

DOWEL JIG KIT

COMPONENTS

1. Doweling Jig
2. Fence
3. 30 x Fluted Dowel Pins – 10 x 1/4", 10 x 5/16", 10 x 3/8"
4. 1 x 2.5mm Hex Key Wrench
5. 3 x Brad Point Drill Bits - 1/4", 5/16", 3/8"
6. 3 x Depth Stops 1/4", 5/16", 3/8"
7. 12 x Center Points – 4 x 1/4", 4 x 5/16", 4 x 3/8"



SAFETY WARNING: Read, understand, and follow your power tool manufacturer's instructions for safety. Always wear safety glasses or eye shields before commencing power tool operation. Always keep hands, face, and body at a safe distance from spindles and cutting tools. Always keep a firm grip on tool handles when in operation. Always disconnect from power source before adjusting power tools.

TIPS

1. For narrow stock pieces it may be necessary to shorten the dowel pin or to drill a deeper hole in the edge of the matching board.
2. It is always a good idea to make practice joints on scrap stock pieces before using your new dowel jig.
3. Be sure to use the depth stop to prevent drilling too deep and to achieve desired drilling depth on all your holes.
4. Only use 1/4", 5/16" and 3/8" drill bits with this jig to avoid damage. Always withdraw the bit to clear out the wood shavings from the hole and drill bit.
5. Don't glue up your boards until you have the entire dowel joining process complete. Gluing your stock too soon may result in an undesirable fit of your joints.

NEED ASSISTANCE?

Call us on our toll-free customer support line:

1-866-349-8665 (Monday-Friday 9am-5pm Eastern Standard Time)

- Technical questions
- Replacement parts
- Parts missing from package

USING THE DOWEL JIG

6. Choose the best dowel pin size based on the thickness of your project boards.

BOARD THICKNESS	DOWEL PIN/DRILL BIT	BOARD THICKNESS	DOWEL PIN/DRILL BIT
1/2"-5/8"	1/4"	13mm-16mm	6mm
5/8"-3/4"	5/16"	16mm-19mm	8mm
3/4"-1 1/2"	3/8"	19mm-38mm	10mm

7. Determine the drilling depth, based on the joint you are making.

NOTE: Holes generally should be drilled 1/8" deeper than the length of the dowel's insertion depth, to provide room for glue.

8. Position your workpieces exactly as they will be when joined. Make sure the faces and edges are flush.
9. Using a combination or try square, mark a line across the joint at the desired location(s) on both workpieces. This will serve as a registration mark for aligning the Doweling Jig on each workpiece.
10. To attach the fence to the jig, loosen the two screws located on the top of the jig with a flat head screwdriver. Do not remove them. Turn the jig over and slide the fence under the two square nuts. Adjust as necessary, set position and tighten the two screws on top of the jig.
11. Secure the first workpiece in a vise or clamp. Position the Doweling Jig on the workpiece. Align with the mark(s) you drew on the workpiece.
12. If needed, clamp the jig securely to the workpiece.
13. Select the drill bit that corresponds to the selected dowel size and put the depth stop on the drill bit at the desired depth. Tighten and loosen the depth stop with the supplied hex key.
14. Drill through the Dowel Jig and into the edge of the board. Repeat, as necessary.

15. After all holes have been drilled, place dowel pins in each hole WITHOUT GLUE. These will be used to position the guide for drilling holes in board #2
16. Place appropriate center point in each of the dowel holes, line up the mating piece and press to mark the location for the corresponding hole on board #2.
17. Repeat steps 4-8 above. Drill holes in board #2 and clamp, as necessary.
18. Apply wood glue to the dowel pins and assemble the joint.

Note: You may want to dry fit your joints before applying the glue to ensure proper alignment of your boards

BENCHMARK WARRANTY

If this Benchmark tool fails due to a defect in material or workmanship within five years from the date of purchase, return it to any Home Hardware store with the original bill of sale for exchange. 3-year warranty for the battery and charger. This warranty does not include expendable parts including but not limited to blades, brushes, belts, light bulbs. This warranty covers defects in material or workmanship only. It does not cover normal wear and tear, failure due to abuse/misuse, or defects caused by careless or accidental mishandling. If this Benchmark product is used for commercial or rental purposes, this warranty does not apply.



BENCHMARK TOOLS CANADA

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