

Forging Sterling Components for a Wire Neck Ring

Create the sterling components for this neck ring from lengths of wire using just a few tools.

steps:

1. Using the **Swanstrom super-flush cutters**, cut seven varying lengths of the **10-ga. sterling round wire**.
2. Forge the wire lengths into various shapes by hammering the pieces with the **Peddinghaus forming hammer** against the **steel bench block**. To do this, use the rounded face of the hammer to lightly tap the center of the wire, then use heavier taps at the end to spread out the end of the wire. To make the sterling components shown, hammer one end of the wire, turn the wire 90°, then hammer the other end.
3. Once the wire reaches the desired thickness, turn it over and use the flat face of the hammer to continue flattening the wire. Continue to hammer the wire until it reaches the desired shape.
4. Fine-tune and shape the pieces with the **flat hand file**. Trim the **3M Imperial™ micro-finishing films** and adhere them to the **sanding stick blank**. Use the **320-grit**, then the **400-grit** and end with the **600-grit** for a smooth finish and to bring out the sterling's highlights.
5. To achieve a high polish, use a 400-grit **radial bristle disc** on the **Foredom® flex shaft** and lightly polish the pieces. Use the discs in a progressive succession as you did with the sanding paper, ending with the 6µ radial bristle disc.
6. Use the **high-speed twist drill** on the flex shaft to make a hole in each component for stringing (use **Bur-Life®** on the drill as needed to keep it cool).

String the components onto the **16-ga. sterling round wire** as a neck wire, along with any additional **beads** and finish ends with a clasp.

supplies:

Description	Order #	Qty.
Swanstrom super-flush cutters; 6 ¹ / ₄ "L	111-706	1
Sterling round wire, 10 ga. (for the components)	100-310	12"
Sterling round wire, 16 ga. (for the neck ring)	100-316	17"
Czech glass bead assortment; 8mm	084-171/60	6
High-speed steel twist drill; 1.4mm	349-110	1
Bur-Life®; 1.9 oz. stick	117-003	1
Sanding stick blank	337-080	1
3M Imperial™ micro-finishing film		
320-grit	337-315	1
400-grit	337-314	1
600-grit	337-312	1
Foredom® SR/30 flex shaft system	117-534	1
Peddinghaus forming hammer; 8.8 oz.	112-406	1
Steel bench block, 3 ³ / ₁₆ " x 3 ³ / ₁₆ " x 4 ³ / ₄ "	115-315	1
3M radial bristle disc kit; 3/4" dia.	332-597	1
Citation safety glasses	201-053	1
Flat hand file, #4 German cut; 8"	114-702	1

IMPORTANT!

Always wear your **Citation safety glasses** when cutting, hammering, drilling and sawing metal.



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