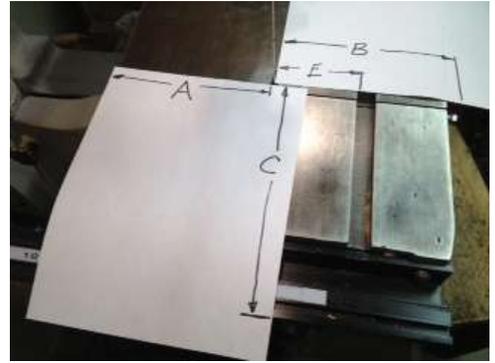


BANDSAW CIRCLE CUTTING JIG – Tom Canfield

1. Make the following measurements:

1. A = blade to left edge of table (toward post)
2. B = blade to right edge of table + Pin extension
3. C = blade to front of table and any mounted piece
4. E = blade to edge of miter slot
5. T = table thickness
6. Runner slot (typical $\frac{3}{4}$ " wide x $\frac{3}{8}$ " deep)



2. Material needed:

1. Base $\frac{1}{2}$ " MDF about 15" x 24"
2. $\frac{1}{2}$ " deep x $\frac{3}{4}$ " W T-Track
3. Runner – $\frac{3}{4}$ " x $\frac{3}{8}$ " x 15" or so hardwood or purchased plastic
4. Front board/stop – $\frac{3}{4}$ x T + thickness of under edge runner
5. Side Board = T + $\frac{1}{16}$ " or use cardboard shim for clearance
- 5.5 Under edge runner – $\frac{1}{2}$ " or $\frac{3}{4}$ " x $\frac{1}{12}$ " W x 15" long
6. T-bolt ($\frac{1}{4}$ " or $\frac{5}{16}$ " x $1\frac{1}{2}$ or 2"), washer, and knob
7. T-nut and bolt with washer, and stop nut for front stop
8. 2 pieces $\frac{3}{4}$ " x 3" or so x 15" long under base stiffeners – plywood OK.
3. $\frac{1}{2}$ " MDF works well for the base and allows use of $\frac{3}{4}$ " x $\frac{1}{2}$ " T-Track from Rockler or other source. Nominal size is 15" x 24" but can be any size)
4. Cut slot for T-Track measuring "C" + $1 - \frac{1}{8}$ " from front and "A + 2" from the right side (away from the post) parallel to front edge.
5. Mount runner to bottom of the base at "A" + "E" using a square.(complete accuracy not required).
6. Drill hole for T-nut in front board, install, and then attach to front of base. Insert stop bolt with washer and stop nut on outside front to adjust for blade alignment in future.
7. Set base on bandsaw and using the runner, cut from back to limit stop of front stop bolt. Front edge of blade should come to center of slot for the T-track.
8. Fasten under edge runner to the side board and clamp assembly to underside of the base sitting on the bandsaw allowing clearance. Tight side-fit is not critical, but limit uplift of the base to about $\frac{1}{16}$ ".
9. Attach the 2 pieces of stiffener to underside of the base. The one closest to the bandsaw should be set "B" from saw cut to clear pin. . Drill hole for the T-bolt through center of the closest stiffener.
10. Drill pivot pin hole in T-Track. You can also drill and tap hole and sharpen end of screw for a more ridged pin., but pin needs to be removable from bottom to clear t-bolt.
11. Finish with 2 coats of thinned shellac (one part shellac to one part denatured alcohol).
12. Enjoy cutting circles.

