

## TCE AT43002AU

# TCE 3 Ton (6,000 LBs) Capacity Double Locking Steel Jack Stands User Manual

Model: AT43002AU | Brand: TCE

## 1. IMPORTANT SAFETY INFORMATION

**WARNING:** Read and understand all instructions and safety precautions before using this product. Failure to follow these warnings may result in serious personal injury, property damage, or death.

Always use jack stands on a hard, level surface. Ensure the vehicle is properly supported and stable before working underneath it. Never exceed the rated capacity of the jack stands.

**Proposition 65 Warning:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## 2. PRODUCT OVERVIEW

The TCE AT43002AU steel double locking jack stands are designed to safely support vehicles after they have been lifted by a jack. They are suitable for a wide range of vehicles, including small cars, ATVs, and UTVs, with a robust 3-ton (6,000 lb) load capacity. Each stand features a welded frame for durability and a removable locking support pin for enhanced safety.

Key features include:

- **Double Locking Mechanism:** Provides enhanced security for supported vehicles.
- **High-Grade Steel Construction:** Ensures quality and long-term durability.
- **Wide Pyramid Style Foot Base:** Delivers added strength and stability.
- **Multi-Position Forged Iron Ratchet Bar:** Allows for quick and secure height adjustments.
- **Large Saddle Surface Area:** Provides better contact with the load.
- **ASME Safety Standards:** Meets industry safety requirements.



