kwb 758000

kwb DÜBELPROFI Universal Dowel Jig Instruction Manual

Model: 758000

Introduction

The kwb DÜBELPROFI Universal Dowel Jig is a versatile and precise woodworking tool designed for creating accurate dowel holes. This jig facilitates the creation of strong and clean corner, angle, and surface connections in various materials, including wood, tiles, and pipes. Its design incorporates a parallel stop and a bore hole sensor to ensure drilling accuracy. The integrated rubber anti-slip protection allows for stable use on smooth surfaces.
This manual provides essential information for the safe operation, setup, and maintenance of your kwb DÜBELPROFI Universal Dowel Jig. Please read it thoroughly before first use and keep it for future reference.





Image: The kwb DÜBELPROFI Universal Dowel Jig as it appears in its retail packaging, highlighting its features and applications.

Safety Instructions

Always observe the following safety precautions when using the kwb DÜBELPROFI Universal Dowel Jig:

- **Read the entire manual:** Understand all instructions and warnings before operation.
- **Wear appropriate safety gear:** Always wear safety glasses, hearing protection, and gloves.
- **Secure your workpiece:** Ensure the material being drilled is firmly clamped or held to prevent movement.
- **Use sharp drill bits:** Dull drill bits can cause kickback or inaccurate holes.
- **Maintain a clean work area:** Cluttered areas invite accidents.
- **Keep children and bystanders away:** Do not allow others to touch the tool or workpiece during operation.

- **Do not force the tool:** Allow the drill bit to do the work.
- **Disconnect power:** Always unplug your drill before making adjustments or changing drill bits.
- **Inspect the jig:** Before each use, check the jig for any damage or wear. Do not use if damaged.

Product Overview

The kwb DÜBELPROFI Universal Dowel Jig consists of several key components designed for precision and ease of use:

- **Main Jig Body:** The primary structure holding all components.
- **Adjustable Parallel Stop:** Used to set the drilling distance from the edge of the workpiece.
- **Bore Hole Sensor:** Aids in precise alignment for various joint types.
- **Drill Bushings:** Integrated guides for different drill bit diameters (e.g., 6mm, 8mm, 10mm).
- **Rubber Anti-slip Protection:** Ensures stability on smooth surfaces.
- **Handle:** Provides a secure grip during operation.

Setup

Before beginning any drilling operation, ensure the jig is properly set up for your specific task:

1. **Select the appropriate drill bit:** Choose a drill bit that matches the desired dowel diameter and insert it into your drill. Ensure the drill bit is sharp and free of damage.
2. **Adjust the parallel stop:** Loosen the adjustment knob and slide the parallel stop to the desired distance from the edge of your workpiece. Tighten the knob securely. This ensures consistent hole placement.
3. **Determine drilling depth:** If your drill does not have a depth stop, use a drill stop collar on your drill bit to prevent drilling too deep. The depth should be half the dowel length plus a small allowance for glue.
4. **Prepare the workpiece:** Mark the drilling locations on your workpiece. Ensure the surface is clean and free of debris.

Operating Instructions

The kwb DÜBELPROFI Universal Dowel Jig can be used for various joint types. Follow these steps for accurate drilling:

1. Edge Drilling (Surface Connections)

For drilling holes along the edge of a board, typically for surface-to-surface or T-joints.

1. **Position the jig:** Place the jig onto the edge of your workpiece, aligning the parallel stop with the edge.
2. **Secure the jig:** Hold the jig firmly against the workpiece using the handle. The rubber anti-slip protection will help maintain stability. For added security, the jig can be clamped if necessary.
3. **Drill the hole:** Insert the drill bit into the appropriate drill bushing. Ensure the drill is perpendicular to the jig. Begin drilling at a moderate speed, applying steady pressure until the desired depth is reached.
4. **Repeat:** Reposition the jig for subsequent holes as marked on your workpiece.



Image: The dowel jig positioned on the edge of a wooden board, ready for drilling a dowel hole. A drill is shown inserting a drill bit into the jig's bushing.

