

Welly Boot Stand

Tools Required To Make this Design:

Punching: Practical Punch/Shear (or Master Punch/Shear or XL5+ Power Bender fitted with 3mm Punch Block & Pins)
Cutting: Practical Punch/Shear (or Master Punch/Shear or XL5+ Power Bender)
Riveting: Practical RBR
Bending: Practical RBR
Twister: Practical Twister, Master Twister, XL Twister
Scrolling: Mk2/3, Mk2/2H

We recommend that before starting you wipe all steel bars down so that they are free of grease, scale or dirt. After cutting any component, we also recommend that you trim the corners for a neater finish, if preferred, unless these instructions tell you otherwise. Use a fine tip marker pen, pencil or scribe for marking hole, bend, scroll, roll points on the bars.

Component 1

Feet (x4)
20mm x 3mm x 600mm

Cut 4 bars each 600mm long out of 20mm x 3mm material. Using the design sheet overleaf mark out all bend, hole, roll and scroll positions as shown on component 1.

Now punch holes in the correct hole positions and then form scroll S1 until the mark on the bar just touches the scroll former's segment. Flip the bar over and form S2 to create an S shaped scroll . Next use the RBR to bend a 90 degrees angle at B1 using template 1 overleaf to check the angle. Finally using the RBR again roll a curve between roll positions R1 and R2 using template 2 to match the curvature.

Repeat on the other 3 bars to form the four feet.

Component 2

Cross Rails (x2)
20mm x 15mm x 600mm

Cut 2 bars each 600mm long out of 20mm x 3mm material. Using the design sheet overleaf mark out all hole positions H3 to H8 as shown on component 2 and then punch the holes.

Component 3

Uprights (x4)
20mm x 3mm x 700 mm

Cut 4 bars each 700mm long out of 20mm x 3mm material. Using the design sheet overleaf for component 3 mark hole positions H9,H10, and scroll position S3 plus twist points T1 and T2. Start by punching holes H9 & H10. Then scroll up to position S1, stopping when the mark first touches the scroll formers segment.

Finally place the bar in the twisting tool so that a twist will be created between points T1 and T2. Then start twisting ensuring you count 2 full 360 degree rotations of the handles to make sure all 4 components are identical.

Assembly

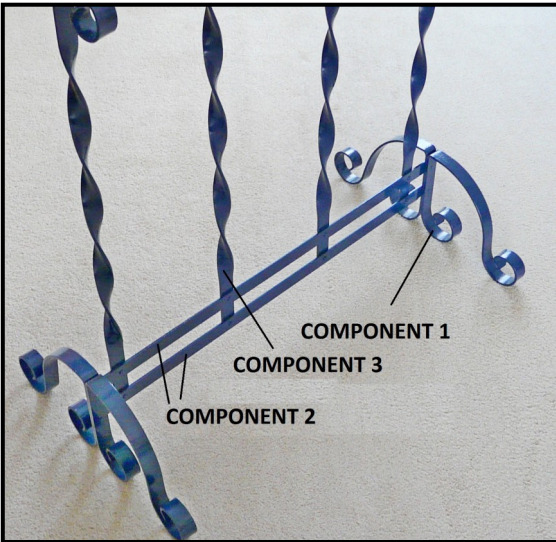
Start by taking one of the Cross Rails (Component 2) and rivet each hole H9 on each of the four uprights (Component 3) to Holes H4, H5, H6 and H7. To get these in the RBR tool for riveting you will have to rivet with the upright rotated through 90 degrees and then pull them back to their upright position by hand after riveting. (Make sure all scrolls are facing the same way also).

Now take the other (lower) Cross Rail (Component 2) and using nuts and bolts connect holes H4, H5, H6 & H7 to the bottom H10 holes in the four uprights.

Finally, assemble the two pairs of feet (Component 1) back to back (as show below) and join the holes H1 to the ends of the cross rails (H3 & H8) using nuts & bolts. Repeat with the lower rail with (H3 & H8) connecting with holes H2 in the pairs of feet.

Check to ensure all the uprights are parallel and the frame is square (you can make adjustments by slight re-punching of holes) before substituting each nut & bolt with a rivet and riveting the joint on the RBR

The finished item can be painted in a variety of finishes either by aerosol or by brush application.



