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ROCKBROS Bike Roof Rack

ROCKBROS Suction Cup Bike Rack User Manual

Model: Bike Roof Rack

INTRODUCTION

The ROCKBROS Suction Cup Bike Rack is designed for secure and convenient transportation of bicycles on various vehicle types. Constructed from durable aluminum alloy, it utilizes a powerful vacuum suction system to ensure stability. This manual provides comprehensive instructions for setup, operation, maintenance, and important safety considerations.

Key features include:

- Universal compatibility with sedans, coupes, hatchbacks, SUVs, and vans.
- Sturdy aluminum alloy body for reliable bike support.
- Rubber suckers designed to protect vehicle paint.
- Quick-release clamp for easy front fork installation.
- Includes a Velcro strap for securing the crank to prevent vehicle scratches.
- Adaptable for mountain bikes, road bikes, and trail bikes with quick-release front wheels.



Figure 1: Main components of the ROCKBROS Suction Cup Bike Rack.

WHAT'S IN THE BOX

The ROCKBROS Suction Cup Bike Rack package typically includes the following components:

- Bike rack main unit (with integrated suction cups for front fork).
- Rear wheel suction cup(s) with strap(s) (quantity varies by model: 1, 2, or 3).
- Velcro strap(s) for crank fixation.
- Various barrel shaft adapters (e.g., 9mm, 12mm, 15mm, 20mm) for different fork types.
- Protective covers for suction cups.
- Microfiber cleaning cloth.












Size	Item	Rear Wheel Sucker	Accessories (for fixing the crank)
1 <u>Bike</u>		 ×1	 ×1
2 <u>Bike</u>		 ×2	 ×2
3 <u>Bike</u>		 ×3	 ×3

Figure 2: Included components and general dimensions.

SETUP & INSTALLATION

Follow these steps to properly install your ROCKBROS Suction Cup Bike Rack:

1. Prepare the Vehicle Surface and Suction Cups

Ensure the car roof and all suction cups are clean and free of dust, dirt, or debris. Use a wet towel or the provided microfiber cloth for cleaning. A clean surface is crucial for optimal suction.

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Video 1: Demonstrates cleaning the car roof and preparing suction cups (0:09 - 0:14).



Figure 3: Suction vacuum press mechanism. Ensure no white line is visible for secure attachment.

2. Mount the Main Rack Unit

Choose a flat, stable location on your car's roof for the main rack unit. Avoid installing the front rack on glass surfaces. Gently press the suction cups onto the surface. Push the pump rod on each suction cup until the white indicator line is no longer visible, indicating a secure vacuum seal. Ensure there is no obvious sign of rebound from the pump rod.

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Video 2: Shows placement and securing of the main rack unit (0:15 - 0:21).



The location of the installation should be flat (like car roof), do not install front rack on the glass.

Figure 4: The installation location should be flat (like the car roof); do not install the front rack on the glass.

3. Prepare the Bicycle

Remove the front wheel of your bicycle. Use the provided Velcro strap to fix the crank to prevent it from rotating and potentially scratching your vehicle during transport.

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Video 3: Demonstrates removing the front wheel and securing the crank (0:25 - 0:34).

4. Attach Bicycle to Main Rack Unit

Lift the bicycle and align its front fork with the quick-release clamp on the main rack unit. Ensure the bike head is placed forward. Tighten the quick-release lever to firmly secure the fork. Select the suitable barrel shaft adapter based on your vehicle type and bike fork dimensions.

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Video 4: Shows attaching the bike to the main rack and tightening the quick release (0:45 - 0:53).

5. Install Rear Wheel Suction Cup

Position the rear wheel suction cup directly in line with the bike's rear wheel. Press the suction cup firmly onto the car surface until the white indicator line is no longer visible. Use the provided strap to secure the rear wheel to the suction cup, ensuring it is tightly bound.

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Video 5: Demonstrates installing the rear wheel suction cup and securing the wheel (0:54 - 1:02).



