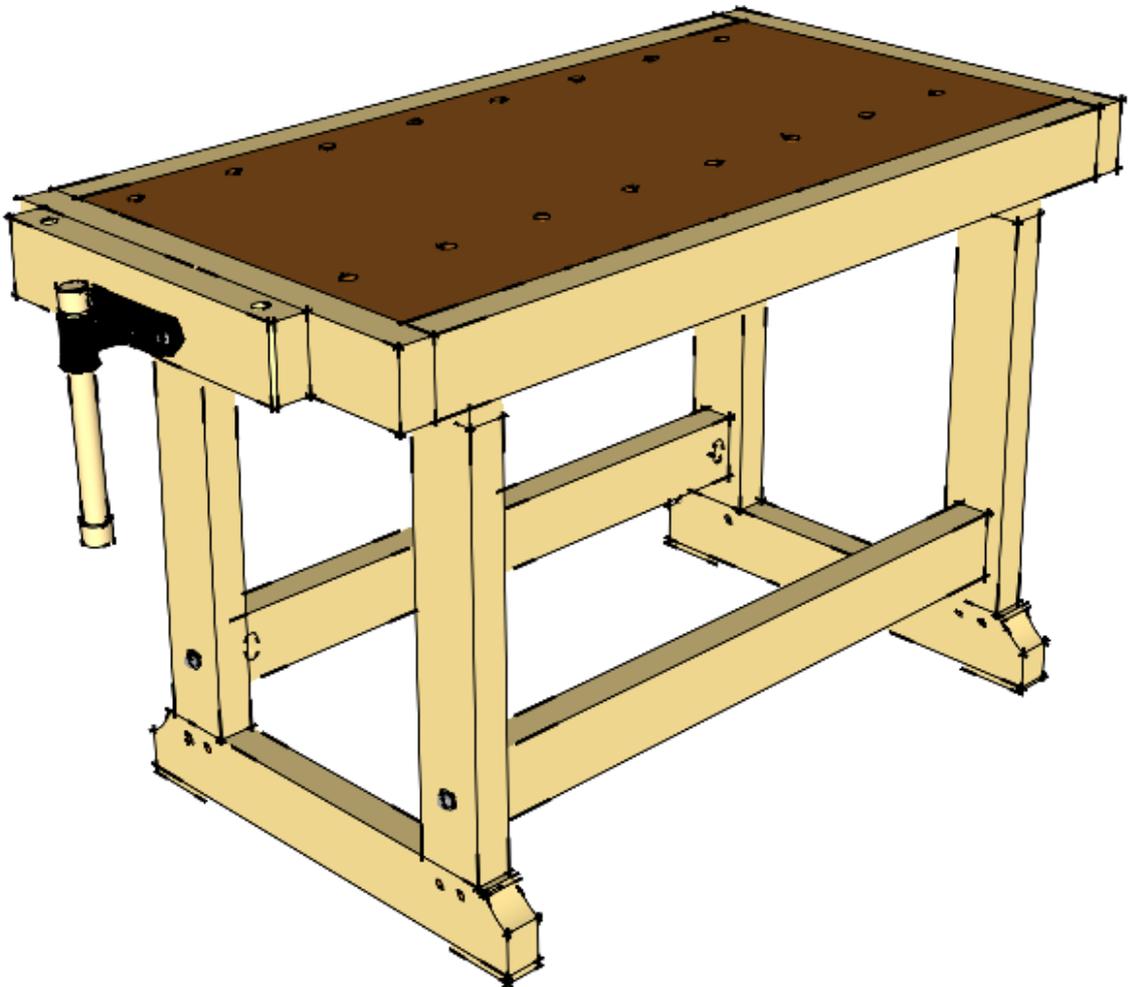


This Woodwork

2x4 Workbench Plans

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Please feel free to share these plans with your friends!

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Workbench Dimensions

Length: 1300mm (~1400mm including tail vice)

Width: 700mm

Height: ~860mm

Cutting List

| Part | Dimensions | Quantity |
|----------------------------------|---------------------|------------|
| 2x4" (~50x100mm) Lumber | Total: ~12m | |
| Leg: Upper Rails | 595mm | 2 |
| Leg: Bottom Rails | 695mm | 2 |
| Leg: Stiles | 695mm | 4 |
| Stretchers | 1025mm | 2 |
| Edging: Long | 1200mm | 2 |
| Edging: Short | 700mm | 2 |
| Vice Jaw | 500mm | 1 |
| 18mm MDF/ Plywood | | |
| Top | 1200 x 600mm | 2-3 |
| Pine (optional thickness) | | |
| Foot Pads | 50 x 100mm | 4 |

Note:

The size of commercial 2x4" (50x100mm) lumber can vary and will often be slightly undersize. In this case, you may need to adjust some of the dimensions quoted in the following plans to suit what you can find.