The welly boot stand is a great way of keeping your boots tidy and aired. Don't settle for mud on the floor when our stand can hold two pairs of wellies and still keep your floor clean and tidy. With this clever design the welly boot holder can also be used as a scraper to clean your boots before you hang them. With or without the twist, this classic wrought iron design would look great in any setting and with its dual practicality it's a must for any welly wearer!



metalcraft™

Design Pack

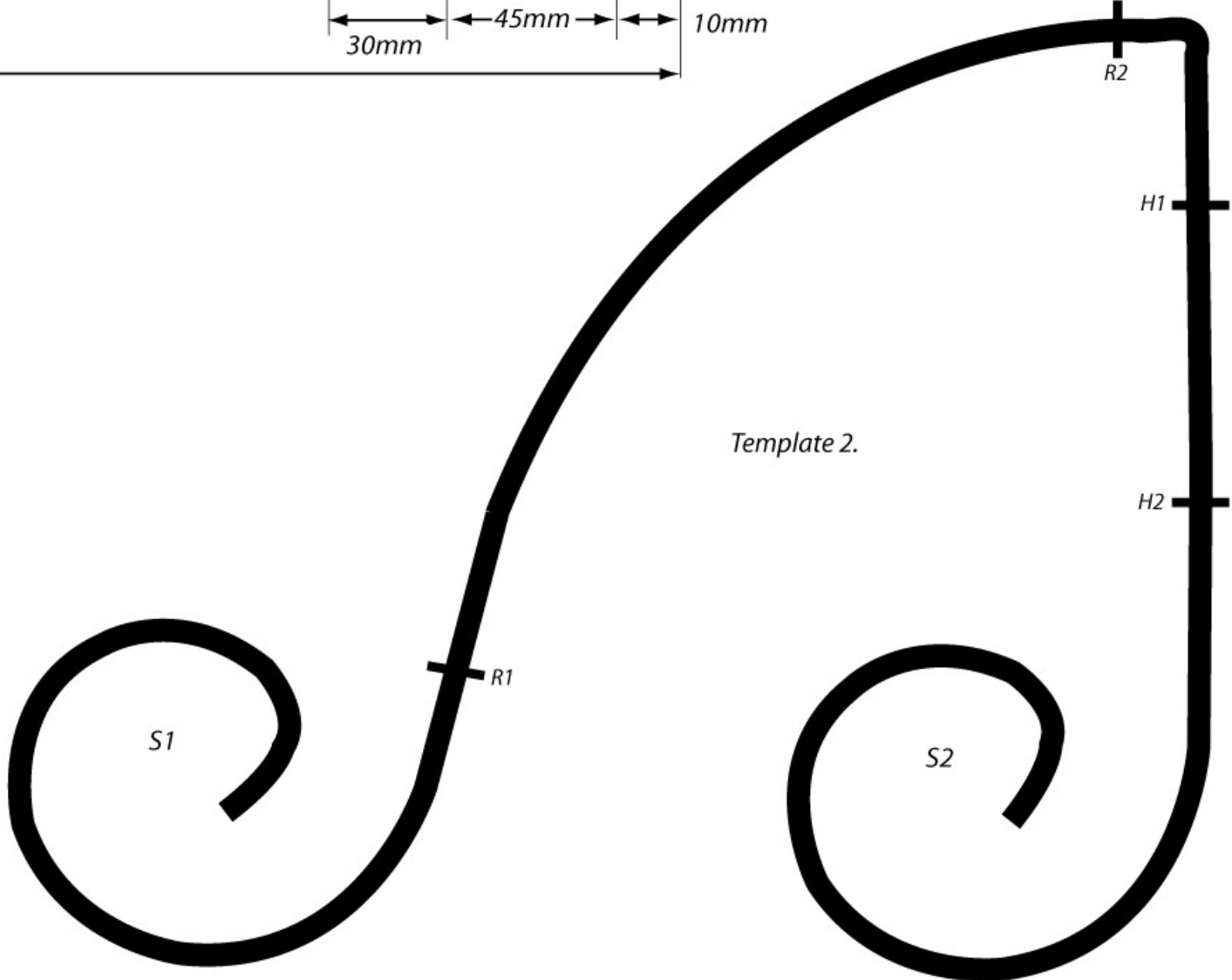
