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AKIHISA 304 Strap5-5

AKIHISA 304 Stainless Steel Adjustable Pipe Support Instruction Manual

Model: 304 Strap5-5
Brand: AKIHISA

1. Introduction

This manual provides detailed instructions for the safe and effective installation, operation, and maintenance of your AKIHISA 304 Stainless Steel Adjustable Pipe Support. Please read this manual thoroughly before use and retain it for future reference. Proper installation and care will ensure optimal performance and longevity of the product.

2. Product Overview

2.1 Components

Each AKIHISA Adjustable Pipe Support package includes the following components:

- Split Pipe Clamp with Silicone Cushion (2 units per pack)
- Adjustable Threaded Rod
- Base Plate
- Mounting Screws
- Wall Anchors
- Nuts and Washers for assembly



Image 2.1: Overview of the AKIHISA Adjustable Pipe Support, showing two assembled units and included mounting hardware.

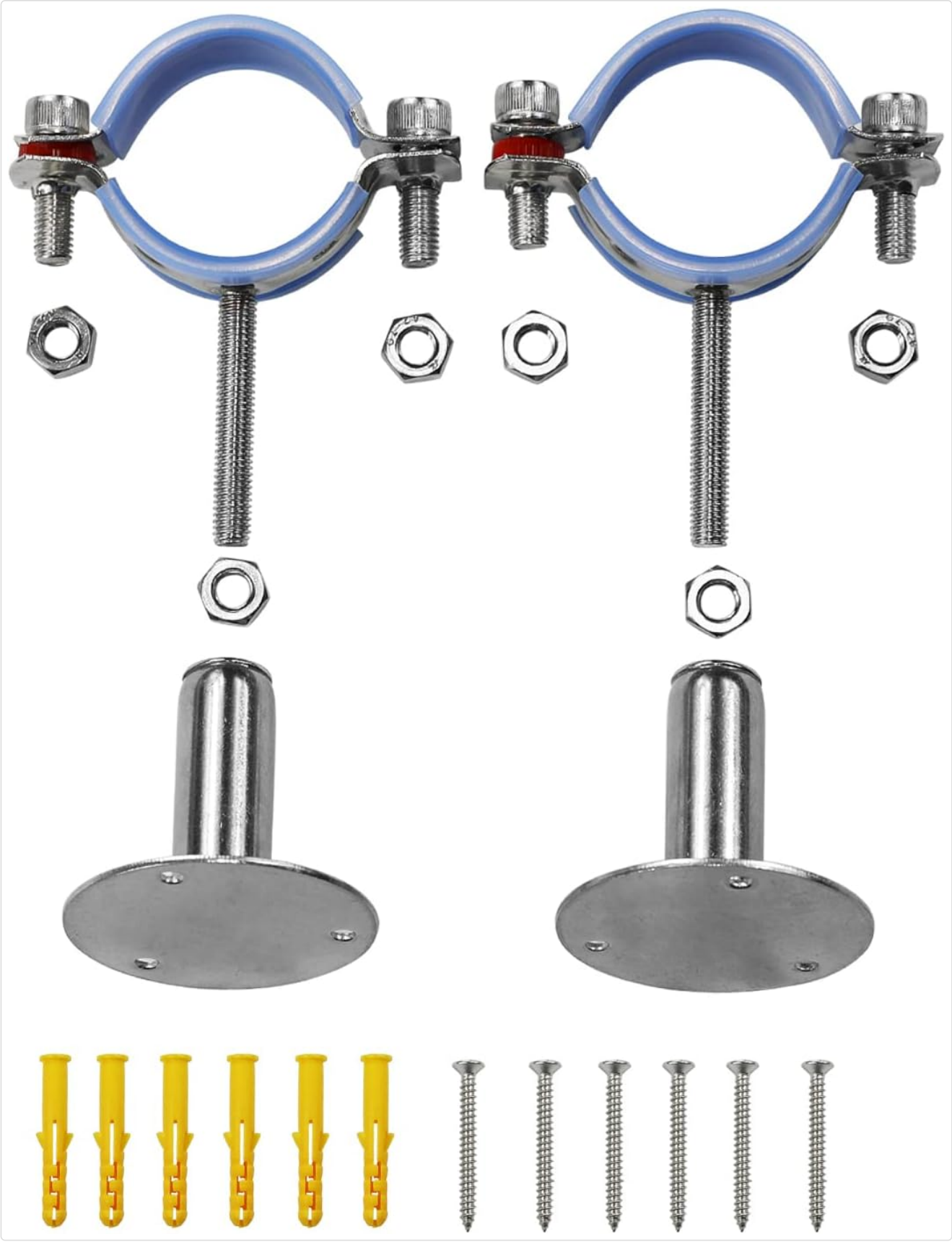


Image 2.2: Exploded view illustrating individual components of the pipe support, including the clamp halves, silicone liner, threaded rod, base, nuts, and screws.

2.2 Key Features

- **Material:** Constructed from full 304 Stainless Steel for high temperature resistance, rust resistance, and durability.
- **Pipe Protection:** Features a silicone cushion inside the split ring clamp to prevent scratches and enhance pipe stability.

