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Bosch 2608601238

Bosch Expert for Metal Cutting Disc Instruction Manual

Model: 2608601238 | Brand: **Bosch**

INTRODUCTION

This instruction manual provides essential information for the safe and effective use of the Bosch Expert for Metal A 30 T BF 355 mm 2.8 mm Flat-Hub Cutting Disc. This high-quality abrasive disc is specifically designed for cutting metal materials with an angle grinder or chop saw. Please read this manual thoroughly before installation and operation to ensure optimal performance and user safety.



Image: The Bosch Expert for Metal A 30 T BF 355 mm 2.8 mm Flat-Hub Cutting Disc. This disc is engineered for precision and durability when cutting various metal types.

SAFETY INFORMATION

Always prioritize safety when working with cutting tools and abrasive discs. Failure to follow these safety guidelines can result in serious injury.

- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, protective gloves, and a dust mask when operating cutting tools with this disc.
- **Read the Tool Manual:** Before installing or using the cutting disc, thoroughly read and understand the instruction manual for your angle grinder or chop saw.
- **Inspect the Disc:** Before each use, inspect the cutting disc for any signs of damage, cracks, or deformities. Do not use a damaged disc.
- **Proper Mounting:** Ensure the disc is correctly mounted and securely fastened to the tool's spindle according to the tool

manufacturer's instructions. The bore diameter of the disc (25.4 mm) must match the tool's spindle.

- **Correct Application:** This disc is designed exclusively for cutting metal. Do not use it for grinding, deburring, or cutting other materials.
- **Avoid Side Pressure:** Never apply side pressure to the cutting disc. This can cause the disc to shatter or bind, leading to dangerous kickback.
- **Maintain Work Area:** Keep your work area clean, well-lit, and free from obstructions. Ensure proper ventilation to disperse dust and fumes.
- **Secure Workpiece:** Always secure the workpiece firmly to prevent movement during cutting.
- **Observe RPM Limits:** Ensure the maximum operating speed of your tool does not exceed the maximum RPM specified on the cutting disc (max. 4400 rpm).



Image: Important safety symbols indicating the necessity of eye protection, hearing protection, gloves, respiratory protection, reading the manual, and warnings against improper use such as side grinding. Also shows Bosch contact information.

SETUP AND INSTALLATION

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

1. **Disconnect Power:** Always ensure your angle grinder or chop saw is unplugged from the power source before attempting to install or remove any accessories.
2. **Clean Spindle and Flanges:** Clean the tool's spindle and the mounting flanges to remove any debris or dust that could prevent proper seating of the disc.
3. **Align Disc:** Place the cutting disc onto the tool's spindle, ensuring the bore (center hole) of the disc aligns perfectly with the spindle. The disc should sit flush against the inner flange.
4. **Secure Outer Flange and Nut:** Place the outer flange over the disc and thread the locking nut onto the spindle. Tighten the nut securely using the appropriate wrench provided with your tool. Do not overtighten.
5. **Check for Wobble:** After installation, manually spin the disc to check for any wobble or misalignment. If the disc wobbles, re-check the installation steps.
6. **Install Guard:** Ensure the tool's safety guard is properly installed and adjusted to provide maximum protection during operation.



Image: A user's gloved hand holding the Bosch cutting disc, positioned near a chop saw, illustrating the context of its intended use and installation.

OPERATING INSTRUCTIONS

Follow these guidelines for effective and safe cutting operations.

1. **Pre-Operation Check:** Before starting the tool, ensure all safety precautions are met, the disc is securely mounted, and the workpiece is stable.
2. **Start the Tool:** Turn on the angle grinder or chop saw and allow the disc to reach full operating speed before making contact with the workpiece.
3. **Initiate Cut:** Gently bring the spinning disc into contact with the metal workpiece. Apply steady, even pressure. Do not force the cut.

4. **Maintain Straight Cut:** Guide the tool to maintain a straight cutting line. Avoid twisting or bending the disc during the cut.
5. **Control Sparks and Debris:** Be aware of the direction of sparks and metal debris. Ensure no flammable materials are in the vicinity.
6. **Cool Down:** For prolonged cutting, allow the disc to cool periodically to prevent overheating, which can reduce disc life and performance.
7. **Complete the Cut:** Continue cutting until the workpiece is fully separated. Once the cut is complete, lift the tool away from the workpiece before turning it off.
8. **Post-Operation:** Allow the disc to stop completely before setting the tool down. Disconnect the tool from the power source after use.



Image: The Bosch Expert for Metal cutting disc actively cutting a metal profile on a chop saw, demonstrating its primary function and the sparks generated during operation.

MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the life of your cutting disc.

- **Cleaning:** After use, wipe the disc clean of any metal dust or debris. Do not use harsh chemicals or solvents.
- **Inspection:** Regularly inspect the disc for excessive wear, chipping, or any signs of damage. Replace the disc if it shows significant wear or damage.
- **Storage:** Store cutting discs in a dry, cool place, away from direct sunlight and moisture. Keep them in their original packaging or a protective container to prevent damage.
- **Handle with Care:** Always handle discs carefully to avoid dropping or impacting them, which can cause unseen damage.



BOSCH

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Image: The Bosch Expert for Metal cutting disc resting on a workbench in a workshop environment, indicating proper storage and readiness for use.

TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Excessive Vibration/Wobble	Disc not mounted correctly; Damaged disc; Worn tool spindle/flanges.	Re-mount disc, ensuring it's flush and tight. Inspect disc for damage and replace if necessary. Check tool's spindle and flanges for wear.
Slow Cutting/Poor Performance	Disc is worn; Incorrect disc for material; Insufficient tool power; Excessive pressure.	Replace worn disc. Ensure disc is rated for metal cutting. Use a tool with adequate power. Apply steady, even pressure, do not force.
Disc Overheating	Excessive continuous cutting; Too much pressure; Disc binding in workpiece.	Allow disc to cool periodically. Reduce cutting pressure. Ensure workpiece is secure and cut is straight to prevent binding.
Excessive Sparks/Burning	Disc is dull/worn; Incorrect cutting angle; Forcing the cut.	Replace disc if dull. Maintain proper cutting angle. Apply appropriate pressure.

SPECIFICATIONS

Key technical specifications for the Bosch Expert for Metal Cutting Disc (Model 2608601238):

Model Number:	2608601238
Diameter:	355 mm (14 inches)
Thickness:	2.8 mm
Bore Diameter:	25.4 mm (1 inch)
Material:	High-quality Aluminum Oxide with Phenolic Resin Bond
Grit:	A 30 T BF (Medium Grit)
Max. RPM:	4400 rpm
Max. Speed:	80 m/s
Usage:	Metal Cutting
Compatible Tools:	Angle Grinders, Chop Saws
Weight:	Approximately 667 g



Image: The Bosch Expert for Metal cutting disc clearly showing its diameter (355 mm) and bore diameter (25.4 mm) markings.

SUPPORT AND CONTACT

For further assistance, technical support, or inquiries regarding Bosch products, please contact:

Robert Bosch Power Tools GmbH

70538 Stuttgart, GERMANY

Visit our official website for more information and support resources: www.bosch-professional.com

Please note: Specific warranty information for consumable items like cutting discs may vary. Refer to your purchase documentation or the official Bosch website for details.