

Allen 103DN-R

Allen Sports Deluxe Trunk Mount 3-Bike Carrier

Model: 103DN-R

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective installation, operation, and maintenance of your Allen Sports Deluxe Trunk Mount 3-Bike Carrier, Model 103DN-R. Please read all instructions carefully before use to ensure proper setup and to prevent damage to your vehicle or bicycles.

Important Safety Information

- Always ensure the rack is securely attached to your vehicle before loading bicycles.
- Do not exceed the maximum load capacity of 35 lbs per bike.
- Verify vehicle compatibility on the Allen Sports website before installation.
- Periodically check all straps and connections for tightness during travel.
- Secure front wheels of bicycles to prevent spinning and contact with the vehicle.
- Be aware of increased vehicle length and height when maneuvering, especially when backing up.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

PRODUCT OVERVIEW

The Allen Sports Deluxe Trunk Mount 3-Bike Carrier is designed for easy transport of up to three bicycles on most sedans, hatchbacks, minivans, and SUVs. Its simple, sturdy design ensures secure attachment and protection for both your vehicle and bikes.

Key Features:

- Padded lower frame to protect vehicle finish.
- Patented Sure Strap lower strap system for secure hook placement.
- Individual tie-downs to secure and protect bicycles.
- Folds flat for convenient storage.

- Fully assembled for quick installation.



Figure 1: The Allen Sports Deluxe Trunk Mount 3-Bike Carrier installed on the trunk of a sedan, ready for use.

SETUP AND INSTALLATION

The rack comes fully assembled. Follow these steps for proper installation on your vehicle.

Vehicle Compatibility:

Before installation, confirm your vehicle's compatibility by visiting the official Allen Sports website and checking their fit list. This rack is designed to fit most sedans, hatchbacks, minivans, and SUVs.



Figure 2: Illustration demonstrating the compatibility of the Deluxe Trunk Rack with various vehicle types: hatchbacks, squarebacks/SUVs, and sedans.

Installation Steps:

1. **Position the Rack:** Place the rack against the rear of your vehicle. The padded lower frame should rest on the bumper or lower trunk area, and the upper arms should rest on the top edge of the trunk or hatch.
2. **Attach Top Straps:** Locate the two top straps. Hook the metal clips securely under the top edge of your trunk or hatch. Ensure the hooks are fully engaged and not just resting on the paint.
3. **Attach Side Straps:** Locate the two side straps. Hook the metal clips securely to the side edges of your trunk or hatch. These provide lateral stability.
4. **Attach Bottom Straps:** Locate the two bottom straps. Hook the metal clips securely under the bottom edge of your trunk or bumper. For vehicles with plastic bumpers or no lip, open the trunk/hatch slightly, place the hook inside, and then close the trunk/hatch to secure the hook internally.
5. **Tighten All Straps:** Systematically tighten all six straps (top, side, and bottom) by pulling the loose ends. Tighten them evenly, alternating between straps, until the rack is firmly secured to the vehicle and does not move. The rack

should be snug against the vehicle's surface.

