

Breeze TB-300

Breeze TB300 Standard T-Bolt Clamp Instruction Manual

Model: TB-300

INTRODUCTION

This instruction manual provides essential information for the proper installation, usage, and maintenance of your Breeze TB300 Standard T-Bolt Clamps. Please read this manual thoroughly before installation to ensure safe and effective operation.

PRODUCT OVERVIEW

The Breeze TB300 Standard T-Bolt Clamp is designed for high-strength clamping applications, particularly for securing hoses or pipes. It features a robust construction suitable for demanding environments.



Figure 1: A stainless steel T-Bolt clamp, showing the band, bolt, and nut mechanism. This clamp is designed for securing hoses or pipes in various applications.

Key Features:

- **3/4" (19 mm) wide, 100% Stainless Steel Band:** Ensures durability and corrosion resistance.
- **High Strength, One-Piece Stainless Steel Trunion:** Provides robust connection and secure fastening.
- **Superior welded construction:** Enhances overall strength and reliability.
- **Meets or exceeds SAE Spec. J1508 for T-Bolt clamps:** Guarantees adherence to industry standards for performance.

INSTALLATION AND SETUP

Proper installation is crucial for the performance and longevity of the T-Bolt clamp. Follow these steps for secure attachment:

1. **Prepare the Connection:** Ensure the hose or pipe ends are clean and free from debris.

2. **Position the Clamp:** Slide the T-Bolt clamp over the hose or pipe, positioning it correctly over the connection point.
3. **Align the Bolt:** Align the T-bolt with the trunnion and thread the nut onto the bolt.
4. **Tighten the Nut:** Using an appropriate wrench, gradually tighten the nut. Apply even pressure to ensure uniform clamping force around the circumference of the hose.
5. **Check for Secure Fit:** Continue tightening until the hose is firmly secured and there is no leakage (if applicable). Avoid over-tightening, which can damage the hose or the clamp.
6. **Verify Torque (Recommended):** If a specific torque specification is available for your application, use a torque wrench to achieve the recommended torque value.

USAGE AND OPERATION

Once installed, the T-Bolt clamp provides a secure and reliable connection. Its operation is passive, maintaining the integrity of the connection under various pressures and vibrations. Regular inspection is recommended to ensure continued performance.

MAINTENANCE

To maximize the lifespan and effectiveness of your Breeze TB300 T-Bolt Clamps, consider the following maintenance practices:

- **Regular Inspection:** Periodically inspect the clamps for any signs of wear, corrosion, or damage. Check for loose nuts or bolts.
- **Cleaning:** If operating in dirty or corrosive environments, clean the clamps as needed to prevent buildup that could affect performance.
- **Re-tightening:** Over time, vibrations or material settling may cause the clamp to loosen slightly. Re-tighten the nut if necessary to maintain optimal clamping force.
- **Replacement:** If a clamp shows significant signs of damage, deformation, or severe corrosion, replace it immediately to prevent failure.

TROUBLESHOOTING

While T-Bolt clamps are generally reliable, issues can arise. Here are some common problems and their solutions:

| Problem | Possible Cause | Solution |
|-----------------------------|--|--|
| Leakage at connection point | Clamp not tight enough; improper hose seating; damaged hose/fitting. | Tighten the clamp further (do not over-tighten); re-seat the hose; inspect and replace damaged components. |
| Clamp appears loose | Vibration; material compression; insufficient initial tightening. | Re-tighten the nut; consider using a locking washer if vibrations are severe. |
| Clamp corrosion/damage | Exposure to harsh chemicals; physical impact; end of service life. | Replace the clamp. Ensure proper material selection for the environment. |

SPECIFICATIONS

The following are the key specifications for the Breeze TB300 Standard T-Bolt Clamp:

- **Model Number:** TB-300
- **Effective Diameter Range:** 3" - 3.31" (76.2mm - 84.1mm)

- **Band Width:** 3/4" (19 mm)
- **Material:** 100% Stainless Steel Band, High Strength One-Piece Stainless Steel Trunnion, Plated Carbon Steel Bolt.
- **Compliance:** Meets or exceeds SAE Spec. J1508 for T-Bolt clamps.
- **Item Weight:** 2 Pounds (for the pack of 10)
- **Manufacturer:** Breeze Ind. Products

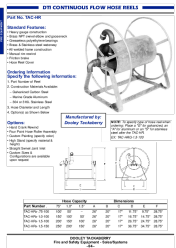
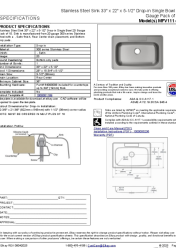


WARRANTY AND SUPPORT

Specific warranty details for the Breeze TB300 Standard T-Bolt Clamps are not provided in this manual. For warranty information or technical support, please contact Breeze Industrial Products directly or refer to their official website.



© 2023 Breeze Industrial Products. All rights reserved.

Related Documents - TB-300

| | |
|---|--|
|  | <p>Dooley Tackaberry Hose Reels and Fire Safety Equipment Catalog</p> <p>Comprehensive catalog showcasing Dooley Tackaberry's range of hose reels, hose, cabinets, and related fire safety equipment. Features detailed specifications, part numbers, and ordering information for various models.</p> |
|  | <p>Elkay MFV111-10 Stainless Steel Sink Specifications</p> <p>Detailed specifications for the Elkay MFV111-10 33-inch stainless steel drop-in single bowl sink, including dimensions, material, finish, and product compliance information.</p> |
|  | <p>Hose Reel Cart Assembly Instructions</p> <p>Step-by-step assembly instructions for the Hose Reel Cart, detailing the installation of wheels, frame components, and hose reel.</p> |
|  | <p>Eaton Crouse-Hinds Stainless Steel Enclosures: Ex-Cell, N-TB, S-TB Series</p> <p>Explore Eaton Crouse-Hinds' high-performance stainless steel enclosures, including Ex-Cell, N-TB, and S-TB series. Ideal for demanding industrial and hazardous environments, offering superior corrosion resistance and durability.</p> |



[RBI Torus Boiler & Water Heater Installation and Operation Manual](#)

Comprehensive installation and operation manual for the RBI Torus Series Stainless Steel Water Tube Gas Boilers (WB) and Water Heaters (WW), models 300 through 1000. Covers installation, safety, venting, piping, and maintenance.



[3/8" Air Hose Reel with 300 PSI Max Pressure - Product Information](#)

Information about a 3/8 inch (10mm) inner diameter air hose reel, capable of handling up to 300 PSI (20 BAR). Includes caution notes regarding the spring motor cover. Product manufactured in March 2022.