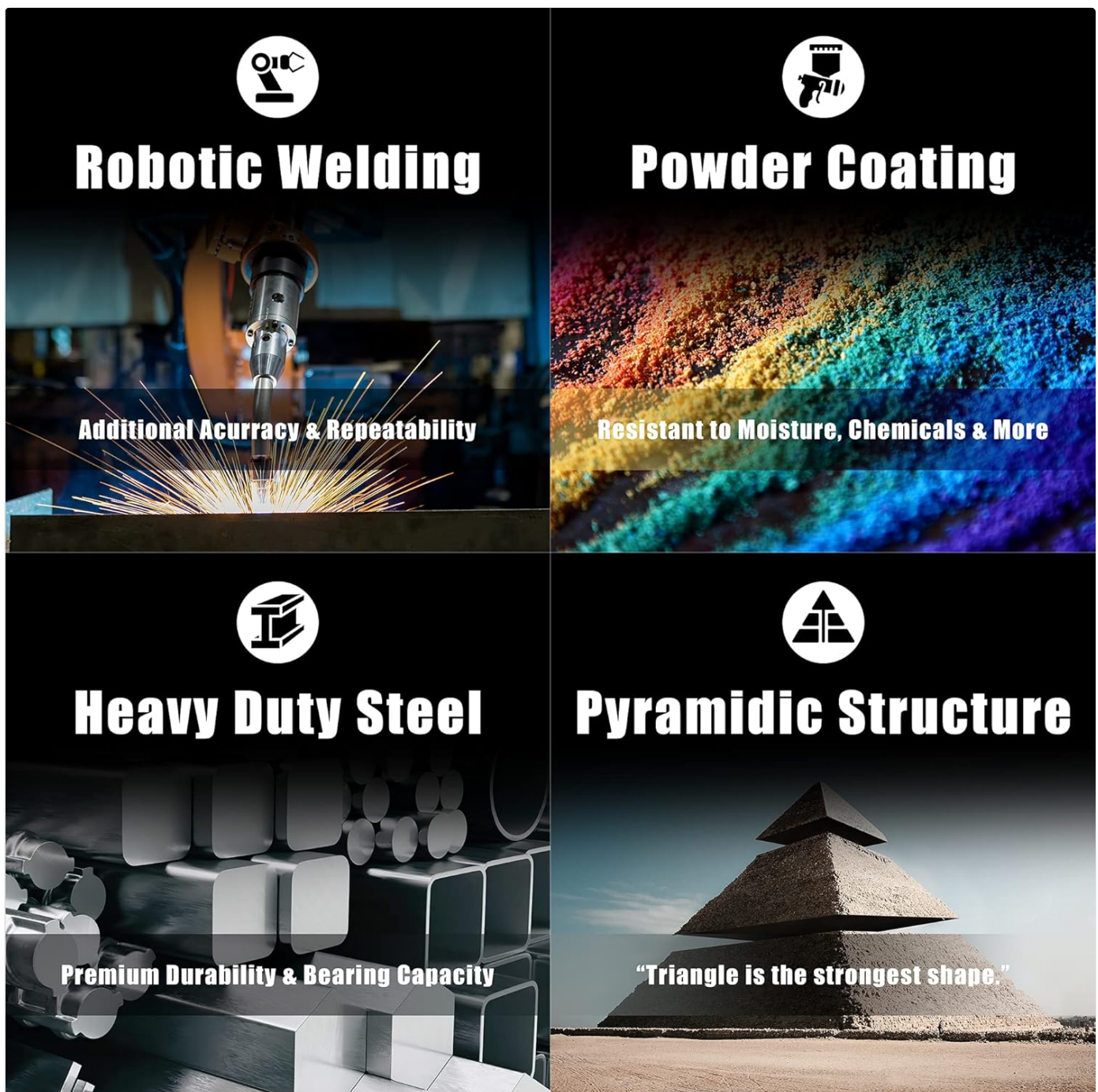


Figure 2.2: Manufacturing and Design Principles

This image highlights the quality aspects of the jack stands' construction. It shows four key elements: Robotic Welding for accuracy, Powder Coating for resistance to elements, the use of Heavy Duty Steel for durability, and the Pyramidal Structure design for inherent strength.

### 3. SETUP AND ASSEMBLY

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The TCE AT43002AU jack stands come pre-assembled and ready for use. Before first use, and periodically thereafter, inspect each stand for any signs of damage, wear, or deformation. Ensure all components are securely in place and functioning correctly.

1. **Unpack:** Carefully remove the jack stands from their packaging.
2. **Inspect:** Check for any shipping damage. Verify that the ratchet bar moves freely and the locking pin is present and functional.
3. **Familiarize:** Understand the operation of the ratchet bar and the double locking pin before placing any load on the stands.

## 4. OPERATING INSTRUCTIONS

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Follow these steps for safe and effective use of your TCE jack stands:

1. **Prepare the Vehicle:** Park the vehicle on a hard, level surface. Engage the parking brake and block the wheels that will remain on the ground.
2. **Lift the Vehicle:** Use a suitable vehicle jack to lift the vehicle to the desired height. Refer to your vehicle's owner's manual for proper jacking points.
3. **Position Jack Stands:** Place the jack stands directly under the vehicle's designated support points (e.g., frame rails, axle housing). Ensure the stands are centered and stable.
4. **Adjust Height:** Raise the ratchet bar to the desired height. The sawtooth design allows for quick adjustments. Ensure both jack stands are set to the same height.
5. **Engage Double Lock:** Insert the removable locking support pin through the appropriate hole in the main column and the ratchet bar. This provides an additional layer of security.
6. **Lower Vehicle onto Stands:** Slowly and carefully lower the vehicle onto the jack stands. Ensure the vehicle's weight is fully supported by the stands before removing the jack.
7. **Verify Stability:** Gently rock the vehicle to confirm it is stable and securely resting on both jack stands.
8. **Removal:** To remove the vehicle, reverse the process. Lift the vehicle slightly with the jack, remove the locking pins, lower the ratchet bars, and then remove the jack stands. Finally, lower the vehicle completely to the ground.