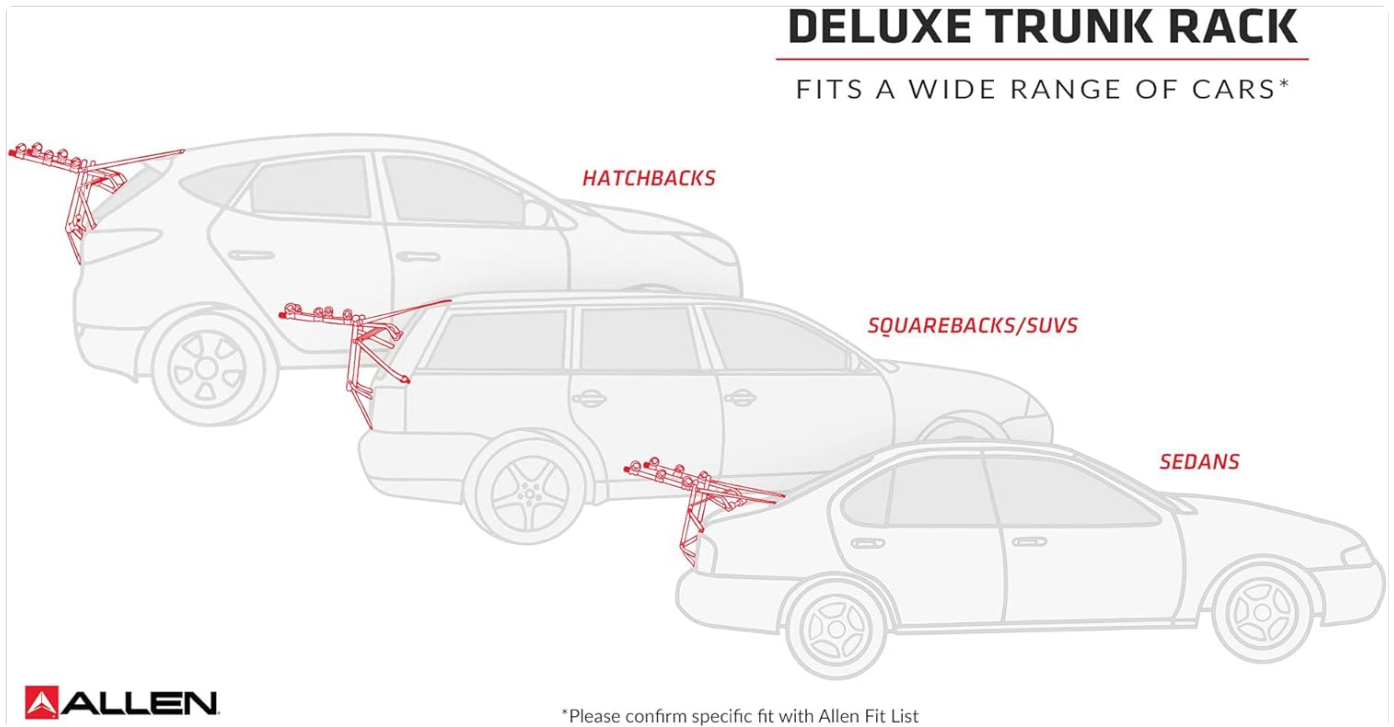


Figure 3: Visual guide for secure strap placement: (1) & (2) Top straps, (3) & (4) Side straps, (5) & (6) Bottom straps.

