

**HIGHLAND®**

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# **Easy Grip®** User Manual

**COMPOSITE SNOW CHAINS**



## **USER GUIDE for fitting Easy Grip® composite snow chains.**

Please read this guide carefully before use, and then keep in a safe place for future reference. If you encounter any problems or difficulties please contact the consumer helpline: 1.800.234.6992

**NOTE:** Easy Grip® composite snow chains are supplemental traction aids. They are not a substitute for metal chains where states require installation of these devices.

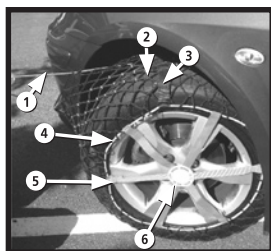
Introduction .....	2
Parts and Description .....	2
Safety Instructions .....	2
Installation Instructions.....	4
Driving / Operating Instructions .....	6
Removal.....	6
Frequently Asked Questions.....	7

## Introduction

Thank you for purchasing the EasyGrip® composite snow chains. Please read these instructions before using EasyGrip® composite snow chains. Please keep instructions after use. This product is only intended for use in difficult conditions in an emergency.

## Parts and Description

- |                                |   |
|--------------------------------|---|
| 1 - Red internal elastic cable | 5 - Red straps                                  |
| 2 - Mesh net                   | 6 - NVS (Night Vision Security) reflective disc |
| 3 - Black junction band        |   |
| 4 - External grey cable        |   |



## Safety Instructions



- Use on cars
  - Install on the driving wheels of the vehicle.
- Use on 4x4 and SUV –
  - Recommendations**
    - Install on all 4 wheels (or on the driving wheels for short distances)
    - Maximum speed 25 mph.
  - Mandatory**
    - Install on all 4 wheels.
    - Do not fit on vehicles with double wheels.
    - Maximum speed 25 mph.
- Install on the driving wheels of the vehicle.
- Only use EasyGrip® composite snow chains on the tire dimensions specified on the packaging.
- Do not exceed 25 mph.
- Drive carefully and smoothly avoiding sudden starting/acceleration and sudden turning or braking. Start slowly, even in uphill conditions. Avoid locking brakes. The best braking technique is a pumping action.
- Avoid any sustained driving on asphalt roads which could damage the product.
  - Warning: On asphalt, vehicle behavior varies considerably.

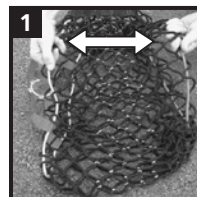
**Note:** The use of Easy Grip® composite snow chains produces a considerable difference in road friction between the front and back axles, thus increasing the risk of losing road grip on the wheels without Easy Grip®. Therefore, you must display extra caution when fitting and driving with Easy Grip®. When Starting up, no one should be behind the vehicle, because stones and lumps of ice, etc., could be thrown backwards with great force. Easy Grip® is not a substitute for winter tires.

## Safety Instructions (continued)

- When damaged or broken, the efficiency of the product is reduced. Vehicle control can be reduced on snow and ice. In this case, the product should not be used.
- Before first use, carry out a fitting test on your vehicle.
- When fitting snow chains always ensure you are in a safe place to do so.
- Make yourself visible by wearing a reflective safety jacket, and by using an emergency warning triangle.
- Place the emergency warning triangle at least 55 yards from your vehicle.
- Ensure that no part of the EasyGrip® composite snow chains brushes or touches any mechanical parts of the vehicle – CHECK at full steering lock and in all extreme positions. (examples: suspension parts, bleed screw, hose, ...).
- The NVS (Night Vision Security) disc is the reference mark to ensure the EasyGrip® composite snow chain is centered on the wheel & tire correctly.
- Check that the product is correctly centered. The NVS (Night Vision Security) disc must be perfectly positioned on the center of the wheel.
- During removal, the EasyGrip® composite snow chains must be subjected to regular visual inspection.
- If the product does not fit as described in the instructions please call the customer helpline.
- Do not use the chain if it is damaged or broken.

