Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

DEWALT DW1710

DEWALT DW1710 3/8-Inch Brad Point Drill Bit Instruction Manual

Model: DW1710

Introduction

This manual provides instructions for the safe and effective use of the DEWALT DW1710 3/8-Inch Brad Point Drill Bit. This bit is specifically designed for precise drilling in wood, making it ideal for applications requiring clean holes and accurate placement, such as doweling and joinery.

Product Overview

The DEWALT DW1710 is a 3/8-inch brad point drill bit engineered for woodworking. Its design incorporates precise cutting edges to minimize splintering and a brad point tip to prevent the bit from wandering or 'walking' during initial contact with the material. Engineered flutes facilitate clean and effective chip removal, contributing to a smoother drilling experience.

Key Features

- Precise cutting edges for reduced splintering.
- Brad point tip to prevent bit walking and ensure accurate hole placement.
- Engineered flutes for efficient chip removal.
- Suitable for woodworking, doweling, and pilot hole applications.

What's in the Box

- One (1) DEWALT DW1710 3/8-Inch Brad Point Drill Bit.



Image showing the DEWALT DW1710 3/8-inch Brad Point Drill Bit in its yellow and black retail packaging, highlighting its size and purpose for wood drilling.

Safety Information

Always adhere to general power tool safety guidelines when operating drills and using drill bits. Failure to follow these instructions may result in injury or damage to the tool or workpiece.

- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- Ensure the drill bit is securely fastened in the drill chuck before operation.
- Disconnect power from the drill (unplug or remove battery) before changing bits or performing maintenance.
- Do not wear loose clothing or jewelry that could become entangled in moving parts.
- Keep hands and fingers away from the rotating bit.
- Use appropriate clamping methods to secure the workpiece, preventing movement during drilling.
- Do not force the drill bit; allow the bit to cut at its own pace. Excessive force can lead to bit breakage or overheating.

- Ensure adequate ventilation when drilling, especially in treated woods, to disperse dust and fumes.

Setup

Installing the Drill Bit

1. Ensure your drill is unplugged from the power source or its battery pack is removed to prevent accidental startup.
2. Open the drill chuck jaws by rotating the chuck collar counter-clockwise.
3. Insert the shank of the DEWALT DW1710 Brad Point Drill Bit into the chuck, ensuring it is seated as deeply as possible without touching the back of the chuck.
4. Tighten the chuck jaws firmly by rotating the chuck collar clockwise. For keyless chucks, hand-tighten securely. For keyed chucks, use the chuck key to tighten all three holes for maximum grip.
5. Verify the bit is centered and securely held by gently pulling on it.

Operating Instructions

Drilling in Wood

1. Mark the desired drilling location on your workpiece. The brad point tip will assist in aligning the bit precisely.
2. Secure the workpiece firmly using clamps or a vise to prevent movement during drilling.
3. Select the appropriate speed setting on your drill. Generally, slower speeds are recommended for larger diameter bits and harder woods, while faster speeds can be used for smaller bits and softer woods.
4. Position the brad point tip directly on your marked spot.
5. Start the drill at a low speed and apply gentle, steady pressure. The brad point will engage the wood, preventing the bit from wandering.
6. Increase the drill speed as the bit begins to cut, maintaining consistent pressure.
7. Allow the bit's flutes to clear chips effectively. If drilling deep holes, periodically withdraw the bit slightly to clear debris and prevent overheating.
8. Reduce pressure as the bit exits the material to prevent splintering on the backside.
9. Once the hole is complete, release the drill trigger and allow the bit to stop rotating before removing it from the workpiece.

Maintenance

Cleaning

After each use, clean the drill bit to remove wood dust, resin buildup, and any other debris. Use a stiff brush or a cloth. Avoid using harsh chemicals or abrasive materials that could damage the bit's finish or cutting edges.

Storage

Store the DEWALT DW1710 Brad Point Drill Bit in a dry environment to prevent rust and corrosion. Keep it in its original packaging or a dedicated drill bit case to protect the cutting edges from damage and maintain sharpness.

Sharpening

Brad point drill bits can be sharpened, but this requires specialized tools and techniques to maintain the precise geometry

of the brad point and cutting edges. Improper sharpening can negatively impact performance and safety. If the bit becomes dull, consider professional sharpening or replacement to ensure optimal performance and safety.

Troubleshooting

Problem	Possible Cause	Solution
Bit "walks" or wanders at start	Insufficient initial pressure; dull brad point	Ensure firm initial pressure; replace or sharpen bit if dull
Excessive splintering on workpiece	Dull cutting edges; too much pressure on exit; incorrect drill speed	Sharpen or replace bit; reduce pressure as bit exits material; adjust drill speed to suit material
Bit overheats during use	Too high drill speed; insufficient chip clearance; dull bit	Reduce drill speed; clear chips frequently by withdrawing bit; sharpen or replace bit
Hole is not clean or precise	Dull cutting edges; improper drilling technique	Sharpen or replace bit; ensure steady pressure and correct speed for the material

Specifications

Feature	Detail
Brand	DEWALT
Model Number	DW1710
Cutting Diameter	0.38 Inches (3/8 inch)
Shank Type	Straight
Material	Blend
Finish Type	Brushed
Product Dimensions	7.76 x 1.87 x 0.41 inches
Item Weight	1.76 ounces
Date First Available	February 17, 2007

Warranty and Support

For detailed warranty information and customer support regarding your DEWALT DW1710 Brad Point Drill Bit, please refer to the official DEWALT website or contact DEWALT customer service directly. It is recommended to retain your purchase receipt for any warranty claims.
You can find additional product information and support by visiting the official DEWALT store: DEWALT Store.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B000LESUOI

More documents and user manuals: **https://manuals.plus/**