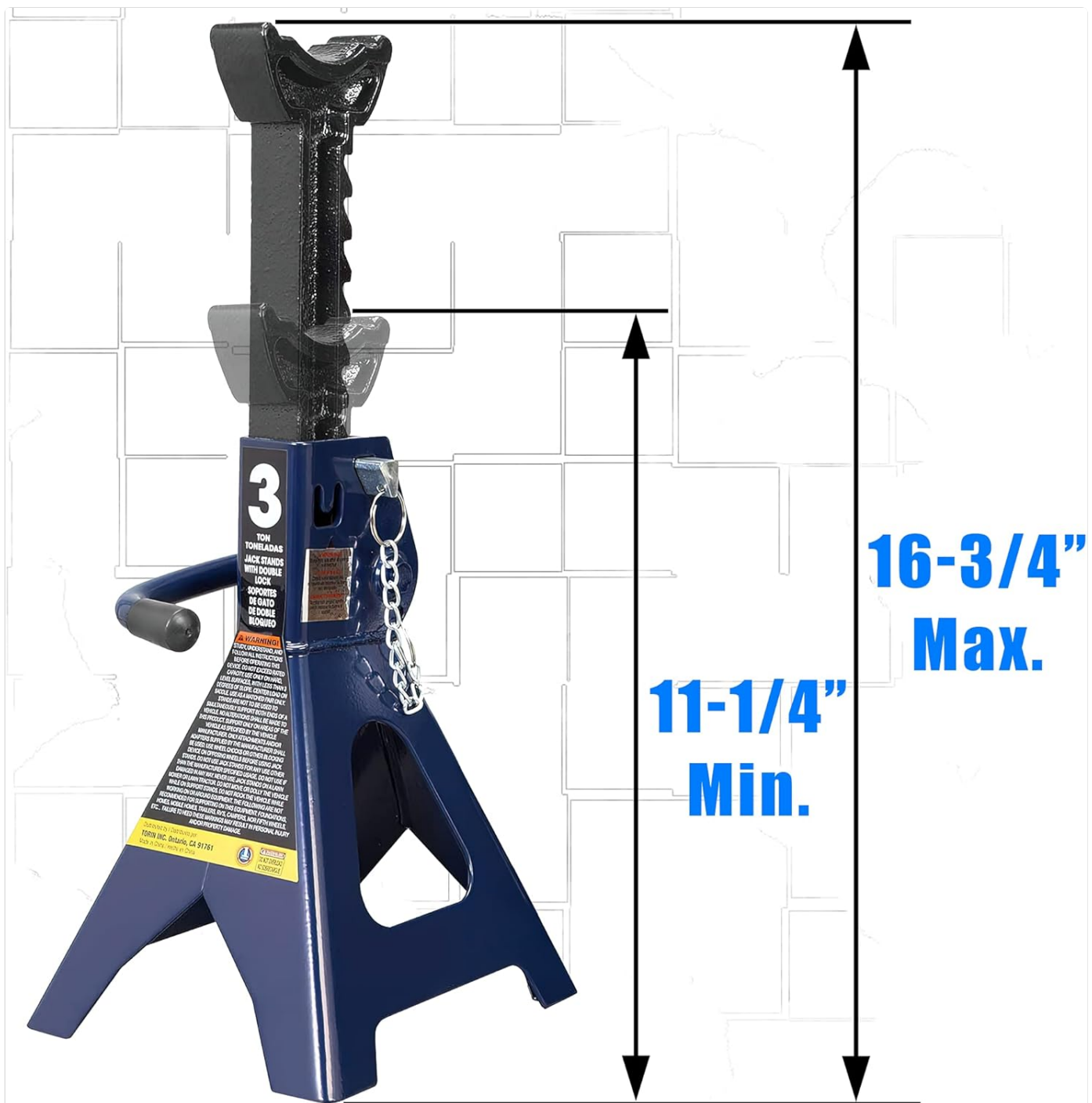


Figure 4.1: Lifting Range

This image illustrates the adjustable lifting range of the jack stand, indicating a minimum height of 11-1/4 inches and a maximum height of 16-3/4 inches.



Figure 4.2: Ratchet Bar Detail

This image provides a detailed view of the jack stand's ratchet bar, highlighting its "ROCK SOLID" construction from ductile iron, 10-level adjustment capability, and reinforced non-slip ratchet teeth for secure height locking.

# Double Locking

# Double Secure



Figure 4.3: Double Locking Mechanism

This image focuses on the double locking feature of the jack stand, showing the primary ratchet mechanism and the secondary removable locking support pin, emphasizing "Double Locking, Double Secure" for enhanced safety.

