

RHODIUS XT67 115 x 1, 0 x 22, 23 mm

Rhodius XT67 115x1x22.23mm Cutting Disc User Manual

Model: XT67 | Brand: RHODIUS

1. INTRODUCTION

Thank you for choosing the Rhodius XT67 cutting disc. This manual provides essential information for the safe and effective use of your cutting disc. Please read these instructions carefully before use and retain them for future reference. The Rhodius XT67 is designed for precise and efficient cutting of metal and steel materials when used with a compatible angle grinder.

2. SAFETY INFORMATION

Always prioritize safety when operating power tools and accessories. Failure to follow these safety guidelines may result in serious injury or damage to property.

General Safety Precautions:

- Always wear appropriate Personal Protective Equipment (PPE), including:
 - **Eye Protection:** Safety goggles or a face shield to protect against flying debris.
 - **Ear Protection:** Ear muffs or earplugs to prevent hearing damage from noise.
 - **Hand Protection:** Heavy-duty work gloves to protect hands.
 - **Respiratory Protection:** A dust mask to avoid inhaling fine particles.
- Ensure the angle grinder is unplugged or its battery removed before changing discs or performing any maintenance.
- Inspect the cutting disc for any damage (cracks, chips, deformation) before each use. Do not use damaged discs.
- Ensure the disc's maximum RPM rating is equal to or greater than the angle grinder's maximum RPM.
- Secure the workpiece firmly to prevent movement during cutting.
- Maintain a firm grip on the angle grinder and stand in a stable position.
- Keep bystanders and pets at a safe distance from the work area.

- Work in a well-ventilated area to disperse dust and fumes.
- **Do not use the cutting disc for grinding applications.** Cutting discs are designed for straight cuts, not for side pressure or material removal like grinding wheels.
- **Avoid applying excessive side pressure** to the disc, as this can cause the disc to break or bind.
- Store discs in a dry, safe place away from moisture and extreme temperatures.

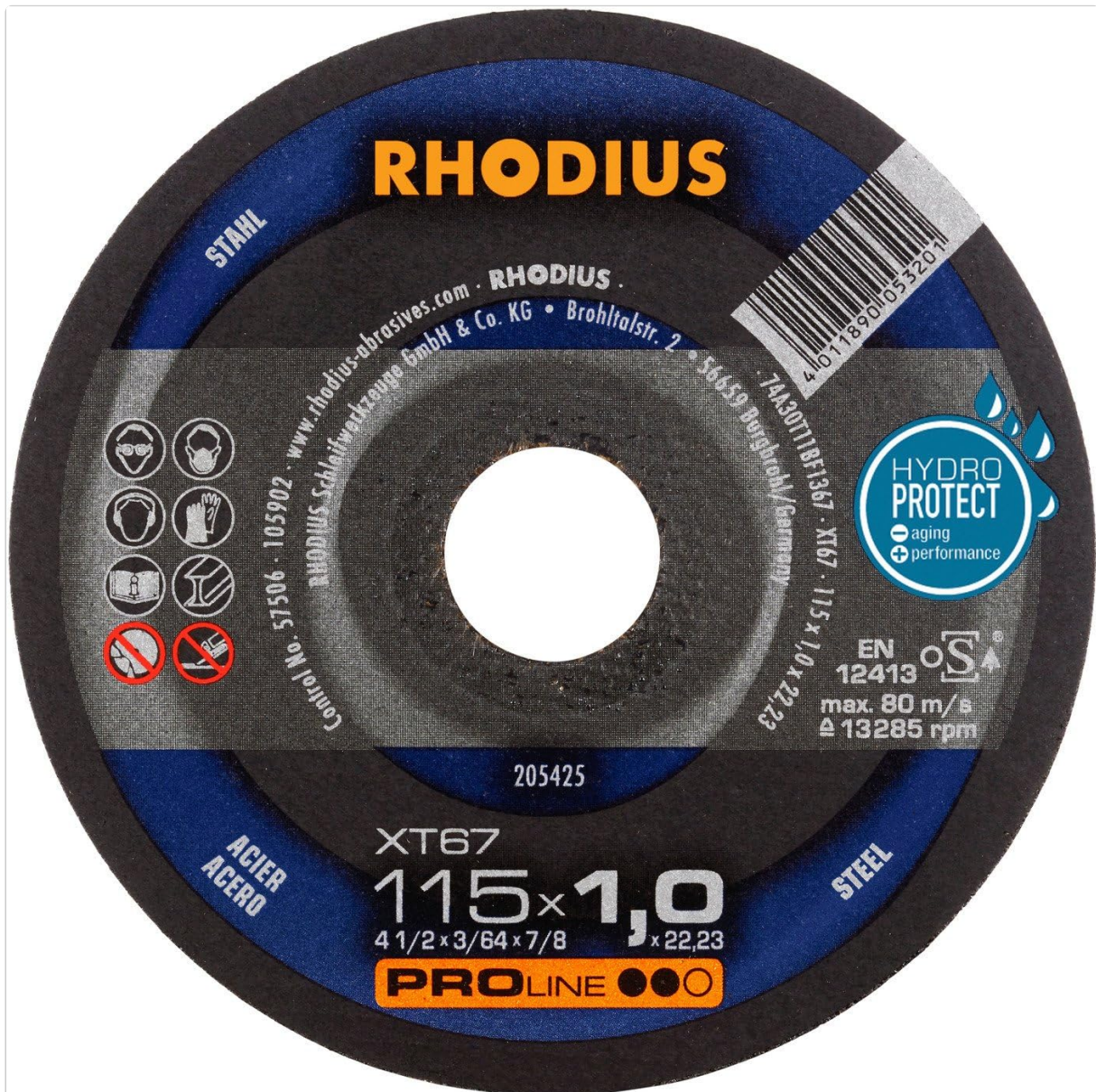


Image 1: Rhodius XT67 Cutting Disc. This image displays the cutting disc itself, highlighting key specifications and safety pictograms. The pictograms indicate the necessity of wearing eye protection, ear protection, gloves, and a dust mask, and explicitly warn against grinding and applying side pressure.

