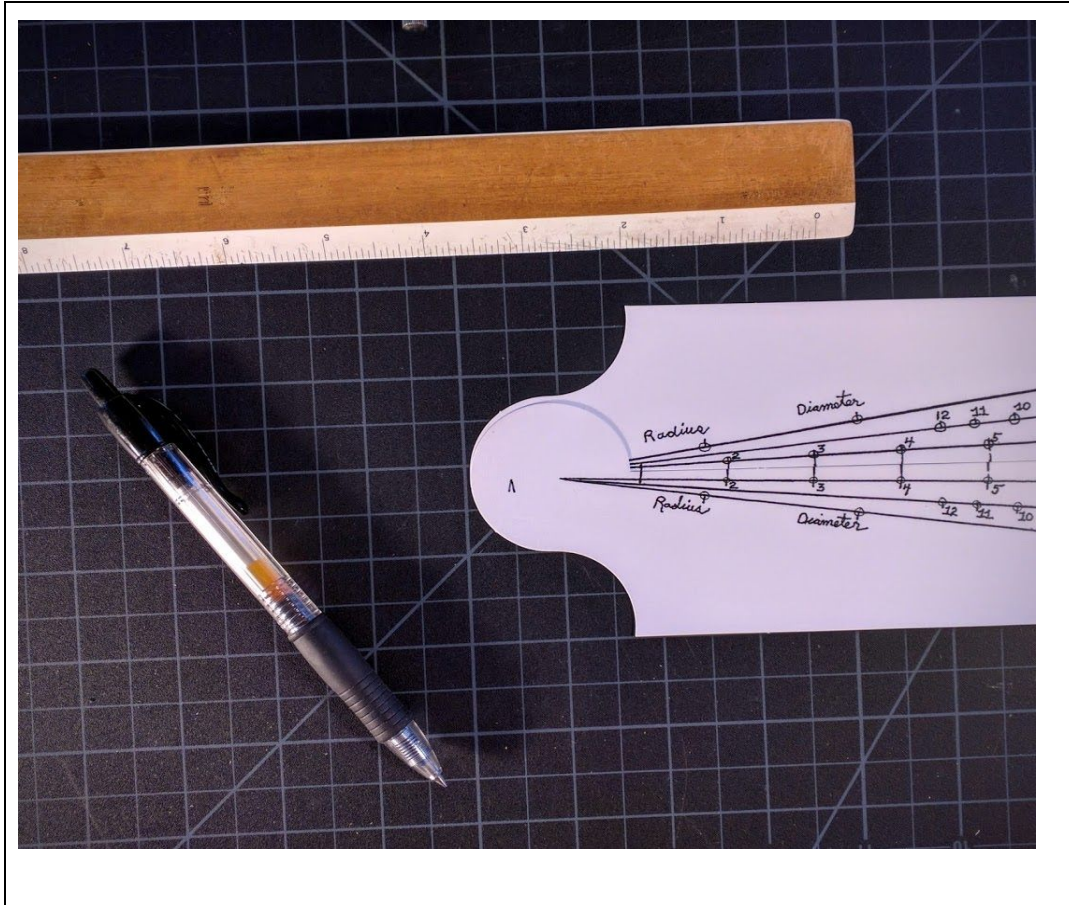
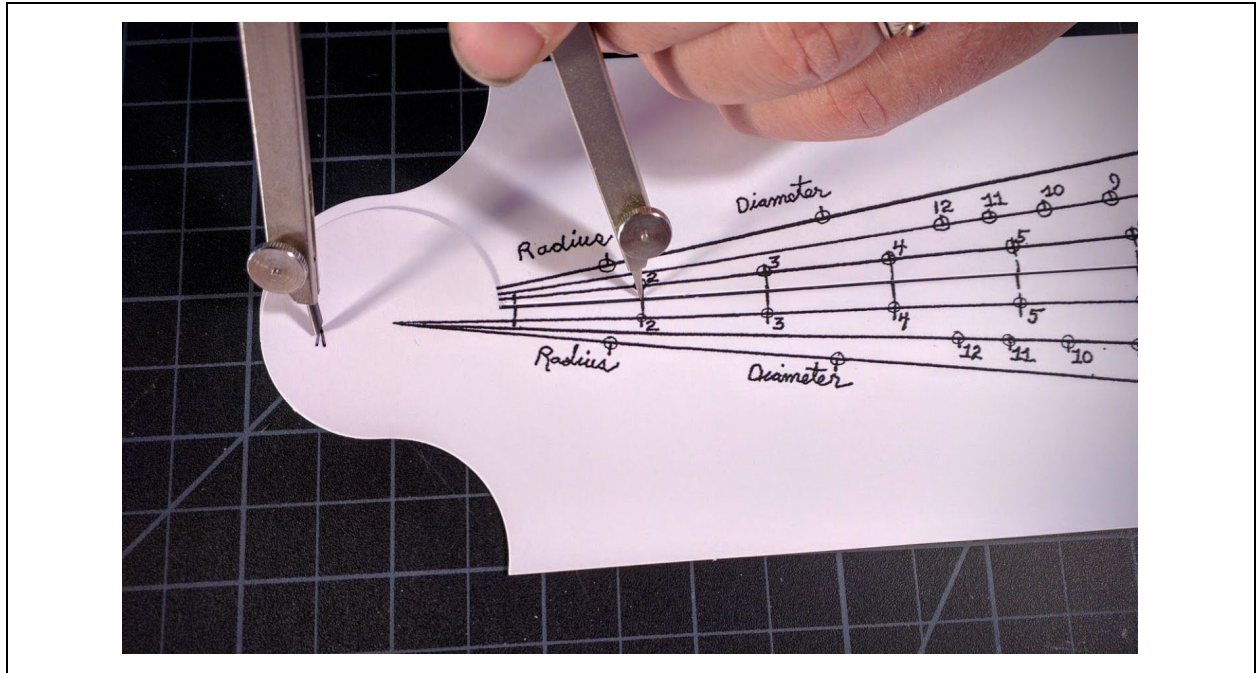