# NO FEAR OF HEAVY VEHICLES

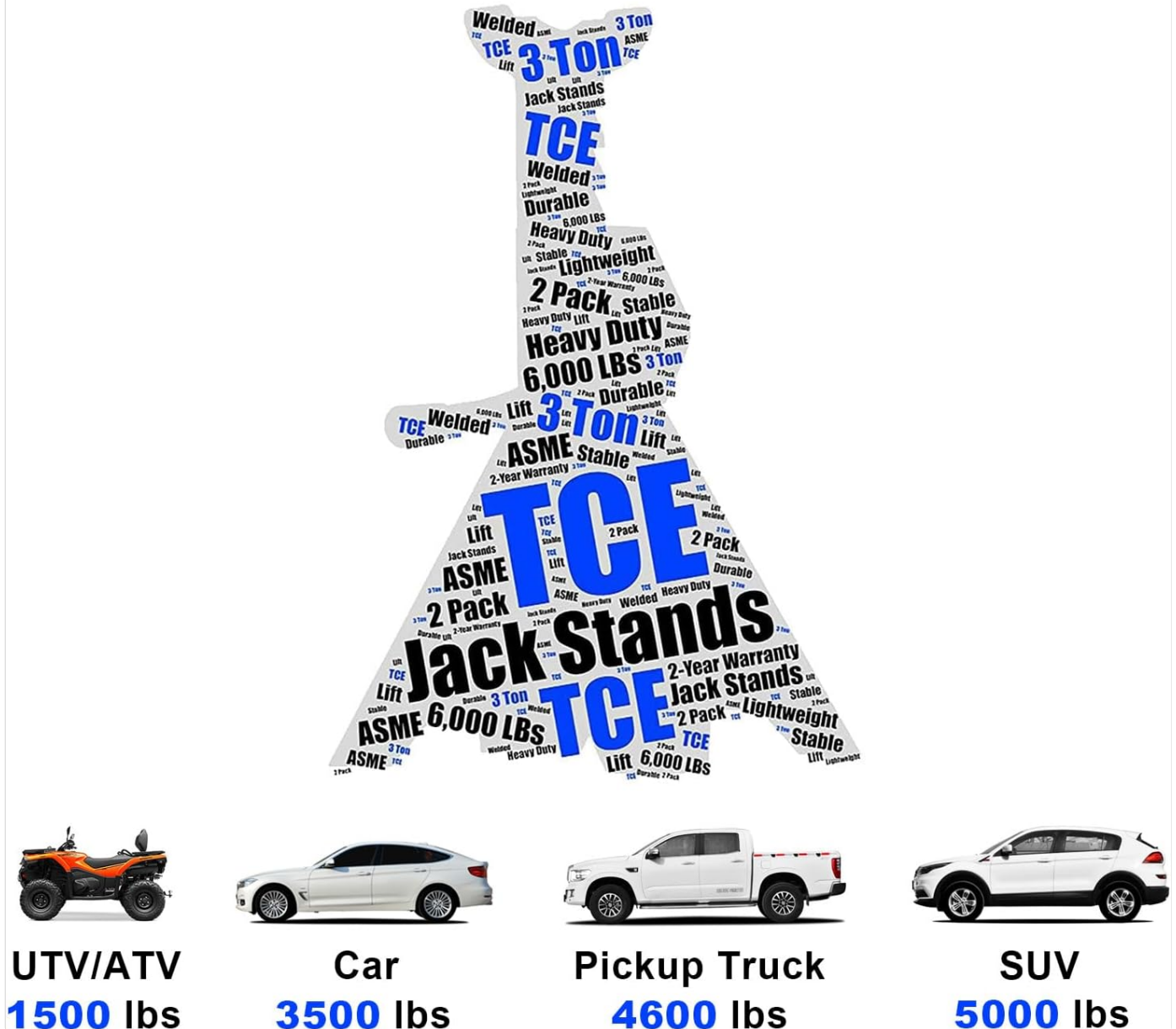


Figure 4.4: Vehicle Compatibility

This diagram illustrates the types of vehicles the jack stands are suitable for, including UTV/ATV (1500 lbs), Car (3500 lbs), Pickup Truck (4600 lbs), and SUV (5000 lbs), reinforcing the "NO FEAR OF HEAVY VEHICLES" message within the 3-ton capacity.

