**DEWALT DW8251**

# DEWALT DW8251 Flap Disc User Manual

Model: DW8251

## Introduction

This manual provides essential information for the safe and effective use of your DEWALT DW8251 Flap Disc. This 4-1/2-inch by 7/8-inch 60-grit XP Flap Disc features premium Zirconia cloth, designed for aggressive grinding action and a finish comparable to a fiber resin application. It is engineered for ease of use and manufactured to DEWALT standards.

## Setup

Before installing the DEWALT DW8251 Flap Disc, ensure your power tool is unplugged or its battery is removed. Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves. This flap disc is designed for use with compatible angle grinders and die grinders. Ensure the arbor size of your grinder matches the 7/8-inch arbor hole of the disc. Securely fasten the disc onto the grinder's spindle according to your grinder's manufacturer instructions, ensuring it is properly seated and tightened.

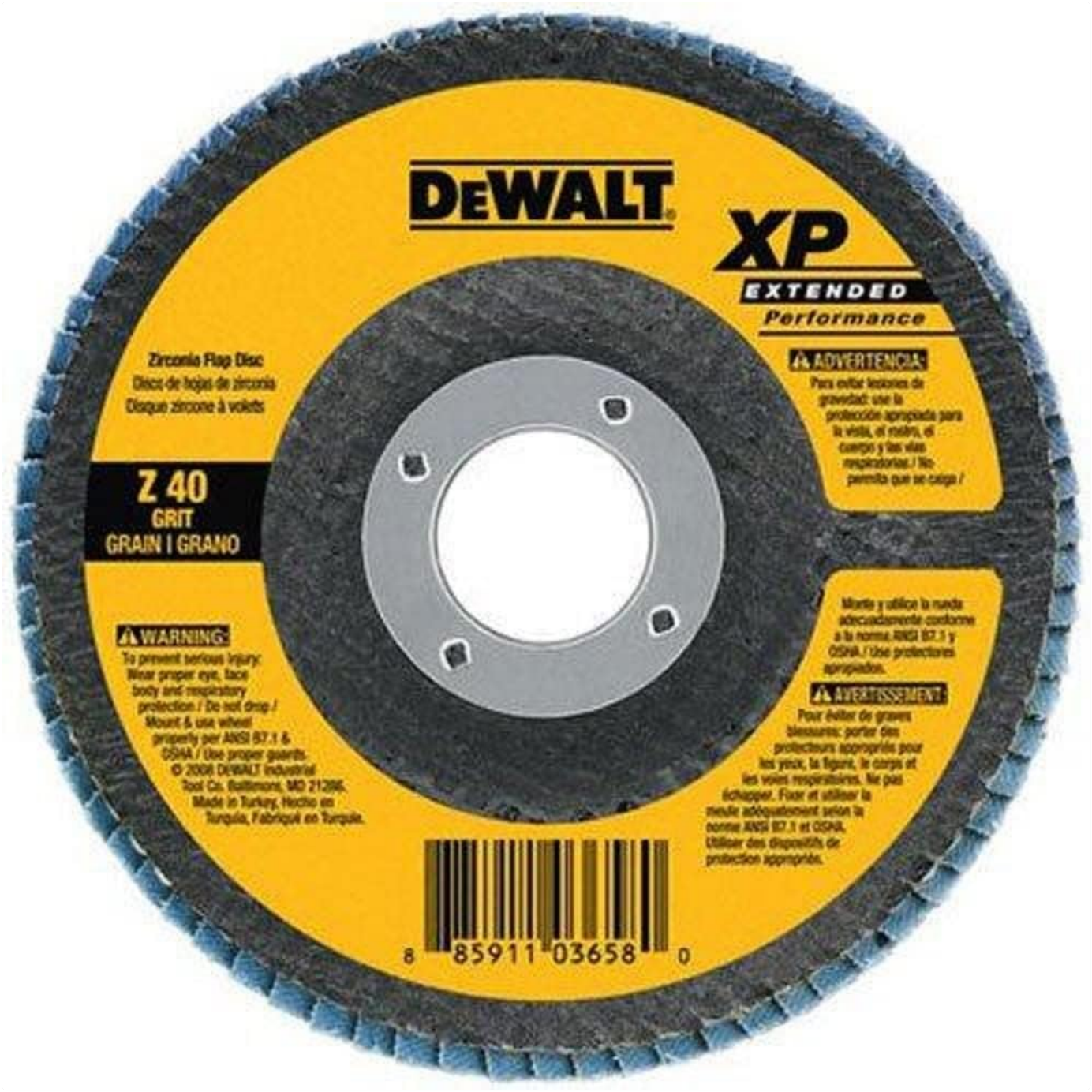



Figure 1: Front view of the DEWALT DW8251 Flap Disc, showing the DEWALT logo, XP Extended Performance branding, Zirconia Flap Disc label, and grit size (Z 40 Grit, though the product is 60 grit).

## Operating Instructions

The DEWALT DW8251 Flap Disc is engineered for aggressive material removal and surface finishing. When operating, maintain a firm grip on your grinder and apply consistent, moderate pressure. Allow the disc to do the work; excessive force can reduce efficiency and disc life. Always work in a well-ventilated area. This 60-grit disc is suitable for applications requiring both stock removal and a smoother finish, such as weld blending, deburring, and surface preparation on various materials including metal.



Figure 2: Side view of a DEWALT Flap Disc, illustrating the layered abrasive flaps that provide consistent grinding and finishing action.

## Maintenance

To ensure optimal performance and longevity of your DEWALT DW8251 Flap Disc, inspect it before each use for any signs of damage, excessive wear, or imbalance. A worn or damaged disc should be replaced immediately. After use, clean any debris from the disc and store it in a dry, cool place away from direct sunlight and moisture. Proper storage helps maintain the integrity of the abrasive material.

## Troubleshooting

If you experience issues such as excessive vibration, poor material removal, or premature wear, consider the following:

- **Excessive Vibration:** Ensure the disc is correctly mounted and tightened on the grinder's arbor. Inspect the disc for any physical damage or imbalance.
- **Poor Performance:** The disc may be worn out and require replacement. Ensure you are using the correct grit for your application and applying appropriate pressure.
- **Overheating:** Allow the disc and workpiece to cool. Avoid excessive, continuous pressure.

If problems persist, consult a qualified technician or contact DEWALT customer support.

## Specifications

| | |
|---|---|
| **Brand** | DEWALT |
| **Model Number** | DW8251 |
| **Product Dimensions** | 4.5"L x 4.5"W |
| **Grit Material** | Zirconia |
| **Grit Number** | 60 |
| **Grit Type** | Medium |
| **Compatible Devices** | Angle Grinder, Die Grinder |
| **Construction Type** | Grinding |
| **Item Weight** | 0.32 ounces |
| **Item Package Quantity** | 1 |
| **Included Components** | DW8251 - 4-1/2 X 7/8 60G T27 XP JUMBO FLAP |

## Warranty and Support

DEWALT products are backed by a limited warranty. For specific warranty details, product registration, or technical support, please visit the official DEWALT website or contact their customer service. Always refer to the official DEWALT resources for the most accurate and up-to-date information.

You can find more information and support on theOfficial DEWALT Store on Amazon.

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