners through the flange's mounting holes.

# Quick Installation

Compact Design | Tool-free removal | Long-lasting performance



**Figure 6:** Depiction of the quick installation process for the CY-32 flange. Its compact design allows for tool-free removal of the pin and promises long-lasting performance once installed.

## 4.3 Important Considerations

- This product is not intended for use with drinking water pipes.
- Avoid prolonged contact with acidic substances to prevent material degradation.

## 5. OPERATION

The Baomain CY-32 Y-Type Foot Mount Flange is a passive component designed to provide a stable mounting point for pneumatic cylinders. Its operation is directly tied to the function of the pneumatic cylinder it supports.

- Once installed, the flange securely holds the cylinder in place, allowing the cylinder's rod to extend and retract as per the pneumatic system's control.
- Ensure that the cylinder's movement is unobstructed and that the flange is not subjected to excessive lateral forces beyond its design capacity.
- Regularly inspect the mounting points for any signs of wear or loosening during the operation of the pneumatic system.

# Wide Applications

Compatible with Pneumatic Actuators  
Across Manufacturing, Energy & Logistics



**Figure 7:** Examples of wide applications for the Baomain CY-32 flange. It is compatible with various pneumatic actuators across manufacturing, energy, and logistics sectors, including production lines, general machinery, shop floors, and material handling systems.

## 6. MAINTENANCE

The CY-32 Y-Type Foot Mount Flange requires minimal maintenance due to its robust construction and rust-proof coating. However, periodic checks are recommended to ensure continued optimal performance and safety.

- **Visual Inspection:** Regularly inspect the flange for any signs of physical damage, cracks, deformation, or excessive wear.
- **Corrosion Check:** Although rust-proof coated, inspect for any signs of corrosion, especially if exposed to harsh environments.
- **Tightness Check:** Periodically check the tightness of the threaded connection to the cylinder rod and the mounting bolts to the equipment. Retighten if necessary.
- **Cleaning:** Clean the flange as needed using a damp cloth. Avoid abrasive cleaners or solvents that could damage the coating.

## 7. TROUBLESHOOTING

As a mechanical mounting component, the CY-32 flange typically does not have complex operational issues. Most problems relate to installation or compatibility.

Problem	Possible Cause	Solution
Flange does not fit cylinder rod.	Incorrect cylinder model or thread size.	Verify cylinder model (SC32/MAL32/MA32) and rod thread size (M10x1.25). Ensure compatibility before attempting installation.
Flange becomes loose during operation.	Insufficient tightening during installation; excessive vibration.	De-pressurize system, retighten the flange to the cylinder rod and mounting bolts. Consider vibration dampening if vibration is excessive.
Visible rust or corrosion on flange.	Exposure to harsh chemicals or prolonged acidic contact; damage to rust-proof coating.	Clean affected area. If corrosion is significant, consider replacement. Avoid contact with acidic objects.

## 8. SAFETY INFORMATION

- Always ensure pneumatic systems are de-pressurized before attempting installation, maintenance, or removal of components.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation and maintenance.
- Do not modify the flange. Use it only for its intended purpose as a mounting bracket for compatible pneumatic cylinders.
- Ensure all connections are securely tightened to prevent accidental detachment or failure during operation.
- Keep out of reach of children.

## 9. WARRANTY AND SUPPORT

For specific warranty information and customer support regarding your Baomain CY-32 Y-Type Foot Mount Flange, please refer to the purchase documentation or contact Baomain customer service directly. Contact details can typically be found on the Baomain official website or through your product retailer.

For additional product information or to explore other Baomain products, visit the official Baomain store: [Baomain Store on Amazon](#).