SECURE STRAP PLACEMENT

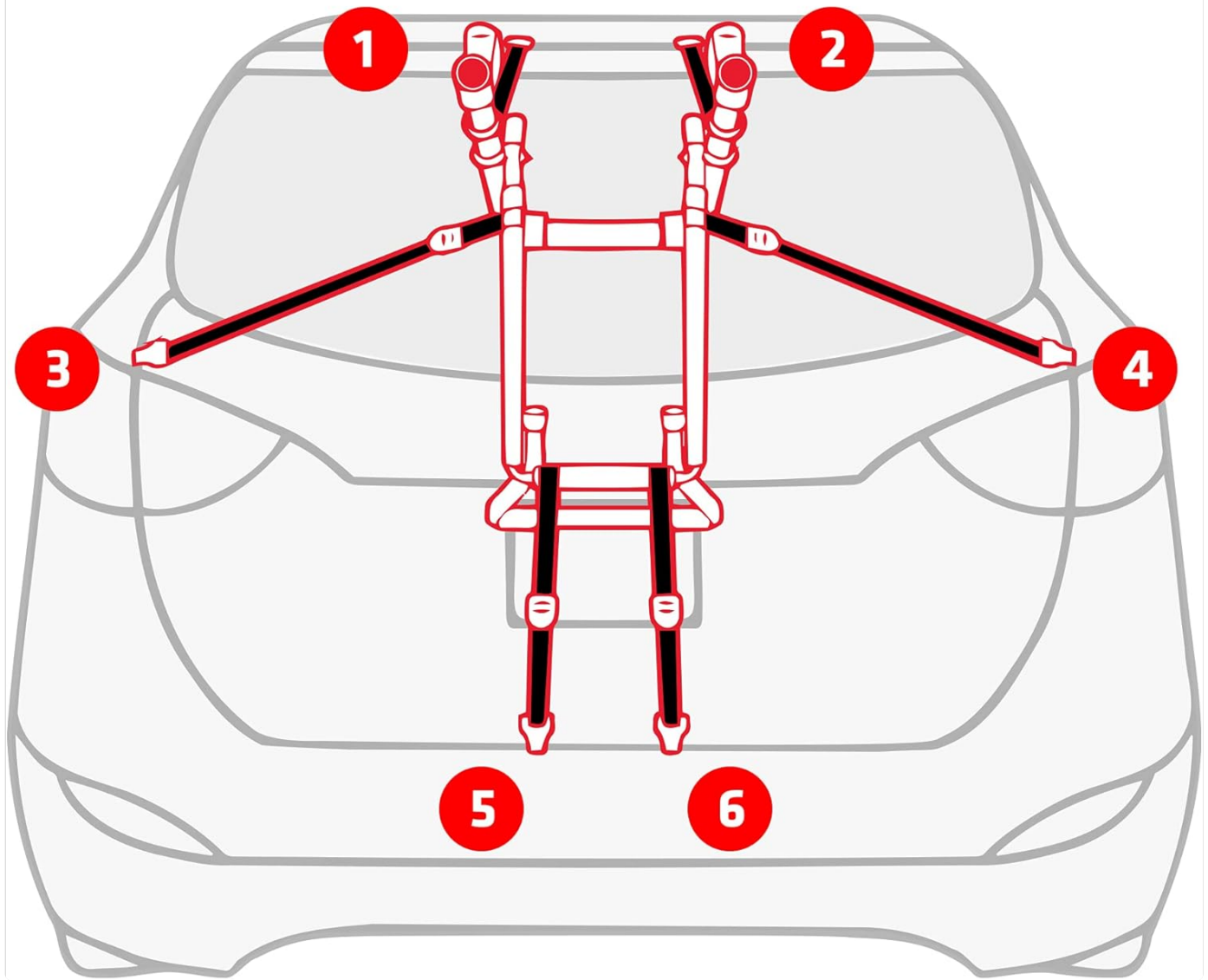


Figure 4: Detail of the padded lower frame protecting the vehicle's surface.

OPERATING INSTRUCTIONS

Loading Bicycles:

1. **Prepare Bikes:** Remove any loose items from bicycles (e.g., water bottles, pumps, bags).
2. **Lift and Position:** Lift the first bicycle and place its top tube into the cradles on the rack arms. Ensure the bike is centered and stable.
3. **Secure with Tie-Downs:** Use the individual tie-downs provided on the rack arms to secure the bicycle's frame. Wrap the strap around the bike frame and through the buckle, pulling it tight. Repeat for all bikes.
4. **Prevent Wheel Spin:** Use additional bungee cords or straps (not included) to secure the front wheels of the bicycles to prevent them from spinning or swiveling and potentially contacting your vehicle during transit.
5. **Check Clearance:** Ensure there is adequate clearance between the bicycles and your vehicle, and that the bikes do not obstruct taillights or license plates.



Figure 5: Two bicycles securely loaded onto the trunk mount carrier.



Figure 6: Detail of the individual tie-down mechanism used to secure a bicycle to the rack arm.

Unloading Bicycles:

1. Release any additional straps or bungee cords securing the wheels.
2. Unfasten the individual tie-downs from each bicycle.
3. Carefully lift each bicycle off the rack.

MAINTENANCE

- **Cleaning:** Clean the rack with mild soap and water after each use, especially if exposed to dirt, salt, or road grime. Rinse thoroughly and dry.
- **Strap Inspection:** Regularly inspect all straps for fraying, cuts, or wear. Replace any damaged straps immediately.
- **Hardware Check:** Periodically check all bolts and fasteners to ensure they are tight.
- **Storage:** When not in use, fold the rack flat and store it in a dry place, away from direct sunlight and extreme

temperatures.



Figure 7: The bike carrier folded flat for compact storage inside a vehicle's trunk.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Rack feels loose after installation.	Straps are not tightened sufficiently or evenly.	Re-tighten all six straps, pulling firmly and alternating between them until the rack is completely stable.
Bicycles sway during transit.	Bikes not properly secured with tie-downs; front wheels not stabilized.	Ensure individual tie-downs are tight. Use additional bungee cords to secure front wheels to prevent rotation.

Problem	Possible Cause	Solution
Rack hooks are scratching vehicle paint.	Improper hook placement or lack of protective measures.	Ensure hooks are fully engaged and not rubbing. Consider applying electrical tape or protective film to contact points on the vehicle.
Cannot fit 3 bikes on the rack.	Bike frame geometry or size issues.	Some bike frames (e.g., step-through, full suspension) may require a bike adapter bar (sold separately). Adjust bike positions for optimal fit.

SPECIFICATIONS

- **Model:** 103DN-R
- **Capacity:** 3 Bicycles
- **Load Capacity:** 35 lbs (per bike)
- **Mounting Type:** Trunk/Hatch Mount (Strap)
- **Dimensions (L x W x H):** 72 x 36 x 4.5 inches (unfolded)
- **Item Weight:** 8.8 pounds
- **Color:** Red/Black
- **Special Features:** Foldable, Padded Frame, Individual Tie-Downs
- **Universal Fit:** Consult manufacturer's site for specific vehicle fit.

WARRANTY AND SUPPORT

For warranty information, product registration, or technical support, please visit the official Allen Sports website or contact their customer service department. Keep your purchase receipt as proof of purchase.