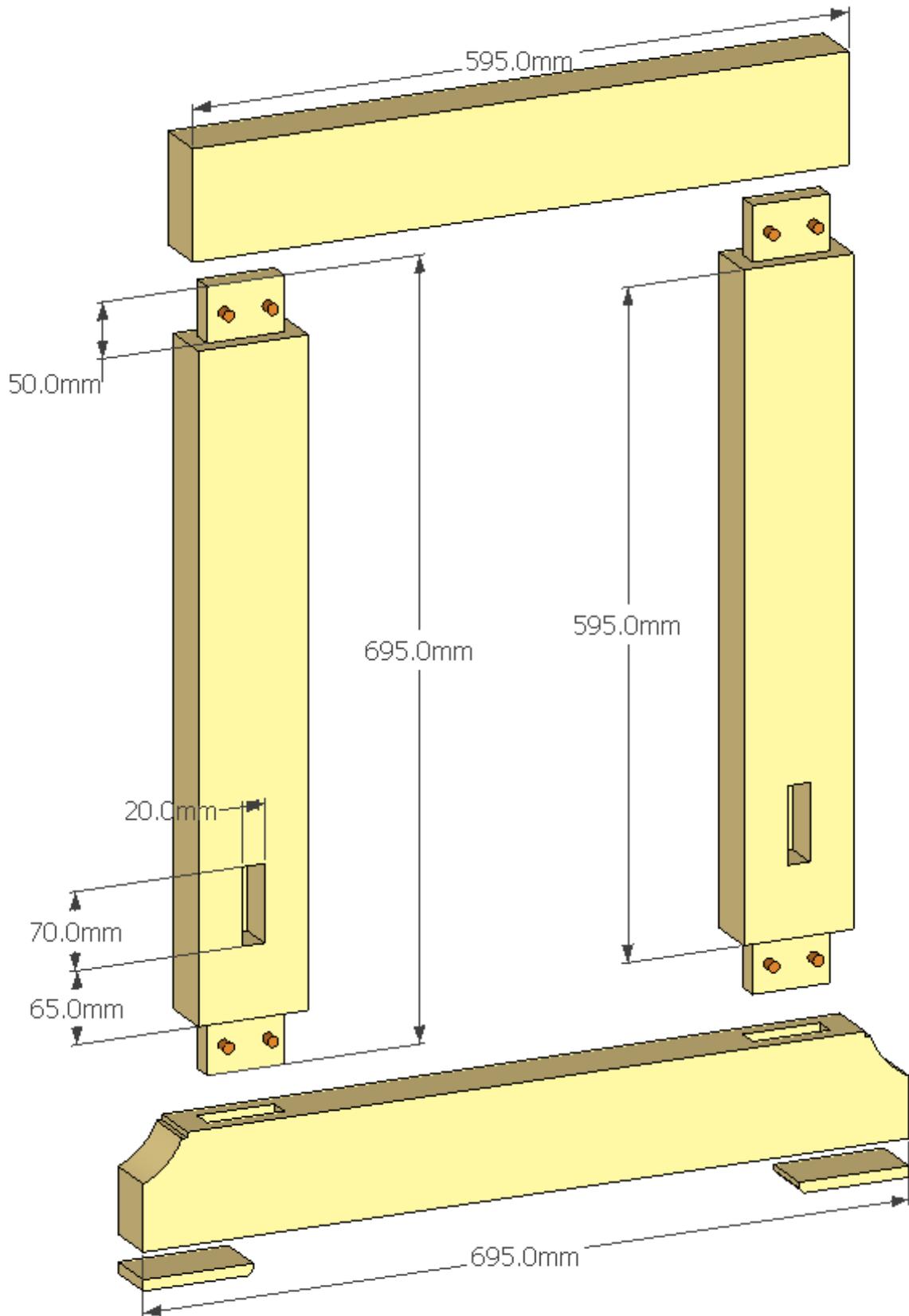
I was able to cut all 2x4" parts from just over 4x 3 metre (10ft) lengths. (Will fit in 6x 8ft lengths)

