

PFERD 67339

PFERD POLIFAN CURVE Flap Disc User Manual

Model: 67339 | Brand: PFERD

1. INTRODUCTION

This manual provides essential information for the safe and effective use of the PFERD 67339 POLIFAN CURVE Flap Disc. This high-performance abrasive disc is designed for demanding grinding and finishing tasks on various materials, particularly steel and stainless steel (Inox). Please read this manual thoroughly before operating the product to ensure proper handling, maximize performance, and prevent injury or damage.

2. SAFETY INFORMATION

WARNING: Improper use of abrasive products can cause property damage or serious injuries. Always adhere to the following safety guidelines and regulations.

- **Comply with Regulations:** Always follow ANSI B7.1 and OSHA regulations in the USA, and AS 1788.1 in Australia, regarding abrasive wheel safety.
- **Maximum Operating Speed:** Do not exceed the maximum safe operating speed of 13,300 RPM (80 m/s max.) for this disc. Exceeding this speed can lead to disc disintegration and severe injury.
- **Correct Mounting:** Ensure the flap disc is mounted correctly and securely on the compatible tool (e.g., angle grinder). Refer to your tool's manual for specific mounting instructions.
- **Use Guards:** Always use appropriate safety guards on your power tool for all operations. Never operate without a guard.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including:
 - Eye protection (safety glasses or goggles)
 - Ear protection (earplugs or earmuffs)
 - Hand protection (heavy-duty gloves)
 - Respiratory protection (dust mask)
- **Inspect Disc:** Before each use, inspect the flap disc for any signs of damage, cracks, or excessive wear. Do not use damaged discs.
- **Workpiece Securement:** Secure the workpiece firmly to prevent movement during grinding.
- **Ventilation:** Ensure adequate ventilation in the work area to disperse dust and fumes.



Image: PFERD POLIFAN CURVE Flap Disc (Model 67339) showing safety markings, dimensions, and maximum RPM. Note the safety icons for eye, ear, hand, and respiratory protection.

3. PRODUCT OVERVIEW

3.1 Features

- **Type:** POLIFAN CURVE Flap Disc SGP
- **Abrasive Material:** Zirconia (Z) for high stock removal rates and long tool life.
- **Grit Size:** 40 Grit (Medium) for effective material removal and surface preparation.
- **Dimensions:** 4-1/2 inches (115 mm) diameter x 7/8 inches (22.23 mm) arbor hole.
- **Design:** CURVE design specifically engineered for optimal grinding on fillets, corners, and hard-to-reach areas, as well as surface grinding.
- **Application:** Suitable for use on Steel and Stainless Steel (Inox).

- **Construction:** Coated abrasive construction for consistent performance.

3.2 Components

The PFERD POLIFAN CURVE Flap Disc consists of multiple abrasive flaps arranged in a fan-like pattern around a central hub with a mounting hole. The unique CURVE shape allows for enhanced contact and performance in specific applications.



Image: Front view of the PFERD POLIFAN CURVE Flap Disc, highlighting the 'POLIFAN CURVE' branding.



Image: Angled view of two PFERD POLIFAN CURVE Flap Discs, illustrating the curved flap design.

4. SETUP

Proper setup is crucial for safety and optimal performance. This flap disc is compatible with angle grinders and die grinders.

1. **Tool Compatibility:** Ensure your angle grinder or die grinder is compatible with 4-1/2 inch diameter discs and has a 7/8 inch arbor.
2. **Power Disconnection:** Always disconnect the power tool from its power source before attempting to mount or change any accessories.
3. **Inspect Tool:** Check your power tool for any damage or malfunctions before attaching the disc.

4. **Mounting the Disc:** Carefully place the flap disc onto the spindle of your grinder, ensuring the arbor hole aligns correctly with the spindle and any backing flange. Secure it firmly with the appropriate locking nut or clamping system, as per your tool's instructions. Do not overtighten.
5. **Install Guard:** Ensure the safety guard is properly installed and adjusted to provide maximum protection without obstructing the work area.
6. **Verify RPM:** Confirm that the maximum operating speed of your grinder does not exceed the maximum safe speed of the flap disc (13,300 RPM).
7. **Test Run:** After mounting, briefly run the grinder at a safe distance from yourself and others to check for any wobble or unusual vibrations. If any issues are detected, immediately power off the tool and re-inspect the mounting.

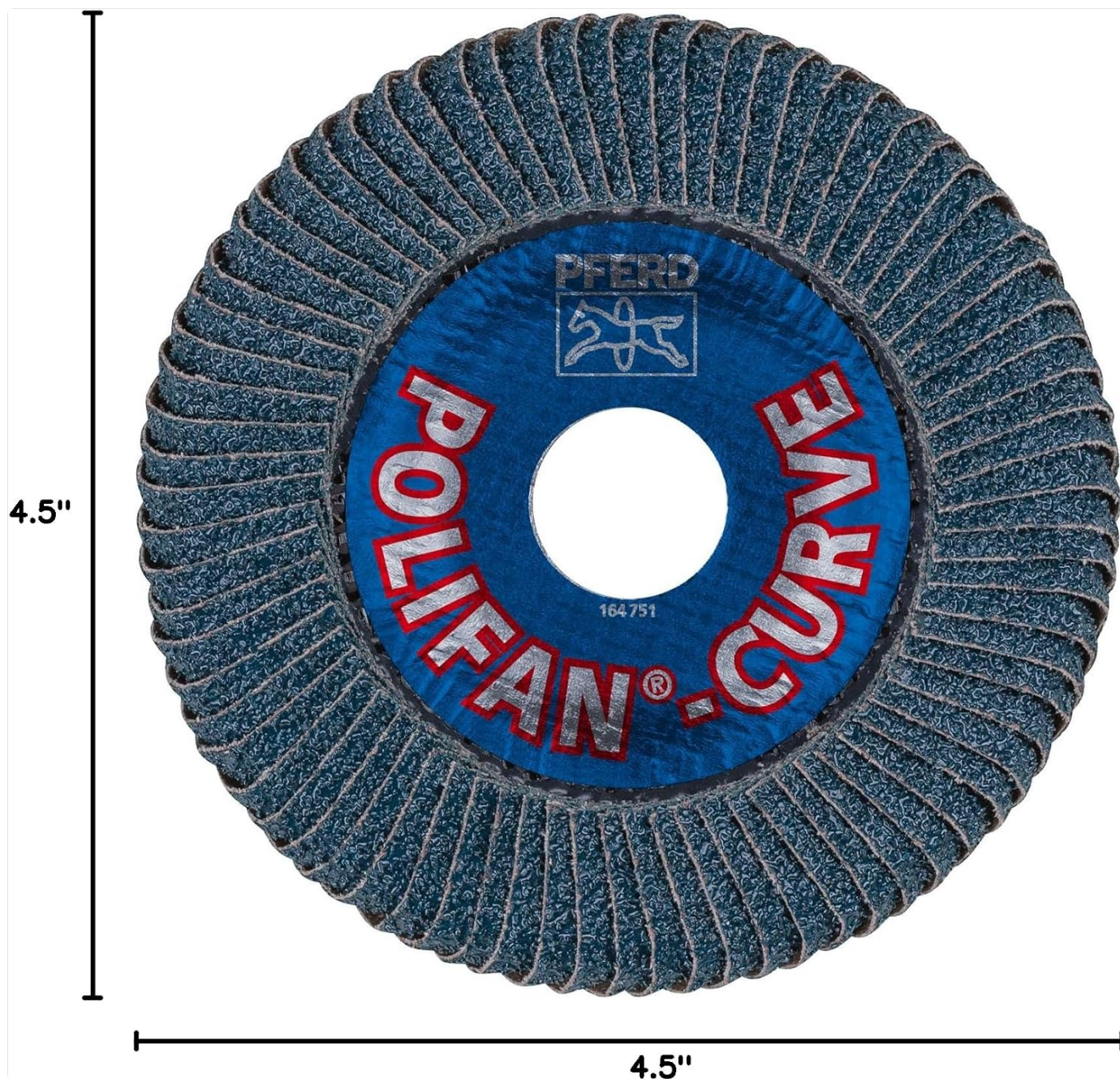


Image: PFERD POLIFAN CURVE Flap Disc illustrating its 4.5-inch diameter, crucial for tool compatibility.

