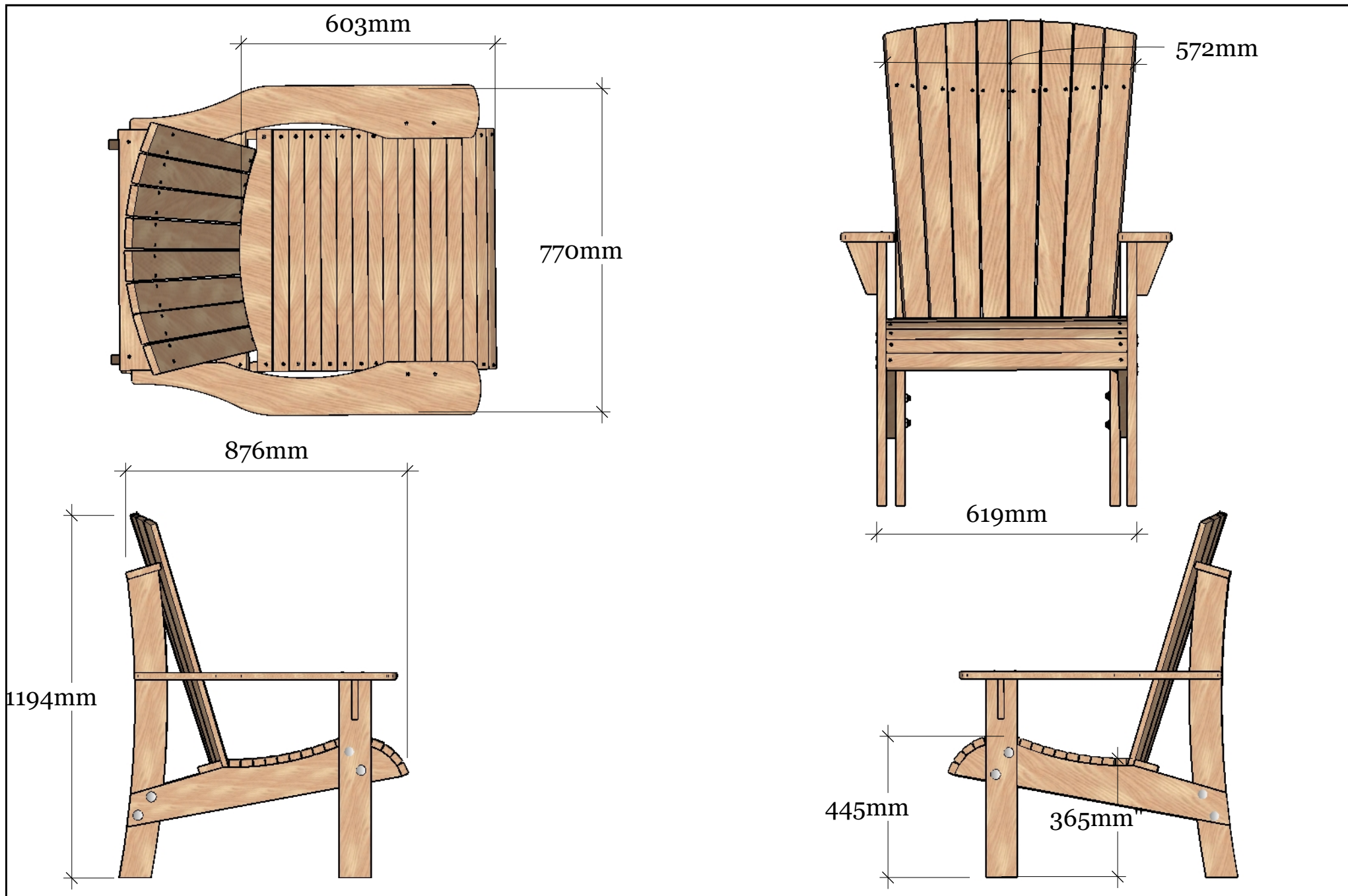




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If you are following along with the YouTube video and you want a specific part of the build, please see the chapter list below.

