Kreg Universal Bench Options

Project Plan

Enhance the utility of your Kreg Universal Bench work station by adding storage. Options include:

▶ **simple shelf**

▶ **shelf with a three-sided cabinet**

▶ **fully enclosed cabinet with doors.**

These instructions show you how to build storage into any of the 15 possible bench sizes and tell you how to measure your stand to determine part sizes.
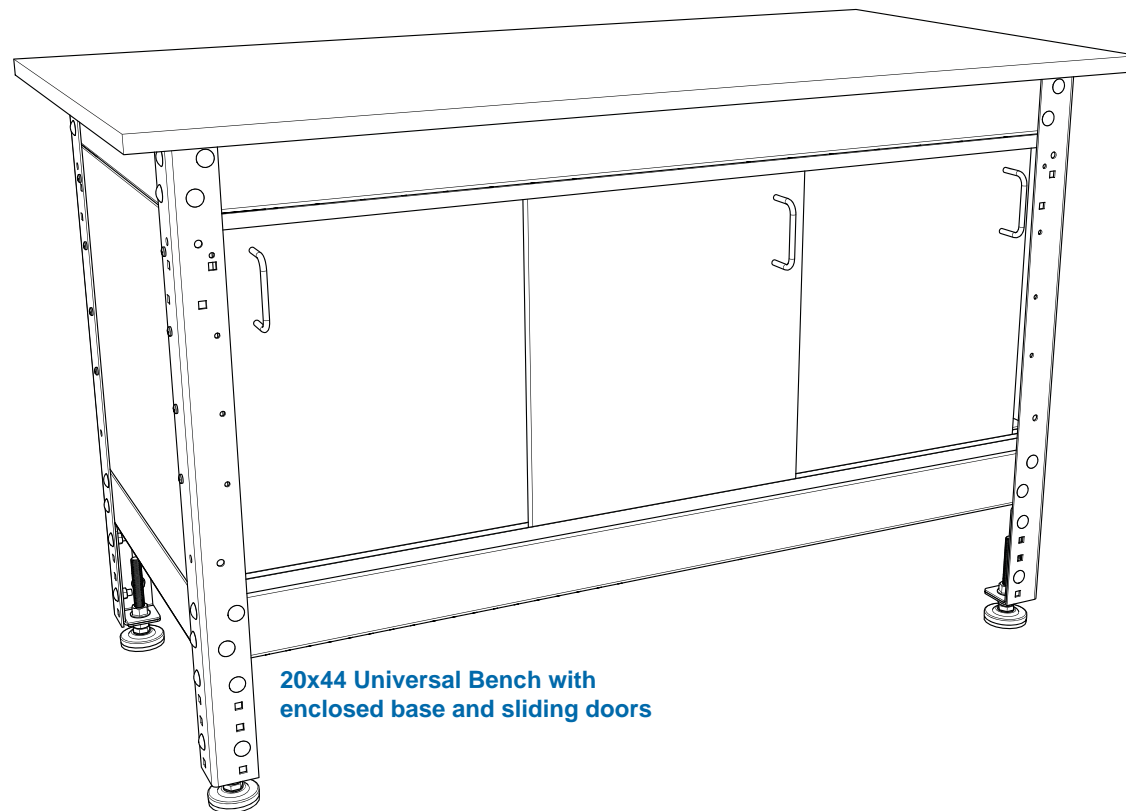
20x28 Universal Bench

Shelf only

3-sided enclosure

Enclose base with hinged doors

**20x44 Universal Bench with enclosed base and sliding doors**

ADD A SHELF

To incorporate a storage shelf into your workstation, cut a ¾" plywood, particleboard, or MDF panel $\frac{1}{16}$" less in length and width than the dimensions measured from the inside faces of the legs. Holding the shelf at an angle, slide it into the stand, as shown on **Drawing A**, and rest it on the top flange of the lower rails. If you wish to fasten the shelf in place, trace the holes in the top flanges of the rails onto the bottom of the shelf. Remove the shelf and drill pilot holes. Replace the shelf and fasten it with #10 x ½" panhead screws. To drive the screws, insert a screw driver through the holes in the bottom flanges of the rails.

Note: For the 20 x 28 Universal Bench stand used in this example, the shelf is $19\frac{11}{16}$" deep x $27\frac{11}{16}$" wide.

