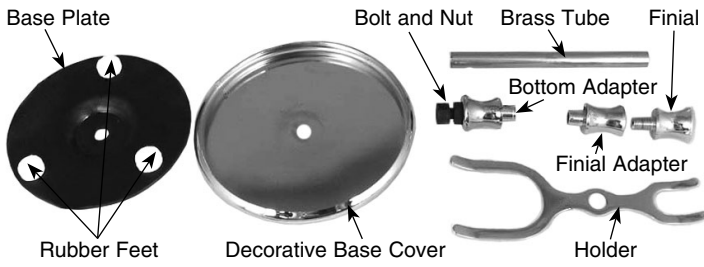


Razor Stand Hardware Kit

Requires standard A mandrel, razor stand bushings (88K80.24), 7 mm or letter J drill bit, and minimum 5/8" square blank (though 3/4" is better).



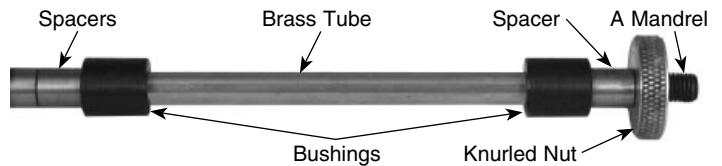
Razor stand parts diagram.

Preparing the Material Blank

1. Only one material blank is required for this kit. Cut the material blank a little longer, approximately 1/4", than the tube.
2. Drill the blank through the center, lengthwise, with the 7 mm or letter J bit. Be very careful, as this blank is really long. Drill with a sharp bit and drill slowly, clearing the chips often.
3. Polish the brass tube with sandpaper. This can be done by hand or on a power machine such as a belt sander. The purpose of the sanding is to clean off the oxidation and roughen the tube so that the glue will have a better adhesion surface.
4. Plug the ends of the tube with the material of your choice. Some use base wax (a dental product), or play dough, or even a slice of potato. Just push the ends of the tubes into a thin section of the material. This will form a plug to keep the glue from getting into the tube.
5. Clean the tube, after plugging, with acetone or alcohol on a rag.
6. Prepare your glue. You can use a fast-drying, two-part epoxy, one hour or less. Be sure to mix it thoroughly. (A Post-it® Note pad makes an excellent mixing place. When you are finished just tear it off and throw it away.) Polyurethanes and thick flexible cyanoacrylates (CAs) can also be used. (If not using epoxy, go to step 9.)
7. Place some epoxy into the blank using a small piece of dowel or other small stick.
8. Roll the tube in the epoxy.
9. Insert the tube with a twisting motion until it is almost all the way into the material blank. Then use the dowel to push it in until the end is flush with the blank. Use the dowel to rake off the excess glue even with the blank and the tube.
10. Push the brass tube through the blank until the other end is flush with the blank. Then rake the glue flush with that end. Now push the tube back into the blank until the tube ends are equidistant from the ends of the blank.
11. Set it aside for 60 minutes until the epoxy has had time to reach its maximum strength.

12. If you are using CA glue, the wait is only about 60 seconds. When using polyurethane the wait will be about 24 hours.
13. When the glue has cured, use a hobby knife to remove the plugs from the ends. It is also a good idea to clean the tube with a brass gun-cleaning brush a rolled up piece of sandpaper to remove any glue that may have gotten into the tube.
14. Not cleaning out all glue from the tube is the most common cause of kit failure. **Be certain** that all dried glue is removed from inside the tube before proceeding.
15. Using a barrel trimmer of the proper size, face off each end of the blank until it just touches the brass end of the tube. **Stop** facing at this point. Your kit's proper operation is dependent on having the proper length tube. This facing operation can also be done with the proper jig and a disc or belt sander.
16. Not having the proper tube length is the #2 cause of kit failure. Sanding, on a disc sander, using a jig to hold the tube square with the disc, is a more sure way of getting the proper length. It should be tried if you have any doubt as to your abilities to square the material with the barrel trimmer.
17. Another good method of squaring the ends of the blank is to turn the blank until it is just round. Using a miter gauge to maintain the blank perpendicular to the sanding disc, just touch the ends to the disc. Once the blank is square and you can see the ends of the tube brighten, then return the blank to the mandrel and finish the turning until the desired contour is accomplished.

Turning the Material Blank



1. Assemble the blank on the mandrel using the bushings. The bushings are the same size.
2. Tighten the tailstock before tightening the blank on the mandrel. This will center the mandrel first. Then tighten the nut that holds the blank.
3. Turn the blank to the desired contour, making sure that the blank diameter is the same as the bushings.
4. After turning the blank, sand the surface in progressive steps until you get to 400 or 500 grit.
5. Apply the finish of your choice and polish.
6. Remove the blank from the mandrel.

Assembling the Razor Stand

Please refer to the razor stand parts diagram.

1. Press the finial adapter into one end of the blank.
2. Press the bottom adapter into the other end of the blank.
3. Place the base plate inside the decorative base cover with the domed side facing the decorative base cover.
4. Insert the bolt through the hole in the base plate and the decorative base cover.
5. Place the nut on the bolt and tighten it securely against the decorative base cover. Be careful not to scratch the cover.
6. Screw the bottom adapter end of the blank onto the exposed bolt on the base assembly. Tighten securely.
7. Insert the threaded end of the finial through the hole in the holder, such that the bends on the holder are facing up.
8. Screw this into the finial adapter and tighten.