

Kreg KPHJ720PRO-21

Kreg Pocket-Hole Jig 720PRO Instruction Manual

Model: KPHJ720PRO-21

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, setup, and maintenance of your Kreg Pocket-Hole Jig 720PRO. Please read this manual thoroughly before using the product to ensure proper usage and to maximize its lifespan.

The Kreg Pocket-Hole Jig 720PRO is designed for creating strong pocket-hole joints in various wood materials, ranging from 1/2 inch to 1 1/2 inches thick. It features Automaxx® clamping technology for automatic material thickness adjustment and GripMaxx™ anti-slip material for secure workpiece holding.



Image 1.1: Kreg Pocket-Hole Jig 720PRO with included accessories, including the jig, Automaxx clamp, drill bit, stop collar, and sample screws.

2. SAFETY INFORMATION

Always wear appropriate personal protective equipment (PPE), such as safety glasses, when operating the Kreg Pocket-Hole Jig 720PRO. Ensure your workspace is clean, well-lit, and free from obstructions. Keep hands clear of moving parts and drill bits during operation. Disconnect power tools before making adjustments or changing accessories.

3. COMPONENTS AND FEATURES

The Kreg Pocket-Hole Jig 720PRO includes several key components:

- **Pocket-Hole Jig 720PRO:** The main unit with Automaxx® clamping and GripMaxx™ anti-slip material.
- **Kreg Docking Station:** Material support wings with a repeatable stop.
- **Pocket-Hole Jig Clamp:** For securing the jig to a workbench.
- **3-inch Kreg Clamp:** For securing workpieces.
- **Easy-Set Drill Bit:** With engraved markings for material thickness.
- **Stop Collar:** For setting drill depth.
- **Hex Wrench:** For adjusting the stop collar.
- **Driver Bit:** Square-drive bit for pocket-hole screws.
- **Sample Kreg Pocket-Hole Screws:** A starter pack of screws.



Image 3.1: The Kreg Pocket-Hole Jig 720PRO features convenient onboard storage for the drill bit, driver bit, and hex wrench.

AUTOMAXX® DUAL-ACTION CLAMPING TECHNOLOGY

**SELF-ADJUSTING CLAMP AND
DRILL GUIDE SETUP**



**AUTOMATIC MATERIAL-THICKNESS SETTING
FOR MATERIALS ½" TO 1½" THICK**

Image 3.2: Illustration of the Automaxx® Dual-Action Clamping Technology, which automatically adjusts to material thickness from 1/2" to 1 1/2".

PATENTED QUICK SETUP DRILL BIT

PRESET MATERIAL THICKNESS
SETTINGS WITH THE EASY-SET
DRILL BIT AND STOP COLLAR



Image 3.3: The patented Quick Setup Drill Bit with engraved markings for 1/2", 3/4", and 1 1/2" material thicknesses, used with the stop collar for precise depth setting.

4. SETUP

4.1 Attaching the Docking Station

The Kreg Docking Station material support wings attach to the main jig unit. Align the tabs on the wings with the slots on the jig and slide them into place until they click securely. These wings provide additional support for larger workpieces and include a repeatable stop for consistent positioning.

4.2 Securing the Jig

For optimal stability, secure the Pocket-Hole Jig 720PRO to your workbench using the included Pocket-Hole Jig Clamp. Position the clamp to firmly hold the jig in place, preventing movement during drilling operations.

4.3 Setting Drill Bit Depth

The Easy-Set Drill Bit has engraved markings for common material thicknesses (1/2", 3/4", 1 1/2").

1. Identify the thickness of your workpiece.
2. Slide the stop collar onto the drill bit and align it with the corresponding thickness marking.
3. Tighten the stop collar securely using the hex wrench.
4. Insert the drill bit into your drill chuck and tighten it firmly.



Image 4.1: Demonstrates the simple and easy setup process, highlighting the Automaxx® clamping and the quick setup drill bit for efficient operation.

5. OPERATING INSTRUCTIONS

5.1 Drilling Pocket Holes

1. Place your workpiece into the jig, ensuring it rests firmly against the GripMaxx™ anti-slip surface.
2. Engage the Automaxx® clamp handle. The clamp will automatically adjust to the material thickness and secure the workpiece.

3. Insert the Easy-Set Drill Bit into the drill guide.
4. With your drill set to a moderate speed, begin drilling. Apply steady, even pressure until the stop collar contacts the drill guide, indicating the correct depth has been reached.
5. Retract the drill bit from the workpiece.
6. Release the Automaxx® clamp handle and remove the workpiece.



Image 5.1: A workpiece secured in the Kreg Pocket-Hole Jig 720PRO, demonstrating the clamping mechanism and readiness for drilling pocket holes.

5.2 Joining Workpieces

After drilling pocket holes, use Kreg Pocket-Hole Screws to join your workpieces.

1. Align the workpieces to be joined.
2. Use a Kreg clamp (such as the included 3-inch Kreg Clamp) to hold the workpieces securely together, ensuring the joint is flush.
3. Insert the appropriate Kreg Pocket-Hole Screw into the pocket hole. Refer to [Kreg's screw selection guide](#) for the correct screw type and length based on material type and thickness.
4. Drive the screw using the square-drive bit until it is flush with the bottom of the pocket hole. Do not overtighten.



Image 5.2: A workpiece being clamped with a Kreg clamp, ready for joining using pocket-hole screws.