Figure 5: Example of a bike securely mounted on a car roof using the suction cup rack.

OPERATING INSTRUCTIONS

Once installed, the ROCKBROS Suction Cup Bike Rack provides a secure way to transport your bicycle. However, adherence to the following operating guidelines is essential for safety:

- **Pre-Drive Check:** Before each trip, thoroughly check all suction cups to ensure they are securely attached and no white indicator lines are visible. Verify that the bike's front fork and rear wheel are firmly secured.
- **Speed Limit:** The speed of the car should not exceed 120 km/h (approximately 75 mph) when the bike rack is in use.
- **Cornering and Bumpy Roads:** Slow down significantly when cornering or driving on bumpy roads to minimize stress on the rack and bike.
- **Regular Checks During Long Trips:** For extended journeys, check the suction cup condition every four hours or at each stop to ensure there are no signs of looseness.
- **Proper Bike Orientation:** Always place the bike with the head facing forward. Do not place it sideways or in the opposite direction.

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MAINTENANCE

Proper maintenance ensures the longevity and reliability of your ROCKBROS Suction Cup Bike Rack:

- **Cleaning:** After each use, clean the suction cups and the contact surfaces on your vehicle. Use a damp cloth to wipe away any dirt or residue.
- **Storage:** When not in use, cover the suction cups with the provided protective covers to prevent dust and debris accumulation. Store the rack in a clean, dry place.
- **Pump Rod Lubrication:** Periodically lubricate the pump rod of the suction cups. Pull out the cylinder firmly, apply a small amount of maintenance oil (purchased separately) to the rod, and then reinsert it. This helps maintain smooth operation and vacuum integrity.

[Your browser does not support the video tag.](#)

Video 7: Instructions on how to remove the suction cup and maintain the pump mechanism (1:07 - 1:30).

TROUBLESHOOTING

If you encounter issues with your ROCKBROS Suction Cup Bike Rack, consider the following common problems and solutions:

- **Suction Cup Not Sticking / Losing Suction:**
 - Ensure the car surface and suction cups are perfectly clean and dry. Any dust, dirt, or moisture can compromise the seal.
 - Verify that the pump rod is fully depressed and no white indicator line is visible. If it is, pump until it disappears.
 - Check for any damage or deformities on the rubber suction cup itself. A damaged cup may not hold a vacuum.
 - Apply a very small amount of water to the rim of the suction cup before pressing it down to help create a better seal.
 - Ensure the surface is flat and non-porous. Textured or porous surfaces will not allow for a proper vacuum seal.
- **Bike Feels Unstable:**
 - Re-check all suction cups for secure attachment.
 - Ensure the quick-release lever on the front fork mount is fully tightened.
 - Verify that the rear wheel is securely strapped to its suction cup.
 - Confirm that the correct barrel shaft adapter is used for your bike's fork.
- **Scratches on Car Paint:**
 - Always clean the car surface thoroughly before installation.
 - Ensure the rubber suckers are clean and free of abrasive particles.
 - Use the provided Velcro strap to secure the bike's crank and pedals, preventing them from contacting the car's surface.

SPECIFICATIONS

Attribute	Detail
Brand	ROCKBROS
Model	Bike Roof Rack
Item Model Number	XP1003BK
Item Weight	11 pounds
Product Dimensions	37 x 8 x 6 inches
Mounting Type	Power Grip (Suction Cup)
Material	Aluminum Alloy (body)
Compatibility	Mountain bikes, road bikes, trail bikes with quick release front wheel
Max Bikes	Up to 3 (depending on specific model variant)
Country of Origin	China
UPC	783057050166

WARRANTY & SUPPORT

For any usage problems, warranty claims, or technical support, please contact ROCKBROS LLC directly through their official channels or the retailer from whom the product was purchased. Refer to your product packaging or the ROCKBROS website for the most up-to-date contact information.