- 00:00 - Design and Tools Used
- 02:14 - Material Prep
- 07:45 - Creating Radius for Seat Slats
- 10:51 - Template Routing
- 17:52 - Sanding Radius Pieces
- 19:18 - Rounding Over Select Edges
- 22:18 - Chair Frame Assembly
- 26:03 - Attaching Seat and Back Slats
- 33:49 - Sign Off & Final Thoughts



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**Build Series #7 Adirondack
Chair**

03

Material cutlist and Hardware

549 cm of 305mm x 25mm Cypress was used in this build

- Other options are Cedar, Redwood, Pressure treated deck boards, Composite deck boards, and many more.

Cut the 305mm wide material to a rough length. Later, they will be cut to the final size or routed out with a template.

- Rear legs
 - 2 @ 1219mm long rip to 150mm
- Front legs
 - 2 @ 660mm rip to 102mm
- Seat slats
 - 2 @ 597mm rip to 37mm.
 - 15 individual slats will be required. The excess will be used to cut out the last custom slat.
- Slat supports
 - 2 @ 610"
 - Rip one to 117mm and one to 79mm

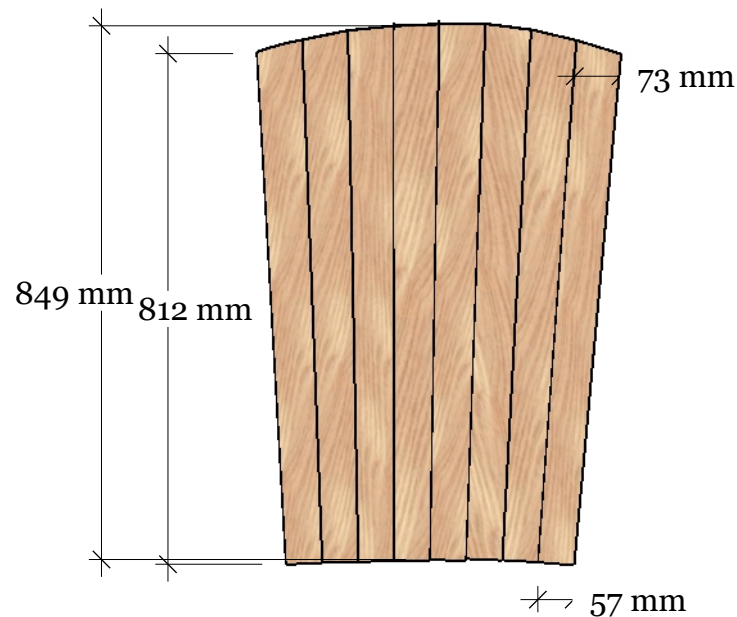
Hardware

- (8 Sets) 5/16-18 x 2-1/2" Stainless Steel Carriage Bolts
- #10 x 2 Inch Stainless Steel Deck Screws (350 pack)

Cutting the back slats to size

1. After attaching the parallel guides to a 1400 or longer guide rail, set one of the stops to 73mm and the other to 57mm.
2. Rip one edge of the first piece of the 864mm rough cut board.
3. Flip the entire board over and repeat the cut. This will allow you to maximize the material used and avoid a large unusable offcut.
4. Repeat this process until you have a total of 8 slats.

Pro Tip: Typically, I will set the stops on the parallel guides so that there is a gap between them and the end of the material so that it is easier to move them for repetitive cutting. In this instance, I want the tapers to be the same on each board, so I will set the stops tight to the end of the material to keep it from moving.

