

wolfcraft 2916000

wolfcraft Dowel Kit 2916000 Instruction Manual

Model: 2916000

PRODUCT OVERVIEW

The wolfcraft Dowel Kit 2916000 provides essential tools for creating precise dowel joints in various wood materials. This kit is designed to facilitate accurate drilling and alignment for strong, stable connections in woodworking projects.

It is suitable for use with wood, plywood, chipboard, and hard fibre board. The kit includes components for marking drill positions, drilling holes to a specific depth, and securing joints with dowel pins.

KIT CONTENTS

The wolfcraft Dowel Kit 2916000 includes the following components:

- **4 Centre Points:** Used for accurately transferring drill positions. (Ø 6 mm)
- **1 Dowel Drill Bit:** Precision-ground with a rough cutter and centring tip for clean holes. (Ø 6 mm)
- **1 Depth Stop:** Ensures consistent drilling depth. (Ø 6 mm)
- **25 Dowel Pins:** Wooden pins for creating strong joints. (Ø 6 mm)



Image: All components of the wolcraft Dowel Kit 2916000, including center points, drill bit, depth stop, and dowel pins.

SETUP

1. **Prepare Workpiece:** Ensure the wood pieces to be joined are clean, dry, and cut to the desired dimensions.
2. **Install Depth Stop:** Slide the depth stop onto the 6mm dowel drill bit. Adjust its position to match the desired drilling depth, typically half the length of the dowel pin. Secure the depth stop firmly.
3. **Insert Drill Bit:** Place the assembled drill bit and depth stop into your drill chuck and tighten securely.

OPERATING INSTRUCTIONS

1. **Mark First Piece:** On the first workpiece, mark the exact locations where the dowel holes are to be drilled.
2. **Drill First Piece:** Position the drill bit precisely on the marked points. Drill straight into the wood until the depth stop makes contact with the surface. Ensure the drill is held perpendicular to the workpiece to create straight holes.



Image: A drill bit with a depth stop creating a precise hole in a piece of plywood.

3. **Insert Centre Points:** After drilling, insert the 6mm centre points into the newly drilled holes on the first workpiece.
4. **Transfer Marks to Second Piece:** Align the second workpiece precisely with the first piece in the desired final position. Press the two pieces firmly together. The sharp tips of the centre points will leave small indentations on the second workpiece, marking the exact locations for the corresponding dowel holes.
5. **Drill Second Piece:** Remove the first workpiece and drill holes into the second workpiece at the marked indentations, using the same technique and depth stop setting as before.
6. **Assemble Joint:** Apply wood glue into the drilled holes and onto the dowel pins. Insert the dowel pins into the holes of one workpiece. Then, align the second workpiece and press it onto the dowel pins to create the joint. Clamp the joint until the glue dries.

