

Pocket Hole in One

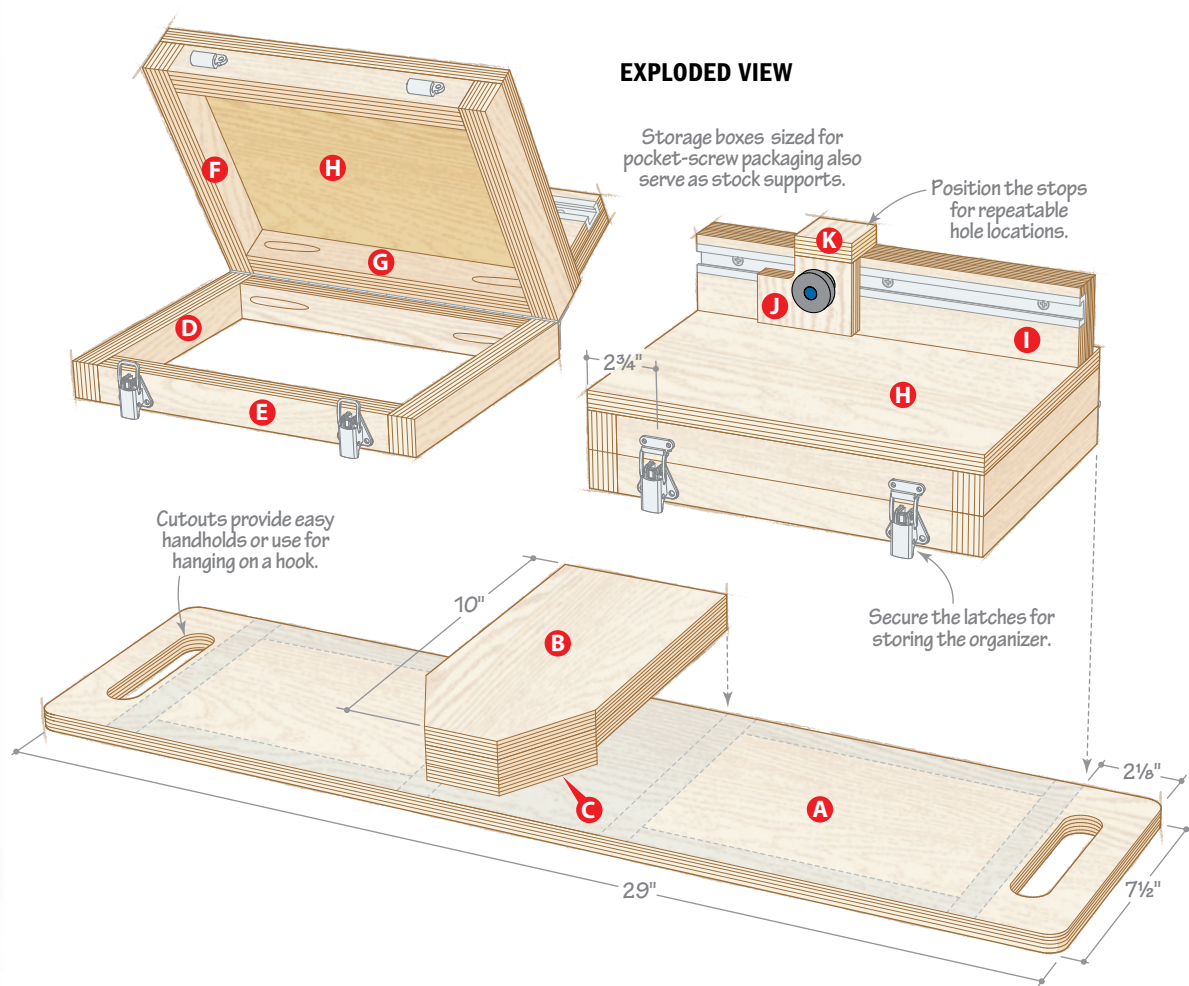
If your pocket-hole drilling setup seems subpar, putter around in the shop for a weekend building this overachieving organizer.

Besides a large, stable platform for supporting workpieces, this fixture also provides ample storage for screws, bits, and accessories. When you finish using it for the day, hang it conveniently out of the way.

D I M E N S I O N S :
29" W x 10" D x 5½" H

16

Pocket screws
used to build
this project

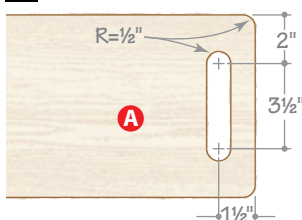


Lay the foundation

This organizer consists of three main components: a base, the storage boxes, and the fences [Exploded View]. We sized the base for the Kreg 720 pocket-hole jig (available at online and retail sources). If you own a different brand or model, you may have to modify the base and riser dimensions to accommodate it.

1 Cut to size the base (A) [Materials List, Exploded View]. Lay out and cut the handle openings at each end [Photo A, Drawing 1]. Sand the openings smooth and radius the corners of the base.

1 HANDLE DETAIL



A Drill out the ends of the handle opening with a 1" bit, backing up the workpiece with scrap to avoid blow-out. Then jigsaw away the waste between the holes.



