



The Fuller Tapered Drill, Countersink, Counterbore and Plug System

W.L. Fuller Inc. has been manufacturing, recommending and supplying tools to cut woods, plastics and metals for over **60** years. They produce the best quality tools made in the U.S.A. to pre-drill, countersink, counterbore and plug for screws and bolts of all different sizes and shapes. Their **High Speed Steel Taper Point Drills** are specifically designed to pre-drill for wood screws of various sizes and lengths. Their **Four Flute Countersinks**, designed to mount on the **Taper Point Drill**, combine **pre-drilling** for the screw threads, **clearance drilling** for the screw shank, **counterboring** for a wood plug (if needed) and **countersinking** for the screw head in one operation. Made of the best quality steels and heat-treated for long tool life, Fuller tools are designed to save you time by saving you steps and money by providing longer-lasting cutting edges.

Step #1:

Select a wood screw size and length best suited for the project at hand. When selecting a length of screw, keep in mind that $\frac{1}{3}$ of the total length of the screw should be in the piece of wood being attached and $\frac{2}{3}$ of the total length should be in the piece of wood being attached to.

Step #2:

Use a Tapered Drill and Countersink combination to pre-drill pilot hole, countersink and counterbore for the screw size of your choice. Position the countersink on the tapered drill so that the point end of the drill extends from the countersink the same distance as the length of the wood screw, measured from under the head.

The force required to tighten the wood screw can be decreased by adjusting the countersink farther away from the point of the drill. The force can be increased by moving the countersink closer to the point of the drill. The locking set screws should be positioned to lock into the flute of the tapered drill. Use a Stop Collar, if needed, to control the depth of the counterbore. Mount the Stop Collar on the Countersink and tighten with set screws.

Step #3:

Attach two pieces of wood by driving the screw into the pre-drilled hole. Insert wood plug over screw head using a small amount of wood glue. Sand off wood plug flush with surface. **(Also find mahogany and teak plugs in our Cabin & Interior section.)**