- **Adjustable Design:** The threaded rod allows for adjustable installation length to suit various mounting requirements.
- **Versatile Application:** Suitable for pipe support, pipe fixing, pole support, and can be installed on walls or ceilings.



Image 2.3: Close-up view of the pipe clamp, highlighting the 304 stainless steel construction and the protective blue silicone lining.

3. Specifications

Feature	Detail
Model	304 Strap5-5
Material	304 Stainless Steel
Color	Silver (with blue silicone cushion)
Pipe Outer Diameter (OD) Range	1.77 - 1.89 inches (45 - 48 mm)

Feature	Detail
Clamp Thickness	0.047 inches (1.2 mm)
Clamp Width	0.098 inches (2.5 mm)
Bracket Length (Adjustable)	50 mm (approx. 2 inches)
Screw Length	50 mm (approx. 2 inches)
Tensile Strength	30000 PSI
Item Weight	Approximately 3.2 ounces (0.2 pounds) per unit
Package Dimensions	6.7 x 4.5 x 3.1 inches



Image 3.1: Dimensional diagram illustrating the adjustable height feature and key measurements of the pipe support.

4. Safety Information

Please observe the following safety precautions during installation and use:

- Always wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, during installation.
- Ensure the mounting surface (wall or ceiling) is structurally sound and capable of supporting the weight of the pipe and its contents, in addition to the support bracket itself.
- Use appropriate tools for drilling and tightening to prevent injury or damage to the product.
- Do not overtighten screws, as this may strip threads or damage the mounting surface.
- Verify that the pipe support is securely fastened before placing any load on it.
- Keep small parts, such as screws and anchors, out of reach of children.

5. Installation Instructions (Setup)

5.1 Tools Required

- Drill
- Drill bits appropriate for wall anchors and mounting surface
- Measuring tape
- Pencil or marker
- Screwdriver or wrench
- Level

5.2 Installation Steps

1. **Determine Mounting Location:** Identify the desired location for the pipe support on a wall or ceiling. Ensure it is clear of electrical wires, plumbing, or other obstructions.
2. **Mark Drill Holes:** Place the base plate against the mounting surface and use a pencil to mark the positions for the drill holes. Use a level to ensure proper alignment.
3. **Drill Holes:** Using an appropriate drill bit, drill holes at the marked locations. The size of the drill bit should match the provided wall anchors.
4. **Insert Anchors:** Insert the wall anchors into the drilled holes until they are flush with the surface.
5. **Attach Base Plate:** Align the base plate with the anchors and secure it using the provided mounting screws. Tighten firmly but do not overtighten.
6. **Assemble Clamp:** If not already assembled, attach the threaded rod to the base plate and then loosely assemble the two halves of the pipe clamp around the pipe, ensuring the silicone cushion is properly seated.
7. **Adjust Height:** Adjust the height of the pipe clamp by rotating the threaded rod until the desired position is achieved.
8. **Secure Pipe:** Once the pipe is in position, tighten the nuts on the pipe clamp to securely hold the pipe. Ensure the pipe is level and stable.



Image 5.1: An example of multiple pipe supports installed in an industrial environment, demonstrating their application for securing various pipes.

6. Operation (Usage)

The AKIHISA Adjustable Pipe Support is designed for static pipe support. Once installed, its primary function is to hold pipes securely in place. The adjustable threaded rod allows for fine-tuning the distance between the mounting surface and the pipe. To adjust the height after initial installation, loosen the locking nut on the threaded rod, rotate the rod to raise or lower the clamp, and then re-tighten the locking nut to secure the position. Always ensure all fasteners are tight to prevent movement or slippage of the pipe.

7. Maintenance

Regular maintenance helps ensure the continued reliability and safety of your pipe supports:

- **Periodic Inspection:** Periodically inspect all pipe supports for any signs of wear, corrosion, or damage. Check for loose screws or nuts.
- **Tightness Check:** Ensure all mounting screws and clamp nuts remain tight. Re-tighten if necessary.
- **Cleaning:** Clean the stainless steel surfaces with a damp cloth and mild detergent if needed. Avoid abrasive cleaners that could scratch the finish.
- **Silicone Cushion:** Check the silicone cushion for any tears or degradation. While durable, extreme conditions might affect its integrity over time.

8. Troubleshooting

If you encounter issues with your AKIHISA Pipe Support, consider the following:

- **Pipe is Loose:** Ensure the clamp nuts are sufficiently tightened. Verify that the pipe's outer diameter falls within the specified range (45-48mm) for this model.
- **Support Feels Unstable:** Check that the base plate mounting screws are securely fastened to the wall or ceiling.

Ensure the mounting surface is solid.

- **Difficulty Adjusting Height:** Ensure the locking nut on the threaded rod is loosened before attempting to adjust the height. Clean any debris from the threads if necessary.
- **Corrosion Appears:** While made of 304 stainless steel, prolonged exposure to harsh chemicals or extreme environments without proper maintenance can lead to surface discoloration. Clean as per maintenance instructions.

9. Warranty and Support

For any questions, concerns, or support regarding your AKIHISA Pipe Support, please contact the manufacturer or your point of purchase. Please have your model number (304 Strap5-5) and purchase information ready when contacting support.

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