PAUL SELLERS’ WORKBENCH MEASUREMENTS AND CUTTING LIST
NOTE

When putting together the cutting list for my workbench, I worked in imperial, the system with which I am most comfortable. I was not happy, however, to then provide direct conversions to metric because to be accurate and ensure an exact fit this would involve providing measurements in fractions of millimetres. When I do work in metric I find it more comfortable to work with rounded numbers, therefore I have created two slightly different sets of measurements. This means that in places the imperial measurement given is not a direct conversion of the metric measurement given. Therefore, I suggest you choose one or other of the systems and follow it throughout.
## WOOD

<table>
<thead>
<tr>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>SIZE (IMPERIAL) (THICK X WIDE X LONG)</th>
<th>SIZE (METRIC) (THICK X WIDE X LONG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Leg</td>
<td>2 ¾” x 3 ¾” x 34 ⅜”</td>
<td>70 x 95 x 875mm</td>
</tr>
<tr>
<td>1</td>
<td>Benchtop</td>
<td>2 ⅜” x 12” x 66”</td>
<td>65 x 300 x 1680mm</td>
</tr>
<tr>
<td>2</td>
<td>Apron</td>
<td>1 ⅛” x 11 ½” x 66”</td>
<td>40 x 290 x 1680mm</td>
</tr>
<tr>
<td>1</td>
<td>Wellboard</td>
<td>1” x 12 ⅜” x 66”</td>
<td>25 x 320 x 1680mm</td>
</tr>
<tr>
<td>4</td>
<td>Rail</td>
<td>1 ⅛” x 6” x 26”</td>
<td>40 x 150 x 654mm</td>
</tr>
<tr>
<td>2</td>
<td>Bearer</td>
<td>1 ¼” x 3 ⅝” x 25”</td>
<td>30 x 95 x 630mm</td>
</tr>
<tr>
<td>4</td>
<td>Wedge</td>
<td>⅜” x 1 ½” x 9”</td>
<td>16 x 40 x 228mm</td>
</tr>
<tr>
<td>4</td>
<td>Wedge retainer</td>
<td>⅜” x 1 ½” x 4”</td>
<td>16 x 40 x 100mm</td>
</tr>
</tbody>
</table>

## HARDWARE

<table>
<thead>
<tr>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>SIZE (IMPERIAL)</th>
<th>SIZE (METRIC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Vise</td>
<td>9”</td>
<td>225mm</td>
</tr>
<tr>
<td>4</td>
<td>Dome head bolts (including nuts and washers) for bolting legs to aprons</td>
<td>⅜” x 5”</td>
<td>10 x 130mm</td>
</tr>
<tr>
<td>2</td>
<td>Lag screws (with washers) for underside of vise</td>
<td>½” x 2 ½”</td>
<td>12 x 65mm</td>
</tr>
<tr>
<td>2</td>
<td>Lag screws for face of the vise</td>
<td>5/16” x 2 ¼”</td>
<td>8 x 70mm</td>
</tr>
<tr>
<td>2</td>
<td>Lag screws for back apron</td>
<td>5/16” x 2 ¼”</td>
<td>8 x 70mm</td>
</tr>
<tr>
<td></td>
<td>Various screws of various sizes</td>
<td>1 ¼” x 3 ¾” x 25”</td>
<td></td>
</tr>
</tbody>
</table>
**TOOL LIST**

- Square
- Knife
- Pencil
- Tape measure
- Combination gauge (or marking gauge plus mortise gauge)
- Tenon saw
- Handsaw
- Chisel set ½”, ¾” and 1” (12mm, 18mm and 25mm)
- Chisel hammer or mallet
- Smoothing plane
- Brace and bits (or screw gun and bits to suit)
- Router plane**
- Plough plane**
- Rabbet/filletster plane**
- Hammer (steel)*
- 10” steel rule*
- Jack plane*
- 10” rasp*
- 10” flat file*
- Winding sticks

*Optional

**Optional but highly recommended

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**EQUIPMENT LIST**

- A workbench or improvised support of some kind such as:
  - Two saw trestles or...
  - a portable, folding workbench or...
  - a picnic table.
- Seven or so 36” (91cm) sash clamps (for frame clamping and clamping the laminated top)
- Some shorter sash clamps, bar clamps or G-clamps
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Rail joinery

**Note:**
Haunches on the top rail tenons are optional.

**Note:**
The bottom rail is longer than the top rail to allow for protruding tenons.

Wedge

**Apron (inside face)**

**Note:**
The bottom rail is longer than the top rail to allow for protruding tenons.
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Leg frame assembly end view

Leg mortise hole layout (inside face)

Note:
This is the haunch recess which you only need if you are using haunched tenons.