Makita A-95065

Makita A-95065 4-inch Continuous Rim Diamond Blade User Manual

1. Overview

The Makita A-95065 is a 4-inch (105mm) continuous rim diamond blade designed for general purpose cutting applications. This blade is engineered for efficient and smooth cutting of various materials, including tile, porcelain, and stone. Its continuous rim design contributes to cleaner cuts and reduced chipping, making it suitable for finish work.

This manual provides essential information for the safe installation, operation, and maintenance of your Makita A-95065 diamond blade to ensure optimal performance and longevity.

2. Safety Guidelines

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

- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses or goggles, hearing protection, and a dust mask or respirator. Heavy-duty gloves are also recommended.
- **Inspect Blade Before Use:** Before each use, inspect the diamond blade for any cracks, chips, or damage. Never use a damaged blade.
- **Ensure Proper Tool Compatibility:** Use this blade only with power tools designed for its size and maximum RPM rating. Ensure the tool's arbor matches the blade's arbor size.
- **Secure Workpiece:** Always secure the material being cut to prevent movement during operation.
- **Maintain a Clean Work Area:** Keep your work area clear of clutter and ensure adequate lighting.
- **Read Power Tool Manual:** Always refer to the instruction manual of your power tool for specific safety warnings and operating procedures.
- **Avoid Forcing the Cut:** Allow the blade to do the work. Excessive pressure can lead to overheating, premature wear, and potential kickback.
- **Wet or Dry Cutting:** This blade is suitable for both wet and dry cutting. When wet cutting, ensure proper water flow to cool the blade and suppress dust. When dry cutting, take frequent breaks to allow the blade to cool.

3. Product Features

The Makita A-95065 diamond blade incorporates several design elements for enhanced performance and durability:

- **Optimum Bond Matrix:** Provides a faster, longer, and smoother cutting experience.
- **Superior Quality Steel Core:** Ensures stability and durability during demanding applications.
- **Laser Welded Diamonds:** The diamonds are laser welded to the blade, ensuring the strongest possible joint for maximum durability and safety.
- **High Quality Diamonds:** Utilizes premium diamonds for efficient material removal and extended blade life.
- **Continuous Rim Design:** Delivers smooth, chip-free cuts, ideal for delicate materials like tile and porcelain.

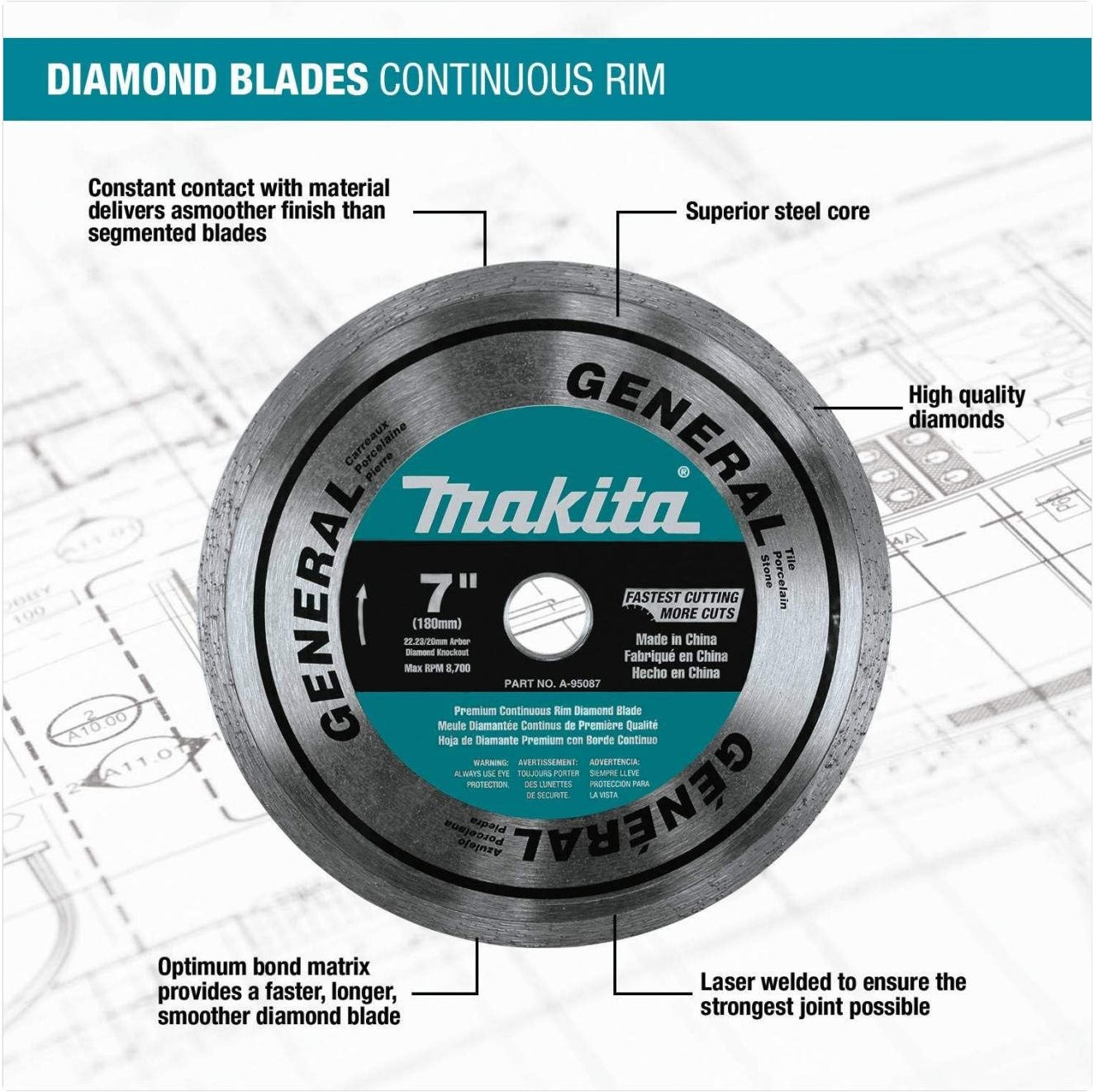


Image 3.1: Makita A-95065 Diamond Blade with key features such as superior steel core, high quality diamonds, optimum bond matrix, and laser welding highlighted.

