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### Atlodas 100#-Medium Coarse

# Atlodas Angle Grinder Wheel 100#-Medium Coarse Instruction Manual

## 1. Product Overview

The Atlodas Angle Grinder Wheel 100#-Medium Coarse is designed for efficient grinding and polishing tasks. This wheel is constructed from a durable blend of emery and silicon carbide particles, ensuring a long service life and high material removal rates. Its robust design provides double thickness and enhanced durability for various applications.



Figure 1: Overview of the Atlodas Angle Grinder Wheel, showcasing its conical shape and threaded center.

The wheel's composition with large emery particles facilitates effective sanding and polishing, resulting in a fast and smooth finish on various materials. Its Type 11 shape is specifically engineered for maximum surface grinding coverage.




Figure 2: Illustration highlighting the emery and silicon carbide particle composition of the grinding wheel, indicating its abrasive properties.




Figure 3: Visual representation of the grinding wheel's key attributes: strong stability, high explosion-proof design, emery material, high precision, and overall durability.

## 2. Setup and Installation

This grinding wheel is specifically designed for 100-type angle grinders. It features a copper thread for direct installation onto compatible angle grinders, simplifying the setup process.

1. **Prepare the Angle Grinder:** Ensure your angle grinder is unplugged and the power switch is in the 'off' position before beginning installation.
2. **Attach the Splint:** Install the original splint (typically 16mm) onto the angle grinder spindle. The splint should be properly seated to provide a stable base for the grinding wheel.
3. **Mount the Grinding Wheel:** Align the grinding wheel with the angle grinder spindle and thread it securely. The copper thread on the wheel allows for direct attachment.
4. **Check Stability:** After installation, perform an idling test. Run the angle grinder briefly without applying it to a workpiece to ensure the wheel is stable and properly secured. Do not proceed with operation if any wobbling or instability is observed.




Figure 4: Diagram illustrating the correct installation procedure, showing the 16mm splint and the grinding wheel attachment.




Figure 5: Visual representation of the grinding wheel installed on an angle grinder, highlighting the straightforward installation process.

## 3. Operating Instructions

The Atlodas Angle Grinder Wheel is versatile and suitable for a range of grinding and polishing applications. Always wear appropriate personal protective equipment (PPE), including eye protection, gloves, and hearing protection, when operating an angle grinder.

- **Grinding Stone:** This wheel is highly effective for grinding and shaping various types of stone. Apply steady, even pressure and move the grinder consistently across the surface.
- **Sharpening Tools:** It can be used for sharpening worn axe blades, knife blades, and other similar tools. Maintain a consistent angle to achieve a sharp edge.
- **Surface Finishing:** The wheel effectively smooths and finishes surfaces or contours, providing a refined appearance.
- **Safety Precautions:** Ensure the workpiece is securely clamped. Avoid excessive force, which can damage the wheel or the workpiece. Allow the grinder to reach full speed before making contact with the material.




Figure 6: Examples of the grinding wheel in operation, demonstrating its application for grinding stones, axe blades, and other tools.

## 4. Care and Maintenance

Proper care and maintenance will extend the life of your Atlodas Angle Grinder Wheel.

- **Cleaning:** After each use, carefully clean any dust or debris from the grinding wheel and the angle grinder. Use a brush or compressed air.
- **Storage:** Store the grinding wheel in a dry, cool place, away from direct sunlight and moisture. Protect it from impacts that could cause chipping or cracking.
- **Inspection:** Regularly inspect the wheel for signs of wear, damage, or cracks. Replace the wheel immediately if any damage is observed. Do not use a damaged grinding wheel.

## 5. Troubleshooting

While the Atlodas Angle Grinder Wheel is designed for reliable performance, issues may occasionally arise. Here are some general troubleshooting tips:

- **Excessive Vibration:** If the angle grinder vibrates excessively during operation, immediately stop use. Check if the grinding wheel is securely mounted and balanced. Ensure the splint is correctly installed. A damaged or unbalanced wheel must be replaced.
- **Poor Grinding Performance:** If the wheel is not grinding effectively, check if it is worn out or if the grit is appropriate for the material being worked on. Ensure you are applying adequate, but not excessive, pressure.
- **Overheating:** If the wheel or workpiece overheats, reduce the pressure and allow the wheel to cool. Ensure proper ventilation around the workpiece.

For persistent issues not resolved by these steps, please contact customer support.

## 6. Specifications

| Specification | Detail |
|---|---|
| Material | Silicon Carbide, Emery |
| Grit Number | 100 (Medium Coarse) |
| Item Thickness | 50 Millimeters |
| Product Dimensions (L x W) | 3" x 3" (approx. 75mm bottom diameter, 50mm height) |
| Inner Diameter | 16/24mm (for spindle attachment) |
| Compatible Devices | 100 Type Angle Grinder |
| Brand | Atlodas |
| Manufacturer | LFSSSW-US |
| ASIN | B0D7VFWZB9 |

## 7. Customer Support

Atlodas is committed to providing excellent customer service. If you encounter any questions or issues with your angle grinder wheel, please do not hesitate to contact us. We aim to resolve any problems promptly and efficiently.

- **Contact Method:** Please reach out to us through your order information or via email.
- **Response Time:** We strive to respond to all inquiries within 24 hours.


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