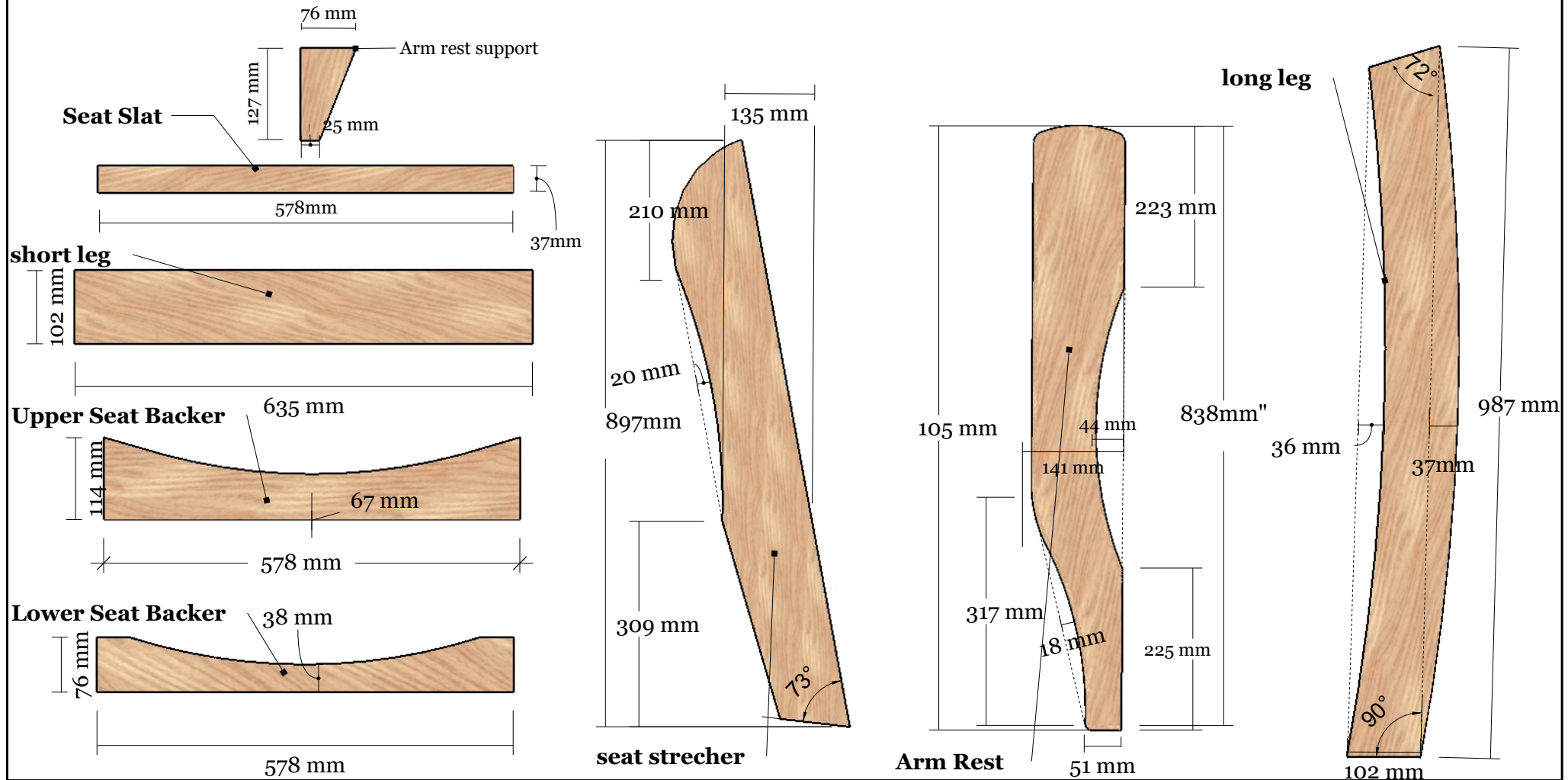


Cutting dimensions

The templates used in this build were cut out with the Shaper Origin.