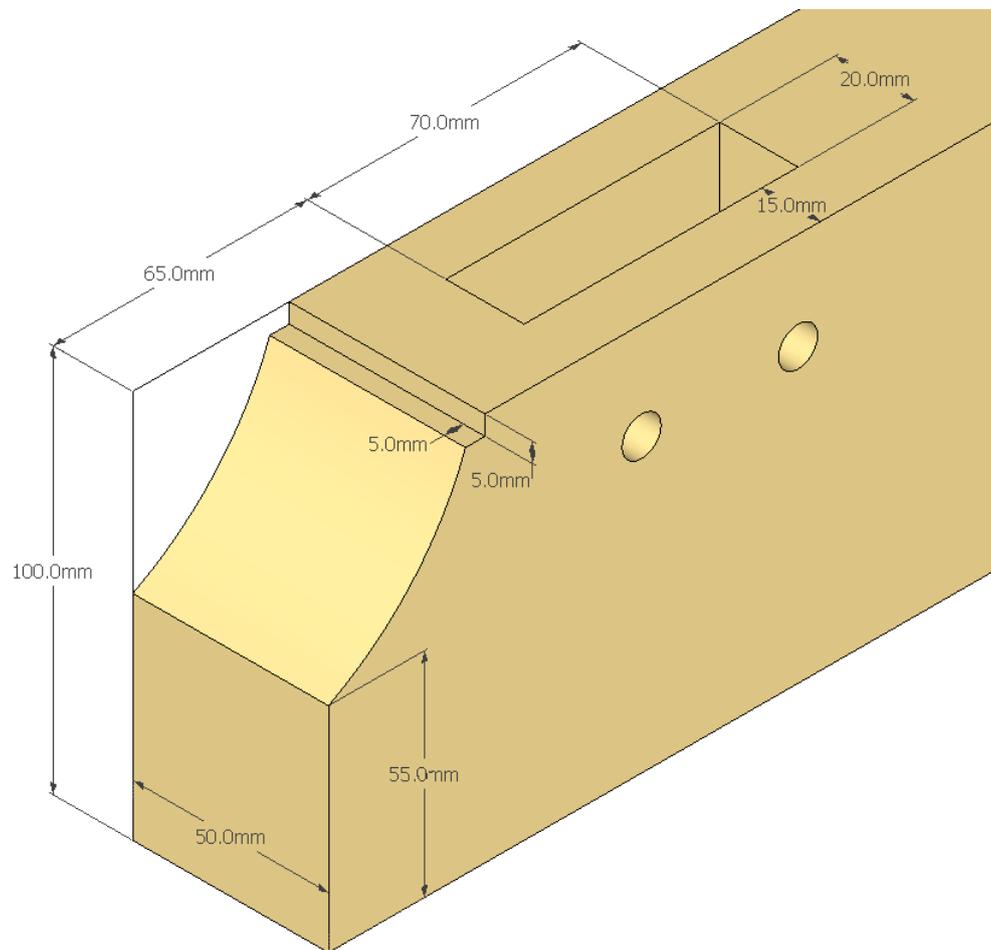
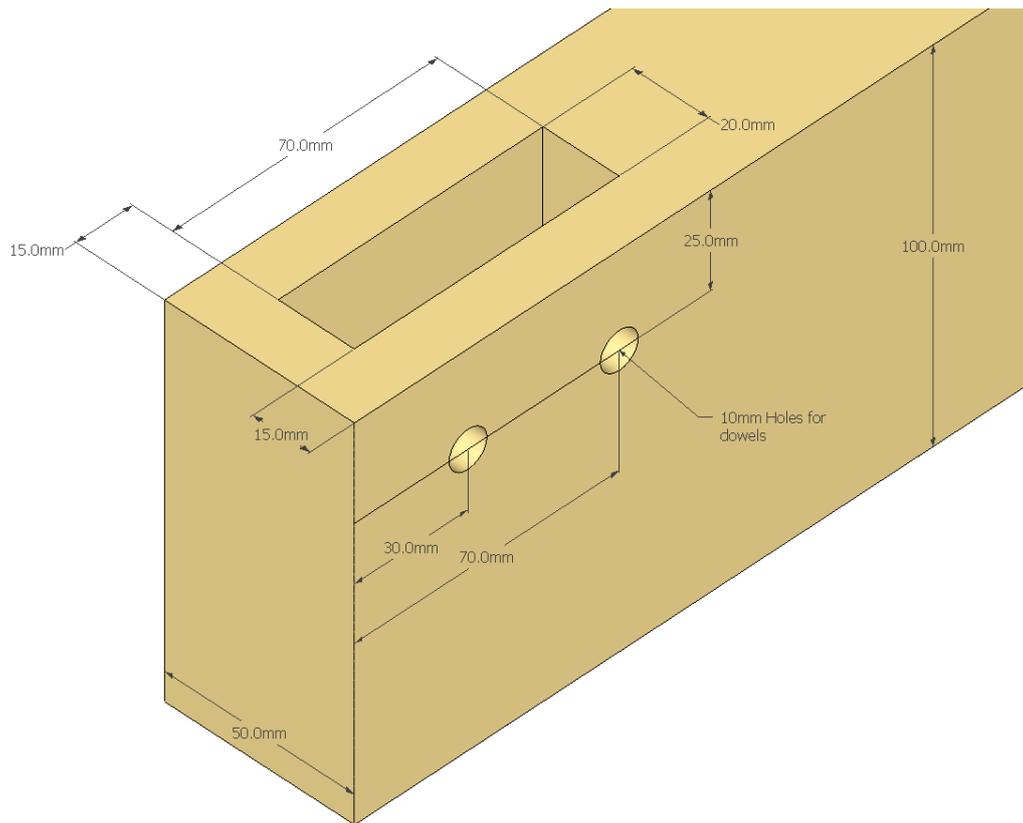
Hardware List

