

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [apline](#) /

› [apline ACE-1 Car Roof Rack Cross Bar Instruction Manual for Volkswagen Caddy 4 \(SB\) 2020-2025](#)

apline ACE-1 U01-UN-35-12-G_138-29_2*AP

apline ACE-1 Car Roof Rack Cross Bar Instruction Manual

Model: ACE-1 U01-UN-35-12-G_138-29_2*AP

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your apline ACE-1 Car Roof Rack Cross Bars. Please read this manual thoroughly before installation and use to ensure safe and correct application.

The apline ACE-1 Car Roof Rack Cross Bars are designed for vehicles with existing roof rails that have a distinct gap between the roof of the vehicle and the rail. This product is compatible with **Volkswagen Caddy 4 (SB) models from 2020 to 2025**.



VOLKSWAGEN CADDY

2020 - 2025



Description: This image displays the apline ACE-1 Car Roof Rack Cross Bars installed on a Volkswagen Caddy 4, highlighting the product's compatibility and appearance on the specified vehicle model (2020-2025).

SAFETY INFORMATION

Adhering to these safety guidelines is crucial for preventing accidents and ensuring the longevity of your roof rack system.

- **Load Capacity:** Never exceed the maximum load capacity of **75 kg** when the vehicle is moving. For a parked vehicle, the recommended maximum load is **150 kg** for a 2-bar system.
- **Secure Installation:** Ensure all components are securely fastened according to the installation instructions. Regularly check the tightness of all bolts and connections, especially after driving on rough roads or after the first few uses.
- **Cargo Distribution:** Distribute cargo evenly across the cross bars. Secure all items firmly to prevent shifting during transit.
- **Driving Speed:** Adjust your driving speed to suit road conditions and the load being carried. Avoid sudden braking or sharp turns when carrying heavy loads. The maximum recommended speed with a loaded roof rack is 120 km/h.
- **Vehicle Height:** Be aware of the increased height of your vehicle when the roof rack is installed, especially

when entering garages, car washes, or low-clearance areas.

- **Product Compatibility:** This product is designed for vehicles with roof rails that have a gap. It is not suitable for vehicles with flush-mounted roof rails or no roof rails.

PACKAGE CONTENTS

Verify that all the following components are included in your package:

- 2 x Aluminium Cross Bars (Grey)
- 4 x Connection Main Body
- 4 x Connection Main Body Locked Cover
- 2 x Spanner
- 1 x Auxiliary Connection Kit (Vehicle-specific)
- 2 x Keys for Security Locks

INSTALLATION INSTRUCTIONS

Follow these steps carefully for proper installation. One person can assemble the product without professional support.

Step 1: Verify Roof Rail Compatibility

Before beginning installation, confirm that your vehicle has roof rails with a gap between the roof and the rail. This product is not compatible with flush-mounted roof rails or vehicles without roof rails.



Description: This image illustrates three types of vehicle roofs. The middle image, marked with a green checkmark, shows a roof rail with a clear gap between the rail and the vehicle roof, indicating compatibility. The left and right images, marked with red crosses, show integrated roof rails or no roof rails, which are not compatible.

Step 2: Component Overview and Preparation

Familiarize yourself with the individual components. The auxiliary connection kit is vehicle-specific and ensures a proper fit.



Description: This diagram provides an exploded view of the roof rack components. Key parts include the main body with an extra safety lock and keys, the aluminum bar, a load absorber, and a vehicle-specific auxiliary kit. It highlights features like durability, anti-slip, anti-vibration, and aerodynamic design.

Step 3: Initial Assembly of Clamps to Bars

Refer to steps 1 and 2 in the diagram below. Slide the connection main body onto the aluminum bars. Ensure the correct orientation for the clamps to face outwards. Then, secure the connection main body locked cover onto the main body.



Description: This image illustrates the complete installation process in six steps. Steps 1 and 2 show how to attach the main connection body and its cover to the aluminum cross bars.

