| Classical | Tools Required To Make this Design: | | co.uk ● www.metal-craft.co.uk October 2014 | |
|--|---|---|---|--|
| Classical | Scrolling: Mk1/2 Scroll Fe | | • TEL: 01482 345067 • FAX: 01482 441141 | |
| Clock | | n/Shear, (or Master Punch/Shear or XL5+ fitted with 3mm punch block & pin) | 8 | |
| OICCR | Cutting: Practical Punc | h/Shear (or Master Punch/Shear or XL5+ | | |
| | Power Bender Riveting: Practical RBR | | | |
| | Bending: Practical RBR | | | |
| | | (or Master RBR) purchased this Design Pack from Create & Craft, to attach clock | | |
| | face to inner frame you will also suitable for gluing metal to metal | equire a drill with 3mm Drill Bit or a good epoxy resin adhesive | | |
| We recommend that before starting | 0 0 | so that they are free of grease, scale or dirt. After cutting any | | |
| | | neater finish, if preferred, unless stated otherwise in the instruc- b, bend, scroll, roll points on the bars. | | |
| tions. Ose a line tip market pen, per | | | jerit Deoue | |
| Component 1 Outer Half | Ring (x 2) | Component 5 Scrolls (x12) | no/ | |
| 15mm x 3mm | n x 750mm | 10mm x 1.6mm x 400mm | Jnc | |
| | | Cut 12 lengths of 400mm out of 6 lengths of 10mm x 1.6mm | | |
| Cut two lengths of 750mm out of two 3mm steel as shown on the Design | | and mark out scroll positions S1 and S2 using the Design sheet overleaf. Then using the Mk1/2 Scroll Former, form a | SSI SSI | |
| each length into a complete semi-c | ircle of diameter 475mm | scroll at one end so that the mark S1 on the steel just | an- na | |
| (approx) to form the two halves of t Note, if you over roll this piece flip | | touches the segment on the scroll forming tool. Repeat at the end with scroll S2, taking care that you form a C scroll. | | |
| place back into the rollers of your R | BR and straighten the | Then using the RBR, roll a curve between marks S1 and S2 | turers | |
| material to start again. Lay out the plete circle. (Note for those with 6f | | so that scroll is a close match to Template 4 and approx. 138mm across. Repeat the process to make all 12 scrolls. | y aero- | |
| you can make the roll the outer ring | as one piece out of a | Assembly | | |
| 1500mm length. In which case you component 2). | only need to make one | Assembly | | |
| | | | | |
| | | Firstly take your inner ring (Component 3) and rivet the clock face tabs into the inside of the ring leaving enough room for the clock | | |
| Component 2 Outer Rinc | Joining Strap (x2) | face to fit. Place the upside down inner ring over the clock face and mark the hole positions. Drill a 3mm hole where marked on the | | |
| 10mm x 1.6m | | clock face allowing you now to assemble using nuts and bolts. (Note if you have purchased this as design pack from Create & | | |
| | | Craft, the clock face is specially pre-punched so attach the tabs to | | |
| Cut one length of 70mm out of 10m half way point C1. Now roll a slight | | the clock face first and the hole on the leg of the tab should line up with hole H1 on Component 3—if it doesn't quite line up re-punch | | |
| as shown in Template 1 on the Des carefully place in the Punch/Shear | sign sheet overleaf. Then | hole in Component 3 required to attach the tab. | | |
| C1. Offer each strap to the inside of | | Once the inner ring (Component 3) is assembled to the clock face | | |
| Outer Half rings where they meet a | Ind mark out hole posi- | with nuts & bolts, place in the centre of the large ring (Components 1 & 2) ensuring the joints in the large outer ring are placed at the | AD Y ON | |
| tions to fix ring together ensuring the closed. Rivet the strap bar to the in | | 12 and 6 o'clock positions and the gap in the inner ring is at the 6 o'clock position. Place all twelve scrolls in position using the main | | |
| shown in Template 2 to create a co | omplete circle | diagram as a guide. Some scrolls may need altering slightly in | | |
| | | order for a better fit. This can be done by hand manipulation as it is light gauge steel or by careful re-rolling in the RBR. | | |
| | | Now that the scrolls are all in position carefully mark fixing posi- | | |
| Component 3 Inner Ring | | tions as shown on the main Template 5 (note-where scrolls touch | | |
| 15mm x 3mm | | inner ring it is not essential that every scroll is riveted to the inner ring. To save time, rivet every second scroll.) Taking one piece out | | |
| Cut one length of 622mm out of 15r both H1 hole positions as shown or | | at a time to punch will ensure an accurate alignment for holes ready for riveting. Remember to adjust the platform on the Punch/ | | |
| leaf. Note that you will have to set the | he punch/shear platform | Shear to ensure holes are always punched on the centreline when changing between 10mm x 1.6mm and 15mm x 3mm material. | | |
| to punch the holes 5mm in from one Once the holes have been punched | | Once all holes are punched, assemble together using nuts and | | |
| component into a complete circle to | | bolts placing the decorative Fleur de Lys in the correct position. Finally, remove each nuts and bolt and replace with a rivet and | | |
| clock. | | rivet the joint one at a time. | | |
| | | Once you have finished riveting your clock you can apply a colour | | |
| Component 4 Object (| | using the appropriate paint (see note on back of leaflet). When that is dry use a strong adhesive to glue chapter ring dial onto the clock | | |
| Component 4 Clockface | , , , | face. Then attach the quartz clock movement and rubber washer to the back of the clock with the spindle point out of the centre of the | | |
| 10mm x 1.6m | | clock. Fix in place with brass nut on the spindle and the attach | | |
| Cut two lengths of 20mm out of 10 out both hole positions H1 and ber | | hour, minute and second hand to the end of spindle to finish your own beautiful hand made classical clock. | | |
| Design sheet overleaf. First bend a | a 90° angle at B1 using | | | |
| Template 3 on the design sheet as | | | | |
| positions H1 and repeat for the oth | | | | |

| Difficulty Rating: | |
|--------------------|--------------|
| Easy | |
| Straightforward | |
| More complex | \checkmark |

Classical Clock

Design Pack

meta <mark>craft</mark>

<u>Painting</u>

The finished item can now be painted using a suita paint for metalwork in a variety of finishes either by sol or by brush application. Use the paint manufact guidelines on preparation and number of coats.

This classic has been painted in an attractive a tique hammer finish to give a real touch of clast and stylish enough to grace any room.

Time will fly as you make this clock and with o range of accessories and clock components y can adapt the design as you see fit. Here som has chosen to change the orientation of the Fl De Lys for a different effect.



Design Pack: Scrolled Clock - Design Sheet

Not to Scale:

