

Pocket Hole Jig Plans

Materials List

Back - 11 1/2" by 8" by 3/4"

Base - 12" by 10" by 3/4"

Workpiece Support 11 1/2" by 1 1/2" by 3/4"

Center Braces (Two) - 3 1/2" by 6" by 3/4"

Outer Braces (Two) - 3 1/2" by 2" by 3/4"

T-Track - (One) 7 1/2" long section

T-Track - (One) 12 1/2" long section

Instructions

1. Cut the Base and back from 3/4" thick stock of your choice.
2. Cut the Workpiece Support from 1 1/2" thick stock. (You can rip this piece from a piece of 2 by 4 with your table saw. Set the blade angle to 75°.)
3. Cut the Outer and Center Braces from 3/4" thick stock.
4. Cut one piece T-Track 11 1/2" long and one piece of T-Track 7 1/2" long..
5. On the 11 1/2" T-Track, drill 3/16" diameter holes 3/4" from each end and then drill a 3 3/4" hole from each end. Countersink the four holes.
On the 7 1/2" T-Track, drill a 3/16" hole 1 1/4" from each end and countersink the two holes. These holes will line up with the rear braces.
6. Cut the 3/4" wide by 1/2" deep slots for the T-Track with your table saw or router. See the *Side View* of the **Pocket Hole Jig Back** drawing.
7. Insert the T-Track into the slots and mount the back to the braces and base as shown in the isometric views. Position the braces so the screw holes in the T-Track are centered in the braces.
8. Attach the Base to the back as shown in the isometric views.
9. Drill a 3/16" hole about 2" from each end of the Workpiece Support and countersink both holes. Attach the Workpiece Support to the Base as shown in the isometric views. (Don't glue the Workpiece Support to the Base because you may want to replace it in time.)
10. Cut three pieces of medium grit sandpaper exactly the right size to cover the exposed surface of the face segments. Glue the sandpaper to the face surfaces. The sandpaper keeps the work pieces from sliding easily.

T-Track, Clamps, and Stop Blocks

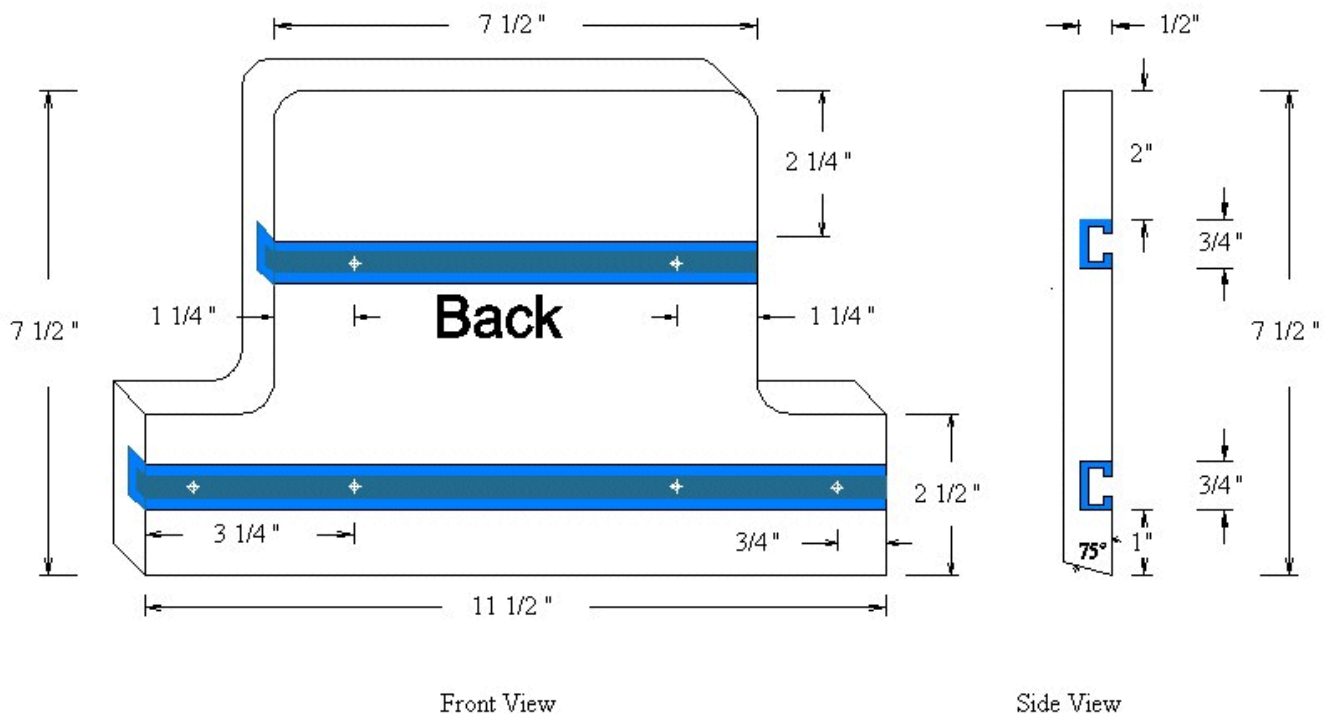
Note: T-Track is available from a number of sources including Rockler. Rockler offers a kit that includes 48" of T-Track and an assortment of eight knobs, and eight T-Bolts for about \$20. This assortment should cover pretty much all the knobs and bolts you'll need, but you'll

undoubtedly find more uses for T-Track and may want to order a few additional feet. You'll also need some clamps and stop blocks.