6. MAINTENANCE

Regular maintenance ensures the longevity and performance of your Kreg Pocket-Hole Jig 720PRO.

- **Cleaning:** After each use, clear wood chips and dust from the drill guides and clamping mechanism using a brush or compressed air.
- **Lubrication:** Periodically apply a small amount of dry lubricant (e.g., silicone spray) to the clamping mechanism and drill guide surfaces to ensure smooth operation. Avoid oil-based lubricants as they can attract dust.
- **Drill Bit Sharpening/Replacement:** A sharp drill bit is crucial for clean pocket holes. Replace or sharpen the Easy-Set Drill Bit when it becomes dull or shows signs of wear.
- **Storage:** Store the jig and its accessories in a clean, dry environment. The onboard accessory storage helps keep components organized.

7. TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
Wood chips clogging drill guide	Accumulation of sawdust	Clear with brush or compressed air. Ensure proper dust collection if available.
Drill bit not cutting cleanly	Dull or damaged drill bit	Replace or sharpen the Easy-Set Drill Bit.
Workpiece shifting during drilling	Insufficient clamping pressure; worn GripMaxx™ material	Ensure Automaxx® clamp is fully engaged. Clean GripMaxx™ surface. If worn, contact Kreg support.
Screws stripping or not seating properly	Incorrect screw length/type; overtightening; dull driver bit	Use correct Kreg Pocket-Hole Screws for material thickness. Avoid overtightening. Replace worn driver bit.

8. SPECIFICATIONS



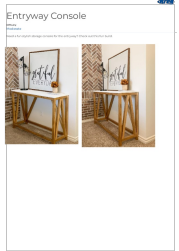



- **Model:** KPHJ720PRO-21
- **Material Compatibility:** Wood, plywood, MDF
- **Material Thickness Capacity:** 1/2 inch to 1 1/2 inches (13mm to 38mm)
- **Clamping Mechanism:** Automaxx® automatic adjustment
- **Anti-Slip Surface:** GripMaxx™
- **Power Source:** Hand Powered (requires external drill)
- **Included Components:** Pocket-Hole Jig 720PRO, Docking Station, Pocket-Hole Jig Clamp, 3-inch Kreg Clamp, Easy-Set Drill Bit, Stop Collar, Hex Wrench, Driver Bit, Sample Screws.
- **Product Dimensions:** Approximately 18 x 8 x 11 inches (Jig with Docking Station)
- **Item Weight:** Approximately 14.27 pounds

9. WARRANTY AND SUPPORT

Kreg Tool Company stands behind its products. For warranty information, product registration, or technical support, please visit the official Kreg website or contact their customer service department.

Official Kreg Website: www.kregtool.com

For additional resources, including project plans and instructional videos, explore the Kreg website.

 <p>OWNER'S MANUAL Kreg Pocket-Hole XL Jig Manual applies to Item # KPHJ920</p>	<p>Kreg Pocket-Hole XL Jig Owner's Manual - KPHJ920</p> <p>Comprehensive owner's manual for the Kreg Pocket-Hole XL Jig (KPHJ920), providing instructions on assembly, operation, safety precautions, tips, and accessories for woodworking projects.</p>
 <p>OWNER'S MANUAL Kreg Kreg Pocket-Hole Jig 700-Series Manual applies to all 700-Series Pocket-Hole Jigs</p>	<p>Kreg Pocket-Hole Jig 700-Series Owner's Manual</p> <p>Comprehensive owner's manual for the Kreg Pocket-Hole Jig 700-Series, covering assembly, operation, safety precautions, maintenance, and accessories. Learn how to use your Kreg Jig for efficient pocket-hole joinery.</p>
 <p>Entryway Console</p>	<p>Build a Stylish Entryway Console: Kreg DIY Project Guide</p> <p>Follow this step-by-step guide from Kreg to build your own entryway console. Learn about the necessary tools, materials, cut list, and assembly process for a functional and attractive piece of furniture.</p>
 <p>DB210-EUR FOREMAN Pocket-Hole Machine INSTRUCTION MANUAL</p>	<p>Kreg Foreman DB210-EUR Pocket-Hole Machine: Instruction Manual</p> <p>This comprehensive instruction manual guides users through the safe operation, assembly, and maintenance of the Kreg Foreman DB210-EUR Pocket-Hole Machine, a key tool for woodworking projects. Learn to create strong joints efficiently.</p>
 <p>OWNER'S MANUAL Kreg Micro Pocket-Hole Jig Manual applies to Item # KPHJ230</p>	<p>Kreg Micro Pocket-Hole Jig Owner's Manual</p> <p>Comprehensive owner's manual for the Kreg Micro Pocket-Hole Jig (Item # KPHJ230). Covers safety, assembly, operation, tips, care, troubleshooting, and accessories for woodworking projects. Includes contact information and support resources.</p>
 <p>OWNER'S MANUAL Kreg Kreg® Rebel™ 20V Ionic Drive Pocket-Hole Joiner Manual applies to Item # KPTRB1000</p>	<p>Kreg Rebel™ 20V Ionic Drive Pocket-Hole Joiner Owner's Manual</p> <p>This owner's manual provides comprehensive instructions for the Kreg Rebel™ 20V Ionic Drive Pocket-Hole Joiner (Model KPTRB1000), covering safety, setup, operation, and maintenance for woodworking projects.</p>

