

GÜDE 55141

GÜDE MBS 115 Metal Bandsaw Blade Instruction Manual

Model: 55141

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use, installation, and maintenance of your GÜDE MBS 115 Metal Bandsaw Blade, Model 55141. This blade is designed for precision cutting of various metals when used with compatible GÜDE band saws.

2. SAFETY INSTRUCTIONS

Always prioritize safety when handling and operating power tools and their accessories. Failure to follow these instructions may result in serious injury.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and heavy-duty gloves, when installing, operating, or maintaining the blade.
- Ensure the band saw is disconnected from the power supply before attempting any blade installation, removal, or adjustment.
- Verify that the blade is correctly installed and tensioned according to the band saw's manufacturer instructions to prevent breakage or slippage.
- Keep hands and fingers clear of the blade path at all times during operation.
- Refer to the specific instruction manual of your GÜDE band saw (e.g., MBS 105) for detailed safety guidelines related to the machine itself.
- Do not use damaged or dull blades. Replace them immediately.

3. COMPATIBILITY

This GÜDE MBS 115 Metal Bandsaw Blade (Model 55141) is specifically designed for use with the following GÜDE band saw models:

- GÜDE MBS 105 Band Saw

Ensure the blade dimensions match the requirements of your specific band saw model. This blade has dimensions of 1140 x 13 x 0.65 mm with 14 teeth per inch (14Z).

4. INSTALLATION

Follow these general steps for installing the bandsaw blade. Always refer to your specific band saw's instruction manual for detailed, model-specific installation procedures.

1. **Power Disconnection:** Ensure the band saw is unplugged from the power source.
2. **Access Blade Area:** Open the blade covers or guards on your band saw to access the blade wheels and guides.
3. **Release Tension:** Loosen the blade tensioning mechanism to allow for easy removal of the old blade and installation of the new one.
4. **Remove Old Blade (if applicable):** Carefully remove the old blade from the wheels and guides.
5. **Install New Blade:** Place the new GÜDE MBS 115 blade onto the upper and lower wheels, ensuring the teeth are pointing downwards towards the table (or in the direction of cut as specified by your saw's manual). Guide the blade through the blade guides.
6. **Tension Blade:** Gradually tighten the blade tensioning mechanism until the blade is properly tensioned. Refer to your band saw's manual for the correct tension setting. An improperly tensioned blade can lead to poor cuts or blade breakage.
7. **Adjust Guides:** Adjust the blade guides and thrust bearings to ensure they are properly positioned relative to the blade, providing support without causing excessive friction.
8. **Close Covers:** Close all blade covers and guards securely before reconnecting power.



Figure 1: Image of the GÜDE MBS 115 metal bandsaw blade, coiled for packaging. This illustrates the product before installation.

5. OPERATION (BLADE USE)

Once the blade is correctly installed and the band saw is ready for operation, observe the following guidelines for optimal cutting performance and blade longevity:

- **Material Suitability:** This blade is designed for cutting metal. Do not use it for wood, plastic, or other materials unless explicitly stated in your band saw's manual.
- **Feed Rate:** Apply a consistent and moderate feed rate. Forcing the material through the blade too quickly can cause overheating, premature wear, or blade breakage. Too slow a feed rate can also cause excessive friction and heat.
- **Cutting Speed:** Set the band saw to the appropriate speed for the type and thickness of metal being cut. Consult your band saw's manual for recommended speed settings.
- **Coolant:** For certain metals or prolonged cuts, using a suitable cutting fluid or coolant can significantly extend blade life and improve cut quality.
- **Workpiece Securement:** Always secure the workpiece firmly to prevent movement during cutting, which can lead to inaccurate cuts or blade damage.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your bandsaw blade.

- **Cleaning:** After each use, carefully clean any metal chips or debris from the blade using a brush or compressed air (with appropriate eye protection).
- **Inspection:** Regularly inspect the blade for signs of wear, damage, or dullness. Look for cracked teeth, bent sections, or discoloration from overheating.
- **Replacement:** Replace the blade immediately if it shows signs of significant wear, damage, or if cutting performance degrades. Continuing to use a damaged blade can be dangerous and may harm your band saw.

7. TROUBLESHOOTING

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

- **Blade Breaks:**
 - *Possible Cause:* Incorrect blade tension (too high or too low).
 - *Solution:* Adjust blade tension according to your band saw's manual.
 - *Possible Cause:* Incorrect cutting speed or feed rate for the material.
 - *Solution:* Reduce feed rate or adjust cutting speed.
 - *Possible Cause:* Blade guides or bearings are misaligned or worn.
 - *Solution:* Inspect and adjust/replace guides and bearings.
- **Poor Cut Quality (Rough, Crooked Cuts):**
 - *Possible Cause:* Dull or worn blade.
 - *Solution:* Replace the blade.
 - *Possible Cause:* Insufficient blade tension.

- *Solution:* Increase blade tension.
 - *Possible Cause:* Incorrect blade guides adjustment.
 - *Solution:* Adjust blade guides for proper support.
- **Blade Slipping on Wheels:**
 - *Possible Cause:* Insufficient blade tension.
 - *Solution:* Increase blade tension.
 - *Possible Cause:* Oily or dirty wheels.
 - *Solution:* Clean the band saw wheels.

8. SPECIFICATIONS

Feature	Specification
Product Model	55141
Blade Length	1140 mm
Blade Width	13 mm
Blade Thickness	0.65 mm
Teeth Per Inch (TPI)	14Z (14 teeth per 2.54 cm)
Recommended Surface	Metal
Compatible Band Saws	GÜDE MBS 105

9. STORAGE

Proper storage helps maintain the blade's sharpness and prevents damage.

- Store blades in their original packaging or a suitable protective container to prevent accidental contact and damage to the teeth.
- Keep blades in a dry environment to prevent rust and corrosion.
- Store out of reach of children and unauthorized personnel.

10. DISPOSAL

Worn or broken blades should be disposed of responsibly. Wrap them securely to prevent injury during handling and dispose of them according to local regulations for metal waste or sharp objects.

11. WARRANTY INFORMATION

GÜDE products are manufactured to high-quality standards. For specific warranty terms and conditions applicable to your GÜDE MBS 115 Metal Bandsaw Blade, please refer to the warranty documentation provided with your original purchase or visit the official GÜDE website. This warranty typically covers manufacturing defects but does not cover normal wear and tear or damage due to improper use or installation.

12. CUSTOMER SUPPORT

For technical assistance, spare parts, or further inquiries regarding your GÜDE MBS 115 Metal Bandsaw Blade, please contact GÜDE customer support. Contact information can typically be found on the official GÜDE website or in the documentation accompanying your band saw.

Official GÜDE Website: www.guede.com (Please note: This is a placeholder URL. Refer to your product packaging or official documentation for the correct regional website.)