

Shinko 520

Shinko 520 Series Rear Tire User Manual

Model: 520 Series | Size: 100/90-19

1. PRODUCT OVERVIEW

The Shinko 520 Series Rear Tire is engineered for off-road motorcycle applications, specifically designed to perform optimally in intermediate to hard terrain conditions. Its construction features a high carbon compound and a directional tread pattern, providing durability and traction. This tire is a tube-type design and is classified as NHS (Not for Highway Service), meaning it is intended exclusively for off-road use.



Image 1.1: The Shinko 520 Series Rear Tire. This image displays the tire's robust construction and the distinct, aggressive knobby tread pattern designed for off-road traction.

2. INSTALLATION GUIDELINES

Proper installation is crucial for tire performance and safety. It is highly recommended that tire installation be performed by a qualified professional using appropriate tools and techniques.

2.1 Pre-Installation Checks

- Verify that the tire size (100/90-19) and specifications match your motorcycle's requirements.
- Inspect the tire for any manufacturing defects or shipping damage before mounting.
- Ensure the rim is clean, free of damage, and compatible with a tube-type tire.

2.2 Mounting Procedure

1. Lubricate the tire beads and rim edges with a suitable tire mounting lubricant.
2. Insert the inner tube into the tire, ensuring it is not twisted. Lightly inflate the tube to give it shape.
3. Carefully mount one bead of the tire onto the rim.
4. Position the valve stem through the rim hole.
5. Mount the second bead onto the rim, taking care not to pinch the inner tube.

6. Inflate the tire to the recommended seating pressure to ensure both beads are properly seated on the rim. Listen for two distinct pops as the beads seat.
7. Adjust the tire pressure to the recommended operating pressure for your specific riding conditions.

Important Note: This tire is NHS (Not for Highway Service). Do not use this tire on public roads or highways.

3. OPERATING AND USAGE

The Shinko 520 Series Rear Tire is designed for optimal performance in off-road environments. Understanding its characteristics will enhance your riding experience.

3.1 Intended Terrain

This tire excels in intermediate to hard terrain. Its directional tread pattern and reinforced knobs are engineered to provide grip and resist tearing and chunking on varied surfaces, including rocks, hard-packed dirt, and loose topsoil. While it offers good traction in these conditions, its performance in deep mud or very soft sand may vary.

3.2 Tire Pressure

Optimal tire pressure is critical for performance, handling, and tire longevity. Recommended pressures can vary based on rider weight, motorcycle type, and specific terrain. Experimentation within safe limits may be necessary to find the ideal pressure for your riding style. Lower pressures can increase the tire's contact patch and improve traction on technical terrain, but may also increase the risk of pinch flats or rim damage. Higher pressures are generally better for harder surfaces or higher speeds within off-road limits.

Warning: This tire is M-rated for speeds up to 81 mph. Exceeding this speed rating can lead to tire failure. Always adhere to the NHS (Not for Highway Service) designation.

4. MAINTENANCE

Regular maintenance extends the life of your tire and ensures consistent performance.

- **Tire Pressure:** Check tire pressure before each ride. Adjust as needed based on terrain and load.
- **Visual Inspection:** Regularly inspect the tire for cuts, punctures, cracks, or embedded objects. Pay close attention to the knobs for signs of excessive wear, tearing, or chunking.
- **Tread Wear:** Monitor tread depth. Replace the tire when the tread is worn down to the wear indicators or when traction significantly diminishes.
- **Cleaning:** After riding, clean the tire to remove dirt, mud, and debris. This helps prevent material buildup that could hide damage or accelerate wear.
- **Storage:** Store tires in a cool, dry place away from direct sunlight, chemicals, and ozone-producing equipment (e.g., electric motors).

5. TROUBLESHOOTING

This section addresses common issues that may arise during the use of your Shinko 520 Series Rear Tire.

5.1 Poor Traction / Slipping

- **Incorrect Tire Pressure:** Both over-inflation and under-inflation can lead to poor traction. Adjust pressure according to terrain and rider preference. For very technical or rocky terrain, slightly lower pressures (e.g., 1.5-3 PSI) might improve grip, but increase risk of rim damage or pinch flats.

- **Worn Tread:** If the tire's knobs are significantly worn, its ability to grip will be reduced. Consider tire replacement.
- **Unsuitable Terrain:** While designed for intermediate to hard terrain, this tire may not provide optimal traction in extremely soft sand or deep, slick mud.