Note: This template is scaled so you can enlarge it to fit on 11 X 17 inch paper (we recommend cardstock.)

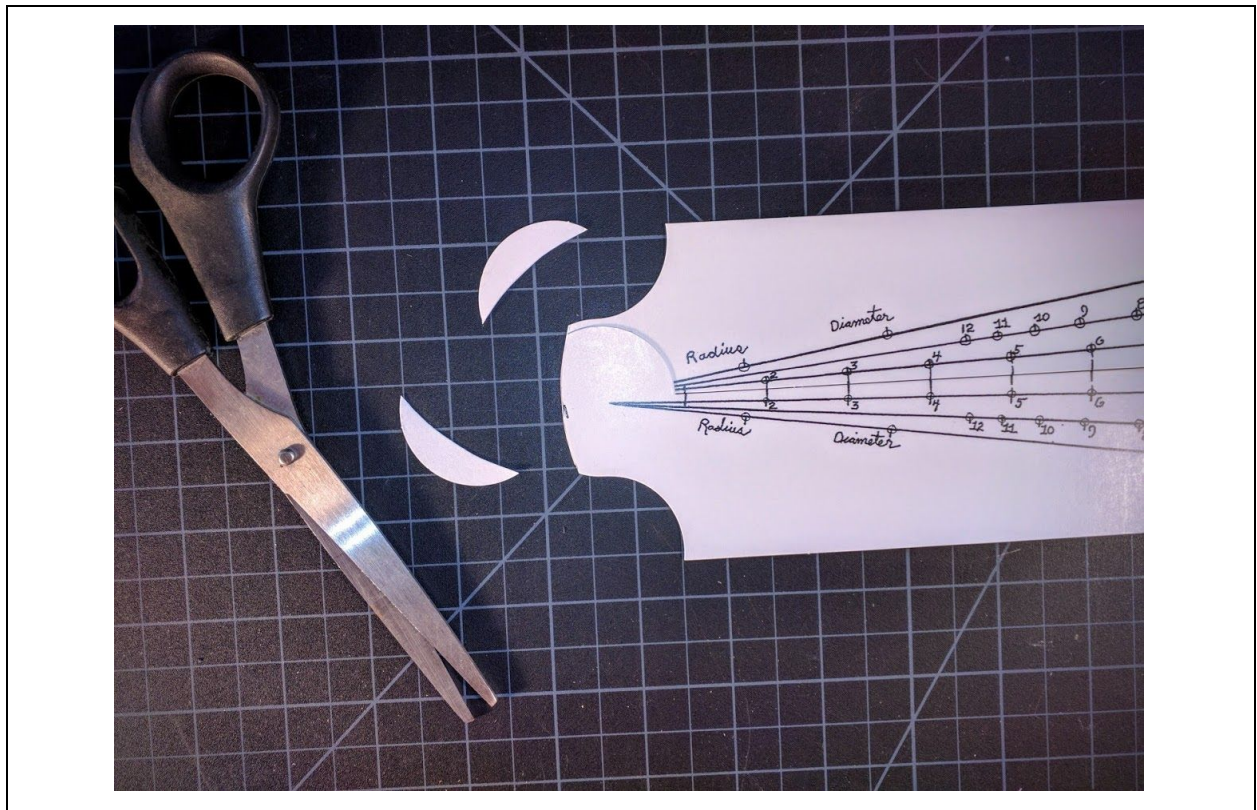
Instructions for Making the Sector from the Template:



