**** DIYTyler Self-Centering Doweling Jig.***
The Doweling Jig has 5 main parts:

Two Articulating Arms (#1)

Two Side Arms (#2)

One Center Section (#3)
Part #1 Articulating Arms, you will need two of these made identical.

I made these from some scrap stainless steel bar but you can use whatever you have, in the first edition of this jig I used 1/4” plywood and that worked just fine. There had been a lot of suggestions from viewers to try old hacksaw blades, I think that is a great idea! These arms are not here for strength only for guiding the sides into place.
Part #2 Side Arms, you will need two of these made identical.

I made these from 1/2” plywood.
The placement of the reference pin and the dowel bushing was specific to the project I made this jig for. You can place these anywhere you need or leave as is and index the jig to where you need by making a reference line by the dowel pin.
How to use:
Watch the video at this link (https://youtu.be/_VF6PD6pRHs) to watch me make the jig and quickly show how to use it.

Quick version: You have two parts you want to join together, reference the dowel jig on the first part drilling through side A. Flip the dowel jig over to side B, reference the jig on the second part and drill though side B.

Flipping the jig over accounts for any slop or misalignment in the jig and gives you a perfect joint that is super easy and fast.