

CMT ORANGE TOOLS 230.524.08

CMT 8-inch Precision Dado Set Instruction Manual

Model: **230.524.08** | Brand: **CMT ORANGE TOOLS**

1. INTRODUCTION

The CMT Precision Dado Sets are engineered to deliver exceptional performance for creating precise dadoes and grooves. This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your CMT 8-inch Precision Dado Set.

This dado set is designed for compatibility with various table saws, including models from DeWalt®, Jet®, Sawstop®, and Bosch®, as well as other radial arm or stationary table saws.

Key Features:

- Stainless steel construction, provided with a carrying case for organized storage.
- Features an anti-kickback design to minimize the risk of overfeeding, particularly when cutting dense materials.
- Delivers splinter-resistant cuts in a variety of materials, including veneer plywood, melamine, and both hard and soft woods.
- Equipped with four-tooth chippers that ensure flat cuts and virtually eliminate tear-out.
- Includes a 3/32-inch chipper specifically designed for undersize plywood, along with a steel shim set for precise cuts ranging from 1/4-inch to 29/32-inch.



Figure 1: The CMT 8-inch Precision Dado Set, showcasing its primary components and orange coating.

2. SETUP

Proper setup is crucial for achieving accurate and safe cuts. Always ensure your saw is unplugged before installing or adjusting the dado set.

2.1 Components of the Dado Set

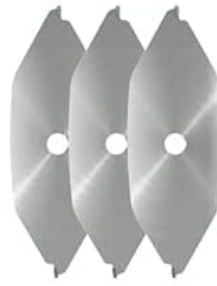
The CMT Precision Dado Set includes the following components:

- **2 Blades:** The primary cutting blades.
- **3 Chippers:** Used to adjust the width of the dado cut.
- **3 Spacers:** Provide additional width adjustment.
- **8 Shims:** Fine-tune the dado width for precise measurements.

SET INCLUDES:



2 BLADES



3 CHIPPERS



3 SPACERS



8 SHIMS

Figure 2: Illustrated components of the CMT Precision Dado Set, including blades, chippers, spacers, and shims.

2.2 Installation and Width Adjustment

1. **Safety First:** Disconnect power to your table saw before beginning installation. Always wear appropriate safety gear, including gloves, as indicated on the blade.
2. **Determine Desired Width:** Identify the required dado width for your project, which can range from 1/4 inch to 29/32 inch.
3. **Assemble Blades and Chippers:** Start with one outer blade on the saw arbor. Add the necessary chippers and spacers to achieve the approximate desired width. The chippers feature a "Setting Point" for proper alignment.
4. **Align Chippers:** Ensure the chippers are correctly aligned with the "Setting Point" on the main blades. This ensures a clean, flat bottom cut and prevents tear-out.
5. **Add Shims for Fine Adjustment:** Use the included shims (paper or steel) to fine-tune the dado width. These are essential for achieving exact measurements, especially for undersize plywood.
6. **Install Second Outer Blade:** Place the second outer blade on the arbor, securing the entire assembly.
7. **Secure the Assembly:** Tighten the arbor nut securely, ensuring all components are firmly seated without over-tightening.

