

1405-2

Mark Nelson finishes the ring that he created on Show 1404 by oxidizing and polishing the finished item.

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Please continue to page 2 for project instructions.

Guest:



Mark Nelson

Make a Ring Using Recycled Components - Part Two

Recycling old necklace links and other jewelry components is a great way to save precious metal in your shop while creating a brand new design. Use basic soldering skills in this project to re-invent your jewelry again and again!



steps:

1. Once you have formed your soldered components into a ring shape there is still a final connection to be soldered. Set the ring in the Third Hand tweezer with the connection facing up, and cover the piece in flux.
2. Apply a dab of Handy® flux to the connection and pick up a small piece of easy solder with the solder pick. Wearing your safety glasses, ignite the torch and adjust it to a bushy, blue flame, then begin heating the ring. Set the solder chip right between the components where you want your solder connection, then heat evenly until the solder flows.
3. Use the tongs to quench the piece in water, then submerge it in the pickle for a minute. Remove the piece and rinse in water.
4. The ring must be rounded out evenly, so place it on the ring mandrel, which is set in a vise, and use the deadblow mallet to gently smooth the ring around its circumference.
5. The ring is now ready to be polished however you wish. One way is to insert a 400-grit (blue) 3M radial bristle disc into the 20D handpiece of a Foredom® flex shaft system and use it to polish the ring and remove oxidation. You can polish it as much as you like depending on the look you want to achieve.
6. These instructions can be used to create many different designs, including pieces that include stones. You can replace one of the sterling silver round components with a matching-sized bezel mounting and set a cabochon in the ring. You can also solder more rings together for a bracelet, and even solder on a custom bezel mounting for any stone you may want to set. The possibilities are endless!



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⚠ CAUTION! Always wear eye protection when performing these processes.

supplies:

| Order # | Description |
|-----------|---|
| 502-066 | Third Hand base with tweezer |
| 704-096 | Boric acid (flux) |
| 504-025 | Flux dispenser with pump |
| 115-146 | Natural brush sticks |
| 504-006 | Handy® flux |
| 201-054 | Safety glasses |
| 500-090 | Little Torch™ propane and oxygen set |
| 500-091/2 | Disposable propane tank |
| 500-092/2 | Disposable oxygen tank |
| 500-018 | Little Torch™ torch holder |
| 502-004 | Silquar™ high-heat block |
| 503-048 | Automatic torch igniter |
| 101-200 | Silver sheet solder, easy |
| 503-019 | Titanium soldering picks |
| 501-017 | Copper tongs |
| 501-023/3 | Rio Pickle™; 3 lbs. |
| 501-012 | Little Dipper™ pickle pot |
| 115-401 | Bonny Doon vertical vise |
| 112-369 | Ring mandrel |
| 112-242 | European deadblow mallet |
| 117-534 | Foredom® SR motor with 30 handpiece flex shaft system |
| 117-291 | Flex shaft Swing-Away™ stand |
| 117-598 | Foredom® 20D handpiece |
| 332-597 | 3M radial bristle disc kit |
| — | Pyrex® dish of water |