

BIHUI DCWDE5

Grinding Dust Extractor Instruction Manual

Brand: BIHUI | Model: DCWDE5

1. PRODUCT OVERVIEW

The BIHUI Grinding Dust Extractor is an essential accessory designed to significantly reduce dust during grinding operations. This attachment is compatible with 4.5-inch to 5-inch cup wheels and integrates seamlessly with most angle grinders, providing a cleaner and safer working environment. It includes a set of universal connectors and a dedicated rubber adapter for vacuum cleaner attachment.

- Works with 4-1/2" and 5" cup wheels.
- Features universal connectors for a wide range of angle grinders.
- Equipped with a quick-release lock for easy attachment and removal.
- Includes a rubber adapter for direct connection to a vacuum cleaner.



Figure 1.1: The BIHUI Grinding Dust Extractor, including the main unit, four universal connectors, and a vacuum hose adapter.

2. SAFETY INFORMATION

Always prioritize safety when operating power tools and accessories. Failure to follow these instructions may result in serious injury or property damage.

- **Read Manuals:** Always read and understand the instruction manual for your angle grinder before

attaching or using the dust extractor.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, hearing protection, and a dust mask or respirator, especially when grinding.
- **Ventilation:** Ensure adequate ventilation in your work area. Even with a dust extractor, some fine particles may become airborne.
- **Secure Attachment:** Ensure the dust extractor is securely attached to the angle grinder and the vacuum hose is firmly connected before operation.
- **Power Disconnection:** Disconnect the angle grinder from the power source before making any adjustments, changing accessories, or performing maintenance.
- **Inspect Equipment:** Before each use, inspect the dust extractor and angle grinder for any damage, loose parts, or wear. Do not use damaged equipment.
- **Proper Use:** Use the dust extractor only for its intended purpose: dust collection during angle grinding with compatible cup wheels.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon opening the package:

- 1 x BIHUI Grinding Dust Extractor Unit
- 4 x Universal Connectors (various sizes)
- 1 x Rubber Vacuum Adapter



Figure 3.1: All components included in the BIHUI Grinding Dust Extractor package.

4. SETUP AND ASSEMBLY

Follow these steps to properly attach the dust extractor to your angle grinder and connect it to a vacuum system.

1. **Prepare Angle Grinder:** Ensure your angle grinder is unplugged. Remove any existing guards or accessories from the grinder's spindle.
2. **Select Universal Connector:** Choose the universal connector that best fits the collar of your angle grinder. The kit includes various sizes to ensure compatibility.
3. **Install Connector:** Place the selected universal connector onto the angle grinder's collar.
4. **Attach Dust Extractor:** Slide the BIHUI Grinding Dust Extractor onto the universal connector. Secure it in place using the quick-release lock mechanism. Ensure it is firmly seated and does not wobble.

5. **Connect Vacuum Adapter:** Insert the rubber vacuum adapter into the dust port of the extractor.
6. **Connect Vacuum Hose:** Attach your vacuum cleaner hose to the rubber vacuum adapter. Ensure a tight seal for optimal dust collection.



Figure 4.1: The dust extractor securely attached to an angle grinder, ready for vacuum connection.



CONNECTS EASY TO A VACUUM CLEANER

Figure 4.2: Detail showing the easy connection of a vacuum cleaner hose to the dust extractor's port.

5. OPERATION

Once the dust extractor is properly assembled and connected, you can begin your grinding task with significantly reduced dust.

- 1. Power On Vacuum:** Before starting the angle grinder, turn on your vacuum cleaner to ensure immediate dust extraction.
- 2. Begin Grinding:** Power on your angle grinder and proceed with your grinding work as usual. The dust extractor's brush base will contain the dust, directing it into the vacuum system.
- 3. Edge Grinding:** The dust extractor features a movable guard that can be adjusted to allow grinding closer to edges and walls. Carefully adjust this guard as needed for specific tasks.
- 4. Monitor Dust Collection:** Periodically check your vacuum cleaner's dust bag or canister and empty it as necessary to maintain optimal suction.
- 5. Finish Work:** Once grinding is complete, turn off the angle grinder first, then allow the vacuum to run for a few more seconds to clear any remaining dust from the hose and extractor.



WITHOUT DUST EXTRACTOR GRINDING

Figure 5.1: Illustration of grinding without a dust extractor, highlighting the amount of airborne dust generated.



WITH DUST EXTRACTOR GRINDING

Figure 5.2: Grinding with the BIHUI dust extractor, demonstrating effective dust containment and a cleaner work area.



BRUSH BASE PROVIDES SUPPORT FOT A CUSHION ACTION

Figure 5.3: The brush base of the dust extractor provides stable support and helps contain dust during operation.



