

Custom Builder Cork Slicer and Checkerboard Jigs

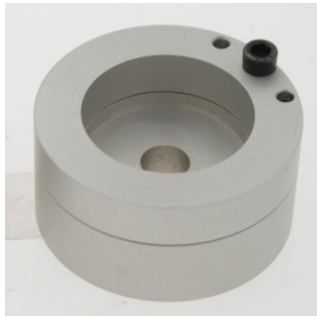
The Custom Builder Cork Slicer and Checkerboard cutting jigs (MHCJ-1) are all that you will need to create the ultimate in custom cork and Eva Handles. With these two jigs you will be able to slice cork or eva into disc's of 1/8" or smaller and cut rings into checker board wedges 1/4, 1/6, 1/12 of the diameter of the ring.

Both jigs are designed to be used with the Custom Builder Blades (MHSABLADES) which are sold by the dozen, and the Custom Builder Saw Frame (MHSABFRAME) which will come with 12 saw blades. The blades are 0.007" thick and the cutting surface is 3" in length. Because of the precision cut that is capable with this saw there is a minimal amount of diameter lost when assembling the wedges into discs. This is a common problem with other types of jigs previously marketed which use hard backed blades for cutting the wedges as there is considerably more material removed from each cut and depending upon the number of wedges assembled the diameter of the finished ring can be up to 3/16" smaller in diameter.

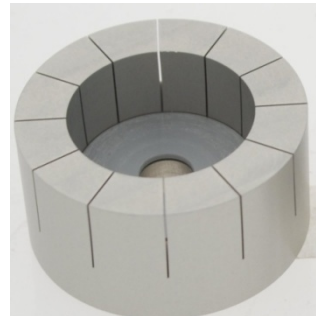
Cork Slicer

The cork slicer is designed to handle standard 1 1/4" cork, burl & colored rings with or without a center hole. The slicer is designed to cut 1/8" slices out of the rings. In using different types of shim materials you can cut the slices as thin as 1/32".

These discs when added to contrasting colored cork make beautiful accents.



Cork Slicer



Checkerboard Jig

Checkerboard Cutting Jig

The Checker board cutter is made with 12 vertical slices which will allow you to cut your cork, burl or colored ring into a variety of pie shapes which can be assembled into many different designs.



1/4 Checkerboard



1/6 Checkerboard



1/12 Checkerboard

Saw Frame

This precision saw frame is designed to hold the precision blades needed to perform the slicing and cutting you will be performing with the Cork Slicer and Checkerboard Jig.

Glue

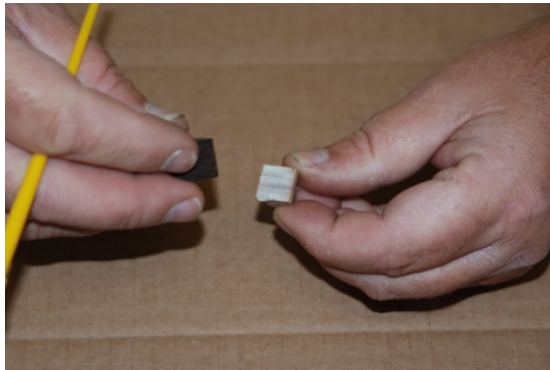
We have found that Elmers wood glue works well for assembling the wedges. You can use any of your normal two part epoxy's that you would normally use for cork rings but the Elmers wood glue cleans up well with water and applies with a brush.

Constructing Checkerboard or Inlay Slices

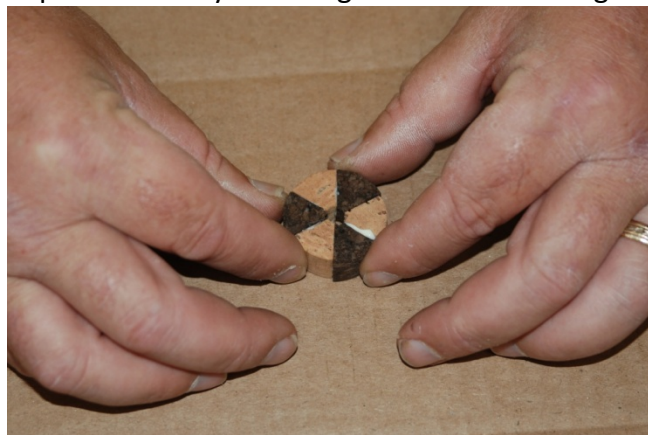
Insert cork rings into checkerboard jig and cut wedges to the desired size ($1/4$, $1/6$, $1/12$).

Typically what you would do is one darker burnt or colored cork ring and one regular ring so that you will get the contrast. Cut one regular ring and one colored ring into the same number of wedges. For example purposes we will use $1/6$.

