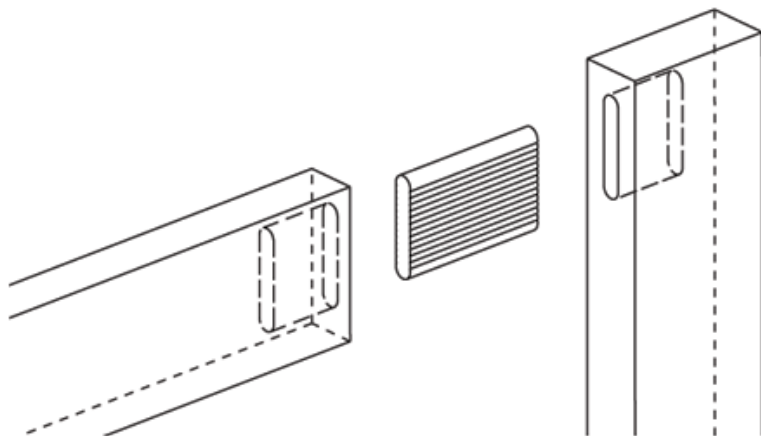


Lee Valley Floating Tenons vastly simplify mortise and tenon joinery. Made of hard maple or birch (depending on supply), they are available in three sizes – $\frac{1}{4}'' \times 1''$, $\frac{5}{16}'' \times 1\frac{1}{2}''$ and $\frac{3}{8}'' \times 2''$. The 12" lengths are fluted to prevent hydraulic lock and have radiused edges to match a routed mortise.

Select an appropriately sized tenon for your application and lay out two opposing mortises. Cut the mortises with a router using a straight bit of the corresponding size (i.e., $\frac{1}{4}''$ bit for $\frac{1}{4}''$ tenon). Cut the floating tenon about $\frac{1}{16}''$ to $\frac{1}{8}''$ less than the combined depths of the two mortises. Apply glue and assemble joint.



Note: These tenons were made slightly undersize in order to fit into mortises made with standard bits or tools. Depending on the moisture conditions in your shop, floating tenons may swell slightly if their moisture content increases beyond the 6 to 8% moisture content at which they were produced. They can be returned to their original size by simply placing them in a conventional oven set to 200°F (93°C) for 10 to 20 minutes. Store in an airtight container (a Ziploc[®] bag is ideal) to keep them at a constant moisture content.