

PATIO TABLE CENTREPIECE

Tools Required to Make this Design:

Scrolling: Mk 1/2
 Punching: Practical Punch/Shear (or Master Punch/Shear or XL5+ Power Bender fitted with 3mm punch block & pin - or use 5mm holes but 5mm rivets will be required*)
 Riveting: Practical RBR
 Bending: Practical RBR
 Rolling: Practical RBR (or Master RBR or XL5+ Power Bender)
 Cutting: Practical Punch/Shear (or Master Punch/Shear or XL5+ Power Bender)

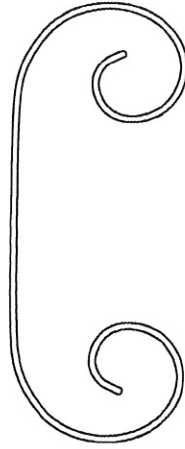
1 Scrolls (feet) 400mm (x 8)

COMPONENT 1

Cut eight 400 mm lengths and trim corners. Using the Design Sheet as a reference, mark scroll point S1 160mm from each end and Hole Position H1 230mm from one end.

Start by forming the scrolls S1 to create a C scroll as shown here. Repeat with the other 7 lengths and make sure all 8 scrolls are as identical as possible. Mark the high point of the top of the C scroll and punch a hole for the candle holder to be attached later on.

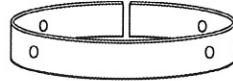
Finally, punch hole H1 and repeat for the other 7 scrolls.



2 Top Collar 155mm (x 1)

COMPONENT 2

Cut a length of 155mm and trim the corners. Roll the whole length into a ring where the ends just touch. To reduce any flats at the ends of the strip, you can pre-bend the ends slightly in a vice or in the slot of punch block.



Next lay the collar on template No.1 and carefully mark the four hole positions H2 and then punch each hole.

3 Large Ring 800mm (x 1)

COMPONENT 3

Cut a 800mm length and trim the corners. Roll the whole length into a ring where the ends just touch. To reduce any flats at the ends of the strip, you can pre-bend the ends slightly in a vice or in the slot of punch block. Use adjusting nut to maintain the final roll diameter and check against Template No.2.

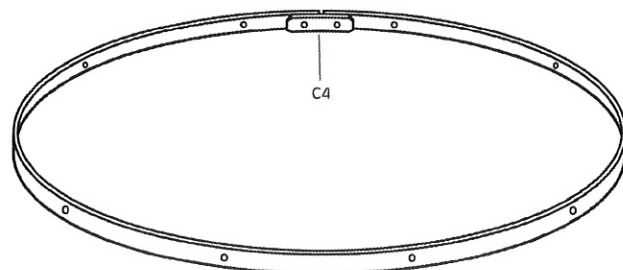
Joining Strip 40mm (x 1)

COMPONENT 4

Next cut a 40mm length and trim the corners. With the RBR tool still set at the diameter of the Outer Ring, roll into an arc.

Offer up the strap to the join on the Outer Ring making sure the ends of the Outer ring just touch (as shown in Template No.3) and mark holes H3 on the Outer Ring and Joint Strap. Punch holes and rivet strap in place with two 6mm x 3mm rivets.

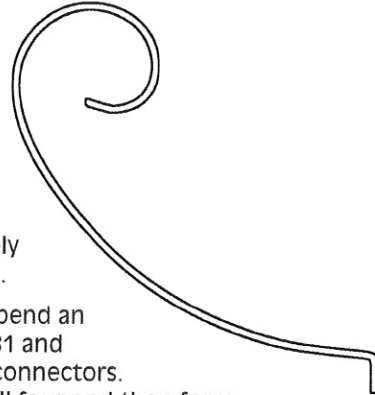
Next lay the ring on template No.2 and carefully mark the eight hole positions H4 and then punch each hole.



4 Rolled Circle Links 230mm (x 4)

COMPONENT 5

Cut four 230 mm lengths and trim corners. Using the Design Sheet as a reference, mark scroll point S2 230mm from one end, and Bend Position B1 and Hole Position H5 15mm and 7.5mm from the other end respectively but on the opposite face.



Using Template No. 4 to bend an angle of 100 degrees at B1 and repeat with the other 3 connectors. Next punch holes H5 in all four and then form scroll to S2 again in all four making sure the scrolls are as identical as possible.

