

Arc Drawing Jig Plan of Procedure

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Materials (this is a guide; your requirements may vary)

Leg	2 – ¼" x 2" x 30" Baltic birch plywood or similar (see Step 1 for sizing info)
Link	1 – ¼" x 1½" x 5" Baltic birch plywood or similar
Bolt	2 – ¼" x 1" carriage bolts w/wing-nuts or knobs and washers

1. Cut out parts as listed. The length of the largest arc you can draw will be the length of one leg, less about ½".
2. Drill ¼" holes with 5/8" counterbores, 1/8" deep, in the ends of the legs. Drill a ¼" hole and slot in the link as shown.
3. Grind the head of the carriage bolts so they will be flush or below the surface of the legs when fit in the counterbores. Assemble as shown.
4. To use the jig, mark the center of the workpiece and the height of the desired arc. Locate the legs of the jig as shown, with the legs up against pivots (wood blocks shown) and the intersection of the legs on your mark. Tighten the wingnuts. Draw the arc by sliding the legs along the pivots, with your pencil in the position shown. If you aren't concerned about holes in your parts, nails can also be used as pivots.