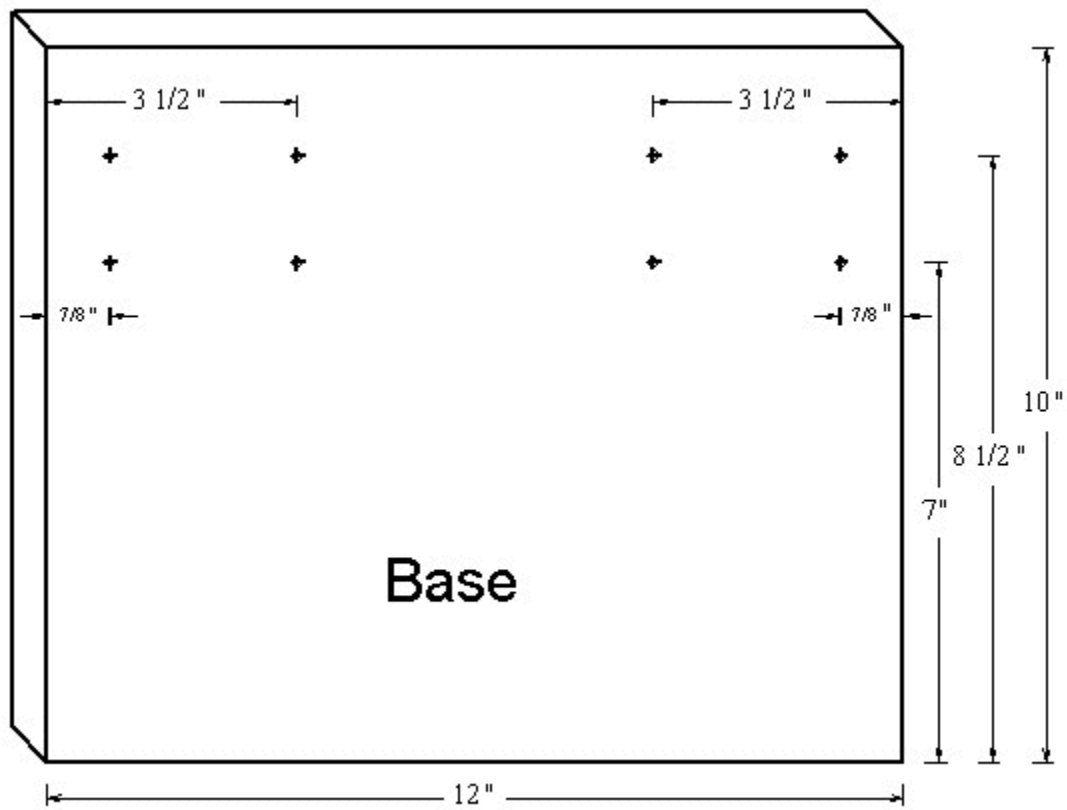
Hold Down clamps don't need to be mounted on a block of wood. You simply slide the bolt head through the T-Track slot. The round pivot spacer with the flat top goes between the clamp and the knob.

Toggle clamps must be mounted on a piece of wood. A 4" by 2" piece of 3/4" plywood works well for many applications. Mount the Toggle clamp on one end and drill a hole for the T-Bolt about 1 1/2" from the other end.

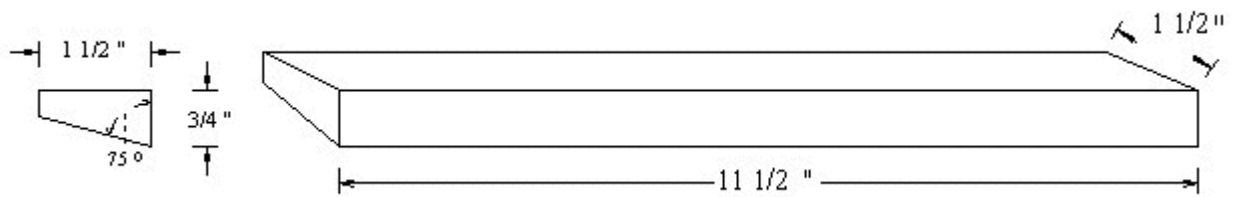
For Stop Blocks, cut a piece of 3/4" thick stock into the desired shape. Drill a hole in a piece of wood and insert a T-Bolt up through the bottom with a flat washer and knob on top. The bolt head slides thru the T-Track and you simply place the stop where you want it and tighten the knob.