Step 4: Positioning on Roof Rails

Refer to steps 3 and 4 in the diagram above. Place the assembled cross bars onto the vehicle's roof rails. Adjust the distance between the bars to approximately **70-75 cm** for optimal load distribution and stability. Ensure the bars are centered on the vehicle. Use the provided spanner to initially tighten the clamps to the roof rails, but do not fully secure them yet.

Step 5: Final Tightening and Locking

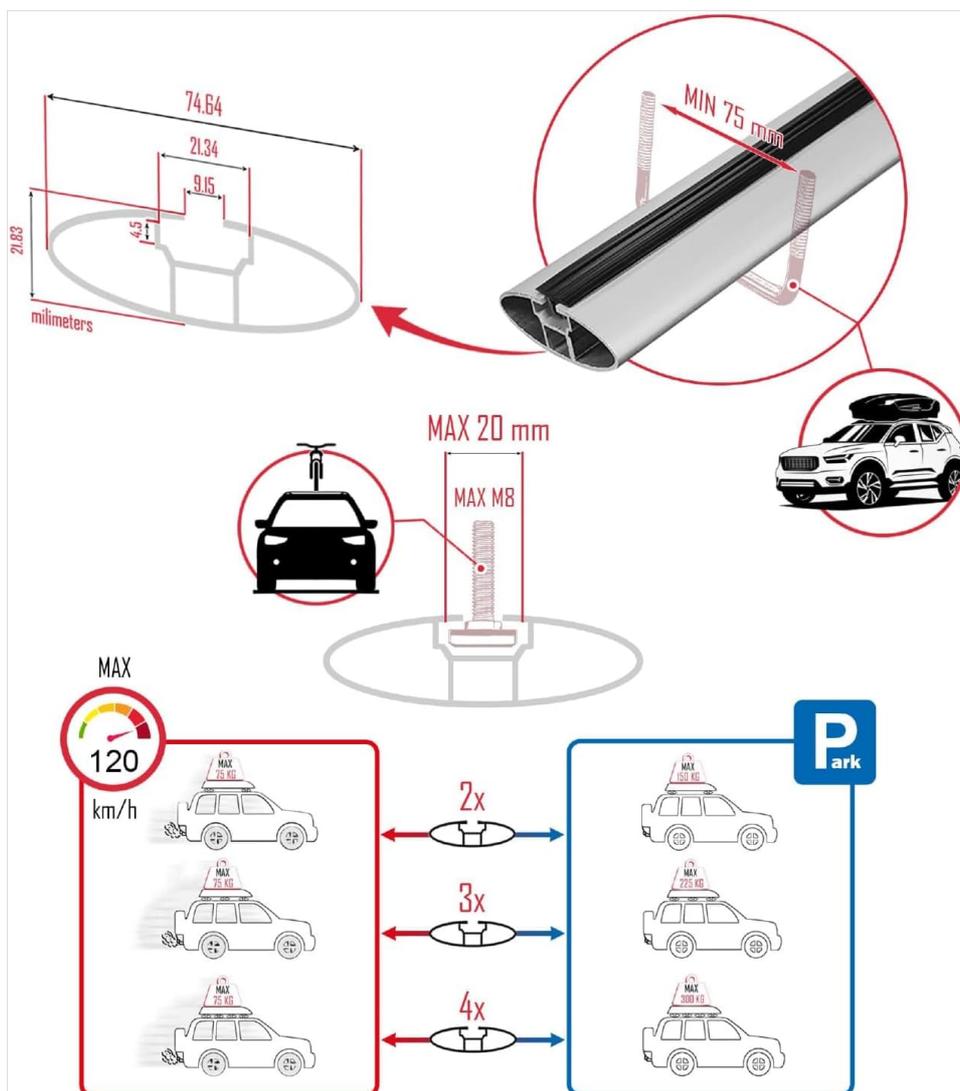
Refer to steps 5 and 6 in the diagram above. Once the bars are correctly positioned and aligned, fully tighten all connections using the provided spanner until they are secure. After tightening, engage the extra safety lock mechanism on each clamp using the provided keys. This deters theft and ensures the roof rack remains firmly attached. Remember, these locks must be opened with a key for disassembly.

