

Wooden Rosary Display Cross - Construction Detail
 Holds 34 sets of Rosaries
 By Bob Snyder 5/13/17

Wooden Rosary Display Cross Construction Details



Bill of Materials

2 – 1"x6"x8' pine
2"x 4"x3' pine
2"x6"x4' pine
8' 3/8" poplar dowel
Screws
Wood glue
Paint
Contact Cement
Felt
#21 White twisted nylon seine twine (not bonded)
Or 34 colors of #36 Rosary twine

Building Process

First run the longitudinal sides of the 1x6, 2x4 and 2x6 through a shaper to remove the side bevel and size the wood to drawing specifications.

Cut the main cross pieces to length then route one half of the wood out of each piece at the junction of the two pieces so that when they are assembled the joint is flat.

Using a drill press and a 3/8" forstner wood bit from both sides drill the peg locations on the surface of the cross piece. Then drill a 1 1/2" plus a bit whole in the center of both ends for the end pegs.

Cut the rest of the pieces as shown for a tight fit.

Cut the base pieces to tightly accept the vertical then glue each level separately. After the glue had dried, route the edges as you may like using either what is shown or as you prefer.

Glue together all the pieces (except the bases) on the cross in the correct positions. You might want to use wood vices to hold things while they dry. Be sure to keep things straight.

Glue and/or screw together to two base pieces making sure that you can insert the cross and that the cross is vertical.

Using screws at an angle from the bottom secure the cross into the base. Making sure the cross is straight and level. Countersink the screws so the base will sit level.

Sand things as needed, then paint or stain and varnish everything with the color you like. I used a tan color, but what ever fits your needs.

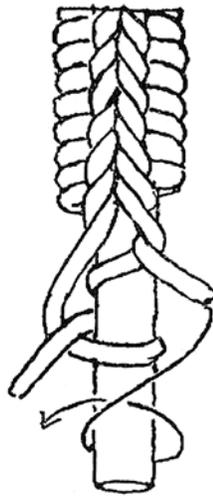
Cut the dowels to length and bevel the ends. Using a saw carefully put two notches exactly $\frac{3}{4}$ " apart centered on the dowel. The wood between the notches must be $\frac{3}{4}$ " so the notches are outside the cross when they are inserted.

Melt-cut the #21 nylon twine into 54" pieces (so it doesn't unravel). (Or you may use 50" each of the 34 different colors you will display using the #36 twine.) Now, using the twine cover one side of each dowel with a series of 25 (or 21 if using #36 twine) two-strand ringbolt hitches beginning in the center of the twine in one of the notches toward the closest end of the dowel. (I begin with the left side string onto the right side. You may begin however you like but you should be consistent for each dowel however to begin.) Keep the knots tight and straight as you go along.

When complete use a simple overhand knot underneath the series of knots. Holding the ends tightly and using a 25 watt soldering iron, melt the tails off while you fuse the ends to the closest strings.

Note: If you are using all one color for the peg coverings, you can make a small cross and loop to put over each peg. That way you can change the positions of the colors. See www.knots4mary.com for details on making the display cross.

Insert the dowels into the cross and repeat above to install twine on the back side of all the dowels (except the two end dowels, of course).



TWO-STRAND RINGBOLT HITCH



Cut the felt to fit in the book pockets and place in pockets. Cut the felt to fit the bottom of the base and using contact cement on the base and felt attach and if necessary trim the felt.

To help keep track of colors, you can make a cross with a loop to go on the pegs of each color you use. See www.knots4mary.com on how to make these crosses.

You may put 'signs' on the cross as you like or put on any other finishing touches. You are now ready to place the cross and populate it with Rosaries.