For more information on the Shaper Origin, visit this site: www.shapertools.com/en-us/

The SVG files for the templates are available for download at www.festoolusa.com/buildseries



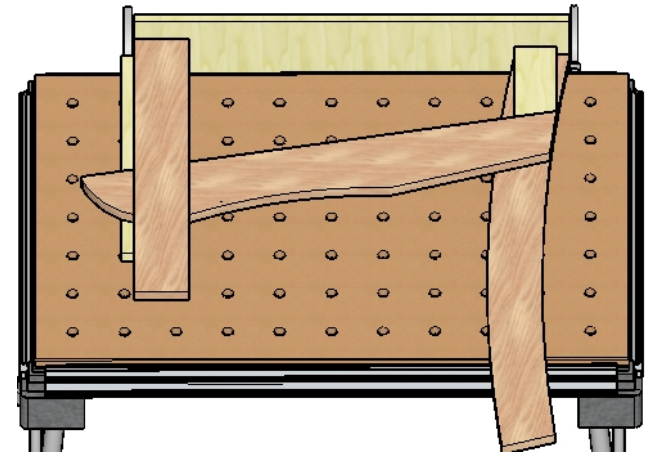
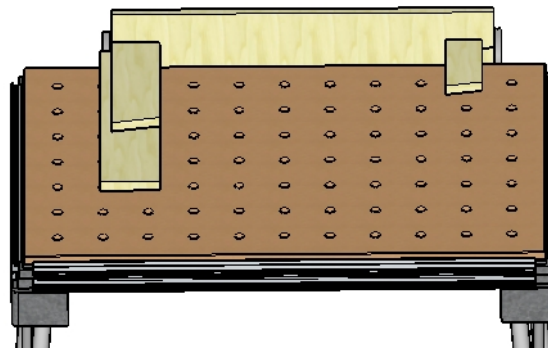
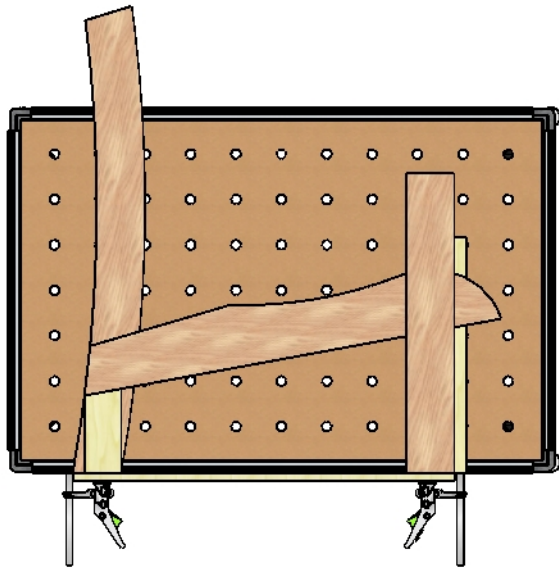
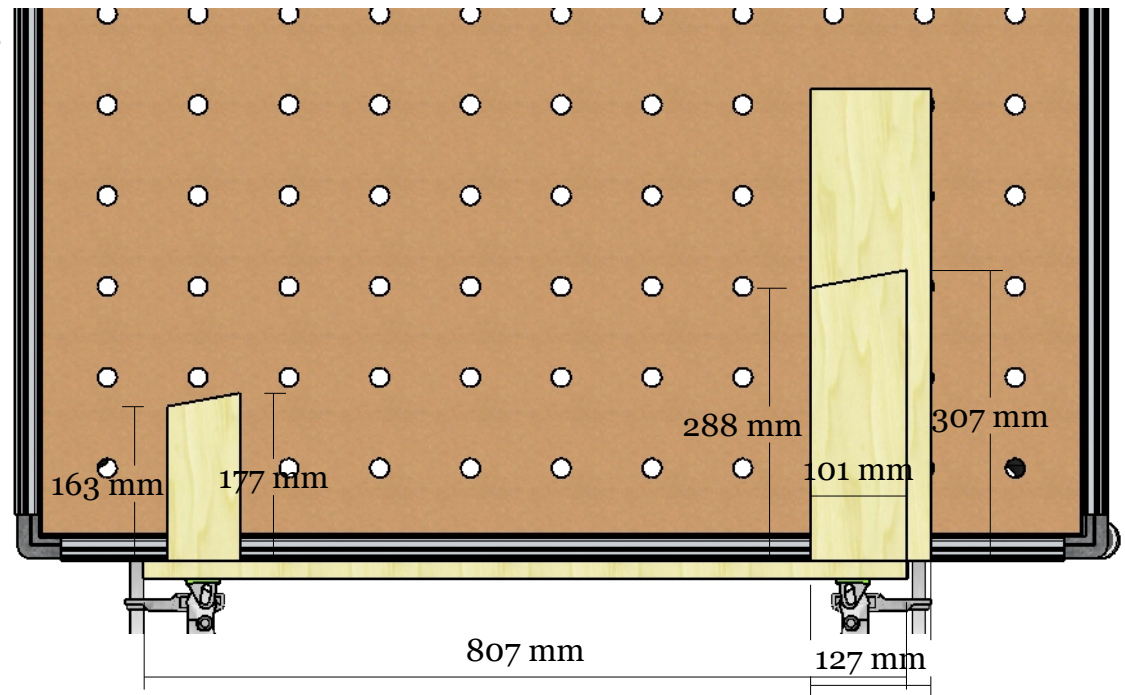
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Chair**

