



Dowel jig for 2x4 lumber (openscad file attached)

 **renschler**

[VIEW IN BROWSER](#)

updated 10. 10. 2022 | published 10. 10. 2022

Summary

Doweling jig for 2x4s. Make sure the jig is clamped in place securely before drilling your holes. The example picture...

[Hobby & Makers](#) > [Tools](#)

Doweling jig for 2x4s.

Make sure the jig is clamped in place securely before drilling your holes.

The example picture attached isn't the best because I had used a forstner bit and the dowel holes ended up not being straight. For best results don't use a forstner bit ... once the head goes through the dowel jig the remainder of the bit is narrower in diameter and so the jig no longer acts as a guide. Use a normal bit instead.

For the spacers I used these 1/2" spacers with (5/8" outer diameter) available from Lowes <https://www.lowes.com/pd/Hillman-1-2-in-x-5-8-in-Plain-Steel-Standard-SAE-Flat-Washer/3012480>

I wouldn't use the same spacers next time. Sometimes they would catch on my drill bit (not fun). Instead I would look into getting some oil-embedded bronze sleeve bearings from McMaster-Carr <https://www.mcmaster.com/catalog/125/1232>. I use those for my pocket-hole jig and they work great.

I attached some grip tape to both sides of the neck of the dowel jig <https://www.homedepot.com/p/3M-4-in-x-15-ft-Safety-Walk-Step-and-Ladder-Tread-Tape-7636NA/100211722>. I thought it might help keep things from slipping, but probably not necessary.

I uploaded the openscad file so you can tinker with the dimensions (sorry I didn't spend anytime cleaning up the code).

Here's the depth stop I have on my drill bit: <https://www.thingiverse.com/thing:2783491>

Category: Tools

Model files



dowel_jig_template.scad



dowel_jig_2x4_3dowels_5_8th_inch_spacers.stl

[Find source .stl files on Thingiverse.com](#)

License ©

This work is licensed under a
[Creative Commons \(4.0 International License\)](#)



Attribution-NonCommercial

-
- ✗ | Sharing without ATTRIBUTION
 - ✓ | Remix Culture allowed
 - ✗ | Commercial Use
 - ✗ | Free Cultural Works
 - ✗ | Meets Open Definition

