DEWALT DW2535

DEWALT DW2535 Countersink Drill Bit Set

INSTRUCTION MANUAL

Introduction

This manual provides essential information for the safe and effective use of your DEWALT DW2535 3-Piece Countersink Drill Bit Set. This set includes #6, #8, and #10 countersink bits designed to drill, countersink, and counterbore in a single operation, providing a clean, professional finish in various wood types.

Safety Information

Always follow these safety guidelines when using power tools and accessories:

- Wear appropriate personal protective equipment, including safety glasses, hearing protection, and gloves.
- Ensure the workpiece is securely clamped before drilling to prevent movement.
- Always use the correct size bit for the application.
- Do not force the drill bit; allow the tool to do the work. Excessive force can cause breakage or injury.
- Keep hands and loose clothing away from rotating parts.
- Disconnect power from the drill before changing bits or performing maintenance.
- Store bits in a safe, dry place when not in use.
- Inspect bits for damage or dullness before each use. Do not use damaged bits.

Package Contents

Your DEWALT DW2535 Countersink Drill Bit Set includes:

- One #6 Countersink Drill Bit
- One #8 Countersink Drill Bit
- One #10 Countersink Drill Bit
- One Hex Wrench (for depth adjustment)

DEWALT

DW2535

3 COUNTERSINK SET
3 JUEGO PARA AVELLANAR
3 PC./P. JEU DE FRAISES CONIQUES

RAPID LOAD®
QUICK CHANGE ACCESSORY SYSTEM

DRILL, COUNTERSINK & COUNTERBORE IN ONE STEP

FOUR CUTTER COUNTERSINK AND REPLACEABLE TAPERED DRILL BIT PROVIDE SUPERIOR SPEED AND FINISH

ADJUSTABLE FOR DIFFERENT SCREW LENGTHS

TALADRO, AVELLANADOR Y ESCARIADOR EN UN SOLO PASO

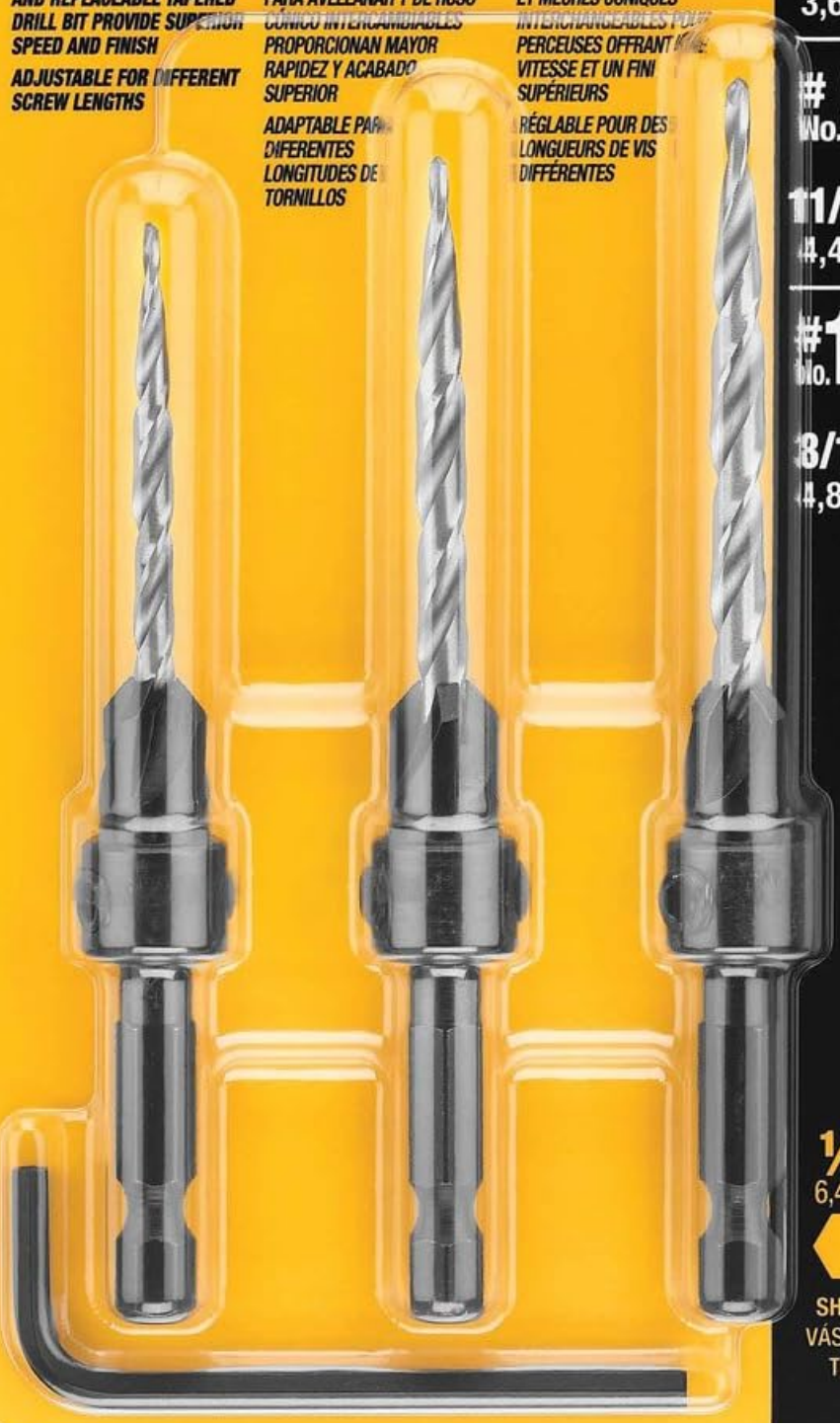
4 BARRENAS PARA TALADRO PARA AVELLANAR Y DE HUSO CÓNICO INTERCAMBIABLES PROPORCIONAN MAYOR RAPIDEZ Y ACABADO SUPERIOR