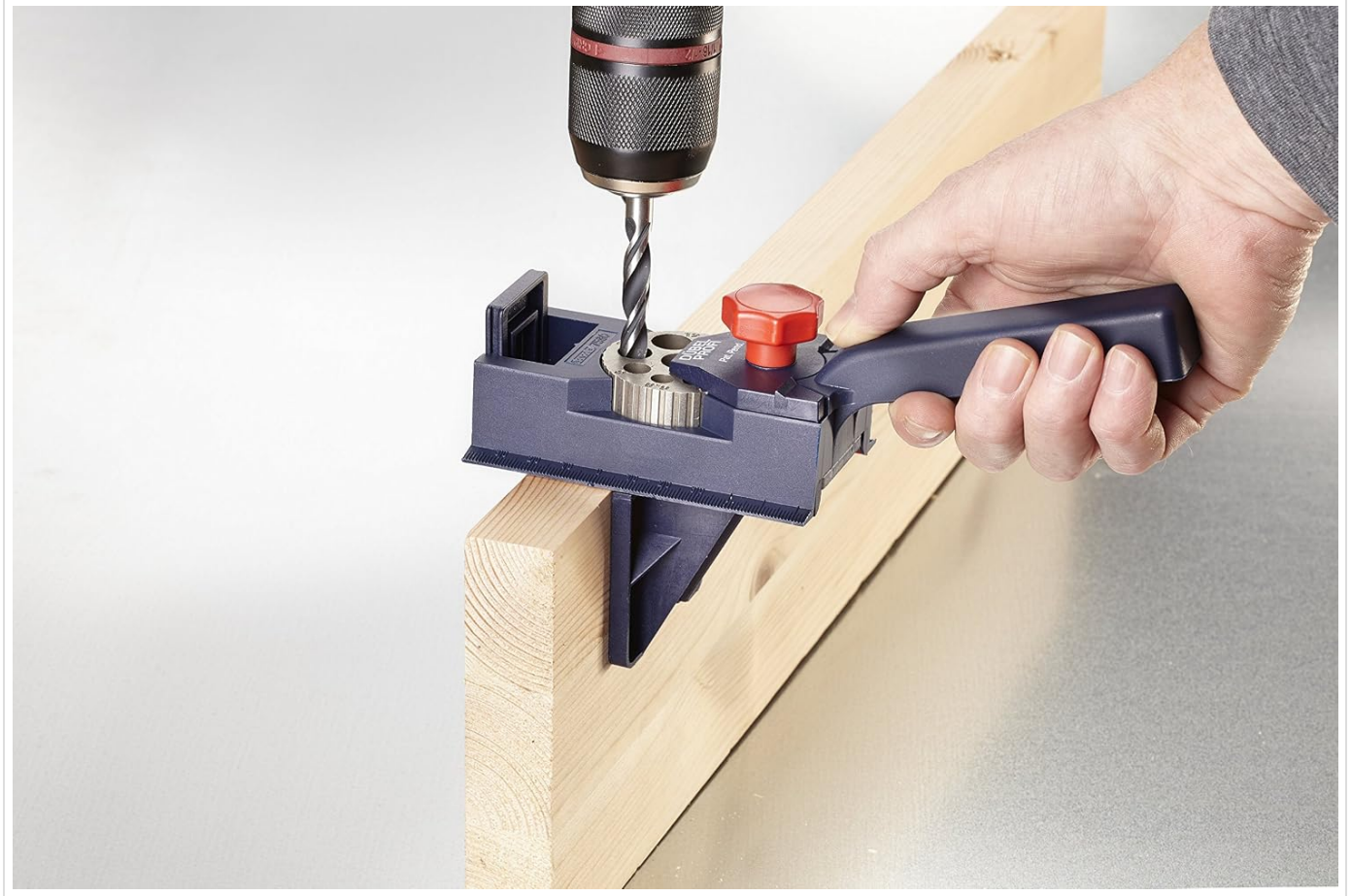


Image: The dowel jig positioned on the face of a wooden board, demonstrating how to drill holes for surface connections.