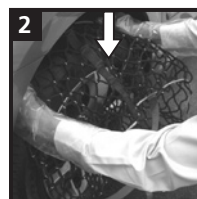
## Installation Instructions

- Park the vehicle in a safe place, away from traffic, on level ground and engage the hand brake.
- Make yourself visible by wearing a reflective safety jacket and by using an emergency warning triangle at least 55 yards from your vehicle.
- Only Install on the driving wheels of the vehicle.
- Take out the EasyGrip® composite snow chains from the packaging, read, understand and follow these instructions.



1. Unfold the EasyGrip®, spread out the mesh of the net in preparation for fitting to make the product more flexible (figure 1).

Put the gloves on and use the bag as a safety mat to protect your knees.

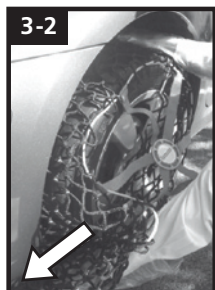


2. With the wheels straight, fit the EasyGrip® composite snow chains over the top of tire by holding the internal red elastic cable stretching it over the top of the tire.

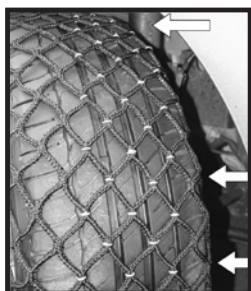
The black junction band must be placed at the 12 o'clock position on the top of the tire (figure 2).

## Installation Instructions *(continued)*

3. • Slip the black junction band over the back of the tire and position as low as possible.
  - Take the internal red elastic cable and stretch it as much as possible over and behind the back of the tire (figure 3-1). To do this, position the internal red elastic cable on one side of the back part of the tire first (figure 3-2).
  - Using as much length of the red elastic cable as possible, pull it towards the other half of the tire (figure 3-3).
  - Finally position the red elastic cable over the remaining back part of the tire.



4. Use the red straps and the mesh of the net to correctly adjust the EasyGrip® composite snow chains on the wheel and tire, so that the NVS (Night Vision Security) reflective disc is positioned as close as possible to the center of the wheel.



5. Ensure that no part of the EasyGrip® composite snow chains brushes or touches any mechanical part of the vehicle – even at full steering lock and in all extreme positions (examples: suspension parts, bleed screw, hose, ...).



6. • Keeping the wheels in a straight line, without turning the steering wheels, move the vehicle forward or back slowly approximately half a turn of wheels and then engage the hand brake.
  - DO NOT turn the steering wheel while doing this operation.

7. • Finish mounting the EasyGrip® composite snow chain so that it covers the whole tire
  - The NVS (Night Vision Security) reflective disc must be perfectly positioned on the center of wheel (figure 7-1).
  - Ensure that the internal red elastic wire has been completely passed over the back of the tire (figure 7-2).

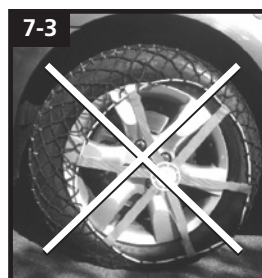


Correct  
Exterior  
Center  
Position

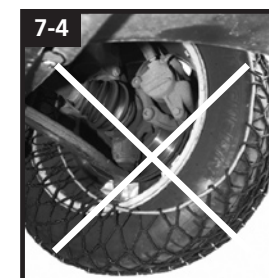


Correct  
Interior  
Center  
Position

- Note: The mesh net should cover the majority of the side wall of the tire on both sides.



Incorrect  
Exterior  
Center  
Position

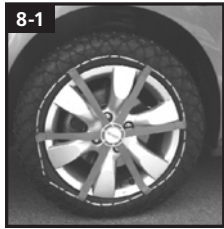


Incorrect  
Interior  
Center  
Position

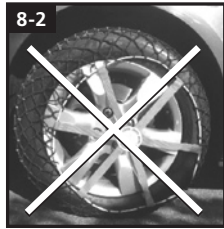
- Ensure that no part of the EasyGrip® composite snow chain brushes or touches any mechanical part of the vehicle – even at full steering lock and in the all extreme positions.  
( e.g.: suspension parts, bleed screw, hose, ...)

## Installation Instructions *(continued)*

8. After having driven a short distance (approx. 1/10 mile) check that the product is perfectly positioned on the center of the wheel (figure 8-1). If it isn't perfectly positioned (figure 8-2) please remove the snow chain and then re-mount it following the instructions above. If you are still having difficulties, please contact the consumer helpline: 1-800-234-6992.



