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APEX LEGENDS RB-1001-49

Apex Side Rail Mounted Aluminum Roof Cross Bars

Model: RB-1001-49 | Brand: APEX LEGENDS

1. Introduction

Designed for vehicles with existing side rails no more than 50” apart, these universal fit Apex Aluminum Roof Crossbars clamp onto your rails and tighten in place using large easy-turn knobs. They feature a 150 lb. weight capacity, perfect for carrying extra luggage and other equipment on your next adventure. The clamps also have a ribbed rubber insert for increased traction and stability during travel. Lightweight and rust-proof, these crossbars are a perfect accessory for your next road trip- perfect for use with cargo boxes, cargo bags and roof top carriers. The cross bars are designed for temporary use only, remove when not in use or during the bad weather.

2. Package Contents

Upon opening the package, you should find the following items:

- 2 x Apex Aluminum Roof Cross Bars
- 2 x Keys for locking mechanism
- Instruction Manual (this document)

Please inspect all components for any damage before proceeding with installation.

3. Setup and Installation

Follow these steps to properly install your Apex Side Rail Mounted Aluminum Roof Cross Bars:

3.1. Initial Inspection and Unboxing

Carefully remove the crossbars from their packaging. The bars are typically zip-tied together for shipping. Ensure all components are present and undamaged.



Figure 1: Apex Aluminum Roof Cross Bars installed on a vehicle.

3.2. Understanding the Adjustment Mechanism

Each crossbar features a large easy-turn knob on its clamp. To open the clamp, twist the knob counter-clockwise. This will spread the clamp part out, allowing it to fit over your vehicle's side rails. To tighten, twist clockwise.



Figure 2: Detail of the easy-turn adjustment knob and clamp.

3.3. Placing Crossbars on Side Rails

Carefully place the crossbars onto your vehicle's existing side rails. Ensure the clamps are open wide enough to clear the rails. Position them to your desired location, ensuring they are evenly spaced and parallel to each other. The maximum side rail span supported is 50 inches.

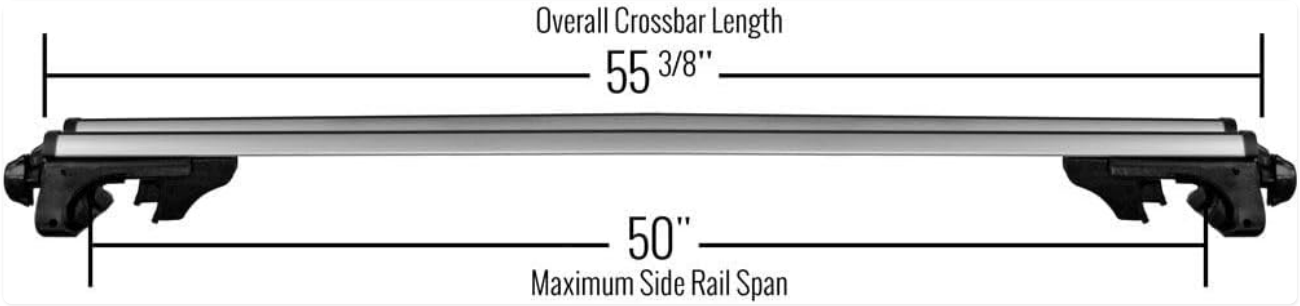

Figure 3: Crossbar dimensions, including overall length and maximum side rail span.

3.4. Tightening the Crossbars

Once positioned, begin twisting the adjustment knobs clockwise to tighten the clamps onto the side rails. Ensure the ribbed rubber inserts on the clamps provide increased traction and stability. Tighten until the crossbars are secure and do not move.



Figure 4: Crossbars securely mounted on vehicle side rails (front view).



Figure 5: Crossbars securely mounted on vehicle side rails (rear view).

3.5. Locking the Crossbars

To prevent theft, the adjustment knobs feature a key locking mechanism. Insert the provided key and turn it to the 'locked' position. When locked, the knob will spin freely without tightening or loosening the clamp, ensuring the crossbars remain securely attached to your vehicle.

Important Note: The side rails on your vehicle must be between 1 inch and 1.75 inches wide, and not taller than 1.5 inches, to ensure proper fit and security. A 2-inch clearance is also required for the clamping mechanism.



Figure 6: Side rail compatibility dimensions.

4. Specifications

- **Brand:** APEX LEGENDS
- **Model:** RB-1001-49
- **Color:** Metallic
- **Material:** High-strength, lightweight aluminum
- **Item Dimensions (L x W x H):** 53.38 x 1 x 1.5 inches
- **Crossbar Width:** 2 1/8 inches
- **Crossbar Thickness:** 7/8 inches
- **Ribbed Rubber Insert Width:** 5/8 inches
- **Load Capacity:** 150 Pounds
- **Mounting Type:** Clamp Mount, Railing Mount, Crossbar Mount
- **Universal Fit:** Yes, for side rails up to 50 inches apart
- **Item Weight:** 11.45 pounds
- **Special Features:** Lightweight, Locking Mechanism



Figure 7: Crossbar dimensions and features.

5. Maintenance

To ensure the longevity and optimal performance of your crossbars, regular maintenance is recommended:

- **Cleaning:** Clean the crossbars periodically with mild soap and water. Avoid abrasive cleaners that could damage the aluminum finish.
- **Check Tightness:** Before each use, especially after long trips or in varying weather conditions, check that all adjustment knobs are securely tightened.
- **Storage:** When not in use for extended periods, it is recommended to remove the crossbars and store them in a dry, protected area to prevent wear and tear.

6. Troubleshooting

If you encounter any issues with your crossbars, consider the following:

- **Crossbars not fitting:** Ensure your vehicle's side rails meet the specified dimensions (1-1.75 inches wide, not taller than 1.5 inches, with 2-inch clearance).
- **Knob spins but doesn't tighten:** Check if the locking mechanism is engaged. If the knob spins freely, it is likely in the locked (anti-theft) position. Unlock it with the key to allow tightening.
- **Crossbars feel loose after tightening:** Re-check the tightness of all knobs. Ensure the ribbed rubber inserts are properly seated on the side rails for maximum grip.

7. Warranty and Support

For warranty information or technical support, please refer to the manufacturer's official website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.

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