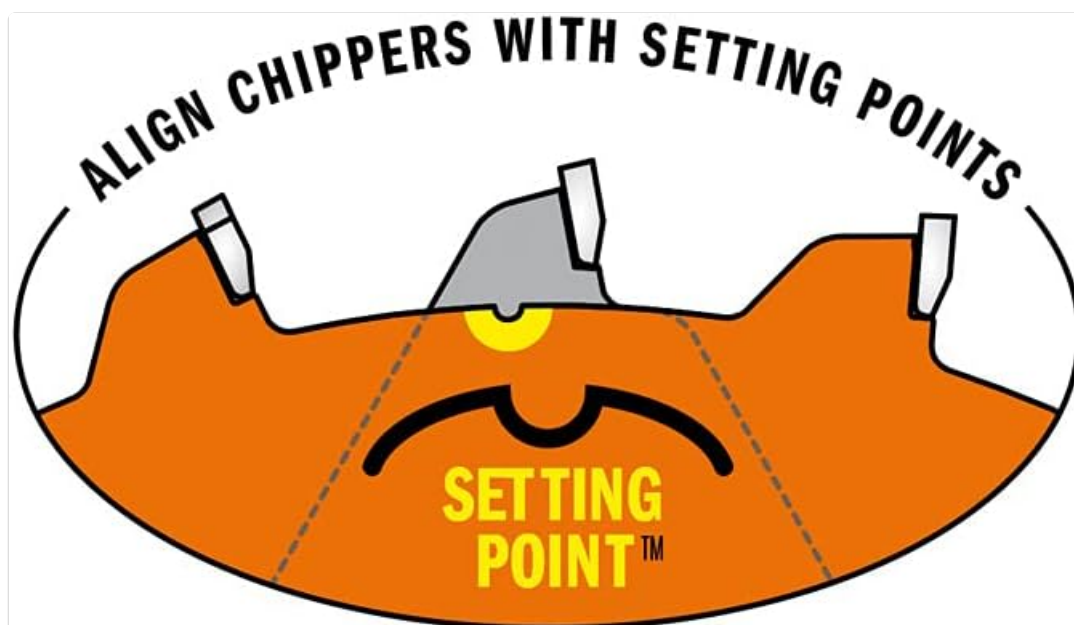


Figure 3: Diagram illustrating the "Setting Point" for proper alignment of chippers with the main blades.

For optimal performance and safety, it is critical to remove the saw's splitter or riving knife when using a dado set, as it interferes with the wider cut. Always consult your saw's manual for specific instructions on using dado sets.

3. OPERATING INSTRUCTIONS

Always prioritize safety when operating power tools. Ensure you are familiar with your table saw's operation before using the dado set.

3.1 Safety Precautions

- Always wear safety glasses, hearing protection, and gloves.
- Ensure the workpiece is firmly supported and guided. Use push sticks or featherboards as needed.
- Never force the workpiece through the dado set. Allow the blades to cut at their own pace.
- Maintain a clear work area and ensure proper dust collection.
- Do not exceed the maximum RPM of 6000 for this dado set.

3.2 Making Dado Cuts

1. **Test Cut:** Before making final cuts on your project material, always perform a test cut on a scrap piece of the same material. Measure the dado width to ensure it matches your requirements. Adjust shims as necessary.
2. **Material Feed:** Feed the material smoothly and consistently. The anti-kickback design helps reduce the possibility of overfeeding, but proper technique is still essential.
3. **Clean Cuts:** The four-tooth chippers and precise alignment contribute to flat-bottomed, splinter-resistant cuts, even in challenging materials like veneer plywood and melamine.



Figure 4: Examples of precise dado cuts achieved with the CMT Precision Dado Set in various wood types.

4. MAINTENANCE

Regular maintenance extends the life and performance of your CMT Precision Dado Set.

4.1 Cleaning

- After each use, clean the blades and chippers to remove resin and sawdust buildup. Use a specialized blade

cleaner and a soft brush.

- The "Non-Stick Orange Shield Coating" helps prevent pitch and resin buildup, making cleaning easier.
- Ensure all components are dry before storage.

4.2 Storage

- Store the dado set in its original carrying case to protect the blades and chippers from damage and corrosion.
- Keep the case in a dry environment to prevent rust.



Figure 5: The CMT Precision Dado Set stored securely in its protective carrying case.

4.3 Sharpening

When the dado set begins to show signs of dullness (e.g., increased effort to cut, burning, or rough cuts), it is time for professional sharpening. Do not attempt to sharpen the blades yourself unless you have specialized equipment

and training.

5. TROUBLESHOOTING

This section addresses common issues you might encounter when using your CMT Precision Dado Set.

Problem	Possible Cause	Solution
Rough or splintered cuts	Dull blades, incorrect chipper alignment, improper feed rate, wrong blade for material.	Ensure chippers are aligned with "Setting Point". Sharpen or replace blades if dull. Adjust feed rate. Verify the dado set is suitable for the material.
Dado width is inconsistent or incorrect	Incorrect combination of chippers/spacers/shims, loose arbor nut.	Re-measure and adjust the combination of chippers, spacers, and shims. Ensure the arbor nut is securely tightened. Perform test cuts.
Burning on workpiece	Dull blades, slow feed rate, excessive friction from resin buildup.	Clean blades to remove resin. Increase feed rate slightly. Sharpen or replace blades if dull.
Excessive vibration or noise	Improperly installed dado set, damaged blades, unbalanced assembly.	Check that the dado set is correctly installed and the arbor nut is tight. Inspect blades for damage. If issues persist, consult a professional.

6. SPECIFICATIONS

Detailed specifications for the CMT 8-inch Precision Dado Set (Model 230.524.08):

Attribute	Value
Model Number	230.524.08
Size	D 8 203mm T 24 B 5/8 K .125 P .098
Diameter	8 inches (203mm)
Number of Teeth	24 (on outer blades)
Bore Size	5/8 inches
Material	Carbide
Item Thickness	0.1 Inches (individual blade)
Item Weight	2 Pounds

Attribute	Value
Product Dimensions	8"L x 8"W
Color	Orange
UPC	664252027408
Manufacturer	CMT

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The CMT Precision Dado Set comes with a **Limited Lifetime Warranty**. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the warranty documentation included with your product or contact CMT customer service.