Ⓐ
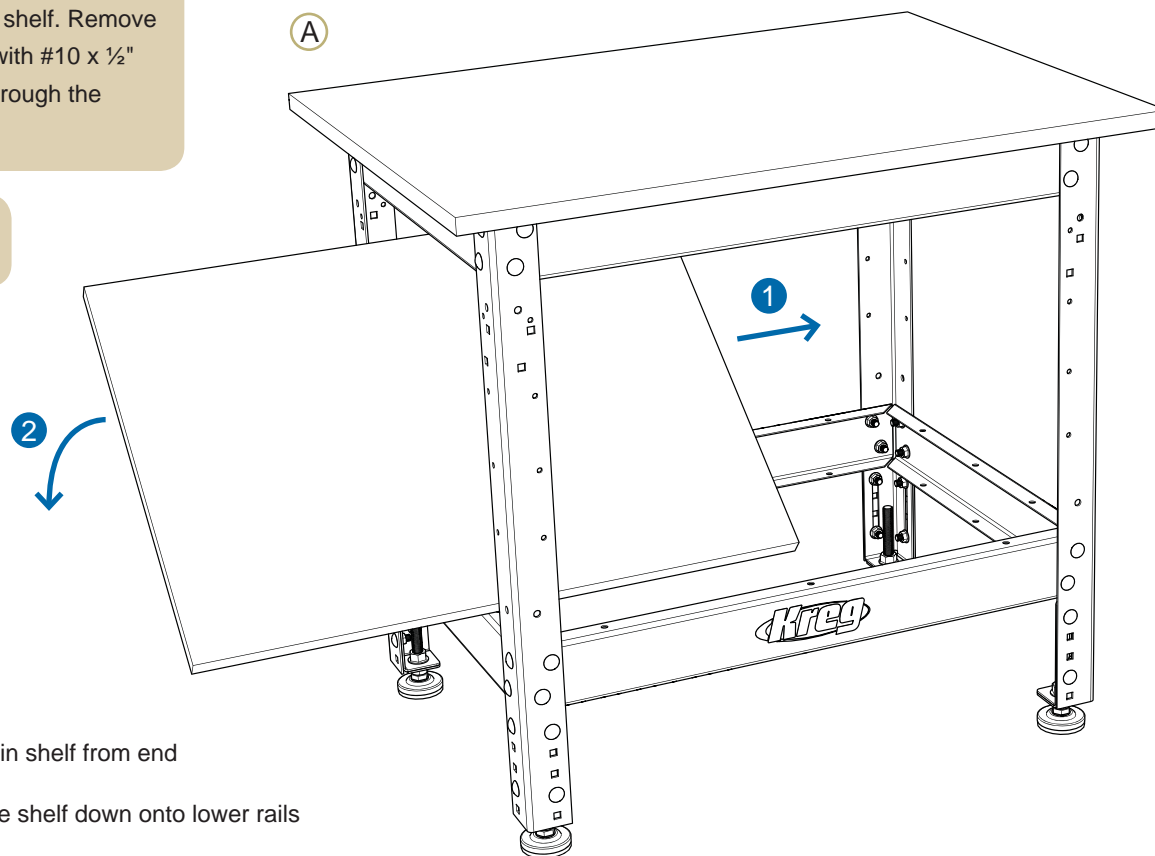
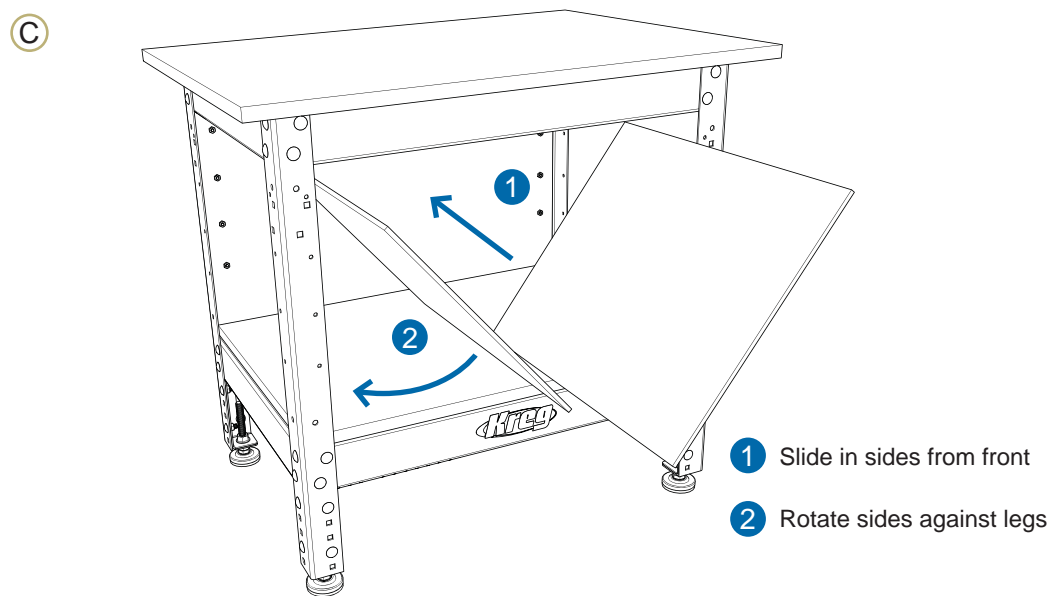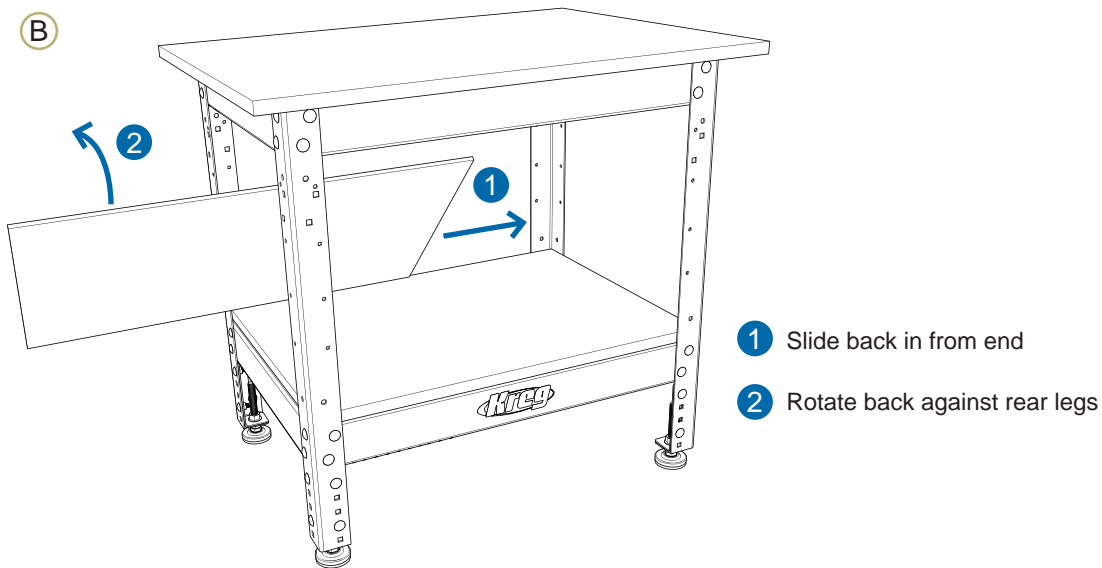1 Slide in shelf from end