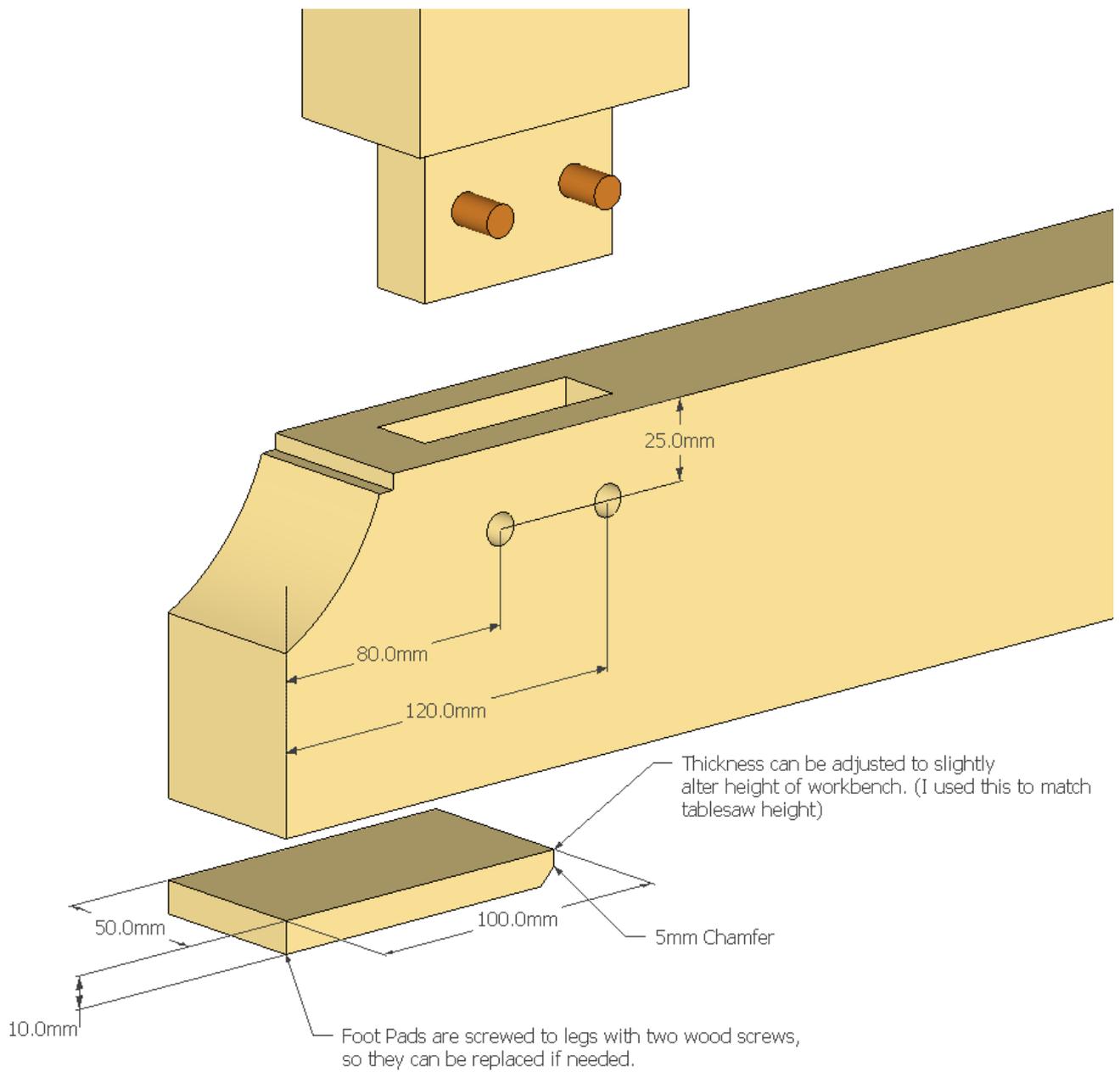
| Part | Measurements | Quantity | Description |
|------------------------------|----------------------|------------|----------------------------------|
| Dowels | 10 x 45mm | 16 | Pin mortice and tenon joints. |
| Bolts | M8 x 80-100mm | 4 | Fix together base of workbench. |
| Nuts | M8 | 4 | Fix together base of workbench. |
| Penny Washers | M8 x 25mm | 8 | Fix together base of workbench. |
| Coach/ Carriage Bolts | M10 x ~100mm | 4 | Join base to top of workbench. |
| Penny Washers | M10 | 4 | Join base to top of workbench. |
| Wood Screws | 30mm | ~30 | Laminate workbench top together. |
| | 50mm | ~20 | Laminate workbench top together. |
| | 30mm | 8 | Fix pads to bottom of legs. |
| | 80mm | 16 | Fix edging to top of workbench |
| Optional: | | | |
| Vice | - | 1-2 | |
| Bench Dogs | 19mm (3/4") | - | |

