BUILD IT WITH ROCKLER

PULLOUT SHELF

BUILD

<table>
<thead>
<tr>
<th>Stock</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>12229</td>
<td>Drawer Sides, 2 1/2&quot; x 48&quot;</td>
</tr>
<tr>
<td>63420</td>
<td>Baltic Birch Ply, 1/4&quot; x 24&quot; x 30&quot;</td>
</tr>
<tr>
<td>38742</td>
<td>Maple, 3/4&quot; x 3&quot; x 24&quot;</td>
</tr>
<tr>
<td>45953</td>
<td>100# Zinc Over-Travel Drawer Slides - Centerline 757 - 20&quot;</td>
</tr>
<tr>
<td>44311</td>
<td>100# Zinc Over-Travel Drawer Slides - Centerline 757 - 22&quot;</td>
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<tr>
<td>49779</td>
<td>100# Zinc Over-Travel Drawer Slides - Centerline 757 - 24&quot;</td>
</tr>
<tr>
<td>30254</td>
<td>#8 x 1 1/4&quot; Square Drive Lube Finished Screws</td>
</tr>
<tr>
<td>42196</td>
<td>#8 x 2&quot; Round Washer Recex Screw</td>
</tr>
<tr>
<td>82321</td>
<td>General Finishes EF High Performance Poly Top Coat-Satin</td>
</tr>
</tbody>
</table>

All items subject to changes in availability.

CUSTOMIZE

Select alternate length drawer slides:

- 46981 100# Zinc Over-Travel Drawer Slides - Centerline 757 - 18"
- 44311 100# Zinc Over-Travel Drawer Slides - Centerline 757 - 22"
- 49779 100# Zinc Over-Travel Drawer Slides - Centerline 757 - 24"

Select alternate height Drawer Sides:

- 12237 3/8" x 48" Long Birch Drawer Side
- 12245 5/8" x 48" Long Birch Drawer Side
- 12252 7" x 48" Long Birch Drawer Side
- 12260 10" x 48" Long Birch Drawer Side

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800-279-4441

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Note: Sides, Front, and Back parts made from Rockler Drawer Side Stock – Various heights available

- Side
- Front
- Back

- 3/4” x 1 1/2” Drawer Slide Cleat
- Over-Travel Drawer Slide
- 1/4” Baltic Birch Bottom
- 3/4” x 1 1/2” Drawer Slide Cleat
- Over-Travel Drawer Slide
1. **MEASURE THE SHELF SPACE**
   
   1. This pullout shelf is essentially a shallow drawer that is mounted directly to the bottom of the cabinet or to an existing fixed shelf in the cabinet. This method eliminates the need to install clearance spacers to the sides of the cabinet. Only mount pullout shelf to a fixed shelf or cabinet bottom.

   First determine how much space you have for the shelf. Measure the distance between any obstructions that the shelf will have to fit between when opening. This space is most commonly between the door hinges, but it might also be between the face frame stiles (the vertical cabinet face frame pieces).

   Note: The Drawer Side stock is available in several different heights. Choose the alternative Drawer Side height that best suits your pullout shelf application.

2. **CALCULATE THE SHELF DIMENSIONS**
   
   2. The width of the pullout shelf box is calculated by subtracting $2\frac{3}{4}$" from the dimension measured in Step 1. The $2\frac{3}{4}$" accounts for the thickness of the two drawer slide cleats ($1\frac{1}{2}$"), the thickness of the two drawers slides (1"), and an additional 1/4" to provide a little extra space to fit.

   The length of the pullout shelf box needs to be less than the interior depth of the cabinet. Typically a pullout shelf is 1" - 2" less than the depth of the cabinet.
3. **CALCULATE THE PART DIMENSIONS**

- **Side Length = Shelf Box Depth**
- **Front and Back Length = Shelf box Width - 1”**
- **Bottom Length = Shelf Box Depth - 1/2”**
- **Bottom Width = Shelf Box Width - 1/2”**
- **Drawer Slide Cleats Length = Side Length**

3. Use the overall shelf box dimensions (determined in Step 2) to determine the dimensions of the shelf box parts. The shelf sides are the same as the total length of the shelf. The shelf front and back are the width of the shelf minus the two side thicknesses (1” total). The bottom panel dimensions are the overall shelf dimensions minus 1/2” off the length and width of the shelf.

   Cut the front, back and sides to length. Cut the bottom panel to size.

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4. **ASSEMBLE THE SHELF BOX**

4. Dry assemble the shelf box parts to make sure that they fit together and the corner joints are tight. Next, apply glue to the grooves in the front, back, and sides. Clamp the parts together and measure diagonally across the corners to make sure that the assembly is square (inset photo). These measurements should be equal. If they are not equal, then adjust the assembly to bring it into square.
5. FASTEN THE SIDES TO THE FRONT AND BACK

5. With the box still in the clamps, use a pilot and countersink bit to drill pilot and countersunk holes through the sides and into the front and back at each corner. Fasten the sides to the front and back with #8 x 1 1/4" screws (inset photo).

6. MOUNT THE DRAWER SLIDES

6. Rip 1 1/8" wide strips of 3/4" stock to use as the drawer slide cleats. Cut the cleats to the same length as the shelf box sides (see Step 3). Align the bottom edge of the drawer slide flush with the bottom edge and front edge of the cleat. Then attach the drawer slides to the cleats with the screws included with the drawer slides. Next, remove the drawer slide extension from the drawer slide. Align the bottom edge of the drawer slide extension flush with the bottom and front edges of the shelf box sides. Attach the slide extension to the shelf box side with the screws included with the drawer slide (inset photo).
7. Reassemble the drawer slides to connect the box with the cleats. Then drill two 3/16"-diameter clearance holes through the top of the drawer slide cleats. Place a piece of scrap wood under the cleat when drilling to act as a backer board and help prevent tearout.

8. Center the pullout shelf assembly in the cabinet. In this case we positioned the front edge flush with the front edge of the cabinet bottom, but you may need to position your shelf to allow for door clearance. Drive #8 x 2" screws in the clearance holes to attach the shelf.