5.2 Rapid Wear or Knob Damage

- **Aggressive Riding Style:** Frequent hard acceleration, braking, or sliding can accelerate wear.
- **Over-inflation:** Can lead to premature wear in the center of the tread.
- **Sharp Objects/Terrain:** While reinforced, extreme terrain with sharp rocks or roots can still cause damage. Regular inspection is key.

6. SPECIFICATIONS

Specification	Detail
Brand	Shinko
Model	520 Series
Size	100/90-19
Section Width	100 Millimeters
Rim Width	19 Inches
Tire Diameter	100 Inches
Ply Rating	2-Ply (4-ply construction)
Tread Type	Directional
Construction Type	Multi-Ply
Speed Rating	M (up to 81 mph)
Service Type	Tube Type
Highway Use	NHS (Not for Highway Service)
Item Weight	14.4 ounces
UPC	182682853805
Manufacturer Part Number	87-4337



7. WARRANTY AND SUPPORT

For specific warranty information regarding the Shinko 520 Series Rear Tire, please refer to the documentation provided at the time of purchase or contact the authorized Shinko dealer or manufacturer directly. Warranty terms typically cover manufacturing defects.

For technical support or further inquiries, please reach out to your tire retailer or the official Shinko customer service channels.

Related Documents - 520

<div>プラグイン形 デジタル指示電導度/SS 計 WIL-101-TU 取扱説明書</div> <div></div> <div>SHINKO</div>	<div>WIL-101-TU /SS</div> <div>SHINKO WIL-101-TU /SS</div>
<div>Plug-in Type Digital Indicating Conductivity Meter WIL-102-ECL (Low Consumption) Instruction Manual</div> <div></div> <div>SHINKO</div>	<div>Shinko WIL-102-ECL Digital Indicating Conductivity Meter Instruction Manual</div> <div>Instruction manual for the Shinko WIL-102-ECL Plug-in Type Digital Indicating Conductivity Meter. Covers installation, wiring, setup, calibration, measurement, communication, specifications, and troubleshooting.</div>
<div>Plug-in Type Digital Indicating Resistivity Meter WIL-102-SE Instruction Manual</div> <div></div> <div>SHINKO</div>	<div>Shinko WIL-102-SE Plug-in Type Digital Indicating Resistivity Meter Instruction Manual</div> <div>This instruction manual provides detailed information on the Shinko WIL-102-SE Plug-in Type Digital Indicating Resistivity Meter, covering mounting, functions, operations, wiring, calibration, specifications, and troubleshooting.</div>
<div>Plug-in Type Digital Indicating Resistivity Meter WIL-102-SE Instruction Manual</div> <div></div> <div>SHINKO</div>	<div>Shinko WIL-102-SE Instruction Manual: Digital Resistivity Meter Guide</div> <div>Comprehensive instruction manual for the Shinko WIL-102-SE Plug-in Type Digital Indicating Resistivity Meter. Covers installation, operation, setup, calibration, specifications, troubleshooting, and communication protocols for industrial resistivity measurement.</div>

<div data-bbox="165 112 261 152"><p>PLC INTERFACE UNIT SIF-600 INSTRUCTION MANUAL</p></div> <div data-bbox="199 170 228 246"></div> <div data-bbox="193 327 234 342"><p>Shinko</p></div>	<div data-bbox="341 237 960 266"><p>Shinko SIF-600 PLC Interface Unit: Instruction Manual</p></div> <div data-bbox="341 280 1445 387"><p>This comprehensive instruction manual details the Shinko SIF-600 PLC Interface Unit, covering installation, setup, operation, and troubleshooting for industrial automation applications. Essential for safe and effective use.</p></div>
<div data-bbox="153 577 277 584"><p>Microcomputer Digital Indicating Temperature Controller</p></div> <div data-bbox="156 607 271 647"><p>DIGITAL INDICATING CONTROLLER ACS2 INSTRUCTION MANUAL</p></div> <div data-bbox="180 701 252 770"></div> <div data-bbox="193 808 234 824"><p>Shinko</p></div>	<div data-bbox="341 656 1026 685"><p>Shinko ACS2 Digital Indicating Controller Instruction Manual</p></div> <div data-bbox="341 698 1453 766"><p>Detailed instruction manual for the Shinko ACS2 Digital Indicating Controller, covering installation, wiring, operation, settings, and troubleshooting for industrial temperature control applications.</p></div>