Figure 5.4: The movable guard allows for efficient grinding up to walls and edges, maximizing dust collection in tight spaces.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your dust extractor.

- **Cleaning:** After each use, disconnect the dust extractor from the angle grinder and vacuum. Use a brush or compressed air to remove any accumulated dust from the interior and exterior surfaces, especially around the brush skirt and dust port.
- **Inspect Brushes:** Periodically inspect the brush skirt for wear or damage. Worn brushes can reduce dust collection efficiency. Replace if necessary.
- **Check Connectors:** Ensure the universal connectors and rubber vacuum adapter are free from debris and maintain a snug fit. Clean if necessary.
- **Storage:** Store the dust extractor in a clean, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your dust extractor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Poor dust collection	Vacuum not powerful enough; Vacuum bag/canister full; Loose vacuum connection; Worn brush skirt; Clogged dust port.	Use a higher-powered vacuum; Empty/clean vacuum; Secure vacuum hose connection; Replace brush skirt; Clear dust port.
Extractor does not fit angle grinder	Incorrect universal connector used; Grinder collar size incompatible.	Try a different universal connector from the kit; Ensure your angle grinder's collar diameter is within the compatible range (refer to specifications).
Extractor wobbles on grinder	Quick-release lock not fully engaged; Incorrect connector size.	Ensure quick-release lock is fully tightened; Verify the correct universal connector is used for a snug fit.

8. SPECIFICATIONS

Key technical specifications for the BIHUI Grinding Dust Extractor (Model: DCWDE5).

Attribute	Detail
Model Number	DCWDE5
Compatible Cup Wheel Sizes	4-1/2 inches (115mm) to 5 inches (125mm)
Item Weight	1.43 pounds (650 Grams)
Manufacturer	Bihui
Part Number	6970431875819
Batteries Required	No



Figure 8.1: Dimensional overview of the BIHUI Grinding Dust Extractor, indicating key measurements for compatibility.

9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the manufacturer's official website or contact the retailer from whom the product was purchased. Keep your proof of purchase for any warranty claims.

Manufacturer: Bihui

For further assistance, please visit the BIHUI official website or contact their customer service department.

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Related Documents - DCWDE5

 <p>Mini Cordless Angle Grinder</p> <p>The product information page for the BIHUI Mini Cordless Angle Grinder, featuring a large image of the tool, a detailed description, and links to related products and accessories.</p> <p>BIHUI Genesis</p>	<p>BIHUI Mini Cordless Angle Grinder: Powerful, Portable, Professional Tool</p> <p>Explore the BIHUI Mini Cordless Angle Grinder (BU-AGMN3M), a high-performance, portable tool for professional artisans. Details include specifications, included accessories, and contact information for BIHUI and Genesis.</p>
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 BIHUI Automatic Cutting Machine 	<p>BIHUI TCSA1200 Automatic Cutting Machine: Usage Instructions and Safety Guide</p> <p>Comprehensive usage instructions, safety warnings, and specifications for the BIHUI TCSA1200 Automatic Cutting Machine. Learn how to operate, maintain, and ensure safety when using this tile cutting equipment.</p>
 BIHUI Electric Cutting System XXL2.0 	<p>BIHUI Electric Cutting System XXL2.0: Usage Instructions and Safety Guide</p> <p>Discover comprehensive usage instructions for the BIHUI Electric Cutting System XXL2.0. This guide details product application, assembly, operation, safety precautions, maintenance, and spare parts for efficient and safe cutting.</p>
 BIHUI Self-levelling Green Beam Laser Level 	<p>Bihui LLG16 Self-levelling Green Beam Laser Level User Manual</p> <p>Comprehensive user manual for the Bihui LLG16 Self-levelling Green Beam Laser Level, covering product overview, operation, safety, maintenance, and specifications. Features include TFT display, self-levelling, and IP54 rating.</p>
 BIHUI 8" Battery Powered Vacuum Suction Cup 	<p>BIHUI SCBC8-M 8" Battery Powered Vacuum Suction Cup - Usage Instructions</p> <p>Comprehensive usage instructions for the BIHUI SCBC8-M 8" Battery Powered Vacuum Suction Cup. Covers safety warnings, application details, operation modes, maintenance, inspection, and warranty information for professional tiling and material handling.</p>
 BIHUI Автоматична машина за рязане 	<p>BIHUI Автоматична машина за рязане - Ръководство на потребителя</p> <p>Пълно ръководство на потребителя за автоматичната машина за рязане BIHUI, включващо инструкции за безопасност, употреба, поддръжка и спецификации на моделите.</p>