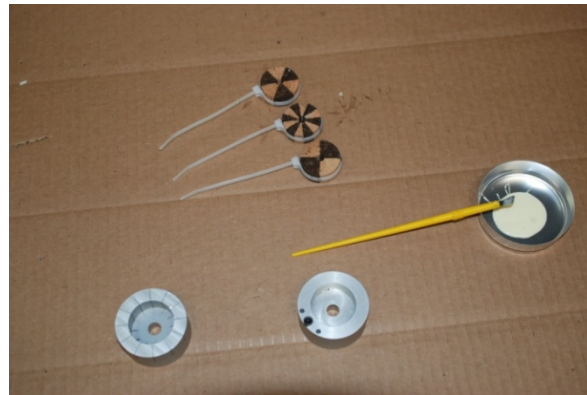
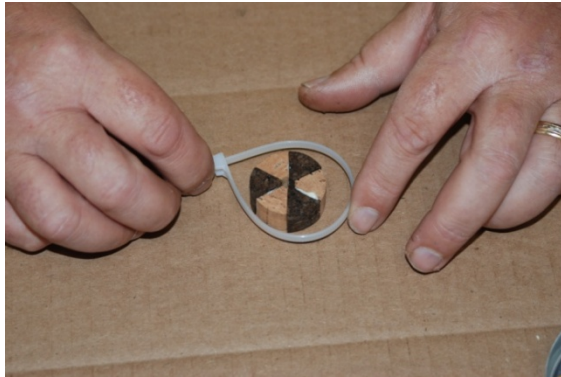
After you have the wedges cut squeeze out a small spot of glue onto a piece of plastic or cardboard that can be thrown away. I find it easiest to use a regular disposable brush for applying the adhesive. Begin by applying the adhesive on one side of the wedge, select one of the opposite color wedges and apply glue to both sides of that wedge and stick it to the first wedge you glued up. Select another wedge of the opposite color as the last and apply glue to both sides and stick it to the previous one.



Continue this process until you have glued all of the wedges into a circle.



After forming use a Mud Hole Cork Ring Tie (MHCRT-8) to clamp the wedges together under pressure until they have dried. This usually takes several hours depending upon the adhesive used.



Slicing the assembled wedges into slices

After the clamped wedges have dried forming a cork ring you will want to cut it into slices so as to form a checkerboard pattern in a rod grip. You will find that different types of cork rings are slightly different in thickness so you will most likely have to sand down the finished ring to a smooth surface. I make sure during the clamping process that all of the wedges are flush on a smooth surface so I only need to sand one side of the ring. I find that a 300 grit sand paper on a flat surface works well and takes very little time to sand smooth.



Now we are ready to make our slices, using the Slicing Jig insert the cork ring you have made into the jig. Hold it steady inserting the saw blade into the horizontal cut in the side of the jig.



Each cut will create a 1/8" slice, so you will get 4 slices out of each cork ring you make. You can also make the slices thinner by inserting some type of shim material in the bottom of the jig.

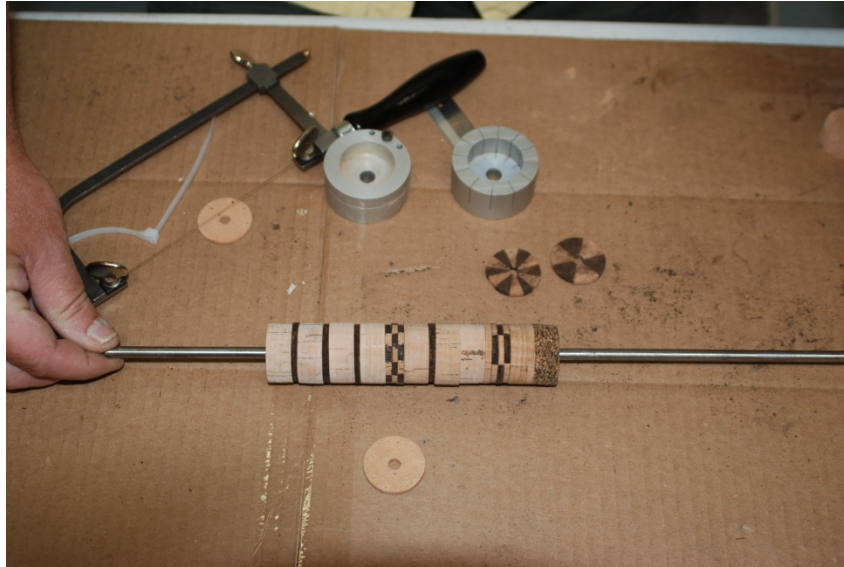


Next you will assemble your grip utilizing your new checkerboard slices and slices of your choice of cork or eva grip material. You will assemble the grip the same way you would if you were building a grip from regular cork ring only you will insert the disc's to create unique patterns and designs of your choice.

Assembling cork rings

For this assembly process we recommend you use the normal two part epoxy that you would for your regular handle assembly. We recommend that you assemble your grip on a steel mandrel and utilize a cork clamp to compress the rings and minimize the glue line created by the layer of epoxy in between each cork ring. Use a spatula or stir stick to put a smooth layer of

glue on each side of each ring, slide the ring down the mandrel until you have the length of grip you desire.



Remember before clamping your rings together to align the checker board pieces so that they create the pattern you desire.