2 Rotate shelf down onto lower rails

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ENCLOSE THE BASE

For the stand back and ends, cut ¼" plywood, hardboard, or perforated hardboard ¹⁄₁₆" less in height and 2½" more in width than the back and end openings. For the shelf depth subtract the back-panel thickness plus ¹⁄₁₆" from the stand front-to-back dimension measured from the inside faces of the legs. For the shelf width, subtract twice the end-panel thickness plus ¹⁄₁₆" from the stand end-to-end dimension measured from the inside faces of the legs. Cut ¾" plywood, MDF or particleboard to these dimensions.

Note: For the 20 x 28 Universal Bench stand used in this example, the end panels are 15¹⁵⁄₁₆" high x 18½" wide, the back panel is 15¹⁵⁄₁₆" high x 26½" wide, and the shelf is 19⁷⁄₁₆" deep x 27⁷⁄₁₆" wide.

Slide the shelf into the stand and rest it on the lower rails, with the front edge against the insides of the front legs and centered side to side. Trace the holes in the top flanges of the rails onto the bottom of the shelf. Remove the shelf and drill pilot holes. Replace the shelf and fasten it with #10 x ½" panhead screws. To drive the screws, insert a screw driver through the holes in the bottom flanges of the rails. Slide the back panel into the stand, as shown on **Drawing B**, and tip it upright at the back. Center the panel side to side. Drill ³⁄₁₆" holes through the panel, using the holes in the legs as guides. Fasten the panels with 10-24 x ¾" roundhead machine screws, washers, and nuts. Insert the end panels, as shown on **Drawing C**, and tip them into place. Center the panels, drill holes, and fasten the panels.

