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Bosch PA1204

Bosch PA1204 HSS Blades and Retainers Kit for 1594 Planer Instruction Manual

1. INTRODUCTION

This manual provides instructions for the Bosch PA1204 High-Speed Steel (HSS) Blades and Retainers Kit. This kit is designed as a replacement or spare set for the Bosch 1594 Planer, ensuring optimal performance and precise material removal. Please read this manual thoroughly before installation and use to ensure safe and correct operation.

2. PRODUCT OVERVIEW

The Bosch PA1204 kit includes two high-speed steel planer blades and their corresponding retainers. These blades are engineered for durability and sharpness, providing clean and efficient cuts on various wood types. The retainers secure the blades firmly in place within the planer.



Image 2.1: Bosch PA1204 HSS Blades and Retainers Kit. This image displays the two high-speed steel planer blades and

their associated retainers, packaged together.



Image 2.2: Assortment of Bosch Power Tool Accessories. This image shows a variety of Bosch accessories, including saw blades and drill bits, highlighting the brand's range of quality tools.

3. SAFETY INFORMATION

Always observe general safety precautions when working with power tools and sharp objects. Failure to do so may result in serious injury.

- **Disconnect Power:** Always unplug the planer from the power source before installing, removing, or adjusting blades.
- **Wear Protective Gear:** Use safety glasses, gloves, and hearing protection when operating the planer or handling blades.
- **Handle Blades Carefully:** Planer blades are extremely sharp. Handle them by the non-cutting edges to prevent cuts.
- **Inspect Blades:** Before each use, inspect blades for damage, chips, or dullness. Do not use damaged blades.
- **Secure Workpiece:** Ensure the material being planed is properly secured to prevent kickback.
- **Keep Work Area Clean:** A cluttered work area increases the risk of accidents.

4. SETUP AND INSTALLATION

Proper installation of the blades is critical for safe operation and achieving desired planing results. Refer to your Bosch 1594 Planer's specific manual for detailed instructions on accessing the blade drum.

1. **Disconnect Power:** Ensure the planer is unplugged from the power source.
2. **Access Blade Drum:** Follow your planer's instructions to open the blade guard or access the blade drum area.
3. **Remove Old Blades:** Loosen the screws or clamping mechanism holding the old blades and retainers. Carefully remove the old blades, handling them with caution as they may still be sharp.
4. **Clean Blade Seat:** Thoroughly clean any sawdust or debris from the blade seat and clamping mechanism. A clean surface ensures proper blade seating.
5. **Install New Blades:** Place a new HSS blade into the blade seat, ensuring it is correctly oriented. Position the retainer over the blade.
6. **Secure Retainers:** Tighten the clamping screws evenly to secure the blade and retainer. Do not

overtighten.

7. **Adjust Blade Height (Critical):** The height of the blades must be precisely set to ensure an even cut and prevent damage to the planer or workpiece. It is highly recommended to use a blade leveling gauge, such as the Bosch PA1206 HSS Blade Leveling Gauge, to set both blades at equal and proper depths. Without a proper gauge, achieving professional results can be challenging.
8. **Repeat for Second Blade:** Install and adjust the second blade following the same steps.
9. **Verify Security:** Double-check that both blades and retainers are securely fastened before closing the blade guard and reconnecting power.

5. OPERATING WITH NEW BLADES

Once the new blades are installed and properly adjusted, you can resume planing operations. Always follow the operating instructions provided in your Bosch 1594 Planer's user manual.

- **Test Cut:** Perform a test cut on a scrap piece of wood to verify blade adjustment and cut quality.
- **Feed Rate:** Maintain a consistent and appropriate feed rate for the material being planed.
- **Depth of Cut:** Avoid taking excessively deep cuts, which can strain the planer and dull blades prematurely.
- **Material Inspection:** Always inspect wood for nails, screws, or other foreign objects before planing, as these can severely damage the blades.

6. MAINTENANCE

Proper maintenance extends the life of your blades and ensures consistent performance.

- **Cleaning:** After each use, clean resin and sawdust buildup from the blades and blade drum area. Use a suitable cleaner designed for woodworking tools.
- **Inspection:** Regularly inspect blades for signs of wear, dullness, or damage. Replace blades when they become dull or chipped to maintain cut quality and safety.
- **Storage:** Store spare blades in their original packaging or a protective case to prevent damage and corrosion.

7. TROUBLESHOOTING

If you encounter issues during planing, consider the following:

- **Uneven Planing/Chatter Marks:** This often indicates improperly adjusted blades. Re-check blade height using a leveling gauge. It can also be caused by dull or damaged blades.
- **Blades Chipping:** This typically occurs if the blades strike metal (e.g., nails in wood) or if the material is fed too aggressively. Ensure wood is free of foreign objects.
- **Poor Cut Quality/Rough Surface:** Dull blades are the most common cause. Replace blades if they are no longer sharp.
- **Difficulty Installing Blades:** Ensure the blade seat is clean and free of debris. Verify that you are using the correct blades and retainers for your planer model.

8. SPECIFICATIONS

Model Number	PA1204
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Material	High Speed Steel
Product Dimensions	3.4"L x 2.4"W
Item Weight	4 ounces
Country Of Origin	Malaysia

9. WARRANTY

Warranty information for the Bosch PA1204 HSS Blades and Retainers Kit is not explicitly provided as these are consumable accessories. For details regarding Bosch's general accessory warranty policy, please refer to the official Bosch Power Tools website or contact customer support.

10. SUPPORT

For further assistance, technical support, or to purchase additional accessories, please visit the official Bosch Power Tools website or contact Bosch customer service directly. Always refer to your planer's original manual for specific model-related inquiries.

Bosch Official Website: www.boschtools.com

Customer Service: Refer to the Bosch website for regional contact information.