

NORDRIVE N50421

NORDRIVE N50421 Asura 3-Bike Tow Bar Mounted Bicycle Carrier Instruction Manual

Model: N50421

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your NORDRIVE N50421 Asura 3-Bike Tow Bar Mounted Bicycle Carrier. Please read all instructions carefully before installation and use. Proper installation and adherence to safety guidelines are crucial for preventing accidents and ensuring the longevity of the product.

The NORDRIVE Asura 3 is a foldable bicycle carrier designed for easy storage and transport. It features a robust steel structure with aluminum profiles, quick-release sliding straps, and 360° articulated fastening arms with locks. The tilting system allows access to the vehicle's trunk even with bicycles loaded. It is equipped with a 13-pin electrical plug for lighting functions.



Image 1.1: The NORDRIVE Asura 3-Bike Carrier in its folded configuration, ready for storage or transport.

2. SAFETY INFORMATION

- Always ensure the carrier is securely attached to the tow bar before loading bicycles.
- Do not exceed the maximum weight capacity of 60 kg for the carrier or 30 kg per bicycle.
- Ensure all bicycles are properly secured to the carrier using the provided straps and fastening arms.
- Verify that the 13-pin electrical plug is correctly connected and all lights (brake, turn signals, tail lights) are functional before driving.
- Regularly check all fasteners and straps for tightness, especially during long journeys.
- Be aware of the increased length and width of your vehicle when the carrier and bicycles are installed.
- Adjust driving speed according to road conditions and the additional load. Avoid sudden braking or sharp turns.
- Keep the carrier clean and free from dirt or debris that could affect its operation.
- Do not modify the carrier in any way. Use only original replacement parts if necessary.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all components are present and undamaged:

- NORDRIVE Asura 3-Bike Carrier main unit
- Fastening arms with locks (3 sets)
- Wheel straps (multiple)
- 13-pin electrical plug (integrated)
- Instruction Manual (this document)

If any parts are missing or damaged, please contact your retailer or NORDRIVE customer support.

4. SETUP AND INSTALLATION

4.1 Unfolding the Carrier

1. Place the folded carrier on a flat, stable surface.
2. Release any securing mechanisms that hold the carrier in its folded position.
3. Carefully unfold the main frame and the bicycle support rails until they lock into their operational positions.
4. Ensure all locking pins or levers are fully engaged.



4.2 Attaching to the Tow Bar

1. Position the carrier's coupling mechanism over the vehicle's tow ball.
2. Engage the locking lever or mechanism to secure the carrier firmly to the tow ball. Follow the specific instructions provided with the carrier's coupling system to ensure a tight and secure fit.
3. Check for any movement or play in the carrier once attached. It should be stable and not wobble.

4.3 Electrical Connection

1. Connect the integrated 13-pin electrical plug from the carrier into the vehicle's 13-pin socket.
2. Test all lighting functions: brake lights, turn signals, tail lights, and license plate illumination. Ensure they are all working correctly.

5. OPERATING INSTRUCTIONS

5.1 Loading Bicycles

1. Place the first bicycle onto the carrier, ensuring its frame rests securely in the designated holders.
2. Use the articulated fastening arms to clamp onto the bicycle frame. The 360° rotation allows for flexible positioning. Lock the arms securely.
3. Secure the wheels to the carrier rails using the provided sliding straps. Ensure the straps are tight and the wheels are stable.
4. Repeat for the remaining bicycles, ensuring even weight distribution and that no parts of the bicycles interfere with vehicle lights or license plate.

5.2 Using the Tilting System

The carrier features a tilting system to allow access to the vehicle's trunk without removing the bicycles.

1. Locate the tilting release mechanism (usually a foot pedal or lever).
2. Activate the mechanism, allowing the carrier to tilt downwards and away from the vehicle.
3. Once trunk access is complete, push the carrier back into its upright position until it locks securely.

Sistema di ribaltamento / Tilting system

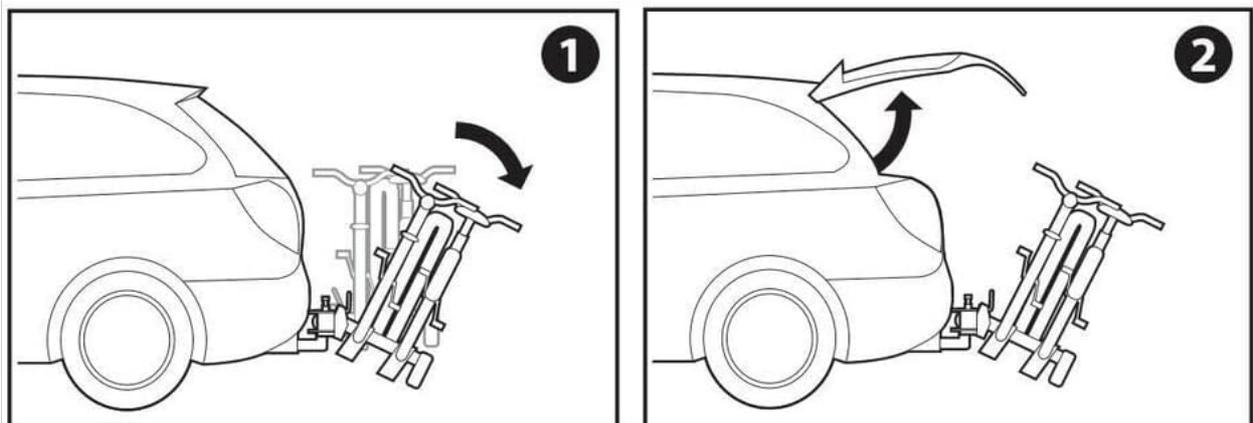


Image 5.1: Illustration of the tilting system, demonstrating how the carrier moves away from the vehicle to allow trunk access.