4. Setup and Installation

Proper installation is critical for safe and effective operation of the diamond blade.

1. **Power Off and Unplug:** Before attempting any installation or adjustment, ensure your power tool is switched off and unplugged from the power source.
2. **Consult Tool Manual:** Refer to your power tool's instruction manual for specific blade installation procedures and safety warnings.
3. **Identify Blade and Packaging:** The Makita A-95065 blade comes in distinct packaging for easy identification.



Image 4.1: The Makita A-95065 4-inch Continuous Rim Diamond Blade shown in its retail packaging.

4. **Match Arbor Size:** Ensure the blade's arbor hole (22.23mm or 20mm with knockout) matches the arbor of your power tool.
5. **Mount Blade Correctly:** Place the blade onto the tool's arbor, ensuring it is seated flush against the inner flange. The directional arrow on the blade (if present) should match the rotation direction of the tool.



Image 4.2: The Makita A-95065 4-inch Continuous Rim Diamond Blade, showing its general purpose designation, size, arbor, and maximum RPM.

6. **Secure Outer Flange and Nut:** Install the outer flange and tighten the arbor nut securely using the appropriate wrench. Do not overtighten.
7. **Test Run:** After installation, briefly run the tool at no load to check for proper blade rotation and any unusual vibrations. If any issues are observed, power off immediately and re-inspect the installation.

5. Operating Instructions

Follow these guidelines for effective and safe cutting with your diamond blade:

- **Start Slowly:** Begin the cut by gently touching the blade to the material. Avoid sudden impacts.
- **Maintain Consistent Pressure:** Apply steady, moderate pressure. Let the blade's diamonds do the cutting. Excessive force can reduce blade life and cutting efficiency.
- **Control Depth of Cut:** For thicker materials, consider making multiple shallow passes rather than one deep cut, especially for dry cutting.
- **Wet Cutting for Optimal Performance:** For best results and extended blade life, especially with hard materials, use wet cutting methods. Water cools the blade, reduces dust, and prevents overheating.

- **Dry Cutting Considerations:** When dry cutting, allow the blade to cool periodically by running it freely in the air for a few seconds every 30-60 seconds of cutting. Avoid continuous dry cutting for extended periods.
- **Avoid Side Pressure:** Do not apply side pressure to the blade, as this can cause warping, damage, or kickback.
- **Finish the Cut:** Ensure the cut is complete before removing the blade from the material.

6. Maintenance and Care

Regular maintenance ensures the longevity and performance of your diamond blade.

- **Clean After Use:** Remove any accumulated dust or debris from the blade using a brush or compressed air. For wet cutting, rinse the blade thoroughly and dry it to prevent rust.
- **Inspect for Wear:** Regularly check the diamond segments for excessive wear, chipping, or loss of diamonds. A worn blade will cut slowly and inefficiently.
- **Storage:** Store the blade in a dry, protected area to prevent damage and corrosion. Keep it away from moisture and extreme temperatures.
- **Blade Dressing:** If the blade's cutting performance decreases, it may be 'glazed' (diamonds are no longer exposed). Cut into an abrasive material like an old concrete block or a dressing stick to expose fresh diamonds and restore cutting ability.

7. Troubleshooting Common Issues

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Slow Cutting / Blade Not Cutting	Blade is glazed or dull; insufficient power tool RPM; incorrect blade for material.	Dress the blade to expose new diamonds; ensure tool RPM matches blade requirements; verify blade is suitable for the material.
Excessive Chipping	Too much pressure; incorrect cutting technique; blade not suitable for delicate material.	Reduce cutting pressure; use wet cutting; ensure continuous rim blade is used for finish cuts.
Blade Overheating	Lack of cooling (dry cutting too long); excessive pressure; cutting too deep.	Use wet cutting; allow blade to cool frequently during dry cutting; reduce pressure and depth of cut.
Excessive Vibration	Improperly mounted blade; damaged blade; worn tool arbor.	Re-mount blade correctly; inspect blade for damage and replace if necessary; inspect tool arbor for wear.

8. Technical Specifications

Specification	Detail
Model Number	A-95065
Blade Diameter	4 inches (105mm)
Arbor Size	22.23mm / 20mm (Diamond Knockout)

Specification	Detail
Max RPM	15,300
Rim Type	Continuous Rim
Application	General Purpose (Tile, Porcelain, Stone)
Cutting Method	Wet or Dry
Material	Diamond, Steel
Item Weight	0.16 ounces (approx.)
Product Dimensions	0.19 x 5.75 x 6.73 inches (packaging)

9. Warranty and Customer Support

This Makita A-95065 diamond blade is covered by Makita's Limited Warranty. For specific details regarding warranty coverage, terms, and conditions, please refer to the documentation included with your purchase or visit the official Makita website.

For further assistance, technical support, or to locate an authorized service center, please contact Makita customer service or visit their official brand store:

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