Now roll a curve in between the scroll point and the bent angle B1 to achieve the shape in Template No.4 and repeat for the other 3 connector to get 4 identical links.

Next mark hole position H6 in exactly the same spot on all four connectors and punch the holes.

5 Assembly

Start by riveting the first Ring to Collar Connector (H6) to the Top Collar (H2) with a 6mm x 3mm rivet. To do this the connector will have to be rotated through 90 degrees (Diagram 1) so that it can be riveted by the RBR tool. Repeat for the other 3 connectors and then twist the connectors through 90 degrees in readiness to connect them to the Large Outer Ring.

Next, line up Hole 5 on the Ring to Collar Connector with the inside of the Large Outer Ring and Hole H1 on one of the C Scroll feet and put a 10mm x 3mm rivet to join the three items together. Again the C Scroll foot will have to be riveted at 90 degree to its intended position in order to get the joint in the RBR tool (see Diagram 2).

Repeat for the other 3 Ring to Collar Connector/Large Outer Ring/C Scroll Foot joints and then twist each C scroll foot into vertical position.

This will leave 4 C Scroll feet to be riveted in the remaining four holes in the Large Outer Ring with 6mm x 3mm rivets. Again turn the scroll through 90 degrees to rivet to the Large Outer ring and twist into the vertical position afterwards.

Stand the nearly complete project on its feet and manipulate any C scrolls gently to ensure it does not rock.

Now attach each of the 8 x MC1205P Fleur De Lys Candle Holders to the top of the C Scroll Feet via the pre-punched hole using 8mm x 3mm Nuts & Bolts. To lock them securely, you can drop a dab of superglue onto the thread of the nut and bolt.

The arms of these can be gently bent to enable the 8 Frosted Votive Glasses to be held tightly after painting has been completed.

See back page for Assembly Diagram & finishing tips.



metalcraft™

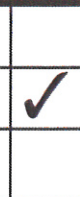
Design Pack PATIO TABLE CENTREPIECE

DIFFICULTY RATING:

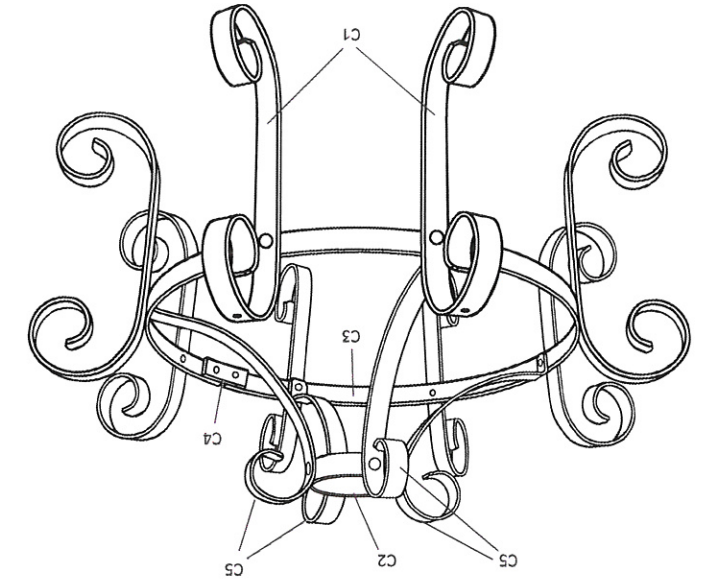
EASY

STRAIGHTFORWARD

MORE COMPLEX



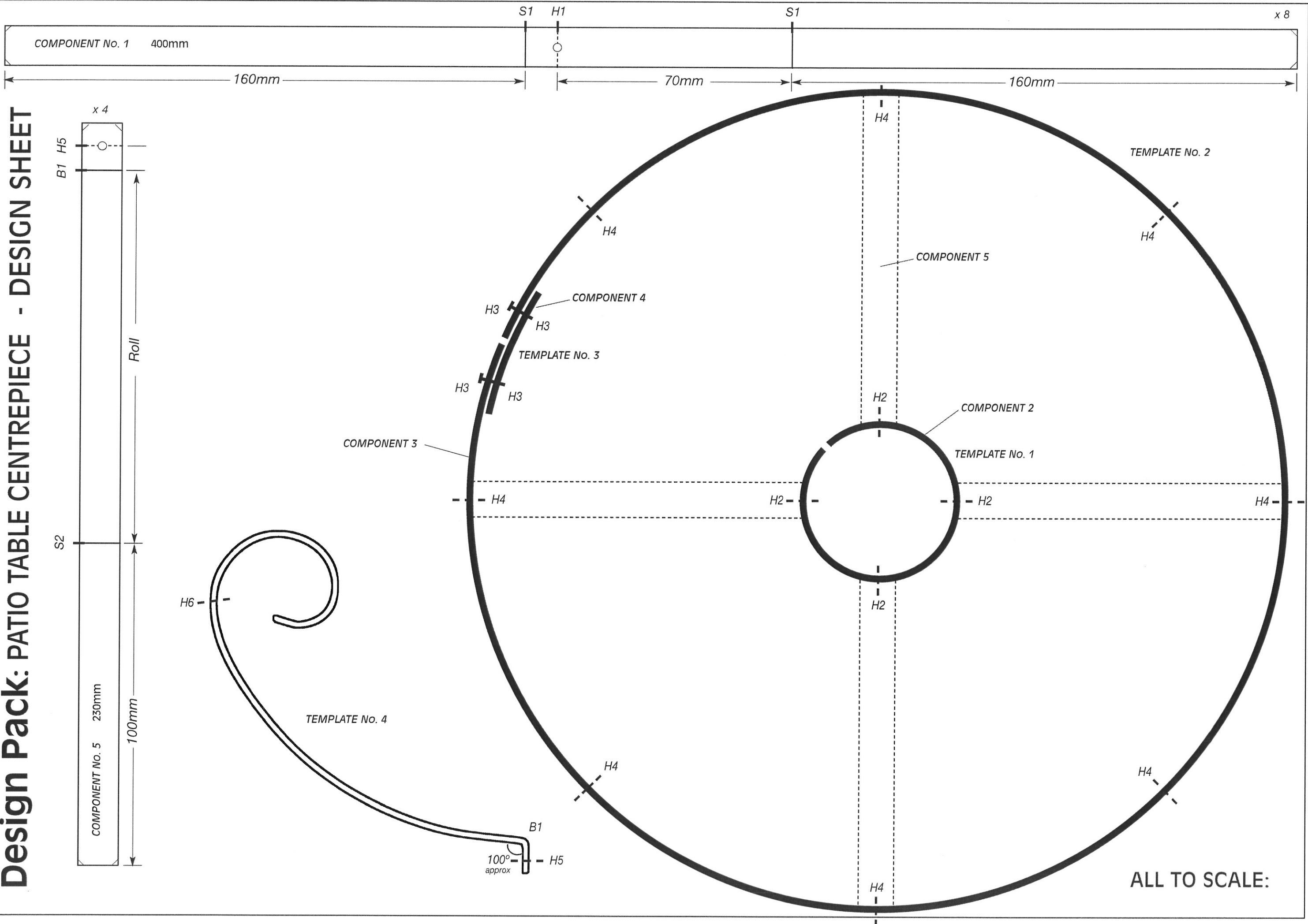
Finishing
 The finished item can now be painted in a wide variety of finishes (smooth, satin, hammer and metallic) either by aerosol or by brush application. Powder coating and plastic dip finishes can also be applied but these type of finishes are more for commercial/industrial scale finishing. However, even with aerosol or paint finish you can make your finished item look professional. In this case we used paints from the Plasti-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.



J&R WOOD



Design Pack: PATIO TABLE CENTREPIECE - DESIGN SHEET



Design Pack: PATIO TABLE CENTREPIECE - DESIGN SHEET 2

List of Materials Required:

- 7 x 914mm (3ft) Lengths of 12mm x 2mm Steel Strip (Re-Order Ref: MC034)
- 8 x 6mm x 3mm Rivets (Re-Order Ref: MC050L)
- 4 x 10mm x 3mm Rivets (Re-Order Ref: MC052L)
- 8 x 8mm x 3mm Nuts & Bolts (Re-Order Ref: MC059L)
- 8 x Punched Fleur De Lys Candle Holders (Re-Order Ref: MC1205P)
- 8 x Plain Frosted Votive Glass (Re-Order Ref: MC1302)