06

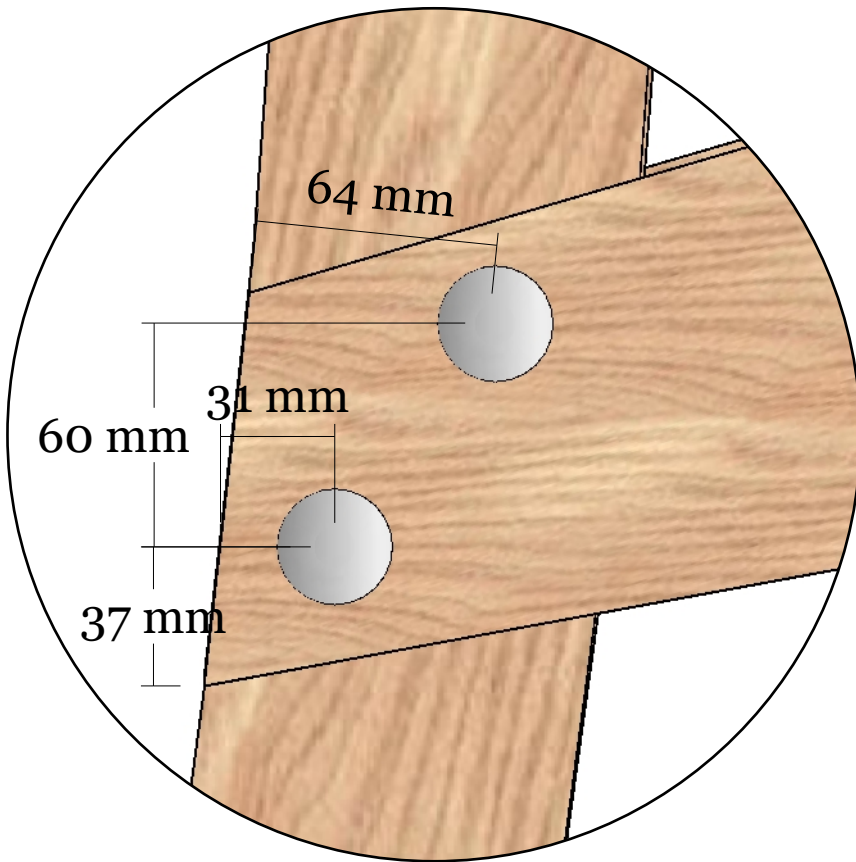
Assembly jig

This jig is comprised of a large piece of flat stock to act as the floor for the legs to rest on. From there, cut the other scrap lumber to the dimensions noted in the supplied drawings. This will position all the parts correctly while drilling and installing the carriage bolts.