Image: An example of a T-joint connection in wood, secured with dowels, illustrating a common application of the jig.

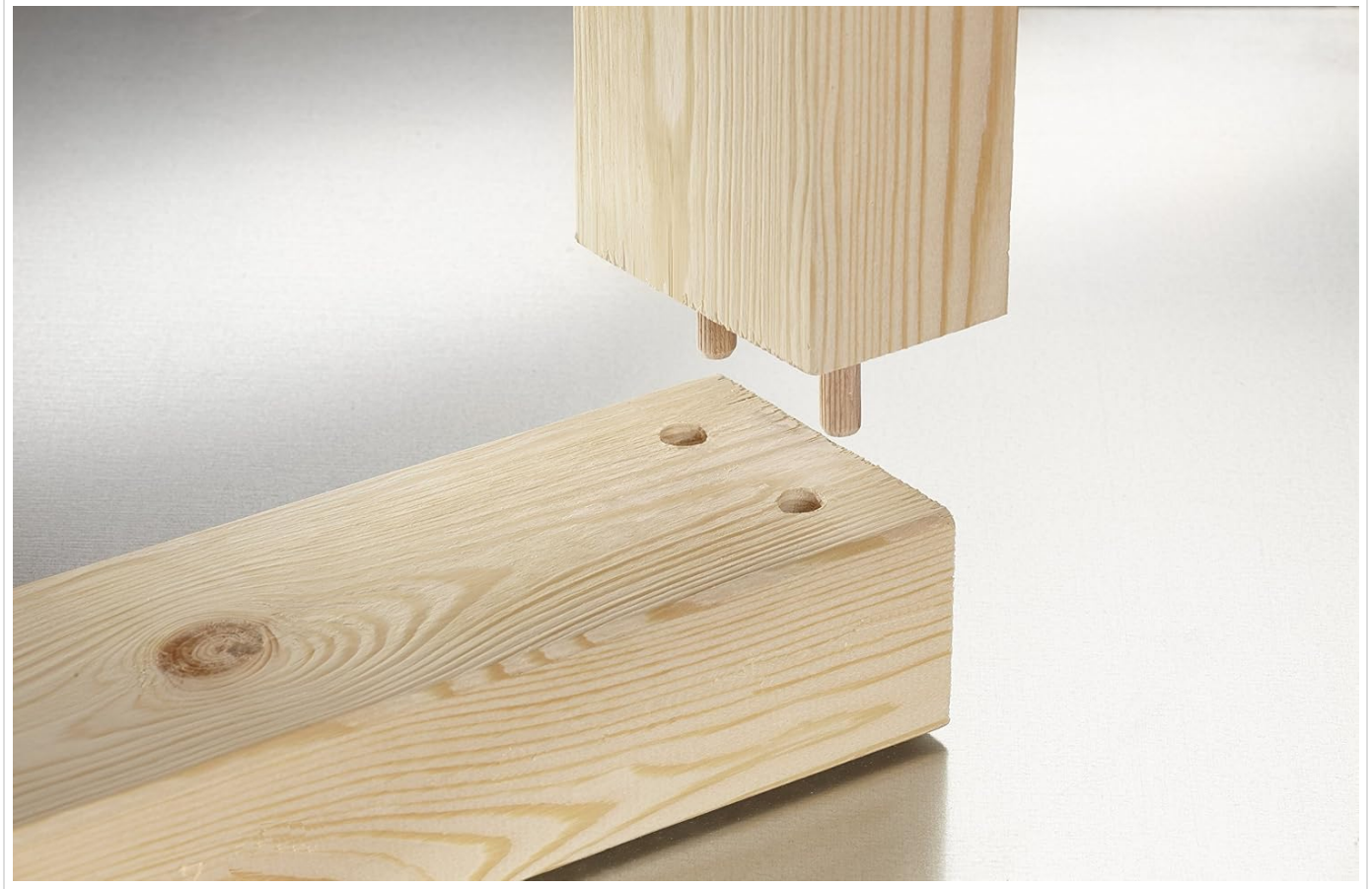


Image: An example of a corner joint connection in wood, secured with dowels, demonstrating another common application of the jig.



