



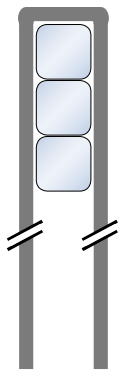
BANDING PLIERS
HALF ROUND AND SQUARE
PENDANT



Design by:
Wyatt White

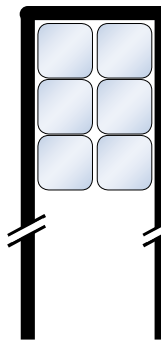
TOOLS & SUPPLIES

PATENTED SINGLE BANDING PLIERS 20/21 or 22/24.



The numbers designate the size of the band created (when Half Round Wire is bent in the Pliers. Each end of the Plunger coordinates with the Square Wire size designated), will fit a single stack of Square Wire. The illustration at left is what happens to the Half Round wire in the tool, then added to a single stack of Square Wires. Single is for a single stack of Square Wires. Make certain your Pliers are the proper size for the Square Wire you plan to use in your piece of Jewelry.

PATENTED DOUBLE BANDING PLIERS 2X20/2X21, 2X22/2X24



The numbers designate the size of the band created (when Half Round Wire is bent in the Pliers. Each end of the Plunger coordinates with DOUBLE the Square Wire size designated), will fit a double stack of Square Wires. The illustration at left is what happens to the Half Round wire in the tool, then added to the double stack of Square Wires. Make certain your Pliers are the proper size for the Square Wire you plan to use in your piece of Jewelry.



20, 21 or 22GA
HALF ROUND
GERMAN STYLE WIRE



20, 21, 22 OR 24GA
SQUARE
GERMAN STYLE WIRE

BAIL MAKING PLIERS



BENT CHAIN NOSE PLIERS



OVAL
CABACHON



WIRE STRAIGHTENER

DESIGNER FLUSH CUTTER

INSTRUCTIONS

3

1. Straighten 3 - 7 inch pieces of 22Ga Square Wire using the Wire Straightener, (length depends on the size of stone being wrapped). The stone in this instructional is 14 x 18mm the length of the Square

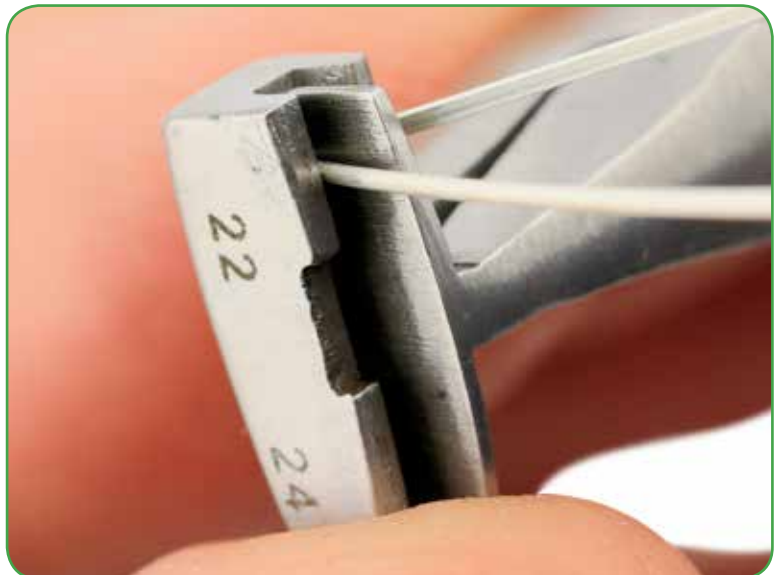
Choose size of Square and Half Round Wire depending on your preference for the wire size. The bigger the wire the more wire will show, the smaller the wire the less it will show. Make sure to have the proper size Wire Banding Pliers for the wire chosen.



2. Straighten 3 pieces of Half Round Wire approximately 5 inches. (This length can be adjusted depending on how many wraps over the square wire, having more wire is better than running out of wire). This instructional uses 21Ga Half Round Wire. Place the Half Round Wire across the tool with the flat side against the plunger portion of the tool and on the side that corresponds to the Gauge of Square Wire being used.



3. Compress the tool so that the Half Round Wire is forced down by the plunger into the double right angle base of the tool until the wire is pushed all the way down.



