

# Basic Work bench





## Basic flatpack workbench

### Materials

3 sheets of 18mm plywood ( you may need a couple of pieces of plywood scrap for some of the 54mm bench top ribs)

40mm screws

glue

### Tools required

circular saw

jig saw

straight edge

drill

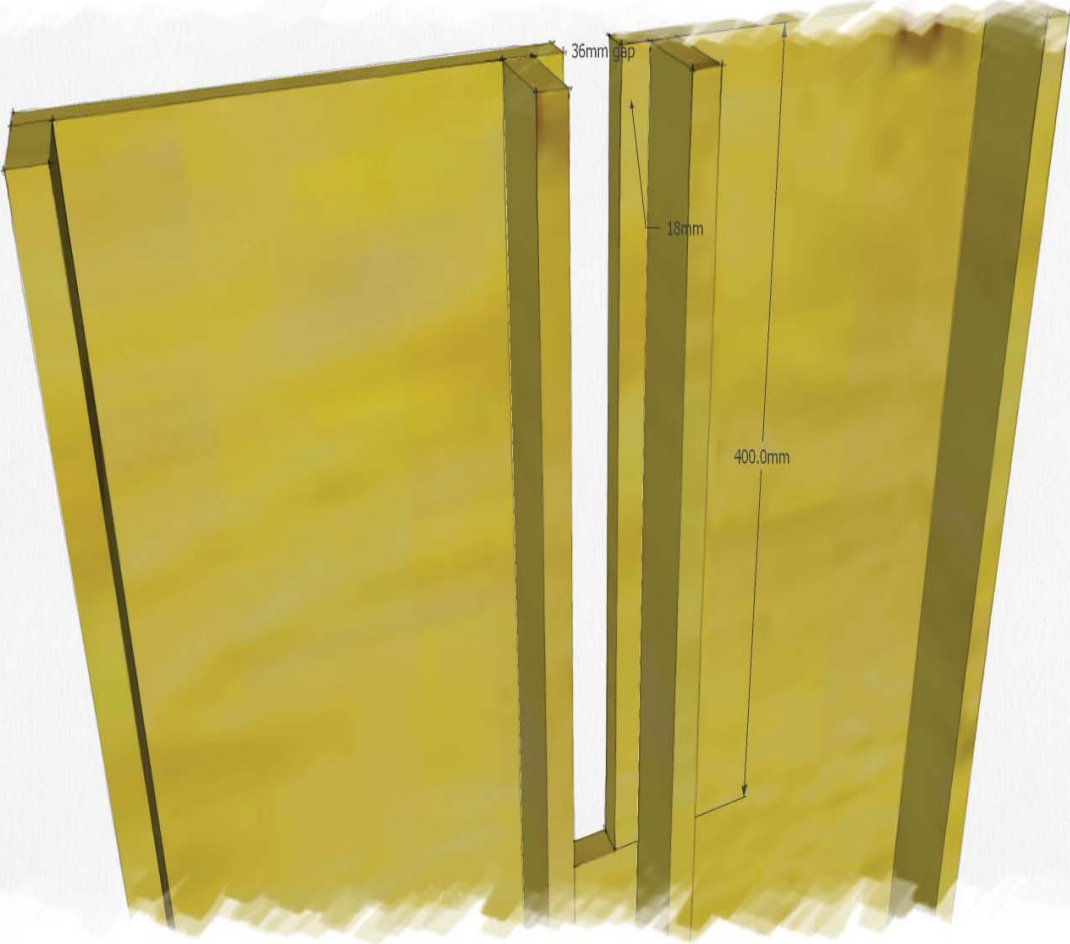
sander

basic hand tools, hand saw, chisels

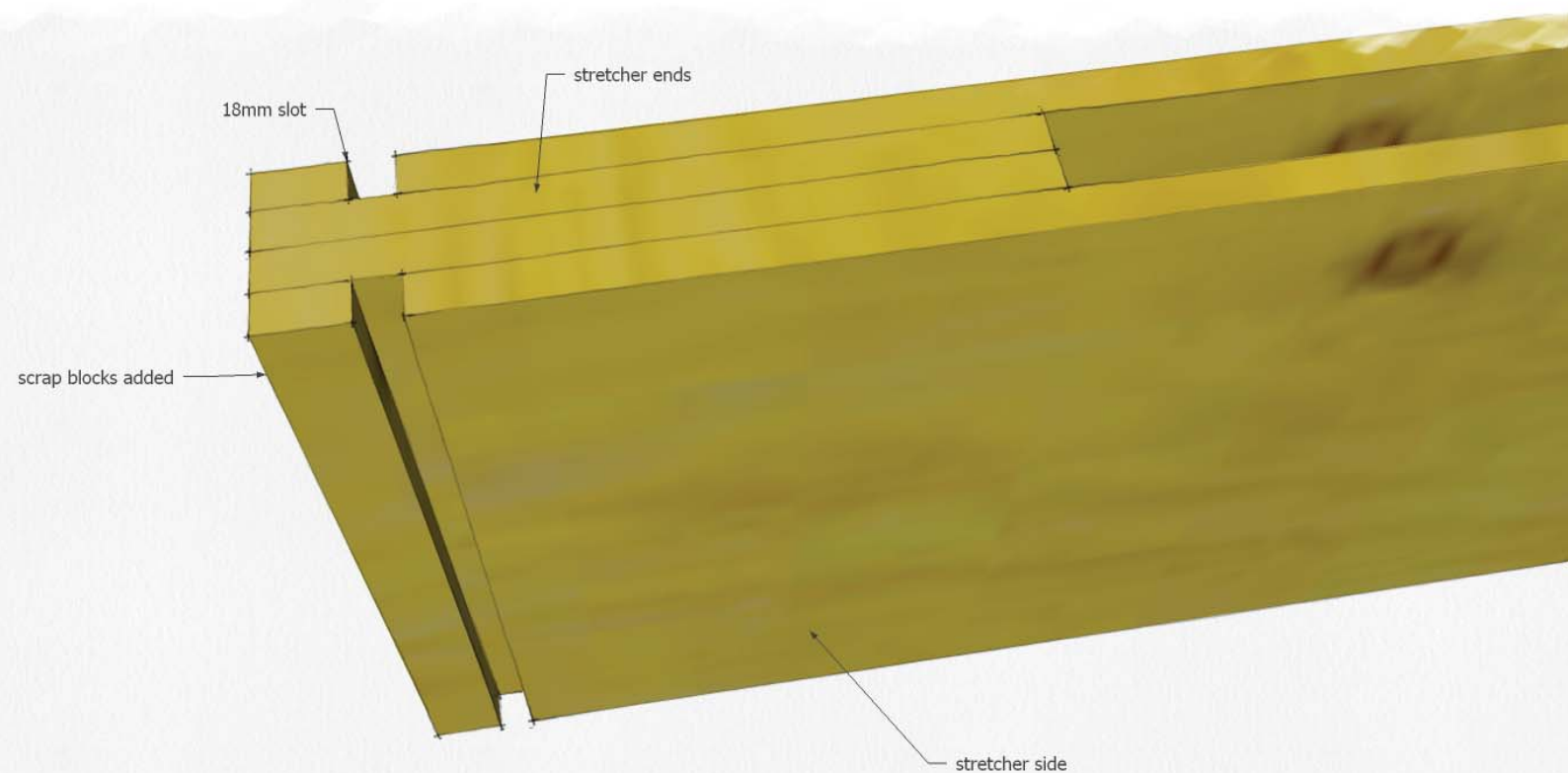
### process

1. break down the plywood sheets as per the cutting list, saving the off cuts not specified to use throughout the project as small packers etc. (you may need a couple of extra plywood scraps for some of the 54mm ribs) If you don't want the bench top to split into 2 pieces simply leave them as 2 longer pieces of plywood.
2. take 2 of the leg end panels and and mark out the slot to take the “I beam” stretcher in the centre. It needs to be 2 layers of plywood wide (36mm) and 400mm long. Then cut these out.
3. assemble the legs
4. take the stretcher panels, sandwich the small end stretcher panels between the long ones. Leaving them sticking out 53mm past the long side panels. Glue and screw these into place. Then take a piece of the plywood using it as a spacer butt it up to the long stretcher panel. Now you can cut, glue and screw on a small piece of plywood creating the “I beam”end. Now remove the packer before it is accidentally glued into place by glue squeeze out.
5. Assemble the stretcher into the legs.
6. Lay out 2 pieces of ply that will be the bottom of the bench top. Turn the leg assembly upside down and place centrally on them. Trace around the legs.
7. cut out leg holes from these panels. Trying to keep a tight fit. It might pay to label them as your legs might not be exactly the same.
8. next assemble the insides of the bench tops as per the renderings/video . I choose not to glue down the work bench top pieces so as to replace them in the future.
9. Sand and finish the bench to your desired finish. Use it!

