

Hinged Silver Bangle

By John Ross

Fall head over heels with this stylish hinged silver bangle by jewellery designer, John Ross.

Level of design:
Hard



What you'll need: Materials



<i>0.6mm Thick Sterling Sheet x Length Determined by Bracelet Gauge + 30mm</i>	CSA 050
<i>Same Length of 4mm x 2mm Half Round Sterling Silver Wire</i>	LS1 511
<i>1mm ID Sterling Tube</i>	RSA 016
<i>Enamelling Silver Solder</i>	CTE 500
<i>Hard Silver Solder</i>	CTD 500
<i>Easy Silver Solder</i>	CTB 500
<i>Argo Tect</i>	PZZ 090
<i>Tenacity 4 or 5 Flux</i>	PZZ 050
<i>Sterling Silver Safety Chain</i>	NVC 010
<i>50mm x 1mm Sterling Wire</i>	HSA 100

What you'll need:

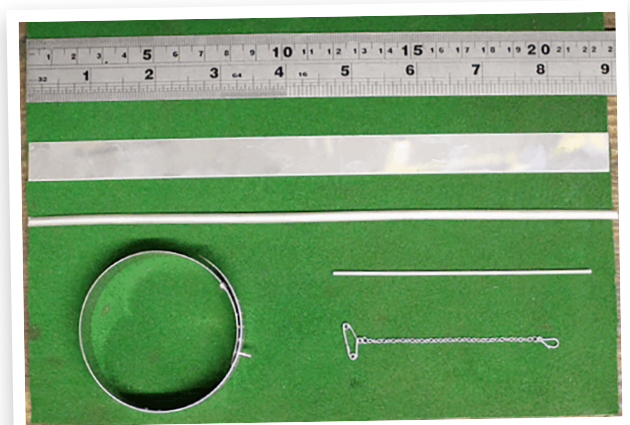


<i>Bangle Sizer/Gauge</i>	999 AIF
<i>Raising Stake or 50mm Diameter Steel Bar</i>	
<i>Hyde Mallet</i>	997 3118
<i>Steel Ruler</i>	999 576P
<i>Steel Square</i>	999 584
<i>Piercing Saw</i>	999 735
<i>No. 2 Piercing Saw Blades</i>	999 4356
<i>Soldering Equipment</i>	999 096Q
<i>Tweezers</i>	999 987A
<i>Third Hand Tweezer Stand</i>	999 AAA1
<i>Smooth Files</i>	999 422
<i>Needle Files</i>	999 527
<i>Steel Bench Block</i>	997 3610
<i>Planishing Hammer</i>	997 3111

Step 1

Determine the length

Using the bangle sizer/gauge, determine the length of sheet and half round wire to cut, and then cut an extra 30mm separate piece of sheet.



Step 2

...And cut!

Use a piercing saw to cut the half round wire in half along its length.



Step 3

Applying a coating

Lay the cut wire onto the sides of the sheet and apply a coating of Argo Tect mixed into a thin paste with mentholated spirits and solder using enamelling solder and a little extra flux. Then apply the solder to the outside edge.



Step 4

File and round

Once pickled file the edges clean and square off the ends. Next, using a Hyde mallet, carefully round off both ends of the bracelet.



Step 5

Going round

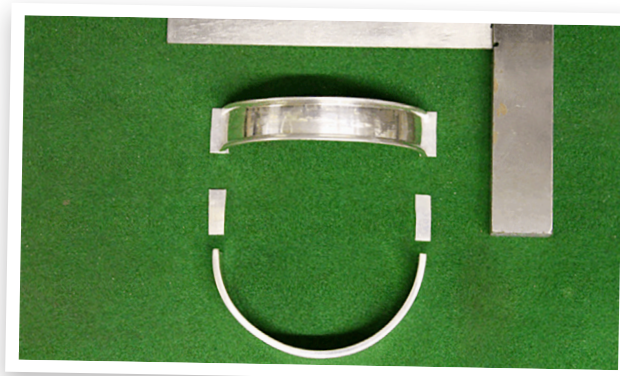
Finish rounding off by bending on the stake by hand and lightly even the shape with the mallet.



Step 6

Half and half

Cut the bracelet in two equal halves and cut 4 small pieces of sheet to form the end pieces.



Step 7

Fire!

Solder the end pieces using enamelling solder, having previously painted with Argo Tect to protect from any fire stain.



Step 8

Slots and solder

Once pickled and cleaned, cut a slot in one of the end plates and bend a 30mm x 10mm piece of sheet and solder a small piece of half round wire onto one end. Then bend, as shown in the example.



Step 9

Fitting it together

Using the third hand tweezer stand to support the bracelet, solder the bent piece of sheet into the cut slot and solder in place using hard solder. Then, add a jump ring to one side at the same time using easy solder, having previously painted with Argo Tect to prevent fire stain.



Step 10

The three P's

Pickle, polish and make a paste of rouge mixed with paraffin. Next, wire the bracelet together, painting one half with the rouge to stop solder running on one half and apply Argo Tect to the polished parts. Then solder a centrepiece of joint tube to one half, only using hard solder.



Step 11

The finishing touches

Pickle and reassemble as before, but this time paint the pre-soldered side with rouge and solder two outer pieces of the joint tube using easy solder, having painted the polished parts with Argo Tect. Add a second jump ring corresponding with the one already soldered but this time with the safety chain attached. Protect the chain from the heat with the tweezers during soldering.



Step 12

Et voilà!

Lightly hammer the clip to make it spring and cut a slot for it to fit into the end plate and form it to fit neatly. Polish the bracelet taking care to protect the chain, and finally, fit the hinge pin and the bracelet is finished ready for hallmarking.