## 5. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your jack stands:

- **Regular Inspection:** Before each use, inspect the jack stands for cracks, bends, corrosion, or any other damage. Pay close attention to welds, the ratchet bar, and the locking pin. Do not use damaged jack stands.
- **Cleaning:** Keep the jack stands clean and free of dirt, grease, and debris. Wipe down with a clean cloth after use.
- **Lubrication:** Periodically apply a light coat of general-purpose grease or oil to the moving parts of the ratchet mechanism to ensure smooth operation.
- **Storage:** Store jack stands in a dry, clean area, away from moisture and corrosive materials. Store them in a retracted position to minimize exposure of the inner components.



## 6. TROUBLESHOOTING

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If you encounter issues with your jack stands, consider the following:

- **Stands Not Holding Height:**
  - Ensure the ratchet bar is fully engaged in a tooth.
  - Verify the locking support pin is correctly inserted.
  - Check for damage to the ratchet teeth or the locking pin. If damaged, discontinue use.
- **Difficulty Adjusting Height:**
  - Clean any dirt or debris from the ratchet mechanism.
  - Apply a light lubricant to the moving parts.
  - Ensure no load is on the stand when attempting to adjust height.
- **Stands Wobble or Are Unstable:**
  - Ensure the ground surface is hard, flat, and level.
  - Verify the vehicle's weight is evenly distributed on both stands.
  - Check for any bent or damaged legs or base. If damaged, discontinue use.

For issues not covered here, please contact TCE customer support.

## 7. SPECIFICATIONS

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Feature	Detail
Model Number	AT43002AU
Load Capacity	3 Ton (6,000 lbs)
Minimum Lifting Height	11-1/4 inches
Maximum Lifting Height	16-3/4 inches
Product Dimensions (L x W x H)	7.83 x 8.58 x 13.2 inches
Foot Base Dimensions	7-11/16" x 6-7/8"
Item Weight	14.4 pounds (per pair)
Material	Heavy-Duty Steel, Forged Iron Ratchet Bar
Color	Blue
Safety Standards	Meets ASME safety standards