Image: An example of two wooden boards joined flush using dowels, showcasing a strong surface connection.

2. Angle Drilling (Miter Joints)

For drilling holes in mitered edges to create strong angle joints.

1. **Prepare the angle:** Ensure your workpiece has a precisely cut angle (e.g., 45 degrees for a 90-degree corner).
2. **Position the jig:** Place the jig on the mitered edge. The bore hole sensor and parallel stop will assist in aligning the jig correctly along the angled surface.
3. **Secure and drill:** Hold the jig firmly and drill the hole as described for edge drilling.



Image: An example of two mitered wooden pieces joined at an angle using dowels, demonstrating the jig's capability for angle connections.

3. Drilling on Smooth Surfaces (Tiles, Pipes)

The rubber anti-slip protection allows for stable drilling on challenging surfaces.

1. **Clean the surface:** Ensure the tile or pipe surface is clean and dry for maximum grip.
2. **Position the jig:** Place the jig directly on the marked drilling spot. The rubber anti-slip pads will help prevent movement.
3. **Apply steady pressure:** Hold the jig very firmly to prevent slipping. Use a suitable drill bit for the material (e.g., tile drill bit for tiles).
4. **Drill carefully:** Start drilling at a low speed and gradually increase. Maintain consistent pressure.



Image: The dowel jig being used to drill a hole into a tile surface, demonstrating its versatility beyond woodworking.



Image: An alternative perspective of the dowel jig in use on a tile surface, showing the drill and jig components during operation.

Maintenance

Proper maintenance ensures the longevity and accuracy of your kwb DÜBELPROFI Universal Dowel Jig:

- **Cleaning:** After each use, wipe down the jig with a dry cloth to remove sawdust, dust, or debris. Do not use harsh chemicals or solvents.
- **Inspection:** Regularly inspect the drill bushings for wear or damage. Worn bushings can lead to inaccurate drilling. Check the parallel stop and adjustment knob for proper function.
- **Storage:** Store the jig in a clean, dry place, away from direct sunlight and extreme temperatures.

Troubleshooting

If you encounter issues while using your dowel jig, consider the following:

- **Inaccurate Holes:**
  - Ensure the parallel stop is securely tightened.
  - Verify the jig is held firmly against the workpiece and not shifting during drilling.
  - Check if the drill bit is sharp and not wobbling in the drill chuck.
  - Inspect drill bushings for wear.
- **Jig Slipping on Smooth Surfaces:**
  - Ensure the surface is clean and dry.
  - Apply more firm, downward pressure on the jig.
  - Consider clamping the jig to the workpiece if possible for maximum stability.
- **Difficulty Inserting Drill Bit:**
  - Ensure you are using a drill bit that matches one of the jig's integrated bushing sizes.
  - Check for debris inside the drill bushing.

Specifications

Brand	kwb
Model Number	758000
Item Weight	0.28 kg
Item Dimensions (L x W x H)	4.34"L x 1.47"W x 2.48"H
Compatible Devices	Drill (including hand drill and stationary drill)
Additional Features	Portable, Rubber Anti-slip Protection, Parallel Stop, Bore Hole Sensor

Warranty

Information regarding the warranty for the kwb DÜBELPROFI Universal Dowel Jig is not provided in this manual. Please refer to the manufacturer's official website or the product packaging for detailed warranty terms and conditions.

Support

For technical assistance, replacement parts, or further inquiries regarding your kwb DÜBELPROFI Universal Dowel Jig, please contact kwb customer support through their official website or the contact information provided on the product packaging.

Note on Videos: No official product videos from the seller were available for embedding in this manual.

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