ADAPTABLE PARA DIFERENTES LONGITUDES DE TORNILLOS

PERCER, FRAISER ET CHAMBRER EN UNE SEULE ÉTAPE

FRAISES À QUATRE TRANCHANTS ET MÈCHES CONIQUES INTERCHANGEABLES POUR PERCEUSES OFFRANT UNE VITESSE ET UN FINI SUPÉRIEURS

RÉGLABLE POUR DES LONGUEURS DE VIS DIFFÉRENTES



#6 No.
9/64"
3,6 mm

#8 No.
11/64"
4,4 mm

#10 No.
3/16"
4,8 mm

1/4"
6,4 mm

SHANK
VÁSTAGO
TIGE

This image displays the DEWALT DW2535 3-piece countersink drill bit set, featuring the #6, #8, and #10 bits. Each bit is designed for drilling, countersinking, and counterboring in a single step, and they are presented in their retail packaging.

Setup and Installation

Follow these steps to properly install and adjust your countersink drill bit:

1. **Select the Correct Bit:** Choose the appropriate countersink bit (#6, #8, or #10) based on the size of the screw you intend to use.
2. **Insert into Drill Chuck:** Loosen the chuck of your power drill. Insert the shank of the countersink bit fully into the chuck, ensuring it is centered. Tighten the chuck securely to prevent slippage during operation.
3. **Adjust Depth (Optional):** The countersink bits feature an adjustable stop collar. To adjust the drilling depth, loosen the set screw on the collar using the provided hex wrench. Slide the collar up or down the bit to achieve the desired depth for your pilot hole and countersink. Once set, tighten the set screw firmly.
4. **Test Depth:** Before drilling into your final workpiece, test the adjusted depth on a scrap piece of material to ensure it meets your requirements.

Operating Instructions

These countersink bits are designed for efficient drilling, countersinking, and counterboring in one step:

1. **Prepare Workpiece:** Secure your workpiece firmly to prevent movement during drilling. Mark the drilling location accurately.
2. **Position the Bit:** Place the tip of the countersink bit directly on the marked drilling spot.
3. **Begin Drilling:** Start the drill at a moderate speed. Apply steady, even pressure. The tapered drill bit will create the pilot hole, and the four-cutter countersink will simultaneously create the recess for the screw head.
4. **Clear Chips:** Periodically withdraw the bit slightly from the hole while the drill is still running to clear wood chips and prevent overheating, especially in harder materials.
5. **Achieve Desired Depth:** Continue drilling until the stop collar (if used) contacts the workpiece surface, or until the desired countersink depth is achieved.
6. **Withdraw Bit:** Once the hole is complete, slowly withdraw the bit from the workpiece while the drill is still rotating.

Note: For optimal results and to prevent bit breakage, especially in dense hardwoods, use a slower drill speed and ensure consistent pressure. Avoid bending the bit during operation.

Maintenance

Proper maintenance extends the life of your countersink bits:

- **Cleaning:** After each use, clean the bits to remove wood resin, dust, and debris. A wire brush or a cloth with a mild solvent can be used.
- **Lubrication:** For prolonged use in hardwoods, applying a small amount of cutting fluid or wax can reduce friction and heat buildup.
- **Storage:** Store the bits in their original case or a suitable bit organizer to protect them from damage and corrosion. Keep them in a dry environment.
- **Inspection:** Regularly inspect the tapered drill bit and the countersink cutters for signs of dullness, chipping, or

breakage. Dull bits can lead to poor performance and increased risk of breakage.

- **Replacement:** Replacement tapered bits are available if the inner drill bit becomes dull or breaks. The countersink portion is designed for durability but will eventually dull with extensive use.

Troubleshooting

Problem	Possible Cause	Solution
Bit wobbles during drilling.	Bit not securely tightened in chuck; bent bit; worn drill chuck.	Ensure bit is fully inserted and chuck is tightened. Inspect bit for bends; replace if necessary. Check drill chuck for wear.
Poor cut quality or splintering.	Dull bit; incorrect drill speed; excessive feed pressure.	Replace or sharpen the tapered bit. Adjust drill speed to suit material (slower for hardwoods). Reduce feed pressure.
Bit breaks frequently.	Excessive force; hitting foreign objects (e.g., existing fasteners); bit overheating; incorrect angle.	Use steady, even pressure. Inspect workpiece for obstructions. Clear chips regularly to prevent overheating. Ensure bit is perpendicular to the surface.
Countersink depth is inconsistent.	Stop collar not securely tightened; inconsistent pressure; material density variations.	Re-tighten the stop collar set screw. Maintain consistent pressure. Test on scrap material to account for density.

Product Specifications

Model Number	DW2535
Included Sizes	#6, #8, #10
Material	High Speed Steel (HSS)
Shank Type	Straight
Cutting Angle	90 Degrees
Finish Type	Rust resistant, Stainless steel
Item Weight	1.92 ounces
Product Dimensions	3.89 x 0.75 x 7.75 inches
Manufacturer	DEWALT
UPC	028874025356

Warranty and Support

The DEWALT DW2535 Countersink Drill Bit Set comes with a**1 Year Full Warranty**. For warranty claims, technical support, or replacement parts, please contact DEWALT customer service or visit the official DEWALT website. Keep your proof of purchase for warranty validation.
For further assistance, you may visit the DEWALT Store on Amazon.