

# Paracord Tying Jig

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## Materials & Parts (some parts can be gotten at some hardware stores)

Baseboard- 1x5 (.75" x 4.5" actual) Pine Board in desired length

End Boards - 1x3 (.75" x 2.5" actual) Pine Board (around 24 inches should cover)

- Universal T Track in desired length

<http://www.rockler.com/universal-t-track-universal-t-track>

- 2½ T-Slot Bolt 5/16" - 18 Thread

<http://www.rockler.com/t-slot-bolts-5-16-18-thread-t-slot-bolts>

- 5-Star Jig Knob, through hole, 5/16", 18 insert

<http://www.rockler.com/5-star-jig-knobs-through-hole-insert>

- Wood Glue

- 3 - 1 ½ " Phillips Wood Screws (#6 or #8)

- 10 – ¾" Phillips Wood Screws (#6 or #8) for attaching buckles & clasps

- 10 – ½" Phillips Wood Screws (#6) for attaching T-rail to baseboard

- 6-10 ¼" cable clamps for attaching buckles and clasps.

[http://www.lowes.com/pd\\_48409-12704-](http://www.lowes.com/pd_48409-12704-772835L_0__?productId=3364674&Ntt=cable+clamp&pl=1&currentURL=%3FNtt%3Dcable%2B)

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## Tools

Saw (Chop Saw, Circular Saw or Hand Saw)

Handheld Sander or Sand Paper

Drill & Phillips Bit

3/8" drill bit

Router (optional)

Wood Clamps

## Building Directions (Please reference pictures at end if you have questions)

1. Cut 1x3 into 4 pieces the width of your baseboard (this should be right around 4.5 inches).
2. 1<sup>st</sup> End Piece - Glue 2 pieces together in a stacked fashion. The resulting piece will be about 1.5 inches tall by 4.5 inches wide by 2.5 inches deep. Clamp and let dry.
3. 2<sup>nd</sup> End Piece
  - a. If you have a Router Glue the remaining 2 pieces together in the same fashion as item 2. Clamp and let dry. After drying, Route a center channel on the one side 3/8" deep by 3/4" wide to accommodate the track.
  - b. If you do not have a router, you will need to make 2 more cuts to 1 of the smaller pieces as you will want to end up with pieces on either side of the track. Each side piece should measure 2.5 inches deep by 1.75 inches

4. While the glue is drying, sand all surfaces on the Baseboard. It is a good idea to try to slightly round the edges on the ends and sides so they do not poke into you while you are tying.
5. Screw 1<sup>st</sup> End piece to baseboard on one extreme end. Screw this piece in from the bottom of the piece so no screws are visible from the top.
6. To find your final length, lay the T track up against the 1<sup>st</sup> end piece down the middle of the baseboard. Mark the baseboard where the end of the track lies. Cut this square and sand the resulting cut.
7. Attach the T-track down the middle of the baseboard with the ½" screws.
8. Drill a hole in the 2<sup>nd</sup> end piece 1 inch from the back on the center line directly above the groove that was routed (or established with 2 smaller pieces).
9. Put the T-slot bolt into the track on the open end.
10. Put the 2<sup>nd</sup> end piece onto the bolt and push it flush with the baseboard. Slide up and down the track to make sure there is no hard resistance when sliding. If there is a lot of resistance, remove the piece and sand the groove a little until it slides pretty smoothly.
11. Screw on the Star Jig knob making sure to not cross thread the bolt.

This should give you a completed jig. You can now take a ruler and mark every half inch on the wood starting at the end piece that is permanently attached to the baseboard and working your way until the open end. I only label the whole inches. This will give you a very easy reference for sizing. Just loosen the knob, slide to desired length, tighten knob and start tying.

### **Attaching Buckles:**

Depending on the number of styles of buckles or clasps that you use you will want to lay these out in a specific manner.

I use 5/8 inch metal buckles and 3/8 inch plastic buckles for the most part.

Start by putting a wire clasp through opening on the female half of the buckle. Line the front (flat) edge of the female buckle up with the front edge of the stationary end piece about an inch from the side edge. Mark a spot where the clasp needs a screw to hold it in place then start the screw without the clasp there. After getting this started, remove it and screw down the clasp until tight. Line up the male half directly across from the female half and screw that in using another clasp. Repeat for other style buckles.