B

1. Slide back in from end
2. Rotate back against rear legs

C

1. Slide in sides from front
2. Rotate sides against legs

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D

ADD DOORS

Note: For openings in 14" and 20" stand faces, we recommend a single hinged door. For a 28" face, install a pair of hinged doors. For 44" and 64" faces, install a pair of sliding doors.

For hinged doors, attach 1x2s to the inside of the leg on one or both sides, as required, fastening them with ½" panhead screws driven through the holes in the legs, as shown on **Drawing D**. Measure the door opening height and width. For single door height and width, subtract ⅛" from each dimension. For double door height, subtract ⅛" from the opening height. For the width of each double door, divide the opening width by two and subtract ⅛". Cut the doors to size and hang them with non-mortise hinges screwed into the edges of the 1x2s and doors, as shown on **Drawing E**. Install pulls and strikes on the doors and mount catches on the shelf, where shown on **Drawing F**.

Note: For the 20 x 28 Universal Stand used in this example, each door is 15⅛" high x 11⅞" wide.
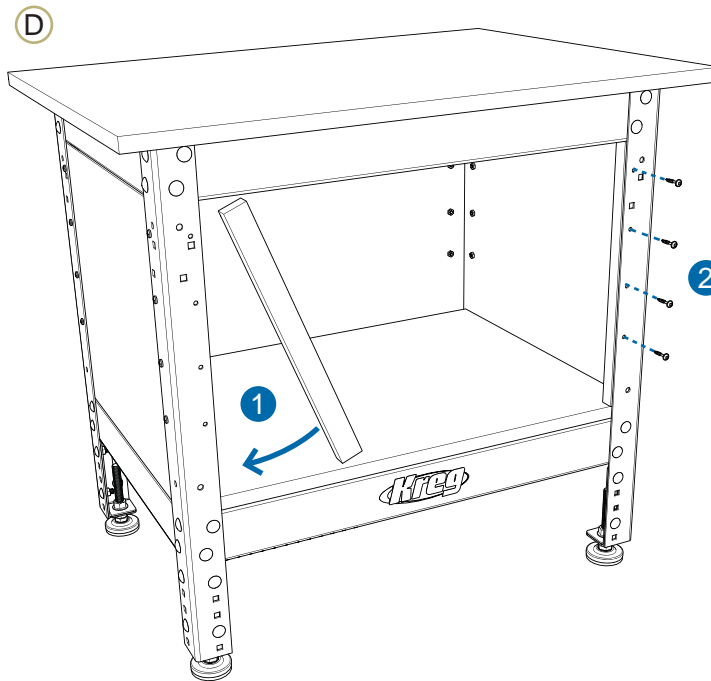
1 Position 1X2's inside legs

2 Drive screws

E
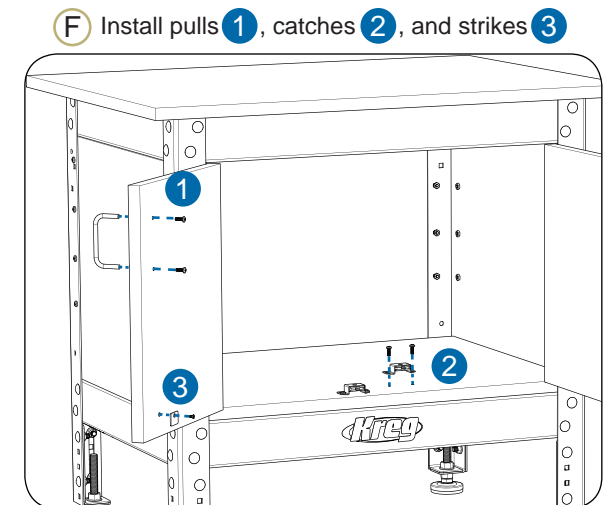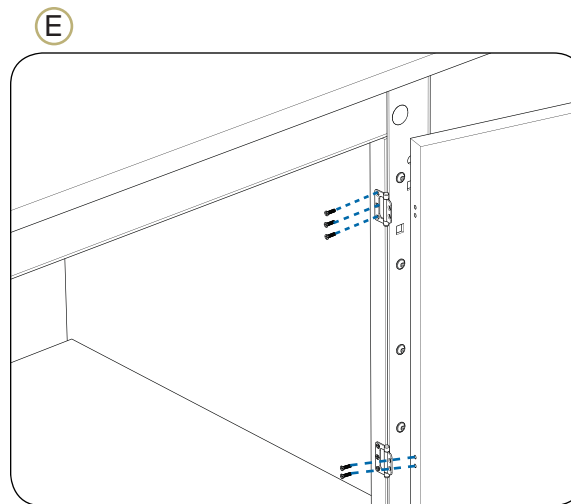
F Install pulls **1** , catches **2** , and strikes **3**