For additional visual guidance, you may refer to the manufacturer's resources at accessorypart.de.

OPERATION

Load Capacity

The maximum load capacity for the roof rack when the vehicle is moving is **75 kg**. When the vehicle is parked, the recommended maximum load is **150 kg** for a 2-bar system. Always adhere to these limits to prevent damage to the roof rack, your vehicle, or potential accidents.



Description: This diagram visually represents the load limits. It shows that for a moving vehicle, the maximum load is 75 kg. For a parked vehicle, the maximum recommended load is 150 kg for two bars, 225 kg for three bars, and 300 kg for four bars. It also indicates a maximum speed limit of 120 km/h when loaded.

Securing Cargo

Always ensure cargo is evenly distributed and securely fastened to the cross bars. Use appropriate tie-downs, straps, or cargo carriers designed for roof rack use. Avoid placing heavy items on one side only. Ensure cargo does not obstruct your view or interfere with vehicle operation.

Security Locks

The roof rack features an extra lock mechanism on each clamp. Use the provided keys to lock the clamps after installation to deter theft and ensure the roof rack remains firmly attached. These locks must be opened with a key for disassembly or removal of the roof rack.

MAINTENANCE

Regular maintenance will ensure the continued safe and reliable performance of your apline ACE-1 roof rack.

- **Inspection:** Periodically inspect all components for signs of wear, damage, or corrosion. Pay close attention to the aluminum bars, plastic clamps, and rubber seals.
- **Tightness Check:** Regularly check the tightness of all mounting bolts and connections. Re-tighten if necessary, especially after the first few uses and before long journeys.
- **Cleaning:** Clean the roof rack with mild soap and water. Avoid abrasive cleaners or solvents that could damage the finish or plastic components. Rinse thoroughly and dry.
- **Lock Care:** If the locks become stiff, apply a small amount of graphite lubricant or a silicone-based spray to the keyhole.
- **Seasonal Removal:** If the roof rack is not used for extended periods, consider removing it to reduce wind noise and improve fuel efficiency. Store it in a dry, protected area.

TROUBLESHOOTING

Here are solutions to common issues you might encounter:

- **Loose Fit or Movement:**
 - Ensure all connection bolts are fully tightened using the provided spanner.
 - Verify that the auxiliary connection kit is correctly installed and matches your vehicle's roof rail profile.
 - Check that the security locks are engaged.
- **Excessive Noise During Driving:**
 - Confirm that all components are securely fastened and there is no play.
 - Ensure any cargo is properly secured and not vibrating or creating additional drag.
 - Check for any loose rubber strips or seals on the aluminum bars.
- **Difficulty Locking or Unlocking:**
 - Ensure the key is fully inserted and turned smoothly. Do not force the key.
 - Inspect the lock mechanism for dirt or debris. Clean if necessary and apply a small amount of lubricant.
- **Scratches on Roof Rails:**
 - Ensure the rubber load absorbers and protective pads are correctly positioned between the clamps and

your vehicle's roof rails during installation.

SPECIFICATIONS

Feature	Detail
Brand	apline
Model Name	ACE-1
Part Number	U01-UN-35-12-G_138-29_2*AP
Compatibility	Volkswagen Caddy 4 (SB) 2020-2025 (with roof rails having a gap)
Material	Aluminium bars, High-Quality Plastic components
Color	Grey
Max. Load Capacity (Moving Vehicle)	75 kg
Max. Load Capacity (Parked Vehicle, 2 bars)	150 kg
Product Dimensions (L x W x H)	Approximately 39.37 x 3.94 x 7.87 inches
Item Weight	8.8 pounds
Operating Temperature	-20°C to +80°C
Key Features	Extra Safety Lock, Aerodynamic Design, UV Resistance, Compatible with T-Bolt accessories

WARRANTY AND SUPPORT

apline products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty information provided at the time of purchase or contact apline customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

For technical assistance, troubleshooting, or inquiries about replacement parts, please visit the official apline website or contact their authorized support channels. You may also find additional resources at [accessorypart.de](https://www.accessorypart.de).