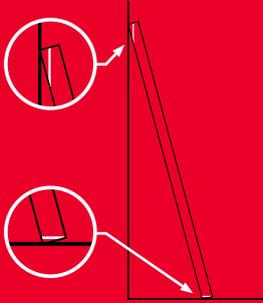


HOW TO MAKE A DIY

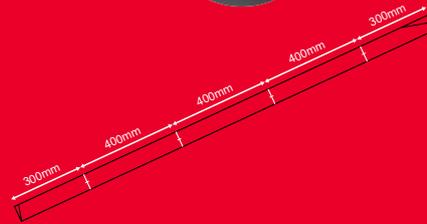
TOWEL RACK

You Will Need:

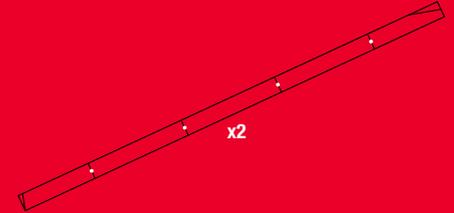
- Drill Driver, Circular Saw, Angle Grinder
- 8mm Drill Bit
- 25mm Spade Drill Bit
- Angle Grinder Cutting Disc
- Angle Grinder Cutting Guard
- 2pcs: 65 x 32 x 1800mm Timber
- 2pcs: 1" x 1500mm Copper Tubes
- 4pcs: 25mm 90° Copper Elbows
- 1pc: 8mm x 1200mm Threaded Rod
- 4pcs: 8mm Dome Nuts
- Pencil, Tape Measure & Clamp
- Glue suitable for metals
- Safety Gear



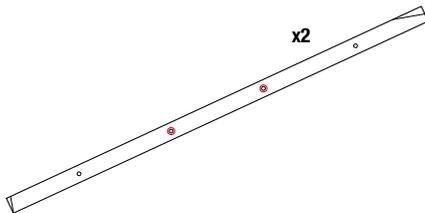
1. Place one of your timber pieces against the wall at your desired angle, then mark lines parallel to the wall and floor at either end.
Note: We used an angle of 15°.



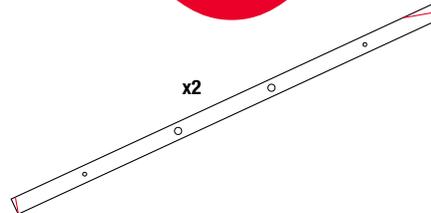
2. Measure & mark lines at the distances shown above (300mm from either end and then 400mm in from those lines).



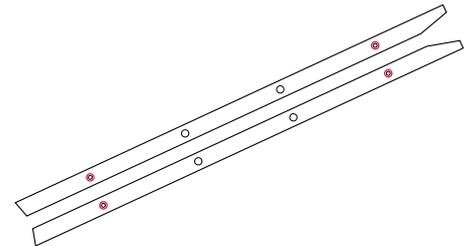
3. Align both of your 2 pieces of timber on top of each other and clamp together. Drill 8mm holes all the way through both pieces at the center point of the 4 inner lines.



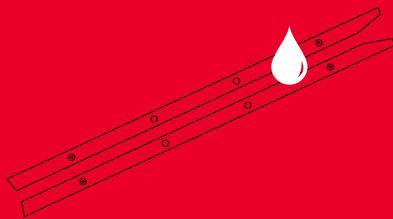
4. Using the 25mm spade bit, drill larger holes at the 2 inner locations all the way through both pieces.



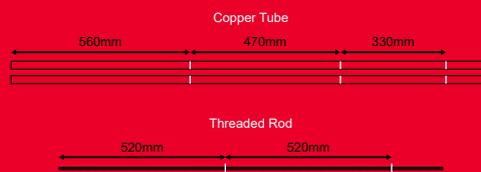
5. Using the circular saw cut along the angled marked lines at either end. Cut through both pieces of timber.



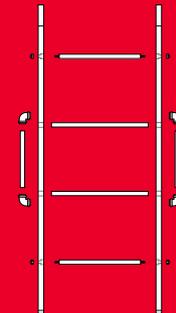
6. Separate the 2 pieces and turn one over so the angles are opposing each other. Using the 25mm spade bit, drill the 2 outer holes half way through the thickness (depth of 16mm).



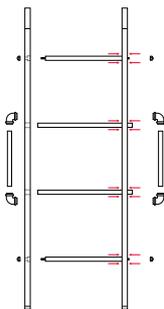
7. If you wish to stain, coat or paint your timber, this is the best time to do so.



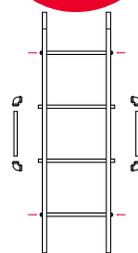
8. Using the angle grinder fitted with a cutting disc, cut the copper tubes and threaded rod at the measurements shown above.



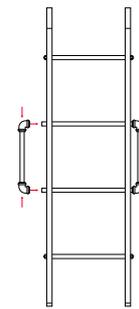
9. Lay all components on the floor as shown above.
Note: Threaded rods should be inside the upper and lower copper tubes, and the timber clearance holes should be facing inward.



10. Start assembling by pushing the copper tubes into the holes on one timber piece. You may need a rubber hammer to push these through.



11. Insert the copper tubes and threaded rods into the second timber piece. Then secure in place by screwing the four dome nuts onto the ends of the threaded rod.



12. Do a trial fit of the 90° elbows and remaining copper tubes to ensure everything fits together. Then repeat using some glue on the ends of the tubes prior to assembling.