3. PRODUCT OVERVIEW

The Rhodius XT67 is a high-performance, extra-thin cutting disc engineered for efficient and clean cuts in metal and steel. Its design minimizes burr formation, reducing the need for extensive post-cutting rework.

Key Features:

- **Extra Thin Design:** For fast cutting and minimal material loss.
- **High Cutting Speed:** Optimizes work efficiency.
- **Low Spark Generation:** Enhances safety and comfort during operation.

- **Hydro Protect Technology:** Indicated for improved aging and performance.
- **Material Compatibility:** Specifically designed for cutting steel and other metals.

4. SETUP AND INSTALLATION

Proper installation of the cutting disc is crucial for safety and performance.

Steps for Disc Installation:

1. **Ensure Power is Off:** Disconnect the angle grinder from its power source (unplug or remove battery).
2. **Clean Spindle and Flanges:** Ensure the angle grinder's spindle and flanges are clean and free from debris.
3. **Position the Backing Flange:** Place the backing flange onto the spindle.
4. **Mount the Disc:** Carefully place the Rhodius XT67 cutting disc onto the spindle, ensuring it sits flush against the backing flange. The disc's bore (center hole) should match the spindle diameter (22.23 mm).
5. **Attach the Clamping Flange:** Screw the clamping flange onto the spindle, securing the disc.
6. **Tighten Securely:** Use the appropriate wrench (usually provided with the angle grinder) to tighten the clamping flange firmly. Do not overtighten.
7. **Check for Wobble:** Spin the disc by hand to ensure it is properly seated and does not wobble.
8. **Adjust Guard:** Position the safety guard to protect against sparks and debris, ensuring it does not interfere with the disc's rotation.

5. OPERATING INSTRUCTIONS

Follow these guidelines for safe and effective cutting.

Cutting Procedure:

1. **Wear PPE:** Always ensure all required Personal Protective Equipment (PPE) is worn.
2. **Secure Workpiece:** Firmly clamp the material to be cut to a stable workbench.
3. **Start Grinder:** Turn on the angle grinder and allow the disc to reach full operating speed before making contact with the workpiece.
4. **Initiate Cut:** Gently bring the rotating disc into contact with the workpiece at a shallow angle (typically 90 degrees for cutting). Apply light, consistent pressure.
5. **Maintain Control:** Guide the angle grinder smoothly through the material. Do not force the cut or apply excessive side pressure. Let the disc do the work.
6. **Avoid Binding:** If the disc binds in the cut, release the trigger immediately and allow the disc to stop before attempting to free it.
7. **Finish Cut:** Continue the cut until the material is separated. Once the cut is complete, lift the grinder away from the workpiece before releasing the trigger.
8. **Cool Down:** Allow the disc to cool down before storing.

6. MAINTENANCE AND STORAGE

Proper care extends the life of your cutting discs and ensures safe operation.

Maintenance:

- **Inspection:** Regularly inspect discs for wear, cracks, or damage. Discard any damaged or excessively worn discs immediately.
- **Cleaning:** Keep discs clean and free from grease or oil.

Storage:

- Store cutting discs in their original packaging or a suitable container to protect them from damage.
- Keep discs in a dry environment, away from moisture, direct sunlight, and extreme temperatures.
- Store discs flat to prevent warping.

7. TROUBLESHOOTING

If you encounter issues during operation, consider the following:

- **Excessive Vibration:** Check if the disc is properly mounted and tightened. Ensure the disc is not damaged or warped.
- **Slow Cutting / Overheating:** The disc may be worn, or you might be applying insufficient pressure. Ensure the disc is suitable for the material being cut.
- **Disc Breakage:** This is often caused by excessive side pressure, binding, or using a damaged disc. Always ensure proper technique and inspect discs before use.
- **Excessive Sparks:** While some sparks are normal, excessive sparks might indicate incorrect cutting angle or material.

8. SPECIFICATIONS

Attribute	Detail
Model	XT67
Brand	RHODIUS
Disc Diameter	115 mm (4 1/2 inches)
Disc Thickness	1.0 mm (3/64 inches)
Bore Diameter	22.23 mm (7/8 inches)
Material Compatibility	Metal, Steel
Maximum Rotational Speed	13285 RPM (max. 80 m/s)
Compatible Devices	Angle Grinder
Construction Type	Coated
Manufacturer	RHODIUS Schleifwerkzeuge GmbH & Co. KG
Global Trade Identification Number (GTIN)	04011890110270
Item Weight (approx.)	0.915 ounces (for a single disc)

Attribute	Detail
Number of Pieces (in pack)	10 (if purchased as a pack)

9. WARRANTY AND SUPPORT

For specific warranty information or technical support regarding your Rhodius XT67 cutting disc, please refer to the manufacturer's official website or contact their customer service directly.

Manufacturer: RHODIUS Schleifwerkzeuge GmbH & Co. KG

Website: www.rhodium-abrasives.com