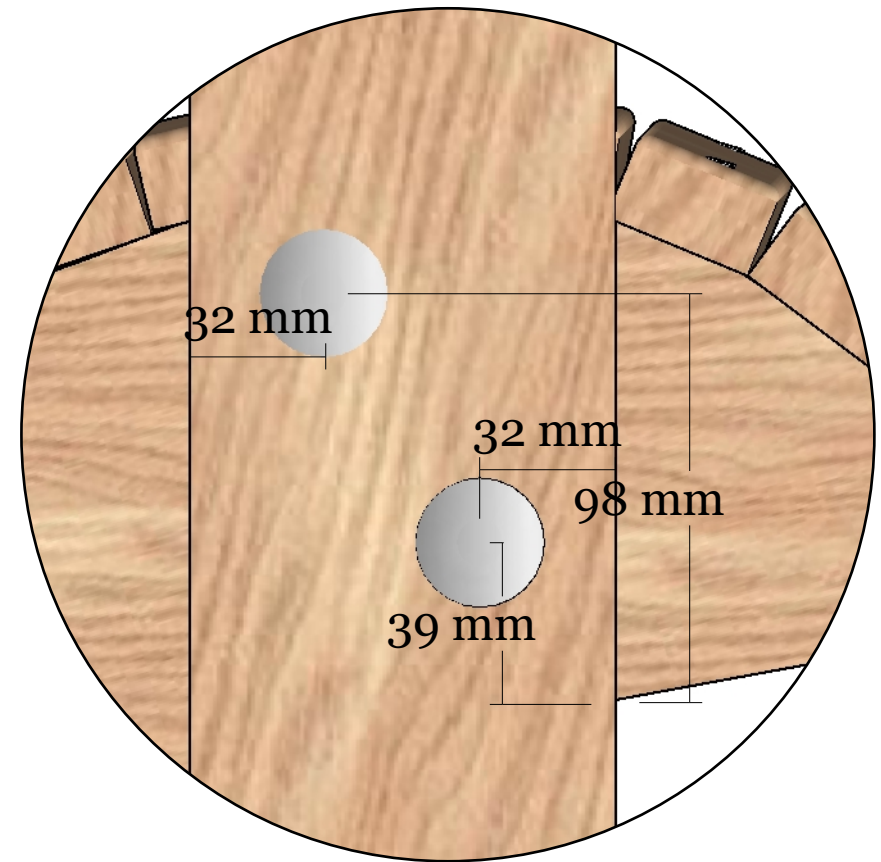


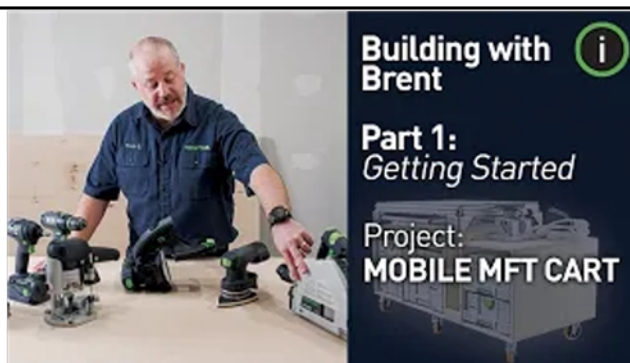
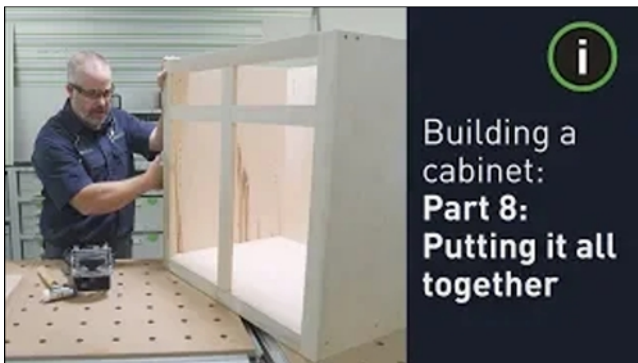
Carriage Bolt Placement

Back Legs



Front legs





Follow along with Brent at <https://www.youtube.com/playlist?list=PLpBJfh9Law-A7arNzTWE2IAMz2iocY1HB> to see other great builds and subscribe to [Festool.TV](https://www.festool.tv) to be notified when new builds are released.

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