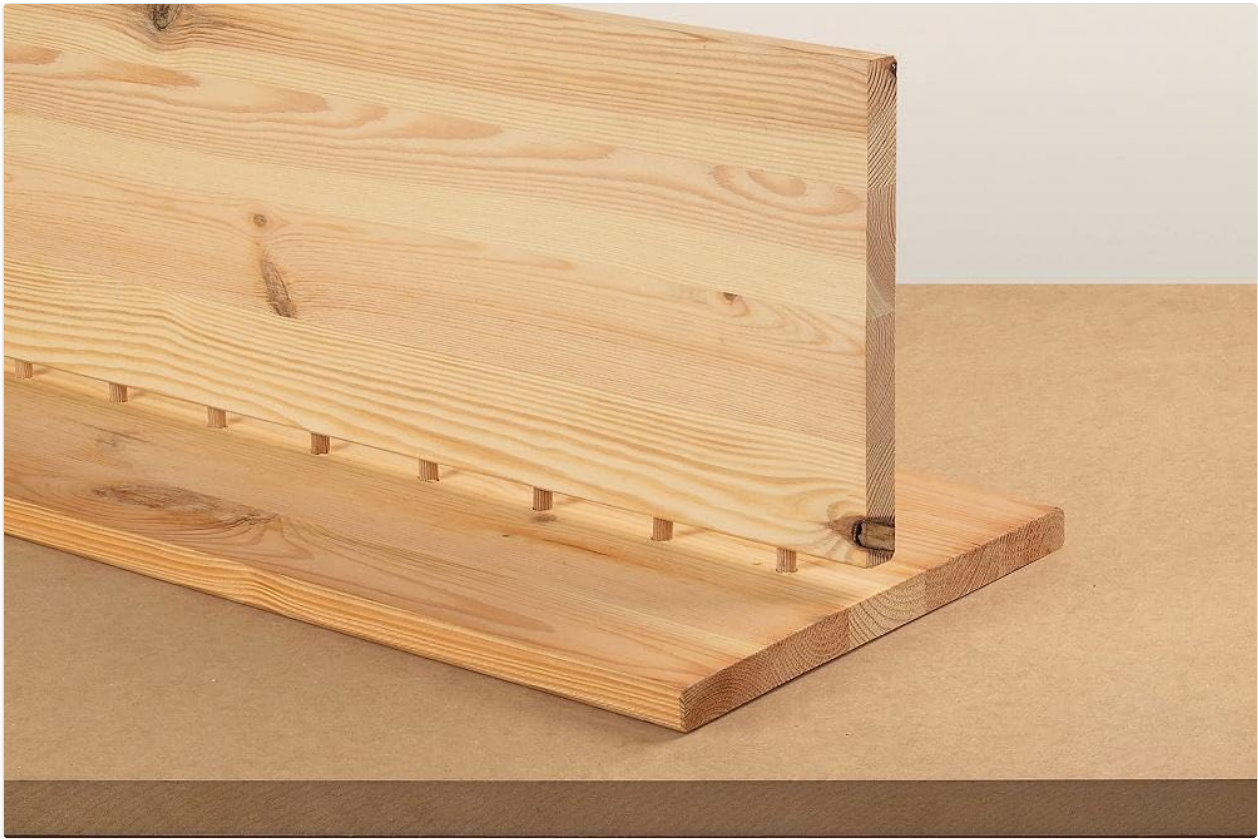


Image: A completed dowel joint, showing two pieces of wood securely connected with dowel pins.

MAINTENANCE

- **Clean Components:** After each use, clean the drill bit, depth stop, and centre points to remove wood dust and debris. A brush or compressed air can be used.
- **Inspect for Wear:** Regularly inspect the drill bit for sharpness and damage. A dull drill bit can lead to splintering or inaccurate holes.
- **Storage:** Store all kit components in a dry place to prevent rust and damage. Keep them organized to ensure all parts are readily available for future use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Inaccurate or misaligned holes	Improper marking; drill not held perpendicular; centre points not pressed firmly.	Ensure precise marking. Use a drill guide if available. Press centre points firmly to create clear indentations.
Dowel pins too loose or too tight	Incorrect drill bit size; inconsistent drilling depth.	Verify the drill bit is 6mm. Ensure the depth stop is correctly set and consistently used.
Wood splintering around holes	Dull drill bit; drilling too fast; incorrect wood type.	Replace or sharpen the drill bit. Reduce drilling speed. Use a sacrificial backer board when drilling through.

SPECIFICATIONS

Model Number	2916000
Brand	wolcraft
Material	Wood (for dowel pins), Metal (for drill bit, depth stop, centre points)
Dowel Diameter	6 mm
Included Components	4 Centre Points (Ø 6 mm), 1 Dowel Drill Bit (Ø 6 mm), 1 Depth Stop (Ø 6 mm), 25 Dowel Pins (Ø 6 mm)
Item Dimensions (L x W x H)	1.1 x 4.33 x 5.91 inches
Item Weight	2.32 ounces

WARRANTY AND SUPPORT

For warranty information or technical support regarding your wolcraft Dowel Kit 2916000, please refer to the official wolcraft website or contact their customer service directly. Keep your purchase receipt as proof of purchase.
Note: Specific warranty terms may vary by region and retailer.