Online Resources:

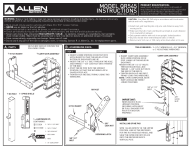

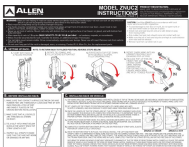

- [Allen Sports Store on Amazon](#)
- [Installation Manual \(PDF\)](#)



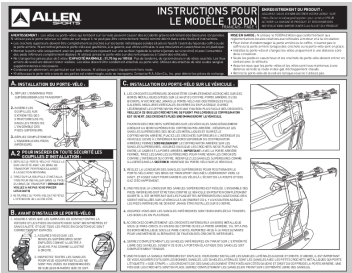
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Model 103DN-R User Manual

Related Documents - 103DN-R

	Allen Sports Model 103DN Trunk Bike Rack: Installation, Use, and Safety Instructions Comprehensive guide for the Allen Sports Model 103DN trunk bike rack, covering setup, vehicle installation (including alternate methods), bicycle loading, securing, safety warnings, and warranty information.
	Allen Sports MT2 Bike Rack: Installation and User Instructions Comprehensive instructions for installing and using the Allen Sports MT2 folding 2-bike trunk mount rack. Includes setup, mounting, loading, and safety guidelines.

	<p>Allen Sports QR545 Bicycle Rack: Assembly and Installation Guide</p> <p>Comprehensive instructions for assembling, installing, and using the Allen Sports QR545 hitch-mounted bicycle rack. Learn how to safely transport up to four bicycles with this guide.</p>
	<p>Allen Sports 102DN 2-Bike Trunk Rack Installation Instructions</p> <p>Comprehensive instructions for installing and using the Allen Sports 102DN 2-Bike Trunk Rack, including safety warnings and tips for secure bicycle transport.</p>
	<p>Allen ZNUC2 Bike Rack Installation and Usage Instructions</p> <p>Comprehensive guide for installing and using the Allen ZNUC2 trunk-mounted bicycle rack, including setup, vehicle attachment, and loading procedures.</p>
	<p>Allen S545 4-Bike Hitch Rack: Assembly and Installation Instructions</p> <p>Comprehensive guide for assembling, installing, and safely loading bicycles onto the Allen S545 4-Bike Hitch Rack. Includes important safety warnings, parts list, step-by-step instructions, and warranty information.</p>

Documents - Allen – 103DN-R



[\[pdf\]](#) User Manual Instructions

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INSTRUCTIONS POUR LE MODLE 103DN FRANAIS - PAGE 1

ENREGISTREMENT DU PRODUIT : ASSUREZ-VLOoUrSeDm

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<https://allenL.obirkeem/paigpessu/rmegister-your-product> POUR ACTIVER LA

GARANTIE PRODUIT ET RECEVOIR DES NOTIFICATIONS IMPORTANTES AU

SUJET DU PRODUIT AVERTISSEMENT : ...

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2022
FIT GUIDE - GUIDE D'AJUSTEMENT - LEITFADEN ZUR EIGNUNG
GUIDA DI COMPATIBILITÀ - GUÍA DE AJUSTE

!CAUTION - MISE EN GARDE - VORSICHT - ATTENZIONE - PRECAUCIÓN!

- This fit guide applies only to Allen trunk-mounted one, two, and three bike models for the vehicle models, makes, and years indicated in "Index".
- This fit guide is subject to change, and this version may be out of date. Please email Allen for most current fit information.
- Read & fit guide is confirmed in this guide. The Allen Bike Rack must be installed and used in accordance with the instructions included with the product to function correctly. Fit the Allen bike rack to the vehicle of the user's vehicle in the vehicle models in original and non-mounted condition. Do not use the Allen bike rack on any vehicle model that is not listed in the "Index".
- Le guide d'ajustement s'applique uniquement aux modèles Allen à un, deux et trois vélos montés sur support pour les modèles, les marques et les années indiquées dans l'index.
- Le guide d'ajustement est sujet à changement, et cette version peut être obsolète. Veuillez envoyer un courriel à Allen pour obtenir les renseignements les plus récents sur l'ajustement.
- Wenn es ein Anpassen auf andere Modelle, Marken oder Jahre, die nicht in der Liste der Modelle, Marken und Jahre angegeben sind, ist das Anpassen nicht möglich. Bitte kontaktieren Sie Allen für weitere Informationen. Für Ihr Produkt (Anpassung) finden Sie die Informationen, die Sie benötigen, um das Produkt zu installieren und zu verwenden.
- Questo manuale di fitting è valido per un determinato modello di Allen per un solo tipo di veicolo. Verificare che il veicolo sia compatibile con il modello di Allen che si desidera utilizzare.
- Questo manuale di fitting è soggetto a modifiche, e questa versione potrebbe essere obsoleta. Contattare Allen per le informazioni più recenti.
- Este manual de ajuste solo es válido para un determinado modelo de Allen para un solo tipo de vehículo. Verifique que el vehículo sea compatible con el modelo de Allen que desea utilizar.
- Este manual de ajuste está sujeto a cambios, y esta versión puede estar obsoleta. Contacte a Allen para obtener la información más reciente.
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