If you have not watched the build video for this workbench I urge you to do so, it will really help you to understand how it's built: <http://thiswoodwork.com/build-a-cheap-woodworking-workbench>

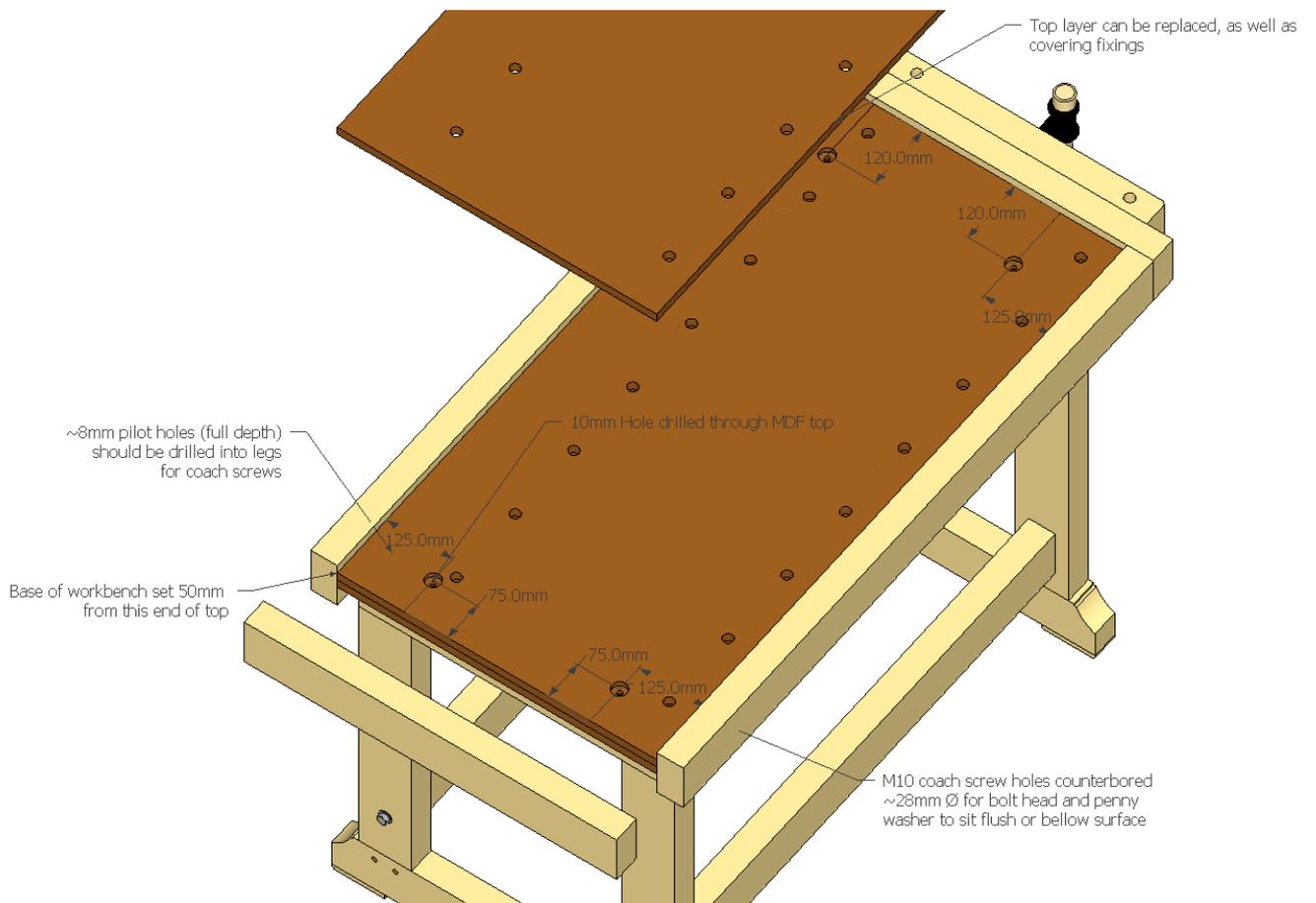
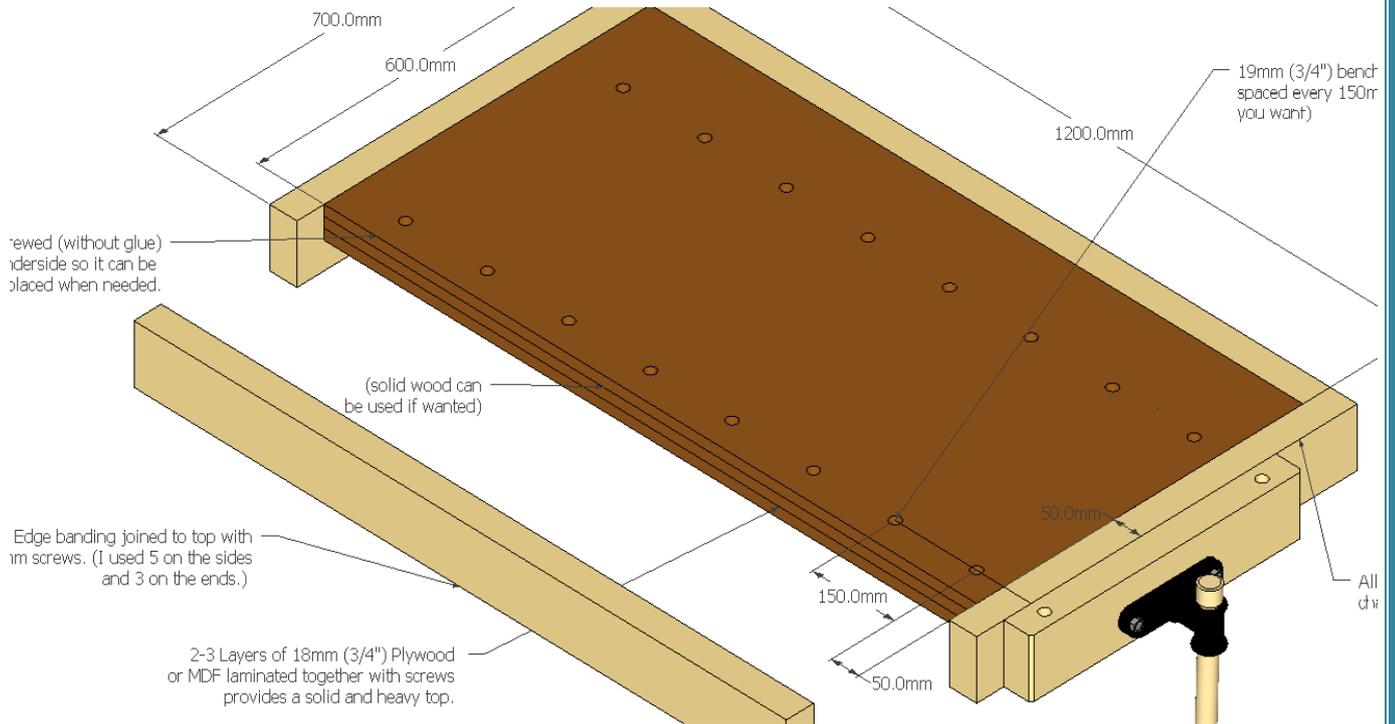
Legs



