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**Pirelli PIRELLI 2291900**

## Pirelli Diablo Rosso 2 Front Motorcycle Tire User Manual

Model: PIRELLI 2291900

### 1. PRODUCT OVERVIEW

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The Pirelli Diablo Rosso 2 is a high-performance front motorcycle tire designed for sport and street riding. It is engineered to provide excellent grip and handling characteristics, suitable for a wide range of modern motorcycles.



Image: Pirelli Diablo Rosso 2 Front Motorcycle Tire, showcasing its tread pattern and sidewall.

## 2. KEY FEATURES

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- **Sporty and Versatile:** Designed as the sportiest and most versatile road-oriented tire within the Rosso Generation, suitable for various riding conditions.
- **Advanced Compound Technology:** Features a high-grip compound on the shoulders and a wet/mileage compound in the center, optimizing performance across various conditions.
- **Enhanced Patch Technology (EPT):** Grip is improved through EPT, a technology derived from World Superbike racing, optimizing the contact patch.
- **Integrated Contour Shaping (ICS):** Maximizes the contact patch area, complementing the handling and power delivery of contemporary motorcycles.

- **Wet Performance:** Engineered to perform well in wet conditions, enhancing safety and confidence.

## 3. SPECIFICATIONS

Specification	Value
Brand	Pirelli
Model	PIRELLI 2291900
Size	120/70ZR17
Section Width	120 Millimeters
Load Capacity	520 Pounds
Tread Depth	5 Millimeters
Tread Type	Asymmetrical
Rim Width	17 Inches
Tire Diameter	34 inches
Item Weight	9.98 Pounds
Seasons	Year Round
Manufacturer Part Number	2291900

## 4. SETUP (INSTALLATION)

Proper installation of a motorcycle tire is critical for safety and performance. It is highly recommended that tire mounting and balancing be performed by a qualified professional motorcycle technician using appropriate tools and equipment.

### 4.1 Pre-Installation Checks

- Verify that the tire size and specifications match your motorcycle manufacturer's recommendations.
- Inspect the tire for any shipping damage or manufacturing defects before mounting.
- Ensure the wheel rim is clean, free from damage, and compatible with tubeless tires if applicable.

### 4.2 Mounting and Balancing

- Use proper tire mounting lubricants and tools to avoid damage to the tire bead or rim.
- Ensure the tire is mounted with the correct rotation direction, indicated by an arrow on the sidewall.
- Balance the wheel and tire assembly using a dynamic balancer to prevent vibrations and ensure even wear.
- Inflate the tire to the pressure recommended by your motorcycle manufacturer, not the maximum pressure listed on the tire sidewall.

## 5. OPERATING GUIDELINES

## 5.1 Break-in Period

New tires require a break-in period of approximately 100-200 miles (160-320 km) to allow the tire's surface to scuff in and remove any mold release agents. During this period, avoid aggressive acceleration, hard braking, and extreme lean angles.

## 5.2 Tire Pressure

Maintain correct tire pressure as specified in your motorcycle's owner's manual. Check tire pressure frequently (at least weekly) when the tires are cold. Incorrect tire pressure can lead to poor handling, reduced tire life, and increased risk of tire failure.

## 5.3 Riding Conditions

While the Diablo Rosso 2 is designed for versatility, adjust your riding style to suit road conditions, especially in wet or cold weather. Reduce speed and increase following distance in adverse conditions.

# 6. MAINTENANCE

## 6.1 Regular Inspection

- Regularly inspect the tire for signs of wear, cuts, punctures, or embedded objects.
- Check tread depth. Replace the tire when the tread wears down to the minimum legal limit or when wear indicators become visible.
- Examine the sidewalls for cracks, bulges, or other damage.

## 6.2 Cleaning and Storage

- Clean tires with mild soap and water. Avoid harsh chemicals or petroleum-based products that can degrade rubber.
- When storing a motorcycle for an extended period, ensure the tires are off the ground or rotate them periodically to prevent flat spots. Store in a cool, dry place away from direct sunlight and ozone-producing equipment.

# 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your motorcycle tire.

## 7.1 Uneven Tire Wear

- **Cause:** Incorrect tire pressure, improper wheel alignment, unbalanced wheel, worn suspension components.
- **Solution:** Verify and adjust tire pressure regularly. Have wheel alignment and balancing checked by a professional. Inspect and replace worn suspension parts.

## 7.2 Loss of Tire Pressure

- **Cause:** Puncture, leaky valve stem, damaged rim, bead leak.
- **Solution:** Inspect the tire for punctures. Check the valve stem for leaks. If a puncture is found, consult a professional for repair or replacement. Do not attempt to repair sidewall punctures.

## 7.3 Vibrations or Wobbling

- **Cause:** Unbalanced wheel, bent rim, tire defect, loose wheel bearings.
- **Solution:** Have the wheel re-balanced. Inspect the rim for damage. If the tire is suspected to be defective, contact the manufacturer or dealer. Check and tighten wheel bearings if necessary.

## 8. WARRANTY INFORMATION

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Pirelli tires are covered by a limited warranty against defects in materials and workmanship. For specific details regarding the warranty period, coverage, and claims process, please refer to the official Pirelli website or contact your authorized Pirelli dealer. Keep your purchase receipt as proof of purchase.

## 9. CUSTOMER SUPPORT

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For further assistance, technical inquiries, or support, please contact Pirelli customer service through their official website or consult an authorized Pirelli dealer. Always provide your tire's model number (PIRELLI 2291900) and any relevant purchase information when seeking support.

You can find more information and contact details on the official Pirelli website: [www.pirelli.com](http://www.pirelli.com)