

SNOWDRIVE 16276

SNOWDRIVE Pilot-PRO 16276 External Mount Snow Chains User Manual

Model: 16276

1. INTRODUCTION

The SNOWDRIVE Pilot-PRO 16276 External Mount Snow Chains are designed to provide enhanced traction for vehicles in snowy and icy conditions. These chains feature an external mounting system, making them suitable for vehicles with limited internal clearance, often found in modern sports cars. They attach directly to one of the original wheel bolts, offering a practical and efficient solution for winter driving.

2. SAFETY INFORMATION

Always read and understand all instructions before installation and use. Failure to follow these instructions may result in property damage, injury, or death.

- **Speed Limit:** Do not exceed 50 km/h (30 mph) when snow chains are installed.
- **Road Conditions:** Avoid driving on dry pavement with snow chains. This can damage the chains, tires, and road surface.
- **Inspection:** Regularly inspect the chains for wear, damage, or loose connections before and during use.
- **Fitment:** Ensure proper fitment to prevent damage to tires, wheels, or vehicle components.
- **Vehicle Compatibility:** Verify that your vehicle and tire size are compatible with the SNOWDRIVE Pilot-PRO 16276 chains. Consult your vehicle's owner's manual for specific recommendations regarding snow chain use.
- **Braking and Steering:** Drive cautiously, allowing for increased braking distances and reduced steering response. Avoid sudden acceleration, braking, or sharp turns.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 Pair of SNOWDRIVE Pilot-PRO 16276 External Mount Snow Chains

- 1 Storage Bag
- Diameter Reducers (for adapting to various tire sizes)
- Instruction Manual (this document)



Figure 1: The SNOWDRIVE Pilot-PRO 16276 snow chains are supplied in a durable black carrying bag for convenient storage and transport.

4. SETUP (INSTALLATION)

The SNOWDRIVE Pilot-PRO 16276 chains feature an easy, quick, and effortless installation process due to their external mounting system and practical tensioning mechanism.

1. **Prepare Your Vehicle:** Park your vehicle safely on a level surface, away from traffic. Engage the parking brake. If possible, turn the steering wheel to allow easier access to the wheel.
2. **Identify Mounting Point:** The chains attach to one of the original hexagonal wheel bolts on your rim. **Do not use anti-theft bolts.** Select a sturdy, easily accessible bolt.
3. **Attach Central Unit:** Position the central mounting unit of the snow chain over the selected wheel bolt. Secure it firmly.

The system is designed for zero internal clearance, making it suitable for vehicles where traditional chains might not fit.

4. **Spread Chains Over Tire:** Carefully spread the chain mesh over the tire tread, ensuring it is evenly distributed. The tread is composed of a circular monobloc chain, without interruptions, held in place by four plastic resin plates with hardened steel ice-breaking inserts.
5. **Engage Tensioning System:** Utilize the practical tensioning system, which includes a rubber cord, to tighten the chains around the tire. The system is equipped with diameter reducers for a perfect fit on various tire sizes. Ensure the chains are snug against the tire, but not excessively tight.
6. **Final Check:** After installation, drive a short distance (approximately 10-20 meters) at a low speed, then stop and re-check the tension of the chains. Adjust if necessary.



Figure 2: Detailed view of the central mounting mechanism, showing how it attaches to the wheel bolt. This external mounting design ensures zero internal clearance.



Figure 3: A closer look at the secure attachment of the snow chain to a hexagonal wheel bolt, highlighting the robust connection.



Figure 4: The SNOWDRIVE Pilot-PRO 16276 snow chain completely installed on a vehicle tire, demonstrating its external mounting and coverage.

5. OPERATING (DRIVING WITH SNOW CHAINS)

Once the snow chains are properly installed, adhere to the following guidelines for safe operation:

- **Maintain Low Speed:** Never exceed the maximum recommended speed of 50 km/h (30 mph).
- **Smooth Driving:** Accelerate and brake gently. Avoid sudden movements that could cause the chains to slip or damage the tire.
- **Avoid Dry Pavement:** Remove the chains as soon as you reach clear, dry pavement. Driving on dry surfaces will rapidly wear down the chains and can damage your tires.
- **Listen for Sounds:** Pay attention to any unusual noises or vibrations, which could indicate improper installation or

damage to the chains. Stop immediately and inspect.



Figure 5: A vehicle equipped with SNOWDRIVE Pilot-PRO 16276 snow chains navigating a snowy environment, illustrating their intended use.

6. MAINTENANCE

Proper maintenance will extend the life of your SNOWDRIVE Pilot-PRO 16276 snow chains:

- **Cleaning:** After each use, especially after driving through salt or de-icing chemicals, rinse the chains thoroughly with fresh water.
- **Drying:** Allow the chains to air dry completely before storing them to prevent rust.
- **Inspection:** Before and after each season, inspect all chain links, tensioning components, and plastic parts for signs of wear, bending, cracks, or corrosion. Replace any damaged components or the entire set if significant wear is observed.
- **Storage:** Store the clean, dry chains in their original carrying bag in a cool, dry place, away from direct sunlight and chemicals.



Figure 6: A detailed view of the chain links and the integrated ice-breaking inserts, which are crucial for traction and should be inspected for wear.

7. TROUBLESHOOTING

If you encounter issues with your SNOWDRIVE Pilot-PRO 16276 snow chains, consider the following:

- **Chains Feel Loose:** Stop the vehicle and re-tension the chains. Ensure the diameter reducers are correctly installed for your tire size.
- **Unusual Noise or Vibration:** Immediately pull over to a safe location and inspect the chains. This could indicate improper installation, a damaged link, or contact with vehicle components.
- **Difficulty Installing:** Review the installation steps carefully. Ensure you are attaching the central unit to an original hexagonal wheel bolt and not an anti-theft bolt. Check that the chains are not tangled.
- **Chains Not Providing Traction:** Verify that the chains are properly tensioned and that you are driving within the recommended speed limits for snow chains. Ensure the tire size is compatible with the chains.

8. SPECIFICATIONS

Feature	Specification
Brand	SNOWDRIVE
Model	16276 (Pilot-PRO)
Material	Alloy Steel
Item Weight (Pair)	35 Kilograms

Feature	Specification
Package Dimensions	40 x 40 x 30 cm
Vehicle Service Type	Car
Approvals	TÜV AUSTRIA - ÖNORM V 5117 GEPRÜFT - EN 16662
Mounting Type	External Mount (0 mm internal clearance)

9. WARRANTY AND SUPPORT

For warranty information, product registration, or customer support, please refer to the documentation included with your purchase. You may also visit the official SNOWDRIVE website or contact their customer service department directly for assistance.

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