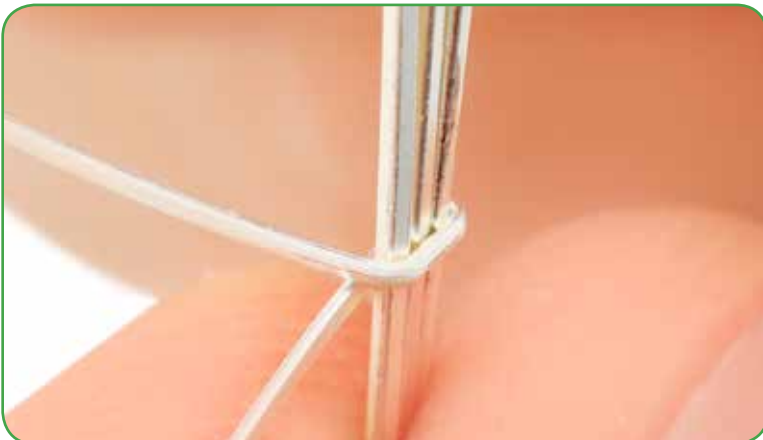
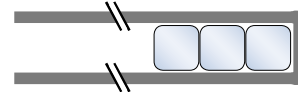
INSTRUCTIONS



4. Gently push each side against the plunger to complete the right angle form. Repeat Steps 2-4 to make 3 of these Banding Components.



5. Place the Half Round form onto the center of the straightened Square Wire, then grasp the base of the form with Bent Chain Nose Pliers.

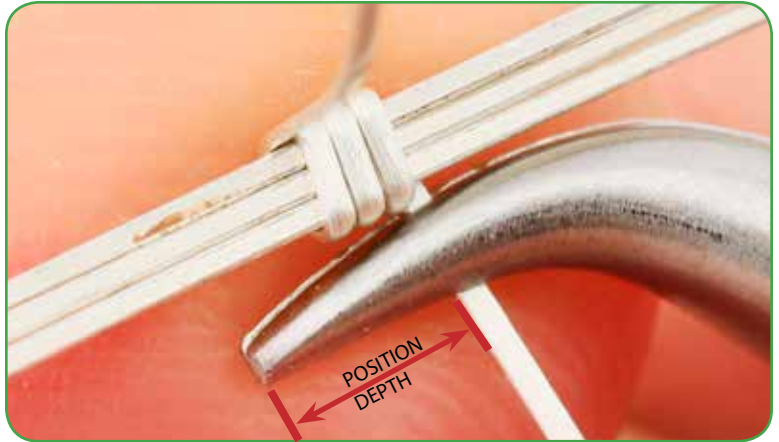


6. While holding the stack of Square Wire with the pliers bend one of the sides of the Half Round Wire over the top of the stack. (Photograph shows the result of bending the Half Round Wire over the top of the stack).

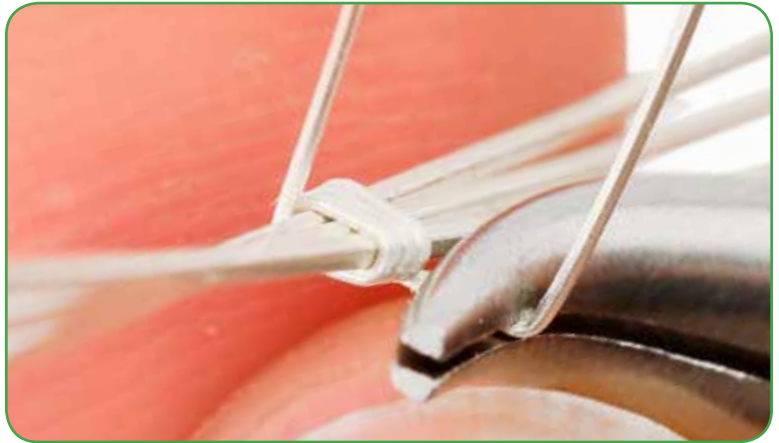


7. Use the tips of the Bent Chain Nose Pliers to gently squeeze the top and bottom of the stack with the Half Round over it to tighten the wrap.