7.2 Customer Support

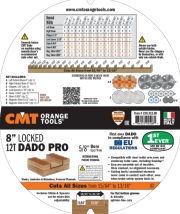
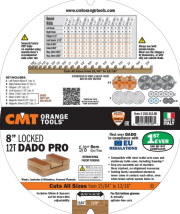
For further assistance, technical support, or to inquire about replacement parts, please visit the official CMT Store or contact their customer service department.



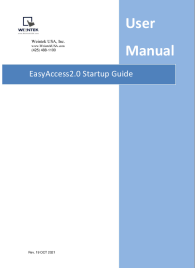
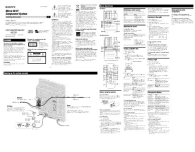
Official CMT Store: [Visit the CMT Store on Amazon](#)

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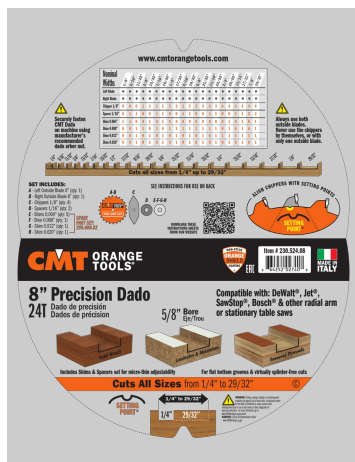
This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents - 230.524.08

	<p>CMT 8" Locked Dado Pro: Precision Grooving Blade Set - Installation & Safety Guide</p> <p>Comprehensive guide for the CMT 8" Locked Dado Pro (Item # 230.312.08). Learn about installation, setup, safety precautions, and operation for creating precise grooves in wood, laminates, and plywood. Features EU and UNI EN 847 compliance.</p>
	<p>CMT 8" Locked Dado Pro: Precision Grooving Blade Set - Installation & Safety Guide</p> <p>Comprehensive guide for the CMT 8" Locked Dado Pro (Item # 230.312.08). Learn about installation, setup, safety precautions, and operation for creating precise grooves in wood, laminates, and plywood. Features EU and UNI EN 847 compliance.</p>

	<p>WEINTEK cMT Series: Edge Computing & Smart Manufacturing Solutions</p> <p>Explore WEINTEK's comprehensive range of cMT Series HMIs and IIoT devices designed for edge computing and smart manufacturing. Discover features like OPC UA, MQTT, Modbus, and EasyAccess 2.0 for seamless industrial automation.</p>
	<p>Weintek cMT X Series: Smart, Fast, Reliable Industrial HMIs</p> <p>Explore the Weintek cMT X Series, featuring advanced Smart HMIs with robust performance, extensive connectivity, data integration, mobile monitoring, and cloud services for industrial automation. Discover models, specifications, and features.</p>
	<p>Weintek EasyAccess2.0: Remote HMI Management and Startup Guide</p> <p>This user manual provides comprehensive guidance on Weintek's EasyAccess2.0 software, enabling secure remote access, monitoring, and management of industrial HMIs and PLCs. It covers domain creation, HMI activation, user management, and pass-through functionalities.</p>
	<p>Sony CMT-NEZ50/NEZ33/NEZ30 Micro Hi-Fi Component System Operating Instructions</p> <p>Official operating instructions manual for the Sony CMT-NEZ50, CMT-NEZ33, and CMT-NEZ30 Micro Hi-Fi Component System. Learn how to set up, operate, record, and troubleshoot your audio system.</p>

Documents - CMT ORANGE TOOLS – 230.524.08



[\[pdf\]](#) Instructions

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www.cmtorangetools.com Nominal Widths Left Blade Right Blade Chipper 1/8 0 0 0 1 1 1 1 2 2 2 2 ... E INSTRUCTIONS SHEETS FROM OUR WEBSITE ALIGN CHIPPERS WITH SETTING POINTS SETTING POINT TM Item # **230.524.08** 8 Precision Dado Dado de precisin 24T Dados de prcision Compatible with: DeWalt, Jet...

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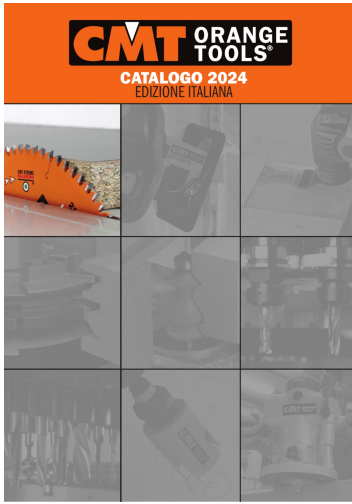


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