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For sliding doors, mount top and bottom tracks for ¼"-thick doors with fabric-backed double-faced tape or double-faced foam mounting tape. Adhere the bottom track to the shelf and the top track to the bottom flange of the upper rail, positioning the track behind the leg flanges, as shown on **Drawing G**. Cut doors to size from the same material used to enclose the stand. Follow the instructions that come with the sliding door track for determining door height. To make the doors extend 1" behind the legs and overlap 1" in the middle, make doors for a 44" face 21 ½" wide and doors for a 64" face 31 ½" wide. Install door pulls where shown on **Drawing H**. Lift the doors into the channels in the top track and then drop them down into the corresponding channels in the bottom track.

Note: For the 20 x 44 Universal Bench stand used in this example, each door is 14¹³⁄₁₆" high x 21½" wide.

G
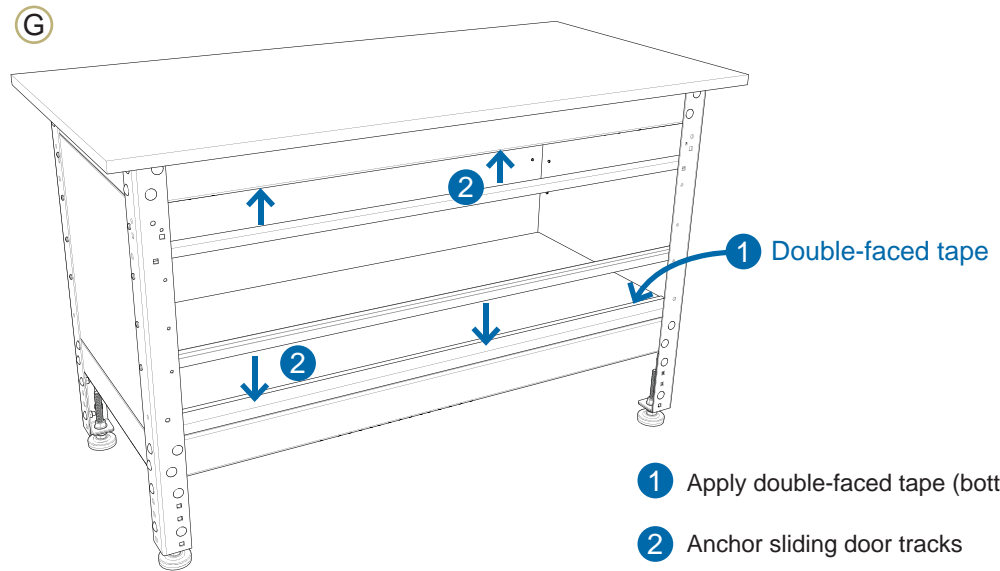
1 Double-faced tape

1 Apply double-faced tape (bottom and top)

2 Anchor sliding door tracks

H
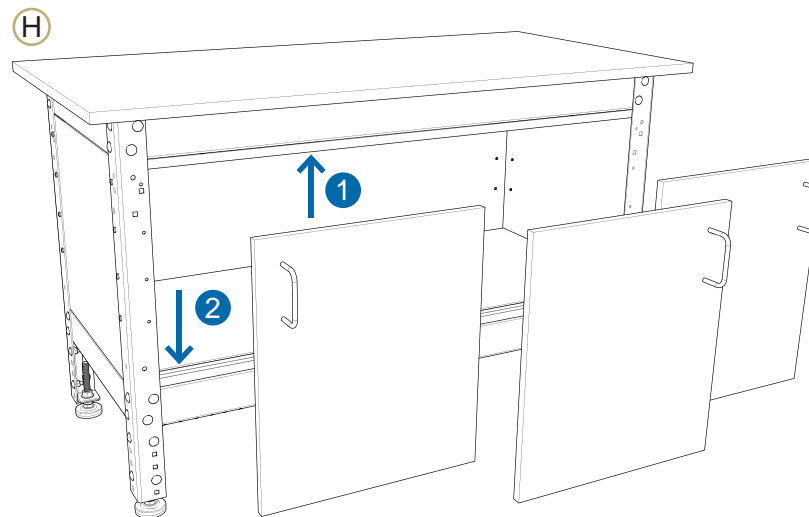
1 Lift door into top track

2 Lower door into bottom track