5.3 Folding for Storage

When not in use, the carrier can be folded for compact storage.

1. Remove all bicycles and disconnect the electrical plug.
2. Release the locking mechanisms that hold the carrier in its unfolded position.
3. Carefully fold the bicycle support rails and main frame into the compact storage position.
4. Secure the carrier in its folded state using any integrated securing straps or pins.

6. MAINTENANCE

- **Cleaning:** Clean the carrier regularly with mild soap and water. Avoid harsh chemicals that could damage the finish or plastic components.
- **Inspection:** Periodically inspect all bolts, nuts, and straps for tightness. Check for any signs of wear, corrosion, or damage. Replace worn or damaged parts immediately.
- **Lubrication:** Apply a small amount of lubricant to moving parts, such as the tilting mechanism and locking levers, to ensure smooth operation.
- **Storage:** Store the carrier in a dry, protected area when not in use to prevent weather damage.

7. TROUBLESHOOTING

- **Carrier wobbles on tow bar:** Ensure the coupling mechanism is fully engaged and tightened according to the specific instructions. Check for any debris on the tow ball.
- **Lights not working:** Verify the 13-pin electrical plug is fully inserted and undamaged. Check vehicle fuses and carrier wiring for any breaks or corrosion.
- **Bicycles feel loose:** Re-tighten all fastening arms and wheel straps. Ensure bicycle frames are properly seated in the holders.
- **Tilting mechanism stiff:** Clean the pivot points and apply a suitable lubricant. Check for any obstructions.

8. SPECIFICATIONS

Model	N50421 Asura 3
Bicycle Capacity	3 Bicycles
Max Total Load	60 kg
Max Load Per Bicycle	30 kg
Frame Material	Steel structure, Aluminum profiles
Electrical Connection	13-pin plug
Tilting Function	Yes
Foldable	Yes

8.1 Bicycle Compatibility



Image 8.1: Weight capacity and compatible bicycle types, including Standard, E-bike, and Fat-bike models.

- **Compatible Bicycle Types:** Standard, E-bike, Fat-bike
- **Minimum Frame Diameter (Round):** Ø30 mm
- **Maximum Frame Diameter (Round):** Ø50 mm
- **Minimum Frame Dimensions (Oval/Rectangular):** 30x60 mm
- **Maximum Frame Dimensions (Oval/Rectangular):** 50x70 mm
- **Minimum Wheel Size:** 22 inches
- **Maximum Wheel Size:** 29 inches
- **Maximum Wheelbase:** 1260 mm
- **Maximum Tire Width:** 110 mm

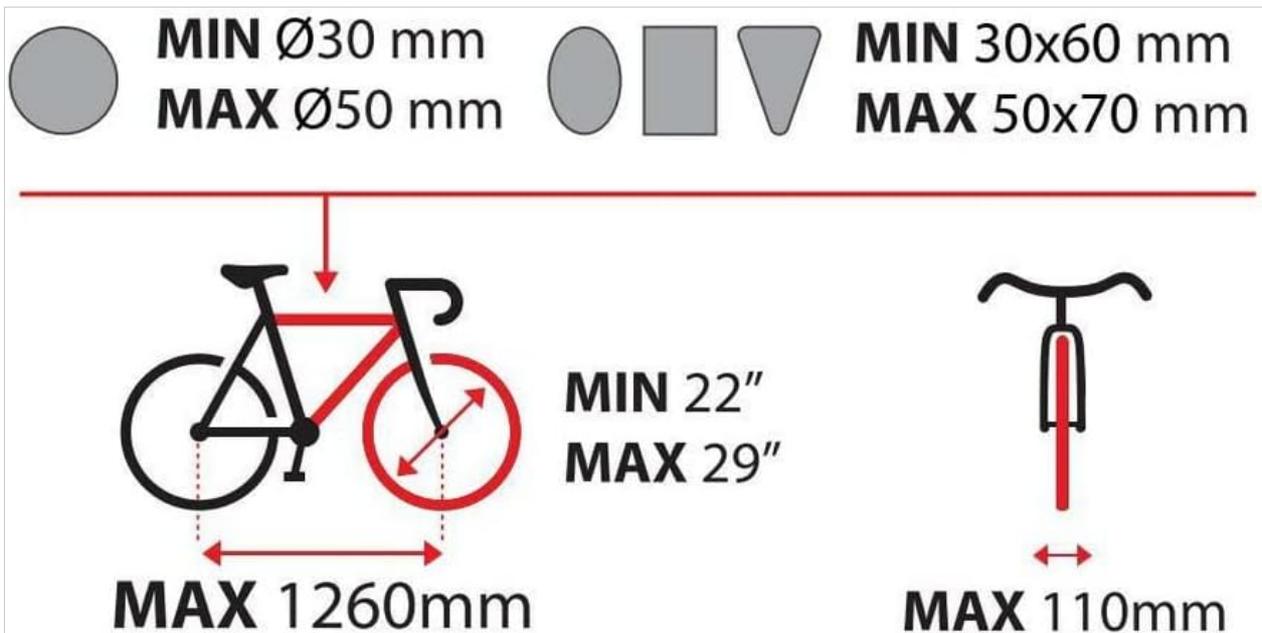


Image 8.2: Detailed bicycle dimension compatibility, including minimum/maximum frame sizes, wheelbase, and tire width.

9. WARRANTY AND SUPPORT

NORDRIVE products are manufactured to high-quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to your purchase documentation for specific warranty terms and duration.

For technical support, spare parts, or warranty claims, please contact your authorized NORDRIVE dealer or visit the official NORDRIVE website for customer service contact information.