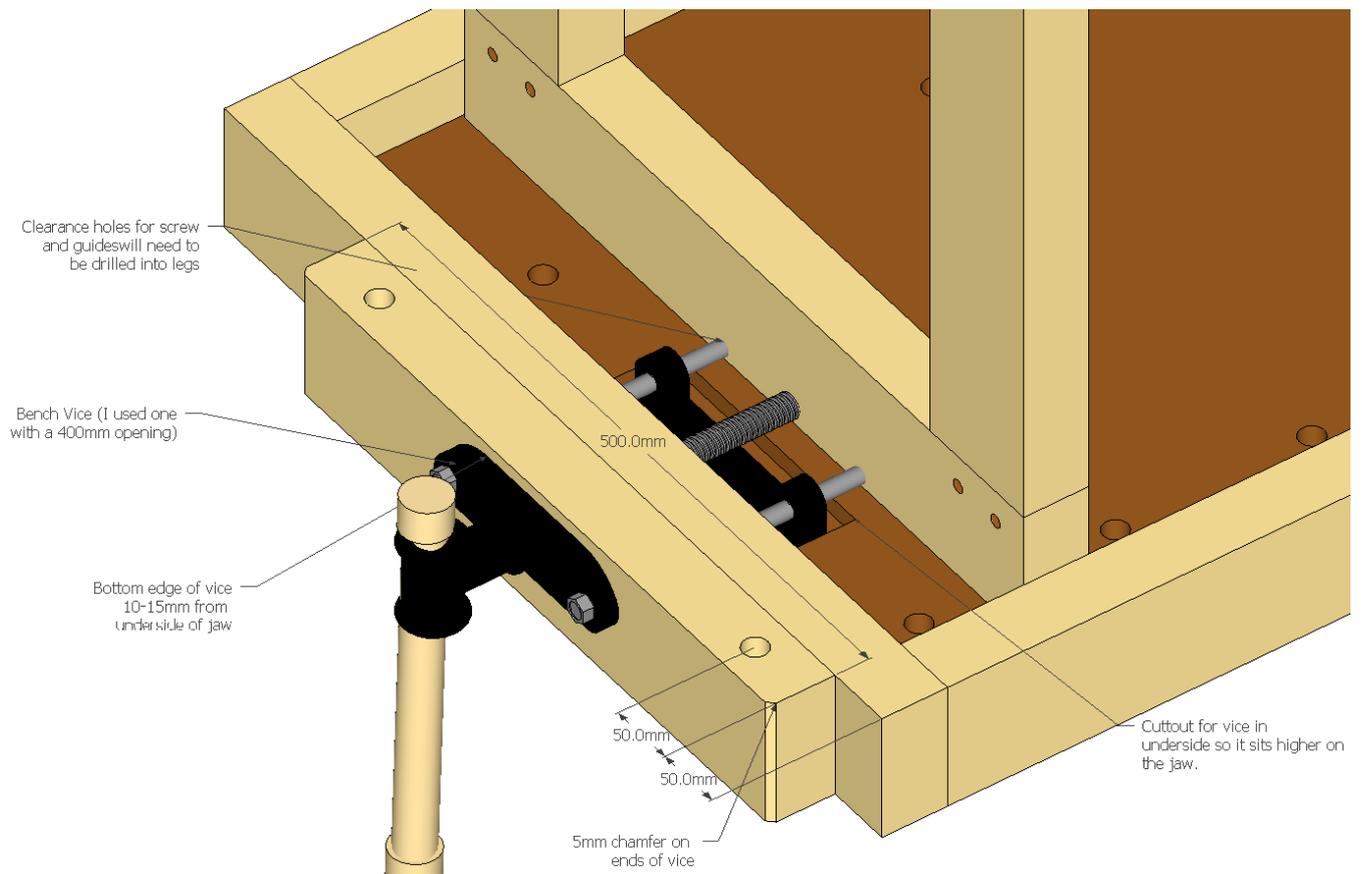




Workbench Top



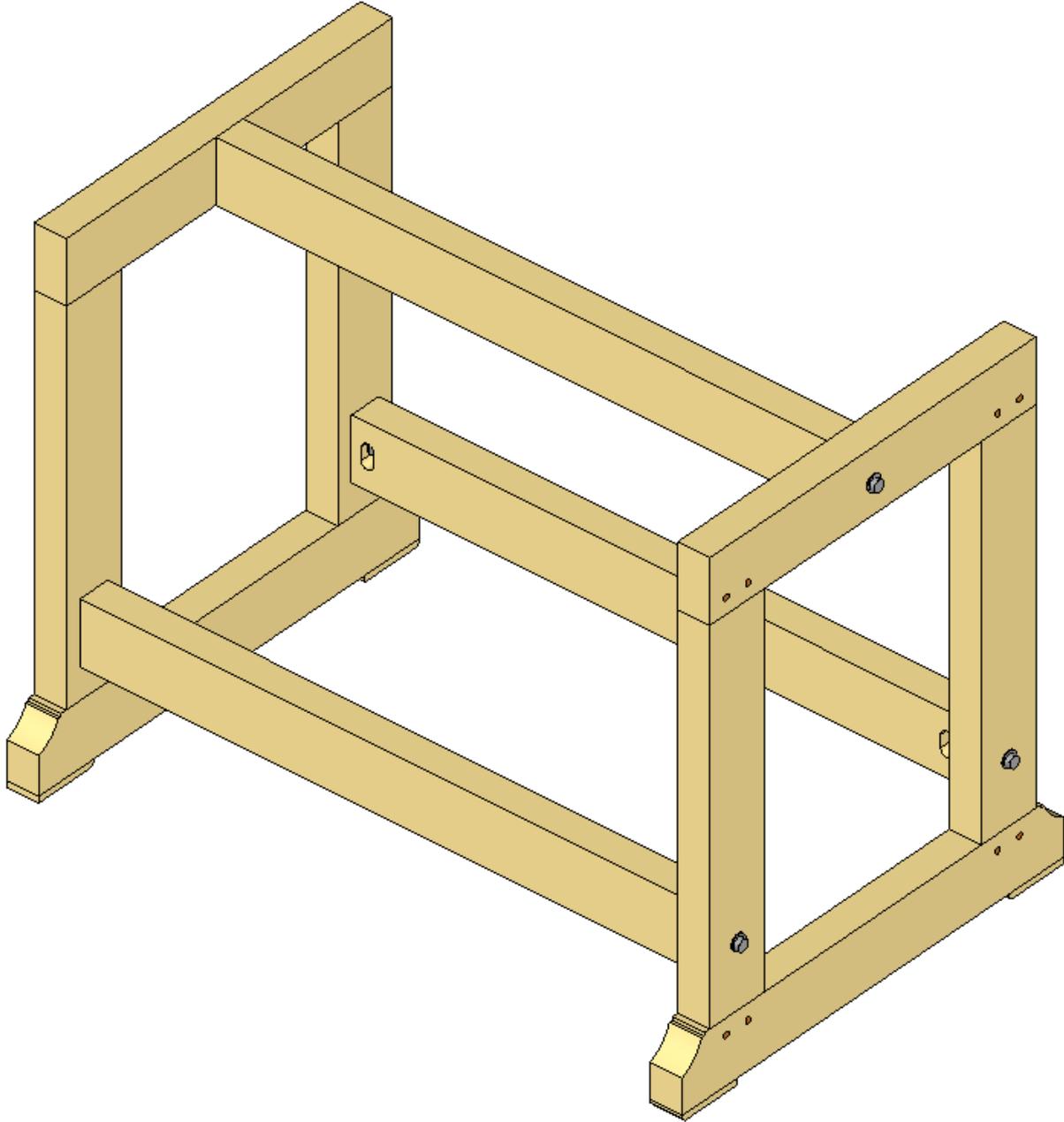
Vice



Tip: The easiest way to drill the bench dog holes all the way through the vice jaw, is to drill half way from one side, flip the piece and drill through the rest from the other side.

Possible Addition

Although I did not include this on my own workbench it might be worth considering attaching another stretcher (or two) at the top of the base of the workbench. Something like this would provide further support to the top of the workbench, as well as increasing the rigidity of the base.



Above I have suggested a single top stretcher located in the centre of the frame. This would avoid cutting into the mortice and tenons joints of the legs, as well as avoid contacting the coach/ carriage bolts which fix the base to the top of the workbench. Whether this central location would work, I am not sure. Depending on the location of the tail vice, the screw or guides may get in the way.

Although every effort was made to include all the details necessary to build this workbench if you feel information needs to be added/ amended I would love to hear from you:

<http://thiswoodwork.com/contact/>

Or, you can explore the 3D Sketchup model and find the information you need yourself:

<http://thiswoodwork.com/build-a-cheap-woodworking-workbench>

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