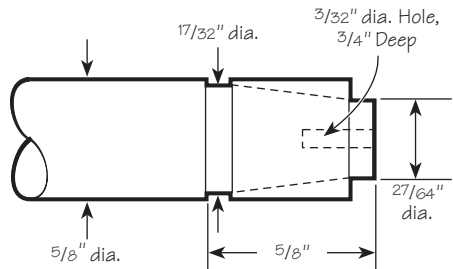


Small Cane Tip

These cane and walking staff tips not only add a touch of class to your project, but will also protect the wood against abrasion and water damage. Each fitting comes with a replaceable rubber tip to provide sure grip on pavement. The walking staff tip also comes with a removable stainless-steel pick for secure placement on rocks or ice.

The Cane Tip

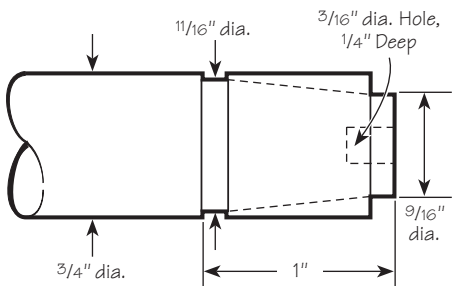
The cane tip will fit canes with an end diameter of $\frac{5}{8}$ " or larger. To turn the taper $\frac{5}{8}$ " from the end of the cane, use a parting tool to establish a $\frac{17}{32}$ " diameter shoulder. Turn the end diameter down to $\frac{27}{64}$ ", then turn the tenon to a smooth taper between the two depth settings. Drill a $\frac{3}{32}$ " diameter pilot hole $\frac{3}{4}$ " deep for the mounting screw for the rubber tip.



Test fit the cane tip. If the tip is too loose, cut $\frac{1}{16}$ " from the end of the cane and recut the shoulder of the tenon. Once you are satisfied with the fit, remove the tip, apply a waterproof glue (such as epoxy) to the tenon, and press on the tip. Either wipe off any excess glue with a rag and solvent before it has cured, or sand the cane and tip until the joint is flush after it has cured.

The Walking Staff Tip

The walking staff tip will fit shafts with an end diameter of $\frac{3}{4}$ " or larger. To turn the taper 1" from the end of the shaft, use a parting tool to establish an $\frac{11}{16}$ " diameter shoulder. Turn the end diameter down to $\frac{9}{16}$ ", then turn the tenon to a smooth taper between the two depth settings. Drill a $\frac{3}{16}$ " hole, $\frac{1}{4}$ " deep in the end of the walking stick to provide clearance for the mounting screw.



Test fit the tip. If the tip is too loose, cut $\frac{1}{16}$ " from the end of the stick and recut the shoulder of the tenon. Apply a drop of oil to the screw supplied with the walking stick tip and thread it into the tip until it just protrudes into the cane tip cavity. The screw will keep glue from clogging the threads when gluing the tip onto the walking stick. Once you are satisfied with the fit, remove the tip, apply a waterproof glue (such as epoxy) to the tenon, and press on the tip. Either wipe off any excess glue with a rag and solvent before it has cured, or sand the cane and tip until the joint is flush after it has cured.

The stainless-steel pick can be turned firmly into the tip by using a piece of wire, hex key, or a drill bit as a Tommy bar.

Tip: A neater alternative to removing excess glue with solvent or by sanding is to use a glue release. Dry fit the tip to the shaft, and apply a light coat of the glue release to the wood and cane tip surfaces around the assembled joint area. Glue the tip on, then peel off any excess glue while it is semi-cured and still in a flexible state. Before applying any finish, remove any of the glue release residue with a non-oily solvent, such as methyl hydrate.