5. OPERATING INSTRUCTIONS

Follow these guidelines for effective and safe operation of the PFERD POLIFAN CURVE Flap Disc.

1. **Wear PPE:** Always wear all recommended Personal Protective Equipment (PPE) before starting any grinding operation.
2. **Start Safely:** Turn on the grinder before making contact with the workpiece. Allow the disc to reach full operating speed.
3. **Angle of Attack:** For general surface grinding, maintain a shallow angle (typically 10-30 degrees) between the disc and the workpiece. For fillet welds and corners, the CURVE design allows for more aggressive angles and better access.
4. **Apply Moderate Pressure:** Let the abrasive do the work. Apply consistent, moderate pressure. Excessive pressure can lead to premature disc wear, overheating, and reduced performance.
5. **Consistent Movement:** Move the grinder smoothly and consistently across the workpiece to ensure even material removal and prevent gouging. Avoid dwelling in one spot.
6. **Material Compatibility:** This disc is optimized for Steel and Stainless Steel (Inox). Using it on other materials may yield suboptimal results or damage the disc.
7. **Cooling:** For prolonged grinding, allow the disc and workpiece to cool periodically to prevent overheating, which can degrade abrasive performance and potentially damage the disc.
8. **Finish Safely:** Before setting the tool down, lift the disc clear of the workpiece and turn off the grinder. Wait for the disc to come to a complete stop.

6. MAINTENANCE

Proper care and maintenance will extend the life of your flap discs and ensure consistent performance.

- **Storage:** Store flap discs in a dry, cool environment, away from direct sunlight, moisture, and extreme temperatures. Keep them in their original packaging or a suitable container to prevent damage.
- **Inspection:** Before each use, visually inspect the disc for any signs of damage, such as cracks, tears in the flaps, or excessive wear. Discard any damaged or excessively worn discs immediately.
- **Cleaning:** After use, gently brush off any accumulated dust or debris from the disc. Do not use solvents or harsh chemicals.
- **Disposal:** Dispose of worn or damaged flap discs according to local regulations for abrasive materials.

7. TROUBLESHOOTING

If you encounter issues during operation, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Poor material removal / Low efficiency	• Disc is worn out • Insufficient pressure • Incorrect grinding angle • Tool RPM too low	• Replace disc • Increase pressure slightly • Adjust grinding angle • Ensure tool is operating at recommended RPM
Excessive vibration / Wobble	• Disc improperly mounted • Damaged disc • Damaged grinder spindle	• Re-mount disc correctly • Replace disc • Inspect grinder, seek professional repair if needed

Problem	Possible Cause	Solution
Premature disc wear / Overheating	- Excessive pressure - Incorrect grinding angle - Tool RPM too high - Grinding unsuitable material	- Reduce pressure - Adjust grinding angle - Ensure tool RPM is within disc limits - Verify material compatibility

8. SPECIFICATIONS

Brand	PFERD
Model Number	67339
Product Dimensions	4.5"L x 4.5"W (115 mm diameter)
Arbor Hole Diameter	7/8" (22.23 mm)
Grit Material	Zirconia
Grit Number	40 (Medium)
Construction Type	Coated
Maximum Rotational Speed	13,300 RPM (80 m/s)
Compatible Devices	Angle Grinder, Die Grinder
Item Package Quantity	10
UPC	097758673396

9. WARRANTY AND SUPPORT

Specific warranty information for the PFERD 67339 POLIFAN CURVE Flap Disc is not provided in this manual. For detailed warranty terms, technical support, or further inquiries, please contact PFERD directly or visit their official website. You can find more information about PFERD products and support at the [PFERD Store on Amazon](#).

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