



Level of
design:
Intermediate



SPINNER RING

By **Stephanie Powell**

What you'll need:

0.5mm Sterling Silver Sheet	CSA 050
Sterling Silver Pyramid Wire	NVZ 005
10g Easy Silver Solder Paste	PAT 021
Wide Ring Gauge	999 AIE
Saw Frame	999 735
Saw Blade Set	997 3323
Rawhide Mallet	997 3118
Ring Tribblet	997 3601
Doming Punches	999 3046
Steel Block	999 795
Plier Set	999 096K
Needle File Set	999 528

Scriber	999 589
4x Soldering Blocks	999 968
Soldering Mat	999 969
Stainless Steel Tweezers	999 985
Sievert Beginner's Torch Kit	999 AKZ2
Flash Back Arrestor	999 Z013
Picklean Safe Pickle	855 1060
Coarse 240 Emery Paper	973 040
Fine 2000 Emery Paper	973 110
Medium 800 Wet and Dry Paper	975 070
Freedom Pendant Drill	999 FD02
Split Parallel Mandrel	999 AER
Proxxon Polishing Motor	999 6604
Tripoli	998 198
Pickle Bath	999 AFD
Ultrasonic Cleaner	997 1353
Finger Felt on Wood	999 AGO
Finger Protection Skins	999 016S

NOTE

Proxxon polishing motor has polishing compound and mops. Alternatively, you can use jeweller's rouge (998 189) and calico mops (999 CA2 and 999 AFS)

1: MEASURING

Use the wide ring gauge to find the right size. From this, find out the length of the metal needed to make the ring. You can use a ring size chart from the internet or from the Cooksongold catalogue. The formula for the length of the metal is:

Inside Diameter + 2x Thickness of Metal x 3.14.

For this project you need a 1cm wide strip of silver sheet.



2: ANNEAL THE RING

Anneal the metal and let it cool, then put it in the pickle. Use the half round pliers to bend the metal so that the ends meet. If necessary, cut down the gap to perfect the join so that it is ready for soldering.



3: SOLDER

Set up the soldering blocks to create a shelter to solder your ring. With the syringe, place a slight line of solder down the gap on the inside of the ring. It is helpful to prop the ring up with two broken saw blades, but make sure you keep them away from the solder. This allows the heat to pass underneath and means that the solder will not touch the blocks. Once it is soldered, put it in the pickle for 5 minutes to clean the metal. This is the base ring.



4: SHAPING AND SIZING

Shape the ring and get it to the right size by putting it on the triblet and hammering it with the rawhide mallet. Do this to both sides of the ring, so it is one size throughout.



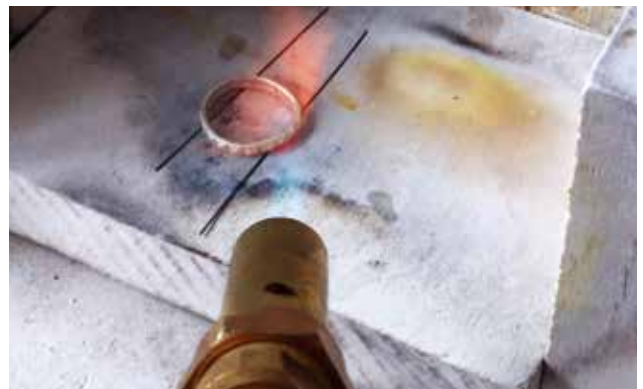
5: ANNEAL THE WIRE

Anneal the wire and let it cool, then pickle. Bend the wire and wrap the wire around the base ring with enough movement that it will spin once it has been soldered. Mark where the wire overlaps using a scribe. Then cut the wire down this line using the saw.



6: FILING

File the ends and bend the wire so that the ends meet. Use the parallel pliers to get a tight join. Cut down the gap with a saw so that you have a perfect join. Then solder the ring and pickle. Shape on the triblet and file any solder or scratches away on either of the rings using a needle file.





7: CLEAN UP

Clean up both rings using emery paper and the split mandrel on the pendant motor. Also clean the sides with emery sticks. Go through coarse, medium and fine paper.



8: POLISHING

Polish the rings, first using Tripoli, then polishing compound. Put them in the ultrasonic and leave until all the polishing compound has been removed.



9: DOMING

Dome one side of the base ring using a doming punch and the steel block so that a lip is created. Place the wire ring over the other side that has not been domed. Dome the other end so that the ring is suspended in the middle.