

Atlas Force UHP

Atlas Force UHP All-Season Radial Tire 245/45R19 Instruction Manual



1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Atlas Force UHP All-Season Radial Tire, size 245/45R19. Adhering to these guidelines will help ensure optimal performance and longevity of your tire.

The Atlas Force UHP tire is designed for ultra-high-performance applications, offering reliable traction, precise cornering, responsive steering, and consistent road manners across both wet and dry pavement conditions.



Image 1: Atlas Force UHP All-Season Radial Tire, showcasing its tread pattern and sidewall design.

Key Features:

- **Dual-zone tread pattern:** Features a wet-weather traction pattern at the center and a dry-weather design at the edges for consistent performance in varying conditions.
- **3D sipes:** Designed to enhance wet-weather traction, steering response, and braking performance.
- **Reinforced shoulders and sidewalls:** Provide extra stiffness to boost cornering ability.
- **Innovative groove pattern:** Aids in moving water away from the contact patch to reduce the risk of hydroplaning.

2. INSTALLATION AND INITIAL SETUP

Proper installation is crucial for tire safety and performance. It is highly recommended that these tires be installed by a qualified professional using appropriate equipment.

2.1 Pre-Installation Checks

- Verify that the tire size (245/45R19) matches your vehicle's specifications.
- Inspect the tire for any visible damage or manufacturing defects prior to mounting.
- Ensure the rim/wheel is clean, free from damage, and compatible with the tire. **Note: Rim/Wheel is not included with purchase.**

2.2 Mounting and Balancing

Tires must be mounted on approved rims by trained personnel. Use proper lubrication and follow industry-standard safety procedures. After mounting, tires must be balanced to prevent vibration and ensure even wear.

2.3 Inflation

Inflate tires to the vehicle manufacturer's recommended pressure, typically found on a placard inside the driver's side door jamb, glove compartment, or owner's manual. Do not exceed the maximum pressure indicated on the tire sidewall (42 PSI for this model).



Image 2: Side view of the Atlas Force UHP tire, showing sidewall markings and overall profile.

3. OPERATING GUIDELINES

Adhering to proper operating practices will maximize the safety and performance of your Atlas Force UHP tires.

3.1 Driving Conditions

- These all-season tires are designed for performance in various conditions, including wet and dry roads.
- Adjust driving speed and style to suit road conditions, especially in adverse weather.
- Avoid sudden acceleration, braking, and sharp turns, which can prematurely wear tires.

3.2 Load and Speed Ratings

Ensure that the vehicle's load does not exceed the tire's load capacity (102W for this model, indicating a load index of 102 and a speed rating of W). Exceeding these limits can lead to tire failure and unsafe driving conditions.

4. MAINTENANCE

Regular maintenance is essential for extending tire life and ensuring safe operation.

4.1 Tire Pressure

- Check tire pressure monthly, or before long trips, using a reliable gauge.
- Always check pressure when tires are cold (driven less than a mile).
- Maintain the pressure recommended by your vehicle manufacturer, not the maximum pressure on the tire sidewall.

4.2 Tire Rotation

Rotate tires every 5,000 to 7,500 miles, or as recommended by your vehicle manufacturer, to promote even wear and maximize tread life.

4.3 Tread Depth and Inspection

- Regularly inspect tires for signs of wear, cuts, punctures, or bulges.
- The minimum legal tread depth is 2/32 inch. Replace tires when they reach this limit, indicated by tread wear indicators. This tire has a tread depth of 10/32nds when new.



Image 3: Close-up view of the Atlas Force UHP tire's dual-zone tread pattern, highlighting sipes and grooves.

5. TROUBLESHOOTING COMMON ISSUES

This section addresses common tire-related issues. For persistent or severe problems, consult a qualified tire professional.

5.1 Vibration

- **Possible Cause:** Unbalanced wheels, bent rim, uneven tire wear, or suspension issues.
- **Solution:** Have tires re-balanced and inspected by a professional. Check alignment and suspension components.

5.2 Uneven Wear

- **Possible Cause:** Incorrect tire pressure, improper wheel alignment, lack of rotation, or worn suspension parts.
- **Solution:** Ensure correct tire pressure, perform regular rotations, and have wheel alignment checked. Address any worn suspension components.

5.3 Loss of Air Pressure

- **Possible Cause:** Puncture, leaky valve stem, damaged rim, or bead leak.
- **Solution:** Inspect the tire for punctures. If found, have it professionally repaired or replaced. Check valve stems and rim for damage.

6. PRODUCT SPECIFICATIONS

Specification	Detail
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Specification	Detail
Brand	Atlas
Model	Force UHP
Size	245/45R19
Section Width	245 Millimeters
Load Capacity	102W (Load Index 102, Speed Rating W)
Tread Depth (New)	10 32nds
Tread Type	Asymmetrical
Maximum Pressure	42 Pound per Square Inch
Rim Width	8 Inches
Tire Diameter	27.68 Inches
Item Weight	29 Pounds
Construction Type	Radial
UTQG	Treadwear: 520, Traction: AA, Temperature: A
Manufacturer Part Number	221017360



Image 4: Atlas Force UHP tire displayed upright, illustrating its full profile.

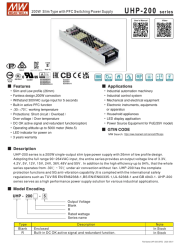
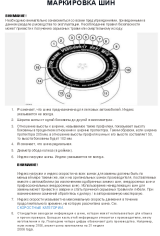




7. WARRANTY AND SUPPORT

For information regarding the warranty of your Atlas Force UHP tires, please refer to the official warranty documentation provided at the time of purchase or visit the manufacturer's official website.

If you require technical assistance or have questions not covered in this manual, please contact Atlas customer support through their official channels.



Related Documents - Force UHP

	<p>MEAN WELL UHP-200 Series 200W Slim Type PFC Switching Power Supply</p> <p>Comprehensive technical specifications, features, applications, and installation guidelines for the MEAN WELL UHP-200 series 200W slim type, fanless switching power supply with active PFC, suitable for various industrial applications.</p>
	<p>Tire Markings and Care Guide</p> <p>A comprehensive guide to understanding tire markings, including sidewall information, load and speed ratings, and proper tire care and maintenance. Covers tire aging, winter tire usage, and the use of snow chains.</p>
	<p>Audi Q7 (2010) Steering Wheel Vibration Diagnosis and Repair TSB</p> <p>Technical Service Bulletin (TSB) for diagnosing and resolving steering wheel vibration, shimmy, and oscillation issues on the 2010 Audi Q7 Quattro, detailing procedures for radial force variation (RFV) measurement and wheel balancing.</p>
	<p>MEAN WELL UHP-200A Series: 200W Single Output PFC Power Supply</p> <p>Explore the MEAN WELL UHP-200A series, a 200W single output AC-DC power supply with active PFC. This fanless, ultra-low profile unit is ideal for LED signage, moving signs, LED channel letters, and LED TV walls, offering high efficiency and reliability.</p>
	<p>Atlas Bio Series Access Control Panels Installation Guide</p> <p>Comprehensive installation guide for ZKTeco's Atlas Bio Series Access Control Panels, covering setup, wiring, and features for models Atlas-160, Atlas-260, and Atlas-460.</p>
	<p>Cambium Networks ePMP User Guide for 802.11ac/ax System Release 4.7</p> <p>Comprehensive user guide for Cambium Networks ePMP 802.11ac/ax devices, covering system release 4.7. This guide details product descriptions, hardware, system planning, and device management interface usage.</p>



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tread pattern design offers excellent traction and handling performance. Tras...

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