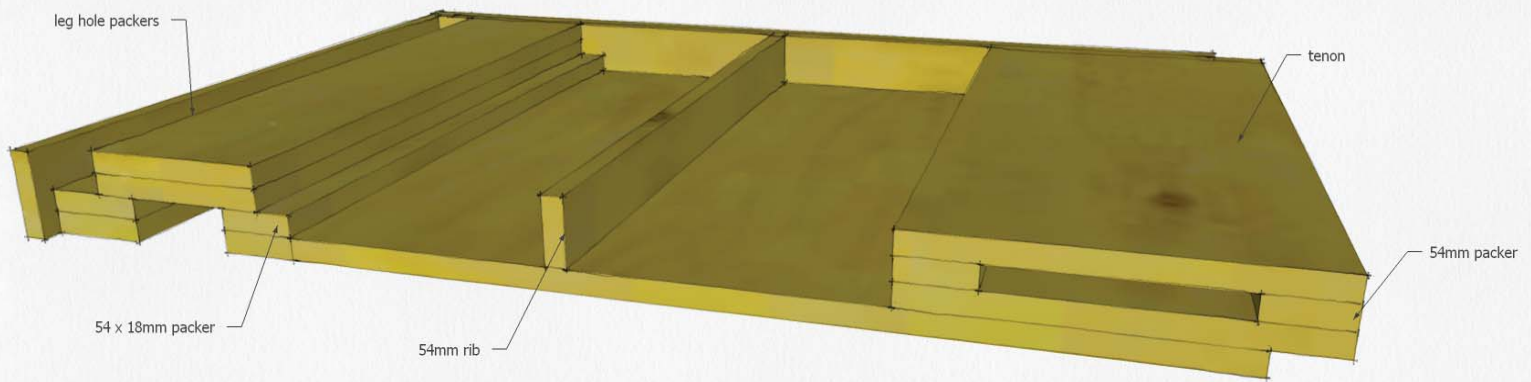
# Section of leg detail



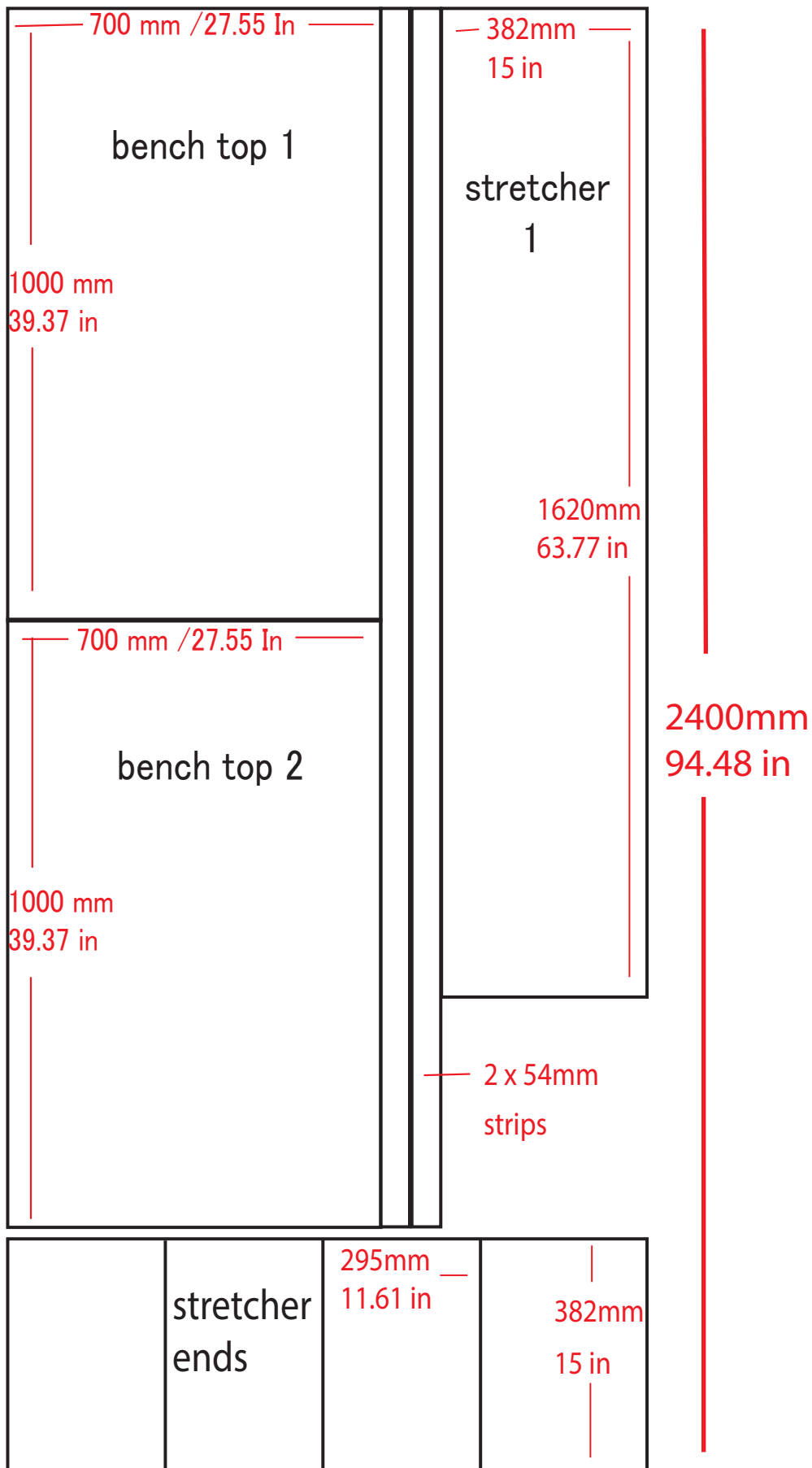
# stretcher end detail



# Bench top section



1200mm / 47.24 in



1200mm / 47.24 in