B Keeping the edges flush, glue and clamp the filler (C) to one end of the riser (B).



C To account for variations in plywood thickness, measure the height of the riser (B) to determine the width of the box sides, fronts, and backs (D, E).

►Laminate: Glue two workpieces face-to-face.

2 Cut to size and laminate two pieces of $\frac{1}{2}$ " plywood for the riser (B) [Materials List]. Cut to size a blank for the filler (C) and glue it to the riser [Photo B].

3 With the glue dry, jigsaw the end of the riser/filler assembly (B/C) to final shape and sand smooth [Drawing 2].

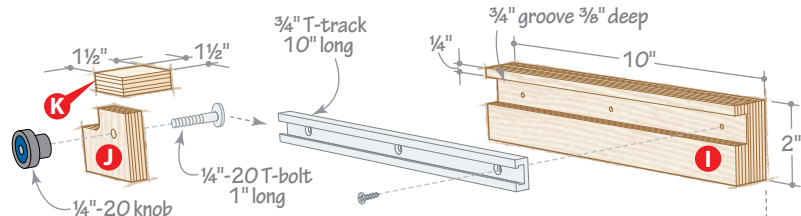
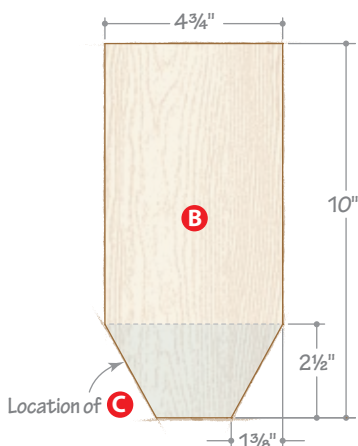
4 Center the riser/filler assembly on the base (A) and glue and clamp it in place [Exploded View].

Boxing match

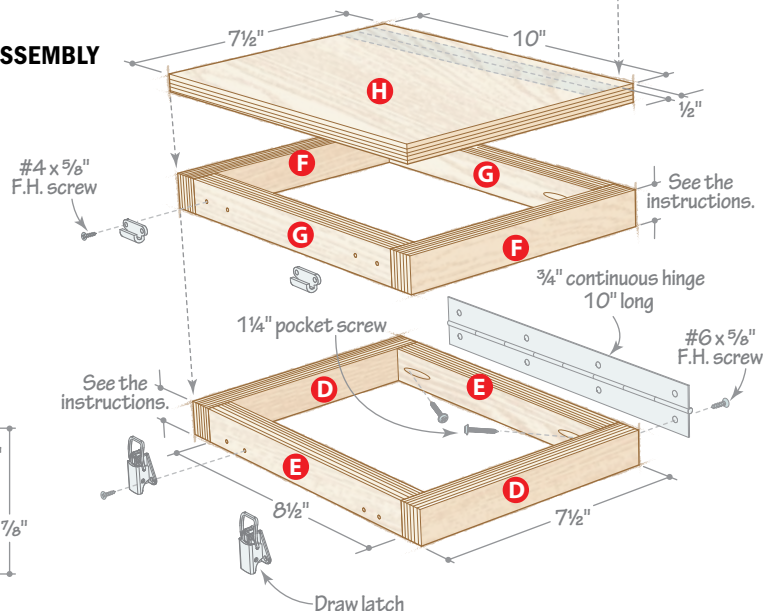
1 Measure the height of the riser [Photo C]. Using this dimension as the width, cut the box sides, fronts, and backs (D, E) to size [Drawing 3].

2 Drill pocket holes in the ends of the box fronts/backs (E), then glue and screw together the two box assemblies. Finish-sand the assemblies and glue them to the base and riser [Exploded View].

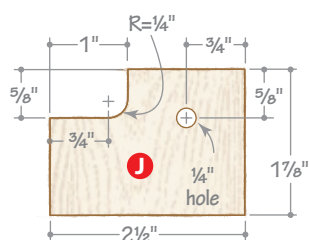
2 RISER/FILLER ASSEMBLY



3 BOX ASSEMBLY



3a STOP



3 Place a scrap of ½" plywood on top of one of the box assemblies. Rest your pocket-hole jig on the riser (B/C) and measure from the face of the plywood scrap to the work-surface of the pocket-hole jig. Using this dimension as the width, cut to size the lid sides, fronts, and backs (F, G) [Drawing 3].

4 Assemble the lids as you did the storage boxes. Then, cut to size the lid tops (H) and glue them to the lid assemblies. Finish-sand the lids.

Don't fence me in

1 From ½" plywood, cut four blanks for the fences (I) [Materials List, Drawing 3]. Laminate each pair of blanks.

2 Using a dado blade, cut a groove in the face of each fence to accept the T-track [Drawing 3, Sources].

3 Glue the fences to the lid assemblies, positioning them as shown [Drawing 3].

4 Cut a 2½×6" blank from a piece of ½" plywood for the fence stops (J). Lay out the shape and hole locations for the stops at both ends of the blank [Drawing 3a]. Drill the holes [Photo D] and cut the stops to shape.

