

LOG HOLDER

Tools Required to Make this Design:

Scrolling: Mk 2/2H (or Mk 2/3) Scroll Formers
 Punching: Practical Punch/Shear (or Master Punch/Shear or XL5+ Power Bender fitted with 3mm punch block & pin)
 Riveting: Practical RBR (or Master RBR or XL5+ Power Bender)
 Bending: Practical RBR (or Master RBR or XL5+ Power Bender)
 Rolling: Practical RBR (or Master RBR or XL5+ Power Bender)
 Cutting: Practical Punch/Shear (or Master Punch/Shear or XL5+ Power Bender)

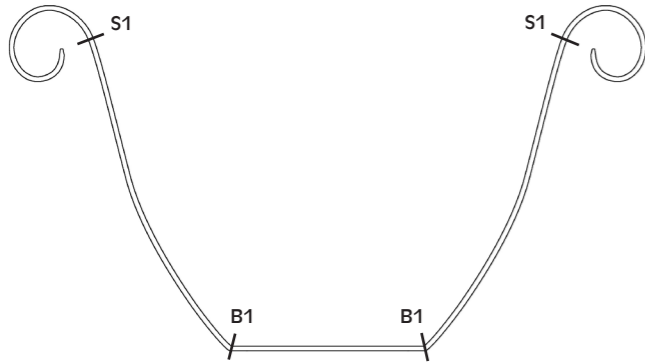
We recommend you trim the corners of each component after cutting to their required lengths.

1 Main Scrolls 914mm (x 5) COMPONENT 1

Take the first of the five 914mm lengths of 15mm x 3mm steel and measure in 165mm and 387mm from either end and mark as 'S1' and 'B1' respectively. Then mark holes 'H1' 10mm from 'B1' as shown on the Design Sheet and punch holes here. Next, using the Mk2/2H Scroll Former, scroll to 'S1' at both ends of the steel to create a 'C' scroll.



Using Template 1 as a guide, bend at both 'B1' marks to approx 120°.

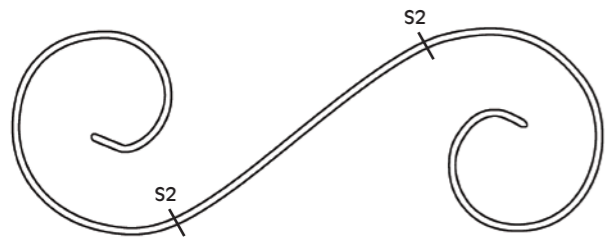


Place the Main Scroll in the Practical R/B/R tool and roll from 'S1' to 'B1' at both ends - using Template 1 to help judge the curve.

Repeat all of the above steps on the other four lengths so that all 5 are identical when you lay them on top of each other.

2 Feet 457mm (x 2) COMPONENT 2

Take another 914mm length of 15mm x 3mm, mark in



the centre (457mm) and cut using the Practical Punch/Shear tool. Measure in 195mm from either end and mark as 'S2' and, again using the Mk2/2H Scroll Former, scroll up to these points but, this time, creating an 'S' scroll. Do this with both lengths.

3 Bottom Support Bars 330mm (x 2) COMPONENT 3

Take another 914mm length of 15mm x 3mm and cut two lengths of 330mm. Measure in and mark 'H2' 5mm from one end then measure and mark 'H2' at 80mm intervals. This should leave a 5mm gap at the other end. Punch at the centre of all five marks and repeat on the second length.

4 Weave Cross Bars 330mm (x 4) COMPONENT 4

Take two 914mm lengths of 10mm x 1.6mm and cut four lengths of 330mm. Measure in and mark 5mm from either end 'H3' and punch at each mark. Repeat to make all four of these components.

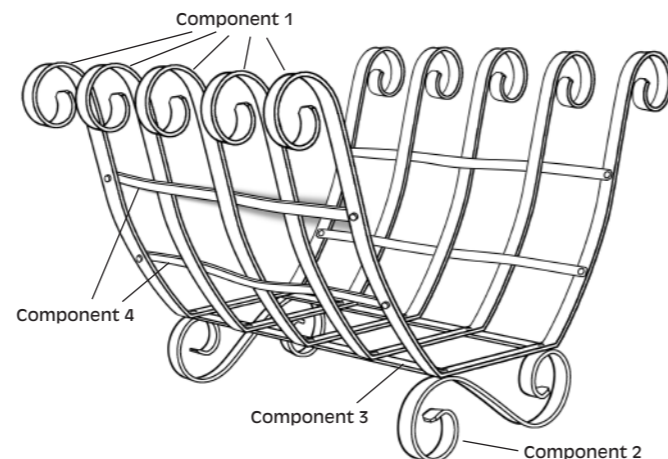
5 Assembly

Start by taking two of the Main Scrolls (component 1) and measure and mark 'H4' firstly at 70mm from the bends 'B1' and then a further 80mm towards the scrolls. Use Template 1 as a guide.

Using all five Main Scrolls (component 1), nut and bolt together with the two Bottom Support Bars (component 3) making sure the two with the extra holes 'H4' are the two outer ones.

Next, attach the Weave Cross Bars (component 4) to the outer Main Scrolls (component 1) at points 'H4', making sure they are on the inside at these points, then weave in and out of the other four Main Scrolls and attach at the other ends 'H4'.

