

Scheppach 7901200715

Scheppach Saw Blade Set (24/48/60 Teeth) Instruction Manual

Model: 7901200715

1. INTRODUCTION

Thank you for choosing the Scheppach Saw Blade Set. This manual provides essential information for the safe and effective use, installation, operation, and maintenance of your new saw blades. Please read this manual thoroughly before using the product and keep it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and extend the lifespan of your blades.

2. SAFETY INFORMATION

Always prioritize safety when working with power tools and saw blades. Failure to follow these safety guidelines can result in serious injury or damage to the equipment.

- **Personal Protective Equipment (PPE):** Always wear appropriate safety glasses, hearing protection, and work gloves when handling or operating saw blades.
- **Power Disconnection:** Ensure the power tool is disconnected from the power source before installing, removing, or performing any maintenance on the saw blade.
- **Blade Inspection:** Before each use, inspect the blade for any signs of damage, cracks, missing teeth, or excessive wear. Do not use damaged blades.
- **Correct Blade Selection:** Use the correct blade type and size for the material being cut and the specific power tool. Refer to the 'Product Overview' section for blade applications.
- **Proper Installation:** Ensure the blade is installed correctly with the teeth pointing in the direction of rotation and securely fastened according to your power tool's instructions.
- **Workpiece Security:** Always secure the workpiece firmly to prevent movement during cutting.
- **Avoid Forcing:** Do not force the blade through the material. Allow the blade to cut at its own pace. Excessive force can lead to kickback, blade damage, or injury.
- **Clean Work Area:** Keep your work area clean and well-lit. Remove any debris that could interfere with the cutting process.

- **Storage:** Store blades in their protective case in a dry, safe place, out of reach of children.

For general power tool safety guidelines, please consult your power tool's instruction manual or relevant safety standards.

3. PRODUCT OVERVIEW

The Scheppach Saw Blade Set (Model 7901200715) includes three high-quality tungsten carbide-tipped circular saw blades, each designed for specific cutting applications. These blades are suitable for various materials, offering versatility for your woodworking and metalworking projects.



Image 1: The Scheppach Saw Blade Set, including three circular saw blades, neatly stored within its durable protective case.

Included Blades and Their Applications:

- **24-Tooth Blade (Diameter 210 x 30 x 10 x 2.2 mm):**
Ideal for cutting MDF trays, laminate, and hardwood. This blade is optimized for both cross and longitudinal sections in solid wood, providing efficient material removal.



Image 2: A detailed view of the 24-tooth saw blade, showing its robust tungsten carbide teeth designed for aggressive cutting in wood and similar materials.

- **48-Tooth Blade (Diameter 210 x 30/25.4 x 2.2 mm):**

A versatile blade universally applicable for cutting wood, chipboard, laminates, and plastics. Its higher tooth count provides a finer finish compared to the 24-tooth blade.



Image 3: A close-up of the 48-tooth saw blade, highlighting its more numerous teeth suitable for smoother cuts in a wider range of materials.

- **60-Tooth Blade (Diameter 210 x 30/25.4 x 2.2 mm):**

Specifically designed for cutting aluminum, non-ferrous metals, and thin wood materials. The high tooth count ensures very clean cuts and reduces material tear-out.

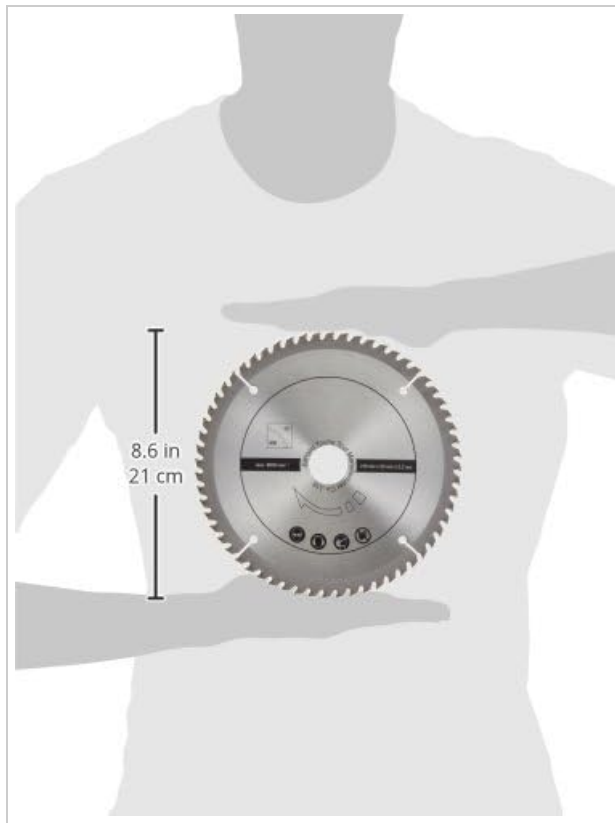


Image 4: A saw blade being held by hands, illustrating its approximate size and diameter for visual reference.

