

3M 03051

3M 03051 2-inch Disc Holder Instruction Manual

Brand: 3M | Model: 03051

1. INTRODUCTION

This manual provides essential instructions for the proper use and maintenance of the 3M 03051 2-inch Disc Holder. This product is designed to provide disc support for the 3M Drill Mounted Automotive Grinding/Sanding/Finishing System. Adherence to these instructions will ensure safe and effective operation.

2. SAFETY INFORMATION

WARNING: Always wear appropriate personal protective equipment (eye, skin, and respiratory) during use. Dust generated from sanding or grinding may contain hazardous substances that can cause serious injury from repeated exposure. Provide appropriate local exhaust (or dust capture) while using this product. Minimize dust exposure to bystanders. Remove flammable material from work area when sanding. If using a power tool, follow the manufacturer's safety instructions.

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3. PRODUCT OVERVIEW

The 3M 03051 Disc Holder is a component designed to securely hold 2-inch sanding and finishing discs for various automotive applications. It features a sturdy construction for durability and efficient performance.



Figure 1: 3M 03051 2-inch Disc Holder in packaging.



Figure 2: Disc Holder with packaging.



Figure 3: Close-up of the Disc Holder.

4. SETUP

1. **Unpack the Disc Holder:** Carefully remove the 3M 03051 Disc Holder from its packaging.
2. **Inspect for Damage:** Before use, inspect the disc holder for any signs of damage or defects. Do not use if damaged.
3. **Attach to Power Tool:** The disc holder is designed for use with a drill-mounted system. Insert the spindle of the disc holder into the chuck of a compatible drill. Ensure the chuck is tightened securely to prevent slippage during operation.
4. **Attach Sanding/Finishing Disc:** Securely attach a compatible 2-inch sanding or finishing disc to the

holder's surface. Ensure the disc is centered and firmly seated.

5. OPERATING INSTRUCTIONS

Once the disc holder and disc are securely attached to your drill, follow these general operating guidelines:

- **Wear PPE:** Always wear appropriate personal protective equipment, including eye protection, gloves, and a dust mask or respirator.
- **Secure Workpiece:** Ensure the workpiece is stable and securely clamped to prevent movement during sanding or grinding.
- **Start Slowly:** Begin operation at a low speed to gain control, then gradually increase to the desired speed suitable for the application and disc type.
- **Maintain Even Pressure:** Apply light, even pressure to the disc holder against the workpiece. Excessive pressure can reduce disc life and effectiveness, and may cause damage to the workpiece or tool.
- **Move Consistently:** Move the disc holder in a consistent pattern across the surface to ensure even material removal and a smooth finish.
- **Avoid Overheating:** Monitor the workpiece and disc for signs of overheating. Allow the tool and workpiece to cool if necessary.
- **Change Discs:** Replace sanding or finishing discs when they become worn or clogged to maintain optimal performance.

6. MAINTENANCE

- **Cleaning:** After each use, clean the disc holder to remove any dust or debris. A dry cloth or compressed air can be used.
- **Inspection:** Regularly inspect the disc holder for wear, cracks, or other damage. Pay close attention to the spindle and the disc attachment surface.
- **Storage:** Store the disc holder in a clean, dry place away from direct sunlight and extreme temperatures.
- **Replacement:** If the disc holder shows significant wear or damage, replace it immediately to ensure safe and effective operation.

7. TROUBLESHOOTING

- **Disc Slippage:** Ensure the sanding/finishing disc is properly centered and firmly attached to the holder. Verify the drill chuck is securely tightened around the disc holder's spindle.
- **Uneven Finish:** This may be due to uneven pressure, inconsistent movement, or a worn disc. Ensure even pressure and consistent motion, and replace the disc if necessary.
- **Excessive Vibration:** Check that the disc holder is securely mounted in the drill chuck and that the sanding disc is properly attached and not damaged.

8. SPECIFICATIONS

Feature	Detail
Brand	3M

Model Number	03051
Disc Size Compatibility	2 inches
Intended Use	Disc support for 3M Drill Mounted Automotive Grinding/Sanding/Finishing System
Item Weight	0.8 ounces (22.68 g)
Product Dimensions	10.87 x 6.12 x 3.5 inches (packaging)
UPC	051131030510

9. WARRANTY AND SUPPORT

3M makes no other express or implied warranties or conditions, including any implied warranty or condition of merchantability or fitness for particular purpose. 3M products are warranted to be free from defects in material and manufacture at the time of shipment. The exclusive remedy for 3M's breach of this warranty is, at 3M's option, replacement of the 3M product or refund of the purchase price. 3M is not liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential, regardless of the legal or equitable theory asserted.

For additional product information or support, visit www.3M.com.

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