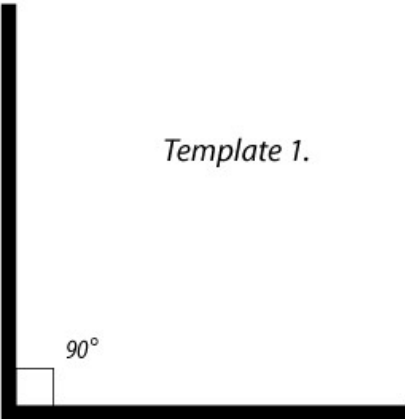
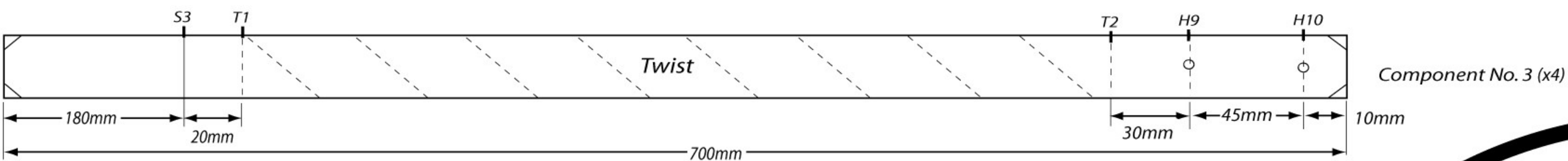
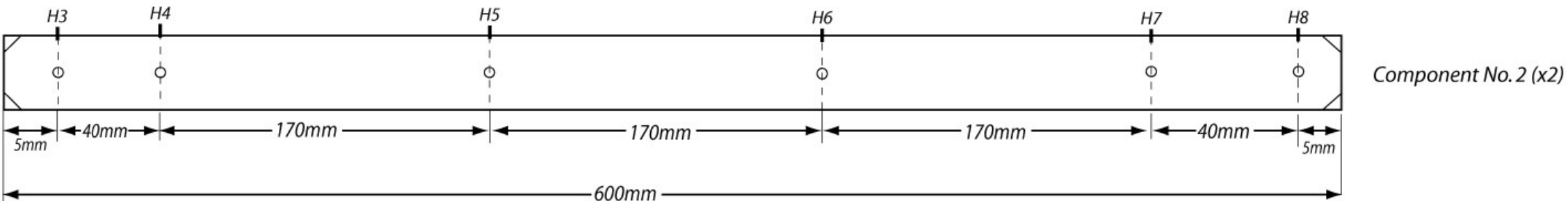
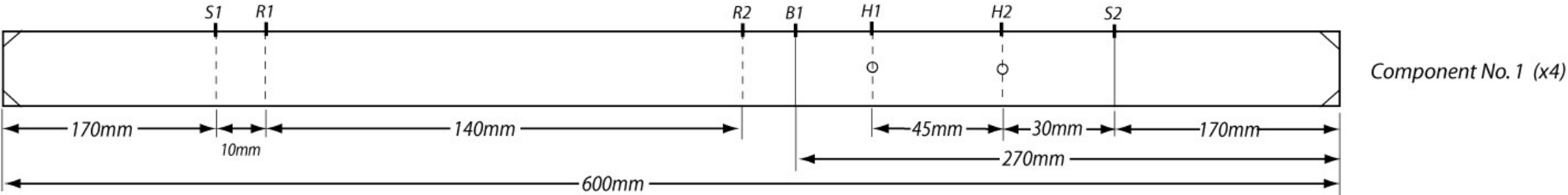
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Difficulty Rating:

Easy	
Straightforward	✓
More complex	

Design Pack: Welly Boot Stand - Design Sheet

Not to Scale:



List of Materials

- 10 Lengths 20mm x 3mm x 3ft [Re-Order Ref: MC039]
- 4 x 12mm x 3mm Rivets [Re-Order Ref: MC053L]
- 4 x 10mm x 3mm Rivets [Re-Order Ref: MC052L]
- 8x 12mm x 3mm Nuts & Bolts [Re-Order Ref: MC061L]