4. SETUP AND INSTALLATION

Proper installation is crucial for safe operation and optimal cutting performance. Always refer to your power tool's instruction manual for specific blade changing procedures.

1. **Disconnect Power:** Ensure the power tool is unplugged or its battery is removed before beginning any installation.
2. **Clear Work Area:** Remove any debris or obstructions from the saw's blade area.
3. **Identify Rotation Direction:** Note the rotation direction arrow on the saw blade and ensure it matches the rotation direction of your power tool.
4. **Arbor Compatibility:** Verify that the blade's arbor hole (center hole) matches the arbor size of your saw. The blades in this set have a 30mm bore, with an adapter for 25.4mm.
5. **Install Blade:** Place the blade onto the arbor, ensuring it sits flush against the inner flange.
6. **Secure Fasteners:** Install the outer flange and tighten the arbor nut securely using the appropriate wrench. Do not overtighten.
7. **Test Rotation:** Manually rotate the blade to ensure it spins freely and without wobble.
8. **Guard Adjustment:** Ensure all safety guards are properly positioned and functioning before reconnecting power.

5. OPERATING INSTRUCTIONS

Once the blade is correctly installed, follow these general operating guidelines for effective and safe cutting.

- **Material Preparation:** Ensure the material to be cut is clean, free of foreign objects (nails, screws), and securely clamped or supported.
- **Blade Selection:** Always use the appropriate blade for the material and desired cut quality as outlined in the 'Product Overview' section.

- **Starting the Cut:** Allow the saw to reach full speed before engaging the blade with the workpiece.
- **Feed Rate:** Apply a consistent and moderate feed rate. Too fast a feed rate can cause kickback, blade overheating, or poor cut quality. Too slow a feed rate can cause burning or excessive wear.
- **Cutting Depth:** Adjust the cutting depth of your saw so that the blade teeth extend slightly below the workpiece.
- **Maintain Control:** Always maintain a firm grip on the power tool and keep your body balanced.
- **Finishing the Cut:** Allow the blade to come to a complete stop before removing the saw from the workpiece or setting it down.

6. MAINTENANCE

Regular maintenance will prolong the life of your saw blades and ensure consistent performance.

- **Cleaning:** After each use, clean the blade to remove resin, sap, and dust buildup. Use a suitable blade cleaner and a stiff brush. Avoid abrasive materials that could damage the carbide tips.
- **Inspection:** Periodically inspect the blade for dullness, chipped or missing teeth, cracks, or warping. A dull blade will require more force to cut, leading to overheating and poor results.
- **Sharpening:** When blades become dull, they should be professionally sharpened by a qualified service to maintain their precision and safety. Do not attempt to sharpen carbide-tipped blades yourself unless you have specialized equipment and training.
- **Storage:** Store blades in their original protective case or a dedicated blade storage rack. Keep them in a dry environment to prevent rust and protect the teeth from damage.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Poor cut quality (rough edges, burning)	Dull blade, incorrect blade for material, too slow/fast feed rate, blade wobble.	Sharpen/replace blade, select appropriate blade, adjust feed rate, check blade installation.
Excessive vibration or noise	Loose blade, bent blade, damaged arbor, worn bearings in saw.	Tighten blade, inspect blade for damage (replace if bent), check saw arbor/bearings.
Blade overheating	Dull blade, incorrect feed rate, improper blade for material, excessive friction.	Sharpen/replace blade, adjust feed rate, ensure proper blade selection, clean blade.
Kickback	Improper workpiece support, forcing cut, dull blade, incorrect blade for material.	Secure workpiece, avoid forcing, use sharp blade, select correct blade.

8. SPECIFICATIONS

Detailed specifications for the Scheppach Saw Blade Set (Model 7901200715):

- **Brand:** Scheppach
- **Model Number:** 7901200715

- **Material:** Tungsten Carbide (Tips), Steel (Body)
- **Blade Diameter:** 210 mm (8.27 inches)
- **Arbor Hole Diameter:** 30 mm (with 25.4 mm adapter for some blades)
- **Blade Thickness:** 2.2 mm
- **Number of Teeth:** 24, 48, and 60 teeth (one of each)
- **Product Dimensions:** 8.27"L x 1.18"W (individual blade, approximate)
- **Item Weight:** Approximately 1 Kilogram (2.2 pounds) for the set
- **Color:** Silver
- **Global Trade Identification Number (GTIN):** 04046664041405

9. WARRANTY AND SUPPORT

For information regarding the warranty of your Scheppach Saw Blade Set, please refer to the warranty documentation included with your purchase or visit the official Scheppach website. Warranty terms and conditions may vary by region and retailer.

If you require technical support, have questions about product usage, or need to report a defect, please contact Scheppach customer service through their official website or the contact information provided by your retailer. When contacting support, please have your model number (7901200715) and purchase details readily available.

Scheppach Official Website: www.scheppach.com