Correct  
Centered



Incorrect  
Centered

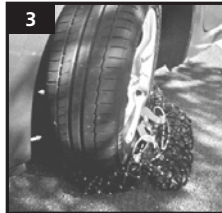
## Driving / Operating Instructions

- Do not turn off any anti-spin programs such as ABS, ESP, ETS, ASR, etc.
- Drive carefully and smoothly. Avoid sudden starting / acceleration and sudden turning or braking.
- If you hear any loud noises, reduce speed, stop and check.
- If the problem persists please contact the customer helpline for further guidance.
- Avoid any sustained driving on asphalt roads which could damage the product.



## Removal

- Park the vehicle in a safe place and engage the emergency hand brake. On the side of the road, make yourself visible by wearing a reflective safety jacket and by using an emergency warning triangle at least 55 yards from your vehicle.
- For easy removal, turn the wheels to the extreme outside full lock position.
- Pull out the red elastic cable towards you (figure 1)
- Continue to pull the EasyGrip® composite snow chain away from the tire (figure 2, 3).



- Move the vehicle backwards to fully remove the EasyGrip® composite snow chain (figure 4).
- Check the product for signs of wear and tear before storing it in its bag.
- It is not necessary to wash the EasyGrip® composite snow chains. Never wash the EasyGrip® composite snow chains in a washing machine. Do not dry the EasyGrip® composite snow chains at temperatures above 122°F.

## Frequently Asked Questions

### What is the story behind Easy Grip®?

Easy Grip® is a totally new concept in snow chains. It was developed in conjunction with one of the world's leading tire manufacturers and launched in Europe in 2007. Easy Grip® is the first commercially made snow chain manufactured using aramid, steel, polyamide and polyurethane.

Aramid, an extremely strong fiber, is wrapped in an abrasion resistant polyamide and polyurethane cord. This structure creates studs that grip the snow. The webbed chain is completed with 150 galvanized steel cleats that grip into the ice. The result is extra traction and better handling on snow and ice.

Easy Grip® composite snow chains are very lightweight, compact, simple to install/remove and store neatly in the provided carrying case. Easy Grip® should be kept in your trunk so that you are prepared when difficult winter driving conditions arise.

### How do metal snow chains and Easy Grip® composite snow chains differ in performance?

Both products offer essentially the same high performance, but Easy Grip® has some additional advantages:

- Easy assembly (approximately 3 minutes) with a totally new concept
- Easy storage with its lightness and compactness
- A smoother drive with less vibration
- Better performance in terms of lateral control
- Less damage to the bodywork or suspension

### What conditions are best suited for use of Easy Grip® composite snow chains?

Easy Grip® snow chains are intended to be used in difficult/emergency driving conditions caused by snow and ice. They should be used only on snow and ice covered roads and should be removed immediately when conditions improve. They are not intended to be used on dry asphalt.

Like metal chains, Easy Grip® is designed for handling snow and icy roads. However, in extreme conditions, when the snow is particularly heavy, metal chains are better suited because their structure is more aggressive.

Vehicles should be driven NO more than 25 mph when Easy Grip® composite snow chains are installed. Extreme precaution should be taken when driving on hazardous roads.

### What materials are used?

This product is made of aramid, steel, polyamide and polyurethane. See question 1 for further explanation of materials.

### How long did it take to develop Easy Grip®?

Development time was 12 months and involved close participation with a tire manufacturer and their partner company.

### What tests were conducted on Easy Grip®?

Test took place in the Alps, Finland and New Zealand. The tests were conducted throughout the development process in order to obtain the best performance possible.

Easy Grip® has also been certified by the independent testing laboratory TUV. In Europe TUV is synonymous with public safety, quality and environmental protection.

### Do Easy Grip® composite snow chains meet all regulatory requirements for snow chains?

All states allow tire chains when conditions require their use. However, tire chains are not intended to be driven on dry asphalt where they can damage the road's surface. Use on snowy and icy roads for extra traction. Remove chains when hazardous conditions no longer exist.

Easy Grip® composite snow chains are supplemental traction aids. They are not a substitute for metal chains where states require installation of these devices

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