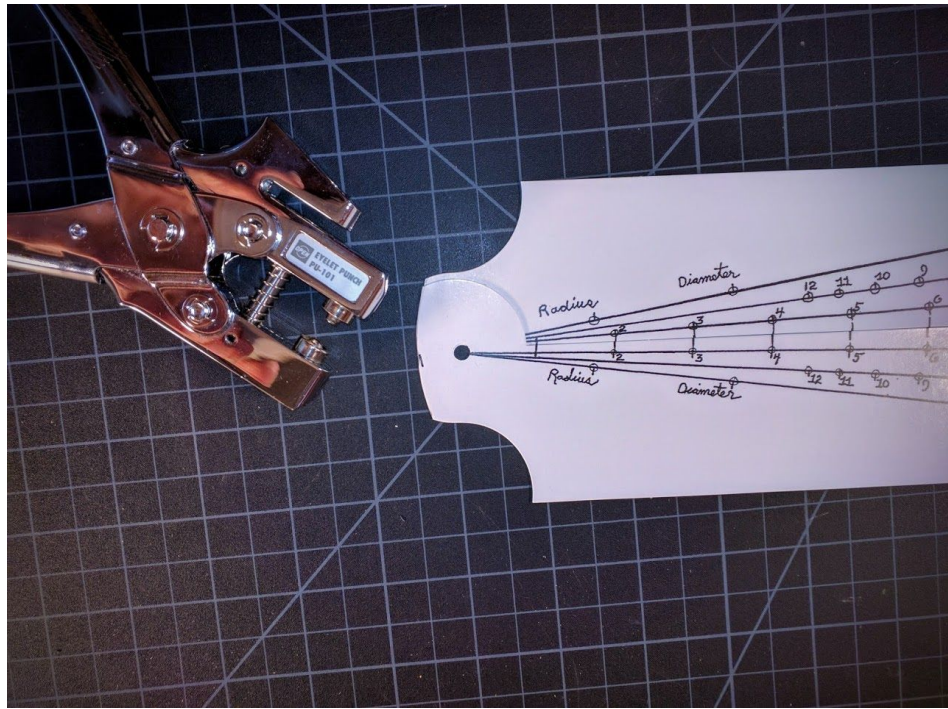
1: Cut out the legs from the template printout. Orient the legs as shown (doesn't matter which leg overlays the other). Be sure the "Line of Lines" marks on each leg are aligned perfectly. If your punch doesn't reach in far enough to make the hole for the paper rivet at the intersection of the three calculation lines do the following: Make a mark one-half inch away from the intersection point (I'm assuming your punch--most do--reach in this amount).



