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3M 405-051141-28443

3M Disc Pad Face Plate Ribbed 28443 User Manual

Model: 405-051141-28443

PRODUCT OVERVIEW

The 3M Disc Pad Face Plate Ribbed 28443 is an extra hard, 4-1/2 inch face plate designed for use with disc sanders and right angle grinders. This component is crucial for securely holding abrasive discs during sanding and grinding operations, ensuring efficient material removal and consistent finish. It is constructed with durable materials suitable for demanding industrial applications.



Image: The 3M Disc Pad Face Plate Ribbed 28443, a red, circular component with a ribbed surface, designed for abrasive disc attachment.

SPECIFICATIONS

Attribute	Detail
Brand	3M
Model Number	405-051141-28443
Part Number	405-051141-28443
Description	Disc Pad Face Plate Ribbed, 4-1/2 inch, Extra Hard, Red

Compatible Devices	Disc Sanders, Right Angle Grinders
Grit Material	Aluminum Oxide, Silicon Carbide
Grit Type	Coarse
Item Weight	1 pound
Item Package Quantity	10 (per case)
UPC	051141284439

SETUP AND INSTALLATION

Proper installation of the 3M Disc Pad Face Plate is essential for safe and effective operation. Always refer to your power tool's instruction manual for specific attachment procedures.

- Safety First:** Ensure the power tool (disc sander or right angle grinder) is unplugged or its battery is removed before beginning installation. Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Inspect Components:** Verify that the disc pad face plate and the power tool's spindle are clean and free from debris or damage.
- Attach Face Plate:** Align the threaded hole on the 3M Disc Pad Face Plate with the spindle of your power tool. Rotate the face plate clockwise until it is securely tightened. Hand-tighten only, unless your tool's manual specifies a wrench.
- Mount Abrasive Disc:** Once the face plate is secure, attach the appropriate abrasive disc. Ensure the disc is centered and properly adhered or clamped to the face plate according to the disc's and tool's instructions.
- Final Check:** Before operating, gently tug on the abrasive disc to confirm it is firmly attached and the face plate is stable.

OPERATING GUIDELINES

The 3M Disc Pad Face Plate is a passive component that facilitates the operation of abrasive discs. Its performance is directly tied to the proper use of the power tool it is attached to.

- Tool Compatibility:** Use this face plate only with compatible disc sanders and right angle grinders as specified in the product specifications.
- Abrasive Disc Selection:** Always select abrasive discs that are compatible with the face plate size (4-1/2 inch) and suitable for the material being worked on.
- Proper Technique:** Operate the power tool according to its manufacturer's instructions. Apply even pressure and maintain control to achieve desired results and prevent damage to the face plate or workpiece.
- Avoid Overheating:** Excessive pressure or prolonged use without breaks can lead to overheating of the disc and face plate, potentially reducing their lifespan.

MAINTENANCE

Regular maintenance extends the life of your 3M Disc Pad Face Plate and ensures optimal performance.

- Cleaning:** After each use, remove any dust, debris, or abrasive residue from the face plate using a brush or compressed air. Ensure the ribbed surface is clear to maintain proper disc adhesion.
- Inspection:** Periodically inspect the face plate for signs of wear, cracks, deformation, or damage to the ribs. A damaged face plate can lead to poor disc performance or safety hazards.
- Storage:** Store the face plate in a clean, dry environment away from extreme temperatures and direct sunlight.

- **Replacement:** Replace the face plate if it shows significant signs of wear or damage, as this can compromise safety and performance.

TROUBLESHOOTING

This section addresses common issues related to the 3M Disc Pad Face Plate.

Problem	Possible Cause	Solution
Abrasive disc not holding securely.	<ul style="list-style-type: none">• Face plate or disc is dirty.• Ribs on face plate are worn.• Incorrect disc size or type.	<ul style="list-style-type: none">• Clean face plate and disc thoroughly.• Inspect face plate for wear; replace if necessary.• Ensure disc matches 4-1/2 inch size and is compatible.
Excessive vibration during operation.	<ul style="list-style-type: none">• Disc not centered on face plate.• Face plate not securely tightened.• Damaged face plate or power tool spindle.	<ul style="list-style-type: none">• Re-center and re-attach abrasive disc.• Ensure face plate is fully tightened onto the spindle.• Inspect face plate and tool spindle for damage; replace if needed.
Poor sanding/grinding performance.	<ul style="list-style-type: none">• Worn abrasive disc.• Incorrect abrasive disc for material.• Face plate damage affecting disc contact.	<ul style="list-style-type: none">• Replace abrasive disc.• Use an abrasive disc appropriate for the task.• Inspect face plate for damage; replace if necessary.

WARRANTY AND SUPPORT

For specific warranty information regarding the 3M Disc Pad Face Plate Ribbed 28443, please refer to the official 3M website or contact 3M customer service directly. As a consumable accessory, warranty terms may vary.

For technical support or further inquiries, please visit the [3M Industrial Store on Amazon](#) or the official 3M website.