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DEWALT DW2003 Z

DEWALT #3 Phillips Insert Bit Tip User Manual

Model: DW2003 Z

Product Overview

The DEWALT #3 Phillips Insert Bit Tip is a durable accessory designed for use with power drills and impact drivers. This 2-pack of 1-inch bits features shock-resistant steel construction, a hardened core for extra strength, and heat treatment to resist breakage and wear. It is specifically engineered to reduce stripping during fastening applications.

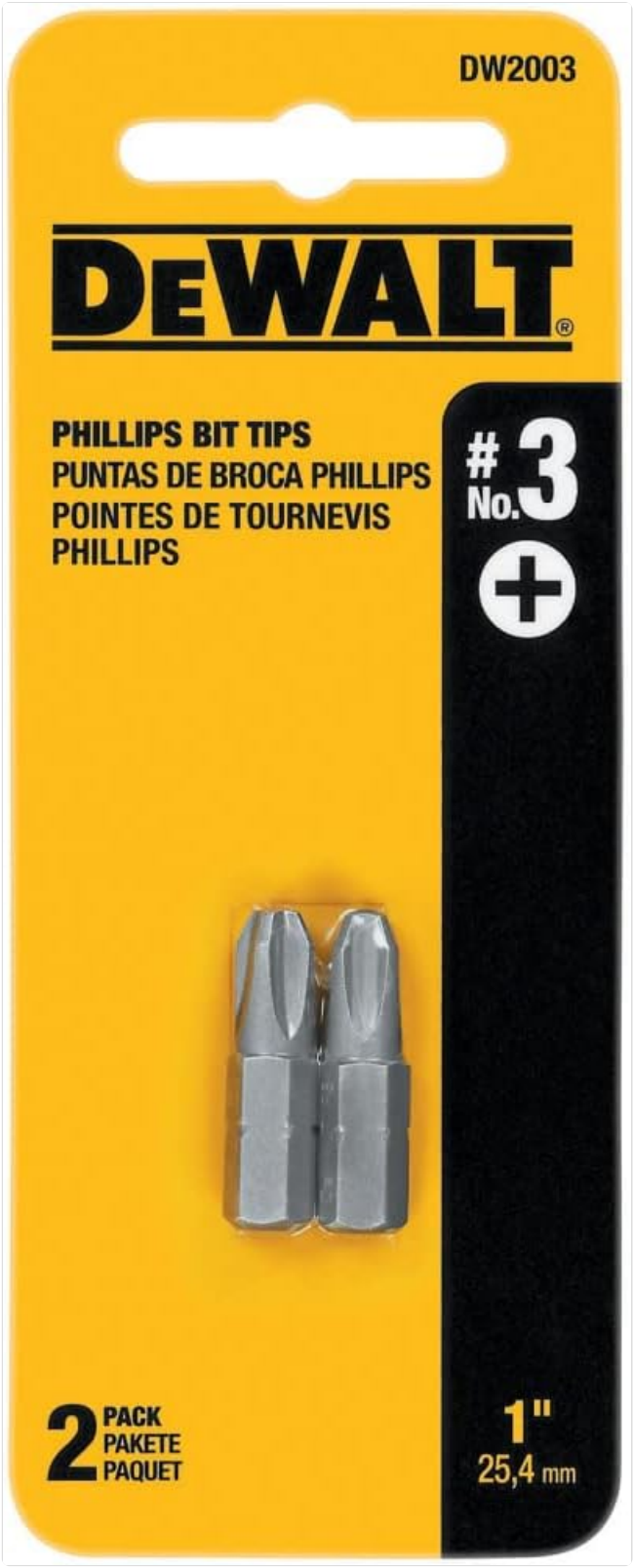


Image: DEWALT #3 Phillips Insert Bit Tip, 1-inch, 2-pack, shown in its retail packaging. The packaging is yellow and black, displaying the DEWALT logo, bit specifications, and the two Phillips bit tips.

Setup

Setting up your DEWALT Phillips Insert Bit Tip is straightforward. Ensure you have a compatible power tool (e.g., drill, impact driver) or a manual screwdriver with a 1/4-inch hex shank chuck.

1. **Select the Correct Bit:** Verify that the bit is a #3 Phillips, matching the fastener you intend to drive.
2. **Insert into Chuck:** Firmly insert the 1/4-inch hex shank of the bit into the chuck of your power tool or screwdriver handle.
3. **Secure the Bit:** Tighten the chuck securely to prevent the bit from slipping during operation. A loose bit can cause damage to

the fastener or the bit itself.

Operating Instructions

Proper operation ensures optimal performance and extends the life of your bit. Always wear appropriate personal protective equipment, such as safety glasses, when operating power tools.

- **Align the Bit:** Position the Phillips bit tip squarely into the head of the Phillips screw. Ensure full engagement to prevent cam-out (slipping out of the screw head).
- **Apply Consistent Pressure:** Apply firm, consistent pressure directly in line with the screw to maintain engagement and prevent stripping.
- **Control Speed:** For power tools, use an appropriate speed setting. Lower speeds are generally recommended for starting screws or driving into harder materials, while higher speeds can be used for faster driving once the screw is engaged.
- **Avoid Over-tightening:** Drive the screw until it is snug. Over-tightening can damage the screw head, the material, or the bit.
- **Safety First:** Keep hands and loose clothing away from rotating parts. Disconnect power tools from the power source before changing bits or performing maintenance.

Maintenance

Regular maintenance helps preserve the quality and performance of your DEWALT bit tips.

- **Cleaning:** After use, wipe the bit clean with a dry cloth to remove any dust, debris, or metal shavings. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the bit tip for signs of wear, such as rounding of the Phillips head or cracks. A worn bit can lead to stripping fasteners.
- **Storage:** Store bits in a dry environment to prevent rust. Keep them in a bit holder or case to protect the tips from damage and to keep them organized.
- **Lubrication (Optional):** For prolonged storage or in humid environments, a light coat of rust-preventative oil can be applied to the bit.

Troubleshooting

Here are some common issues and their solutions:

Problem	Possible Cause	Solution
Bit is stripping screw heads.	Incorrect bit size, insufficient pressure, worn bit, or excessive speed.	Ensure bit matches screw size. Apply firm, consistent pressure. Replace worn bits. Reduce tool speed.
Bit slips out of chuck.	Chuck not tightened sufficiently.	Ensure the chuck is tightened firmly around the bit's hex shank.
Bit breaks prematurely.	Excessive torque, side loading, or impact.	Use appropriate torque settings. Apply pressure directly in line with the screw. Avoid dropping or impacting the bit.

Specifications

Detailed specifications for the DEWALT #3 Phillips Insert Bit Tip:

- **Model Number:** DW2003 Z

- **Bit Type:** Phillips
- **Bit Size:** #3
- **Bit Length:** 1 inch (25.4 mm)
- **Shank Diameter:** 1/4 inch Hex
- **Material:** Alloy Steel
- **Number of Pieces:** 2 per pack
- **Special Features:** Shock Resistant Steel, Hardened Core, Heat Treated, Designed to Reduce Stripping
- **Manufacturer:** Dewalt Accessories
- **Item Weight:** Approximately 0.32 ounces (per pack)
- **UPC:** 028874020030

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