Taking the two Feet (component 2), offer up to the two outer Main Scrolls (alternating the scrolls at each side) and mark on both where they touch and line up with holes 'H1' on the Main Scrolls and holes 'H2' at the end of the Bottom Support Bars (you can slightly open or close the scrolls if needed). Punch these four holes on either side. Once you are happy that all components fit together correctly, you can remove all the nuts and bolts on the two outer Main Scrolls and replace with 12mm x 3mm rivets using the R/B/R tool. The nuts and bolts at the bottom of the three central Main Scrolls can be left in place. Finally, rivet the Weave Cross Bars in place using the 6mm x 3mm rivets.



metalcraft™

Design Pack LOG HOLDER

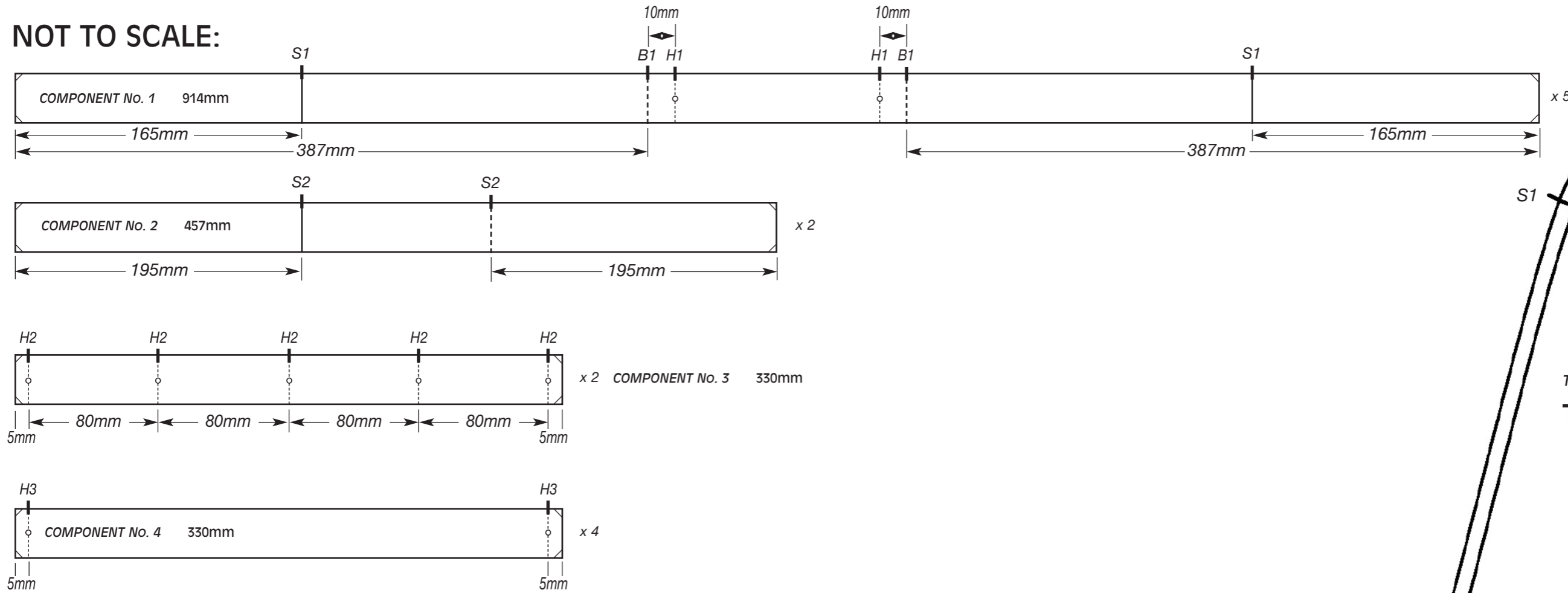
DIFFICULTY RATING:	
EASY	<input type="checkbox"/>
STRAIGHTFORWARD	<input checked="" type="checkbox"/>
MORE COMPLEX	<input type="checkbox"/>



The finished item can now be painted in a wide variety of finishes (smooth, satin, hammer and metallic) either by aerosol or by brush application. Powder coating and plastic dip finishes can also be applied but these type of finishes are more for commercial/industrial scale finishing. However, even with aerosol or paint finish you can make your finished item look professional. In this case we used paints from the Plast-Kote and Hammerite ranges - available from most DIY and Painting/Decorating outlets. For best results, always follow instructions on the tin and make sure the metal is free of all scale, dirt, grease or rust.

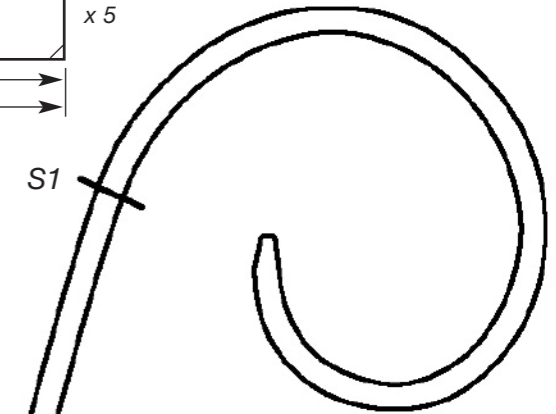
Design Pack: LOG HOLDER - DESIGN SHEET

NOT TO SCALE:



List of Materials Required:

- 7 x 914mm (3ft) Lengths of 15mm x 3mm Steel Strip [Re-Order Ref: MC0371]
- 2 x 914mm (3ft) Lengths of 10mm x 1.6mm Steel Strip [Re-Order Ref: MC0311]
- 4 x 12mm x 3mm Rivets [Re-Order Ref: MC053L]
- 8 x 6mm x 3mm Rivets [Re-Order Ref: MC050L]
- 6 x 10mm x 3mm Nuts & Bolts [Re-Order Ref: MC060L]
- 4 x 12mm x 3mm Nuts & Bolts [Re-Order Ref: MC061L] Note, these are only to hold temporary joins before riveting



Punch at these points on two of the Main Scrolls only

H4

H4

S1

x 5

x 2

x 2 COMPONENT No. 3 330mm

x 4