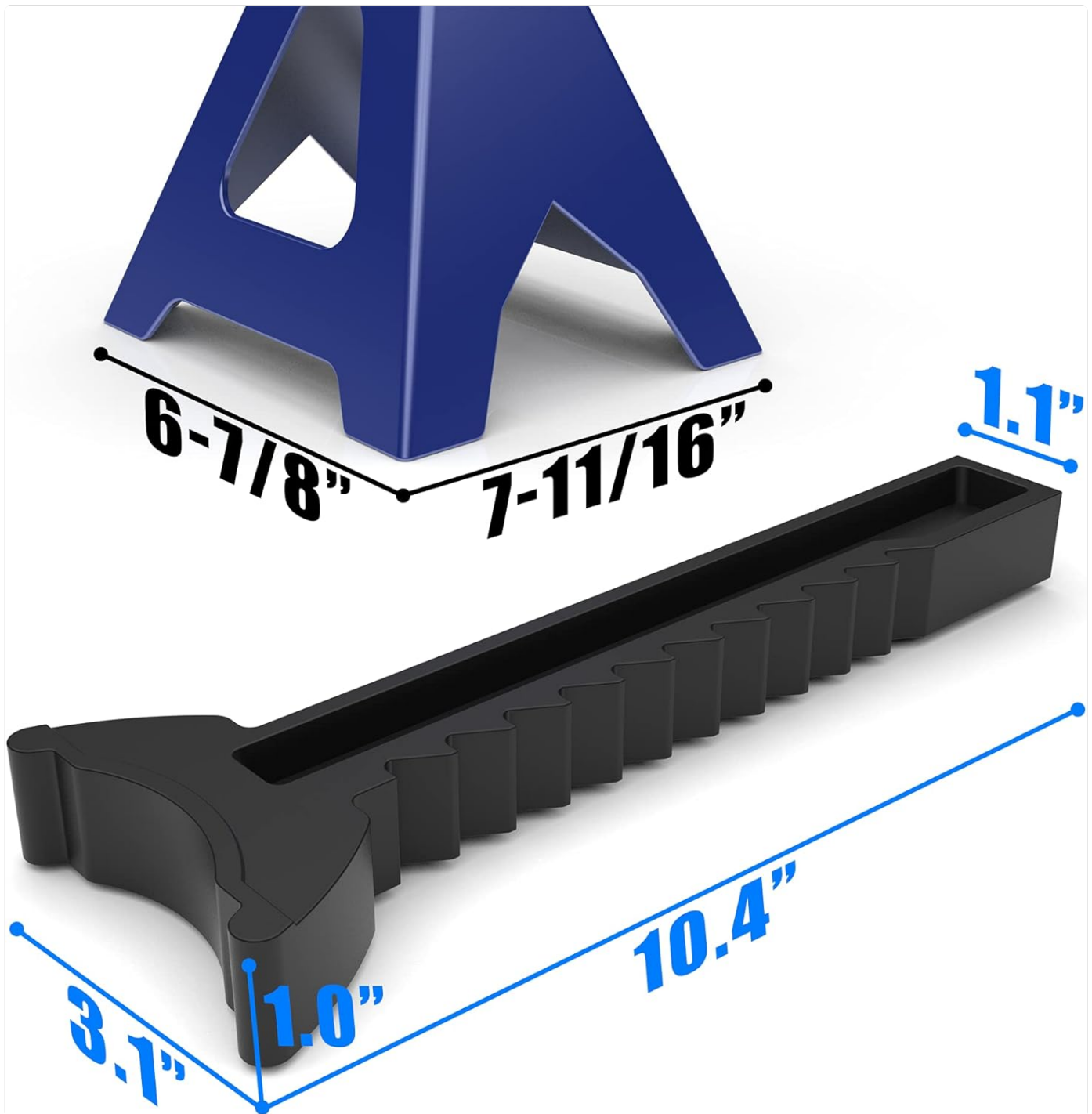


Figure 7.1: Base and Ratchet Bar Dimensions




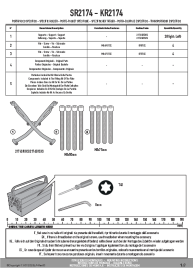
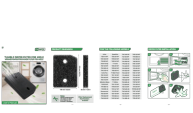

This image provides specific dimensions for the jack stand's base (6-7/8" and 7-11/16") and the ratchet bar (10.4" length, 3.1" width, 1.0" height, 1.1" top width), offering precise measurements for key components.

## 8. WARRANTY AND SUPPORT

This TCE product includes a **limited 2-year manufacturer warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions regarding your TCE jack stands, please contact TCE customer service. You can also visit the official TCE store on Amazon for more information and products: [TCE Amazon Store](#).

Related Documents - AT43002AU

	<p><a href="#">TCE Professional Series High Reach Jack Stand TCE40753 User Manual</a></p> <p>User manual and safety guide for the TCE Professional Series High Reach Jack Stand (Model TCE40753). Includes operating instructions, maintenance, warranty information, and parts list.</p>
	<p><a href="#">TCE Professional Series High Reach Jack Stand TCE40753 User Manual</a></p> <p>User manual and safety guide for the TCE Professional Series High Reach Jack Stand (Model TCE40753). Includes operating instructions, maintenance, warranty information, and parts list.</p>
	<p><a href="#">Manual para Troca de Senhas TCE/SC: Guia Completo e Passo a Passo</a></p> <p>Guia detalhado para usuários do Tribunal de Contas do Estado de Santa Catarina (TCE/SC) sobre como trocar senhas de rede, Office 365, SIAP e SIPROC. Instruções claras e seguras.</p>
	<p><a href="#">SR2174 - KR2174 Specific Holder Mounting Instructions</a></p> <p>Detailed mounting instructions for the GIVI SR2174 and KR2174 specific motorcycle luggage holder, including parts list and assembly diagrams.</p>
	<p><a href="#">Miele Tumble Dryer Filter - Installation and Maintenance Guide</a></p> <p>This guide provides instructions for installing and maintaining the IN WEE tumble dryer filter for Miele heat pump dryers. It includes product dimensions, a list of compatible Miele models, step-by-step installation procedures, cleaning recommendations, and important precautions.</p>
	<p><a href="#">Datalogger Manual: Comprehensive Guide to Lufft Datalogger Series</a></p> <p>This manual provides detailed information on the Lufft Datalogger series, including models like TSE, THI, TCE, TPR, THC, and TIC. Learn about their features, operation, sensor connections, and calibration for accurate environmental monitoring.</p>

