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› Scheppach 4901501701 Band Saw Cross-Cutting Gauge User Manual

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Model: 4901501701

1. PRODUCT OVERVIEW

The Scheppach 4901501701 Cross-Cutting Gauge is an essential accessory designed for use with the Scheppach HBS300 band saw. This gauge allows for precise angular cuts, with an adjustment range from -60 degrees to +60 degrees, enhancing the versatility and accuracy of your band saw operations.

Key Features:

- Optional accessory for Scheppach HBS300 band saw.
- Enables precise cross-cutting.
- Wide adjustment range from -60° to +60° for various cutting angles.



Figure 1: Scheppach 4901501701 Band Saw Cross-Cutting Gauge. This image displays the cross-cutting gauge, featuring a silver-colored metal fence attached to a black, semicircular base. The base includes two black adjustment knobs, allowing for precise angular settings. A metal bar extends from the base, designed to slide into the band saw's miter slot.

2. SAFETY INFORMATION

Always prioritize safety when operating power tools and their accessories. Read and understand the entire manual for your Scheppach HBS300 band saw before using this cross-cutting gauge.

- Ensure the band saw is unplugged before attaching or adjusting the gauge.
- Always wear appropriate personal protective equipment (PPE), including safety glasses and hearing protection.
- Verify that the gauge is securely fastened and all adjustments are locked before making any cuts.
- Keep hands clear of the saw blade at all times.
- Do not force the workpiece through the saw. Allow the blade to cut at its own pace.
- Maintain a clean and well-lit work area.

3. SETUP

1. **Unpack the Gauge:** Carefully remove the cross-cutting gauge from its packaging. Inspect for any signs of damage.
2. **Prepare the Band Saw:** Ensure your Scheppach HBS300 band saw is turned off and unplugged from the power source. Clear the saw table of any debris.
3. **Insert into Miter Slot:** Locate the miter slot on your HBS300 band saw table. Slide the guide bar of the cross-cutting gauge into this slot. Ensure it slides smoothly and is fully seated.
4. **Secure the Gauge:** The gauge should fit snugly in the miter slot. Some models may have a locking mechanism on the guide bar; ensure it is engaged if present.

4. OPERATING INSTRUCTIONS

4.1 Adjusting the Angle

- Loosen Locking Knobs:** Identify the locking knobs on the semicircular base of the gauge. Loosen these knobs to allow the fence to pivot.
- Set Desired Angle:** The gauge features a clear scale indicating angles from -60° to +60°. Carefully pivot the fence to align with your desired cutting angle.
- Tighten Locking Knobs:** Once the desired angle is set, firmly tighten the locking knobs to secure the fence in position. Ensure there is no movement before proceeding.

4.2 Making a Cross-Cut

- Position Workpiece:** Place your workpiece firmly against the fence of the cross-cutting gauge. Ensure the workpiece is stable and will not shift during the cut.
- Power On:** Plug in and turn on your Scheppach HBS300 band saw. Allow the blade to reach full speed before beginning the cut.
- Execute Cut:** Using steady, controlled pressure, push the cross-cutting gauge and workpiece forward through the saw blade. Maintain firm contact with the fence throughout the cut.
- Complete Cut:** Continue pushing until the cut is complete. Once the cut is finished, turn off the band saw and wait for the blade to stop completely before removing the workpiece and gauge.

5. MAINTENANCE

- Cleaning:** After each use, wipe down the cross-cutting gauge with a clean, dry cloth to remove sawdust and debris. For stubborn residue, a slightly damp cloth can be used, followed by immediate drying.
- Lubrication:** Periodically apply a light coat of machine wax or dry lubricant to the guide bar to ensure smooth sliding in the miter slot. Avoid excessive lubrication that could attract dust.
- Storage:** Store the gauge in a clean, dry place, away from direct sunlight and extreme temperatures. Protect it from impacts that could affect its accuracy.
- Inspection:** Regularly inspect the gauge for any signs of wear, damage, or loose components. Ensure all locking mechanisms function correctly.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Gauge slides roughly in miter slot.	Accumulated sawdust or lack of lubrication.	Clean the miter slot and guide bar. Apply dry lubricant to the guide bar.
Inaccurate angle cuts.	Locking knobs not tightened sufficiently; gauge not calibrated.	Ensure knobs are firmly tightened. Verify angle setting with a known accurate protractor and adjust if necessary.
Workpiece shifts during cut.	Insufficient pressure against fence; workpiece not stable.	Apply firm, consistent pressure to hold the workpiece against the fence. Ensure workpiece is flat and free of obstructions.

7. SPECIFICATIONS

Attribute	Detail
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Attribute	Detail
Manufacturer	Scheppach
Part Number	4901501701
Item Model Number	4901501701
Item Weight	8.8 ounces
Product Dimensions	0.79 x 0.2 x 0.39 inches
Power Source	Hand-operated (Accessory)
Item Package Quantity	1
Number Of Pieces	1
Measurement System	Metric
Included Components	Cross-cutting gauge HBS300
Compatibility	Scheppach HBS300 Band Saw
Adjustment Range	-60° to +60°

8. WARRANTY AND SUPPORT

For specific warranty information and customer support regarding your Scheppach 4901501701 Band Saw Cross-Cutting Gauge, please refer to the official Scheppach website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

You can typically find contact information and warranty details on the manufacturer's official website or within the original product packaging.

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