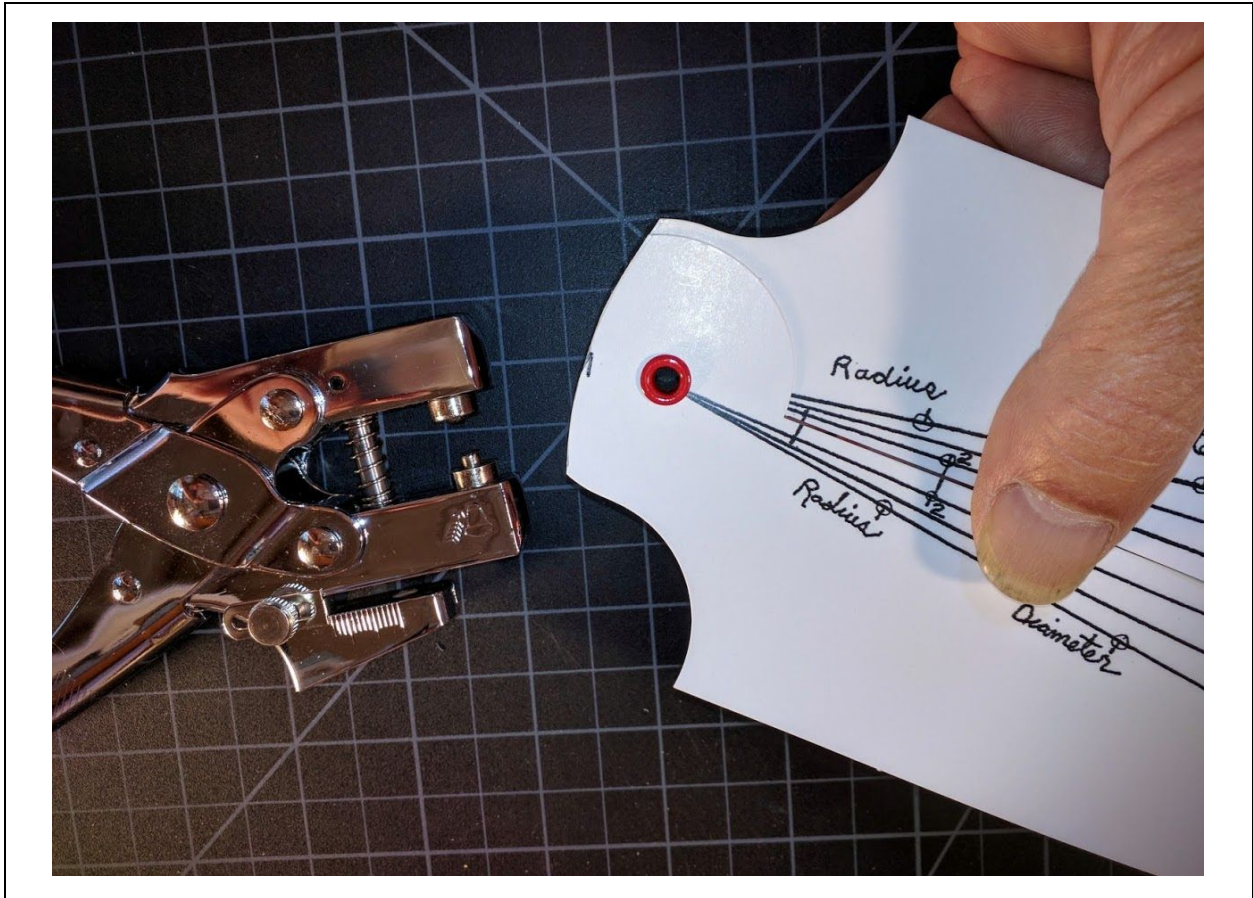
2: Set your compass to a radius from the second division line to the mark you just made one-half inch offset from the intersection point. Then swing an arc to mark the cutline.



3: Using sharp scissors, cut through both legs following the arc. (A straight line works too by the way, but it's not very attractive).



3: Using your punch, make a hole through both legs at the line intersection point. Be careful to keep the edges of the legs exactly parallel and the division marks aligned perfectly. My punch makes a $\frac{5}{32}$ inch hole for that size rivet, which works quite well.



And there you have it. Be careful not to squeeze the rivet too tightly as that will make it difficult to swing the arms freely. You want just enough tension to prevent the arms from shifting. We highly recommend that you practice by riveting a couple scraps of the template stock together to determine the pressure. In any case, sneak up on it: loose at first, just a hair more pressure the second (or third) time to get the tension you want.

Note: If you can't locate paper rivets, you can substitute a small nut and bolt sized to the diameter of your paper punch. In that case you can skip step 3.

A forty-page pamphlet describing in excruciating detail the uses of this sector are available as a 40-page download at the store page of our website:

www.byhandandeye.com