5 Cut the stop tops (K) to size. Glue the tops to the stops to create two mirrored, L-shape stop assemblies [Exploded View].

Add some hardware

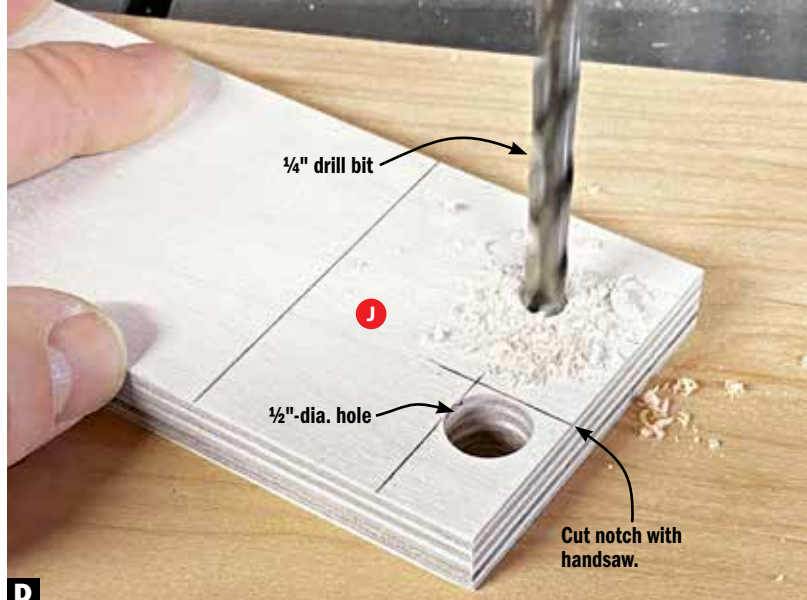
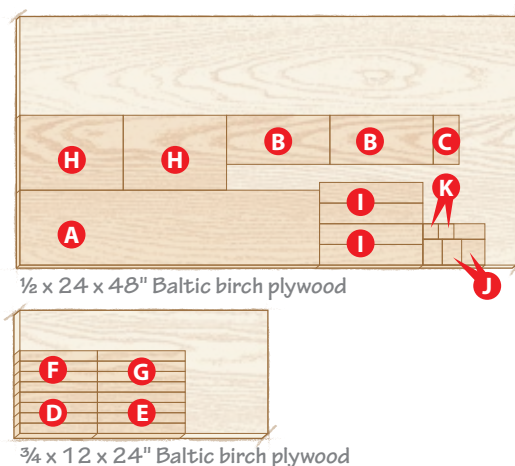
1 Finish-sand the remaining parts to 150-grit. Apply a finish to all components. (We sprayed on a lacquer finish.)

2 With the finish dry, cut the T-track and continuous hinges [Sources] to length [Drawing 3]. Screw the T-track into the grooves in the fences. Attach the lids to the boxes with the continuous hinges.

Tip! Don't own a dado blade? Cut the groove for the T-track by making multiple passes with a standard blade, moving the rip fence after each cut.

► Make easy work of installing continuous hinges.
woodmagazine.com/piano hinge

Cutting Diagram



D Keep your fingers a safe distance from the bit when drilling the holes for the stops (J). After forming the notch, cut the stop from the blank.

3 Install the draw latches [Sources] on the front of the boxes and lids [Exploded View, Drawing 3]. Attach the stops with T-bolts and knobs [Sources].

4 Place your pocket-hole jig on the riser (B) and center it between the two box assemblies. Clamp a straightedge or straight board across both fence assemblies and align the jig with the board. Mark the location of the jig on the riser and remove the board. Flip open the box lids and open the support wings on the pocket-hole jig to expose the mounting screw holes. Screw the jig to the organizer, then fold the support wings in. After testing the alignment, you're ready to take your pocket-hole jig for a spin. 🌲

Materials List

Part	FINISHED SIZE			Matl.	Qty.
	T	W	L		
A base	½"	7½"	29"	Ply	1
B riser	1"	4¾"	10"	LP	1
C filler	½"	4¾"	2½"	Ply	1
D box sides	¾"	*1"	7½"	Ply	4
E box fronts/backs	¾"	*1"	8½"	Ply	4
F lid sides	¾"	*1"	7½"	Ply	4
G lid fronts/backs	¾"	*1"	8½"	Ply	4
H lid tops	½"	7½"	*10"	Ply	2
I fences	1"	2"	*10"	LP	2
J stops	½"	2½"	1⅞"	Ply	2
K stop tops	½"	1½"	1½"	Ply	2

*Approximate dimension. Cut parts to fit. See the instructions.

Materials key: Ply-Baltic birch plywood, LP-laminated plywood.

Supplies: #6×⅝" flathead screws, 1¼" pocket screws.

Blade: Dado set.

Sources: 2" T-track (1) no. 22104; 1½×36" nickel continuous hinge (1) no. 30085; 1×¼"-20 round knobs (2) no. 58088; 1×¼"-20 T-bolts (pack of 5) no. 31969, Rockler, 800-279-4441, rockler.com. Draw latches (2) no. 1889A34, McMaster-Carr, 562-692-5911, mcmaster.com.

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