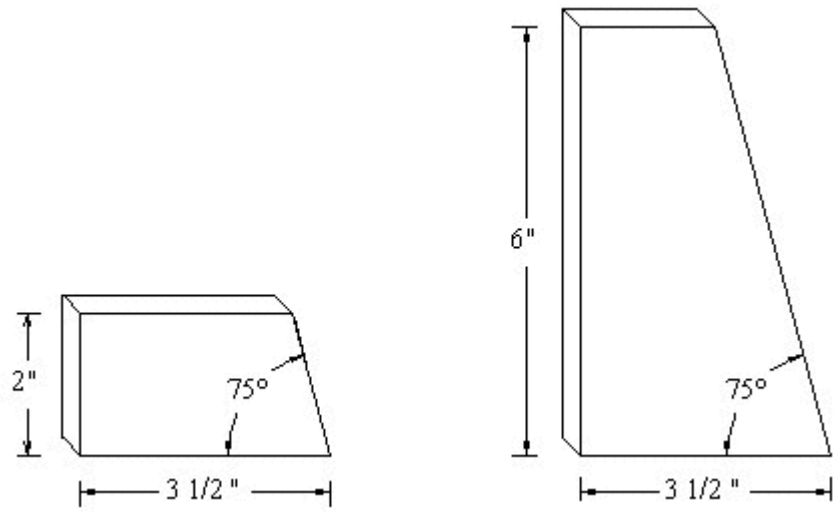
Pocket Hole Jig Back



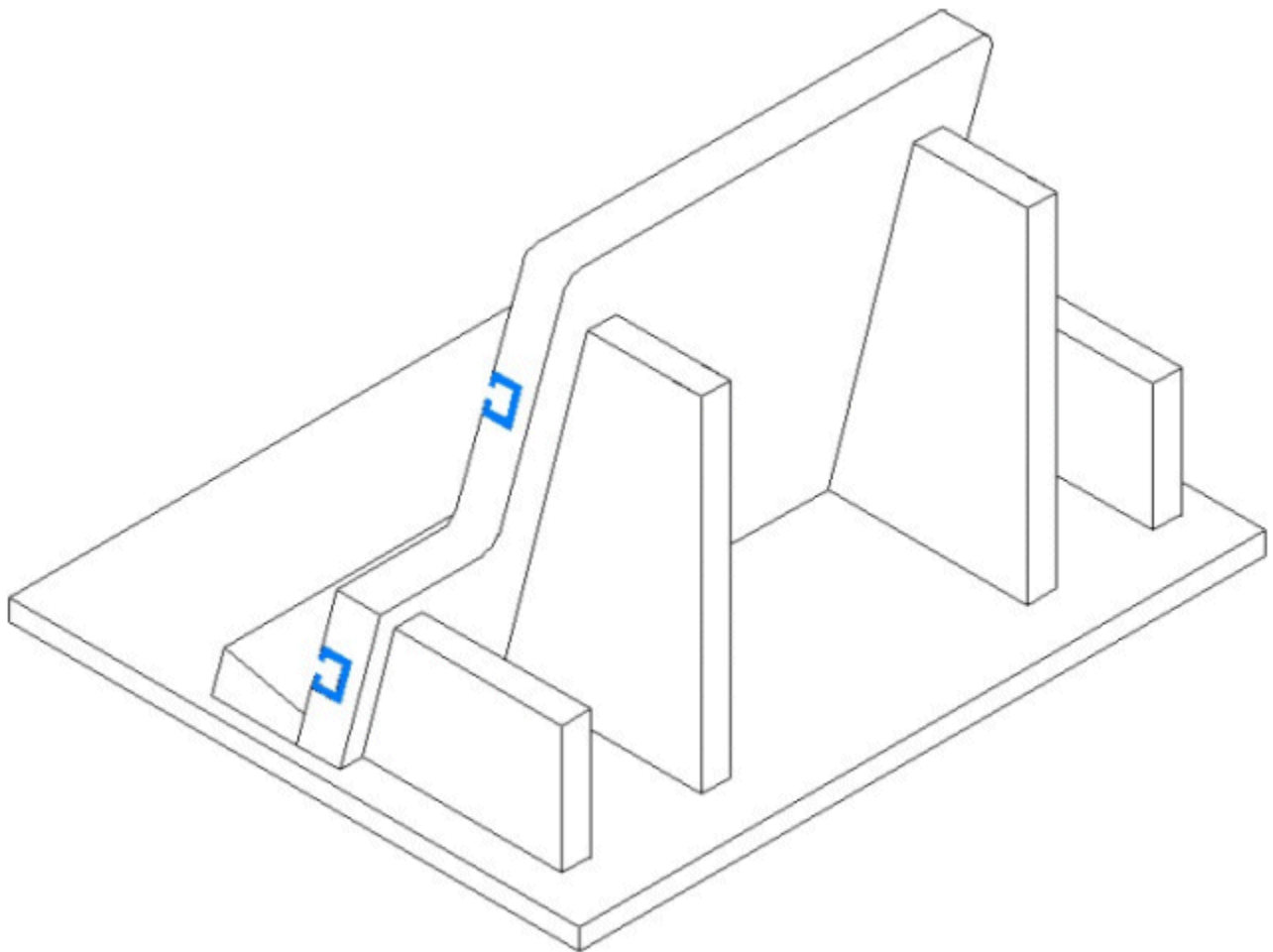
Pocket Hole Jig Base



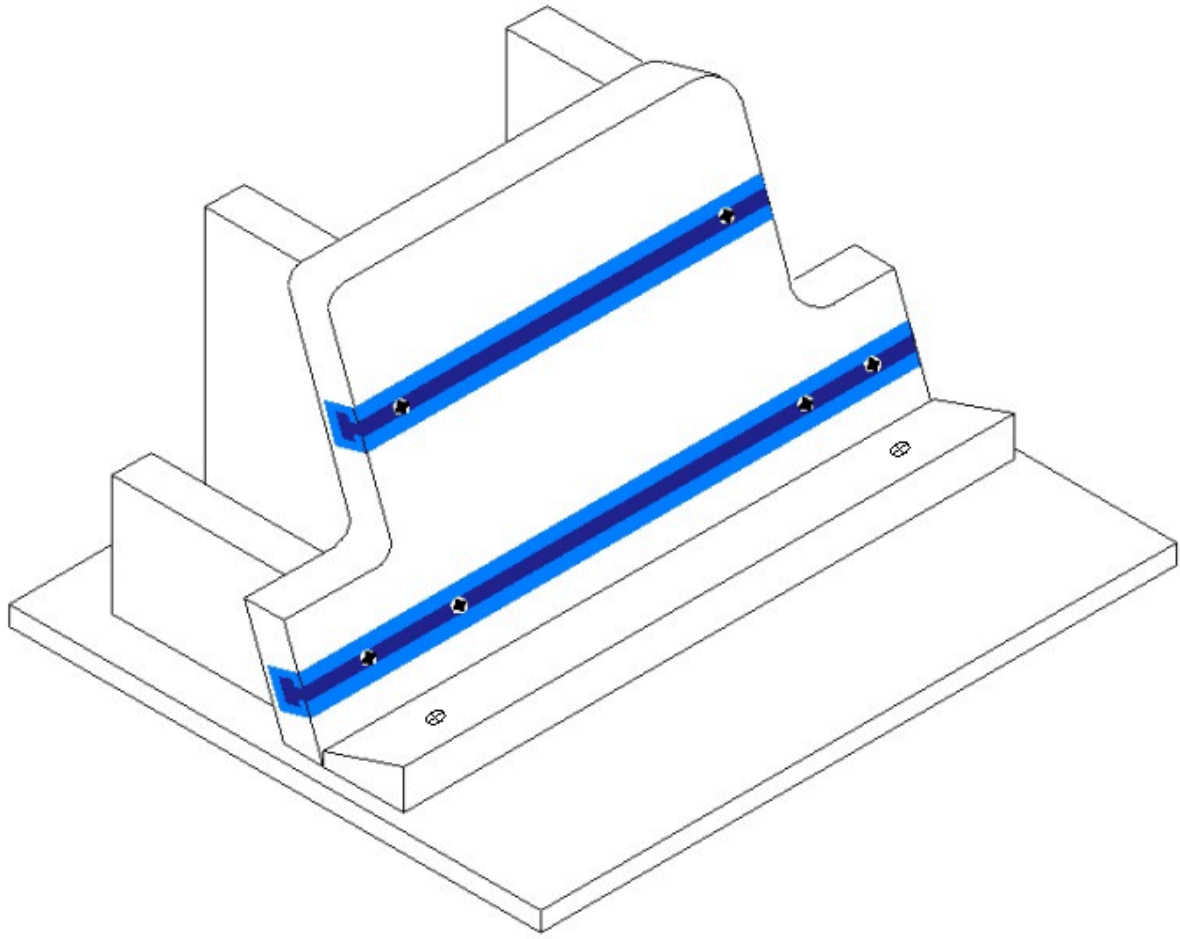
Pocket Hole Jig Workpiece Support



Pocket Hole Jig Braces



Pocket Hole Jig Isometric View (Rear)



Pocket Hole Jig Isometric View (Front)