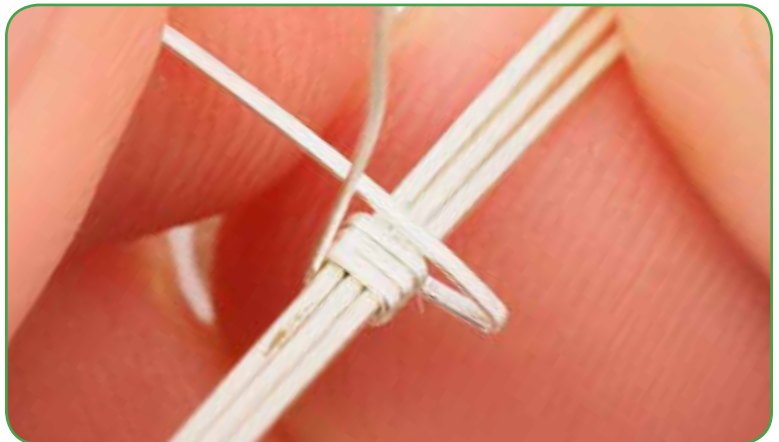
8. Continue making an angle in the wire as tightly against the stack of Square Wires, tighten each of these bends until you have 3 wraps. Then grasp the half round wire with the Bent Chain Nose Pliers as Shown. Remember the position depth from the end of the Pliers to form the prong.



9. Bend the Half Round Wire up against the Bent Chain Nose Plier to form a right angle.



10. Remove the pliers and bend the wire down against the stack of Square Wires as shown. Align the edge of the wire with the previous wraps.



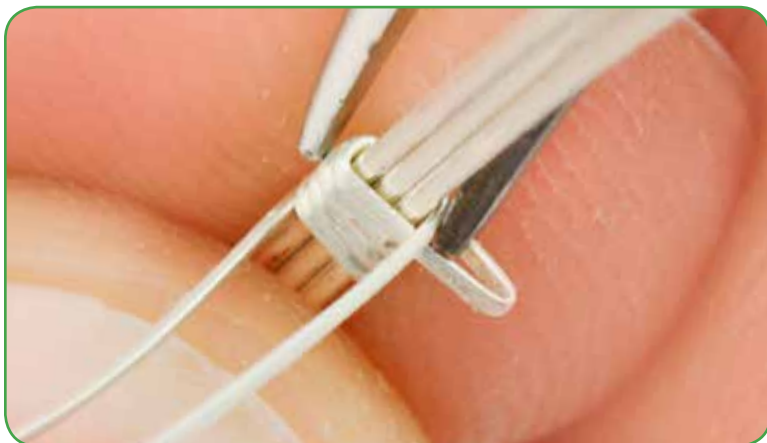
11. Hold the stack with the Bent Chain Nose Pliers as shown and bend the Half Round over the Square Wire.



