

Cricut 2003918

Cricut Knife Blade and Drive Housing Instruction Manual

Model: 2003918

Brand: Cricut

1. INTRODUCTION

The Cricut Knife Blade and Drive Housing is a specialized tool designed for the Cricut Maker cutting machine, enabling precise cuts on a wide variety of thicker and denser materials. This premium 12mm carbide steel blade is engineered for durability and accuracy, making it an essential accessory for advanced crafting projects.

It is ideal for creating projects with added dimensions, such as puzzles, models, and leather goods, by cutting materials like balsa wood, basswood, tooling leather, garment leather, Cricut chipboard, and matboard.



The Cricut Knife Blade and Drive Housing, ready for use.

2. PRODUCT OVERVIEW

The Cricut Knife Blade and Drive Housing expands your creative possibilities by providing seamless and precise cuts on challenging materials. Its hard and durable German steel construction ensures longevity and consistent performance.

- **Enhanced Precision:** Designed for intricate details and images larger than 0.75 inches.
- **Durable Construction:** Features a premium 12mm carbide steel blade for extended use.
- **Versatile Cutting:** Capable of cutting materials up to 3/32" balsa wood, 1/16" basswood, 7oz tooling leather, 5oz garment leather, 2mm Cricut chipboard, 2-ply or 4-ply matboard, and 3mm craft foam.



The Cricut Knife Blade resting on a piece of leather, demonstrating its capability with various materials.

3. COMPATIBILITY

The Cricut Knife Blade and Drive Housing is exclusively compatible with the **Cricut Maker** cutting machine. It requires the use of a computer or laptop with the Design Space software for operation. Please note that Knife Blade projects are not compatible with iOS and Android devices.

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A chart illustrating the compatibility of different Cricut blades, including the Knife Blade, with various Cricut cutting machines.

4. SETUP

1. **Prepare Your Machine:** Open your Cricut Maker machine. Ensure the star wheels on the roller bar are moved all the way to the right to prevent impressions on your material.
2. **Insert the Knife Blade:** Open Clamp B on your Cricut Maker. Carefully insert the Knife Blade and Drive Housing into Clamp B until it clicks into place. Close the clamp securely.
3. **Load Material:** Place your chosen material onto a StrongGrip Mat. For best results with thicker materials, secure the material to the mat using masking tape on all four sides.
4. **Calibration (First Use Recommended):** For optimal precision, especially during the first use, calibrate the Knife Blade through the Design Space software. Follow the on-screen prompts to use a sheet of printer paper for calibration.



A hand demonstrating the insertion of the Cricut Knife Blade into the Clamp B of a Cricut Maker machine.

Setup Video Guide:

Your browser does not support the video tag.

A detailed guide on unboxing, installing, and performing the first cut with the Cricut Knife Blade on a Cricut Maker 3 machine, including calibration steps.

5. OPERATING INSTRUCTIONS

1. **Design in Design Space:** Create or select your design in Cricut Design Space on your desktop computer. Ensure your design is suitable for the Knife Blade (images or details larger than 0.75 inches).
2. **Select Material Settings:** In Design Space, select the appropriate material setting for your project (e.g., 1.5mm Matboard, 2mm Chipboard). The software will automatically adjust the number of passes required for a clean cut.
3. **Load Mat:** Load the StrongGrip Mat with your material into the Cricut Maker machine.
4. **Start Cutting:** Follow the prompts in Design Space to begin the cutting process. The Knife Blade will perform multiple passes to cut through the material. This process can take a significant amount of time depending on the material and complexity of the design. Ensure your computer does not go to sleep during this process.
5. **Unload Material:** Once cutting is complete, Design Space will prompt you to check the cut. If satisfactory, unload the mat from the machine. Carefully remove the cut material from the StrongGrip Mat using appropriate tools to avoid damage.

Which Cricut® blade do I need?

 Fine-Point Blade Great value. Cuts a wide variety of materials, including iron-on, paper, and vinyl.	 Knife Blade Slices through thicker and denser materials, including leather, Cricut Chipboard, and wood.
 Premium Fine-Point Blade Long lasting. Cuts a wide variety of materials, resists wear and breakage.	 Rotary Blade Cut highly delicate, soft, or flexible materials without backing.
 Bonded-Fabric Blade Cuts both basic and intricate designs in bonded fabric and felt.	 Single Scoring Wheel Creates extra-deep single score lines for perfect folds on light to medium-weight materials.
 Deep-Point Blade Cuts through most material up to 1.5 mm thick, including magnet sheets, and stiffened felt.	 Double Scoring Wheel Creates extra-deep double score lines for perfect folds in heavyweight materials.

A Cricut Maker machine with a material mat loaded, ready for cutting with the Knife Blade.

Operation Video Guide:

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This video demonstrates the ease of use and effectiveness of the Cricut Knife Blade for cutting wood designs, highlighting its precision and clean cuts.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Cricut Knife Blade, regular maintenance is recommended:

- **Clean the Blade:** After each use, carefully remove any debris or material residue from the blade using a soft brush or cloth.
- **Inspect for Damage:** Periodically check the blade for any signs of dullness, bending, or damage. A dull blade can lead to poor cut quality and potential damage to your material.
- **Replace When Necessary:** The Knife Blade is a consumable item and will eventually dull. Replace the blade

when you notice a decrease in cut quality, even after cleaning. Replacement blades are available separately.

- **Proper Storage:** Store the Knife Blade in its protective cap or within the Cricut Maker machine's tool storage when not in use to prevent accidental damage or injury.



An assortment of Cricut blades, including the Knife Blade, displayed on a cutting mat.

7. TROUBLESHOOTING

If you encounter issues while using your Cricut Knife Blade, consider the following:

- **Poor Cut Quality:** Ensure the blade is clean and sharp. Recalibrate the Knife Blade in Design Space. Verify that the correct material setting is selected for your project.
- **Material Shifting:** Always use a StrongGrip Mat and secure your material with masking tape on all four sides, especially for thicker or heavier materials. Ensure the mat is clean and has sufficient adhesive.
- **Blade Not Cutting Through:** Confirm that the Knife Blade is correctly inserted into Clamp B. Check the material settings in Design Space to ensure they match your material's thickness and type. Multiple passes are normal for thick materials.
- **Design Space Issues:** Ensure your Design Space software is up to date. Remember that Knife Blade projects require a desktop computer and are not compatible with mobile devices.

8. SPECIFICATIONS

Attribute	Detail
Brand	Cricut
Material	Metal (Premium Carbide Steel)

Product Dimensions	3"D x 5.25"W x 0.95"H
Item Weight	0.811 ounces (23 Grams)
Item Model Number	2003918
UPC	093573706103
Included Components	Blade, Drive Housing

9. WARRANTY AND SUPPORT

For detailed information regarding product warranty, technical support, and additional resources, please visit the official Cricut website or contact Cricut customer service directly. Keep your purchase receipt for warranty claims.

You can find more information and support at help.cricut.com.