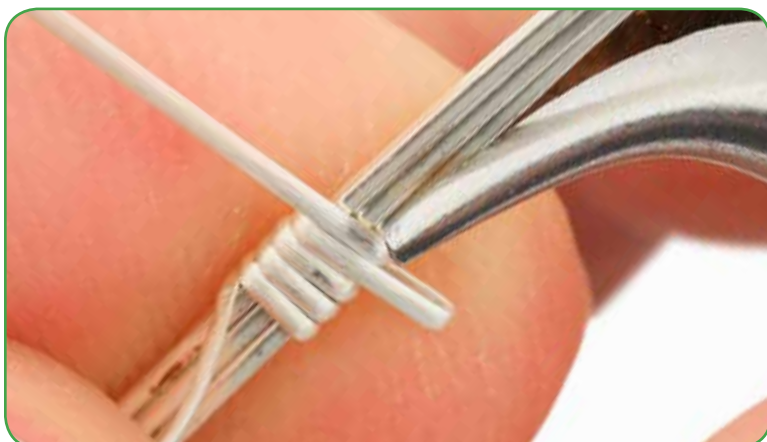
INSTRUCTIONS



12. Bend the same wire over the three Square Wires.



13. Bend the Half Round Wire over the top of the stack then tighten with the Pliers as shown.

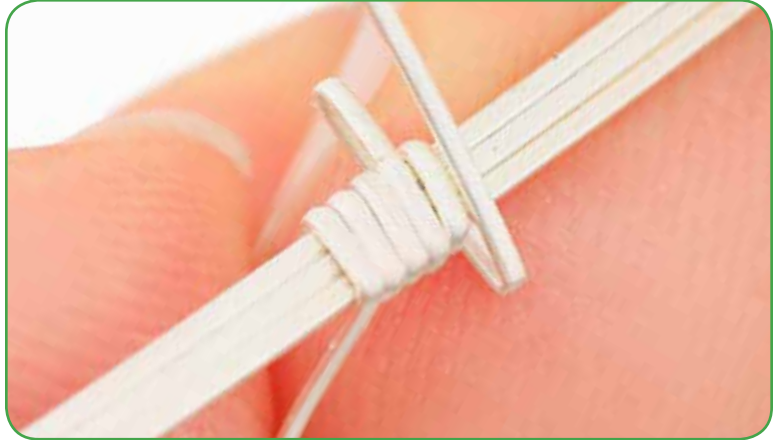


14. Bend the Half Round Wire over the side of the stack and tighten with the tips of the Bent Chain Nose Pliers.



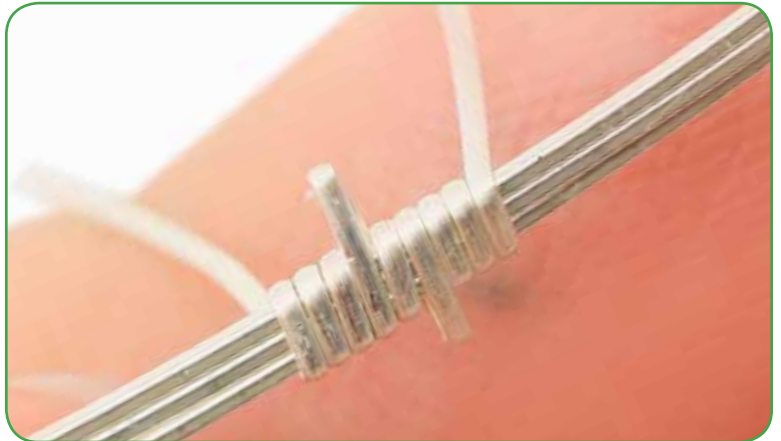
15. Make another prong, opposite the first one. This prong should be slightly shorter than the first one. This prong will be used for the bottom of the stone.

16. Bend the Half Round Wire over onto the side of the stack of Square Wire.

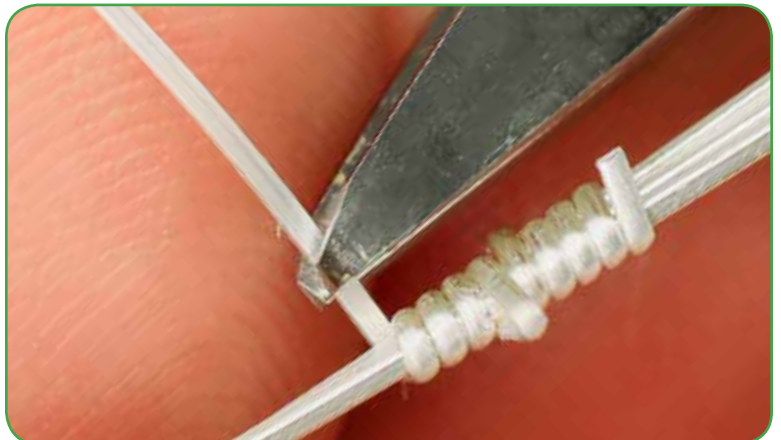


17. Continue with bending then tightening each half wrap to make sure the square wires begin to firm up and become more solid.

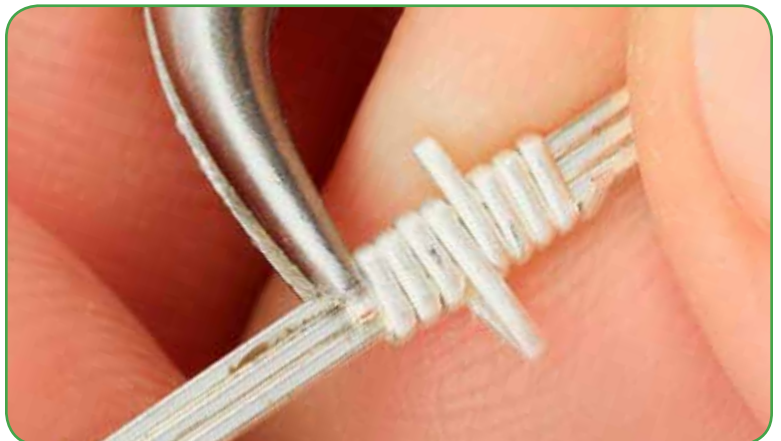
**I like to have the same number of wraps on each side of the "prongs", make certain that both ends of the Half Round Wire are on the same side of the side stack of Square Wires.*



18. Trim the ends of the Half Round Wire, leaving enough wire to fold over the side stack and cover about 1/2 of the stack.



19. Bend the end pieces over onto the stack and tighten.



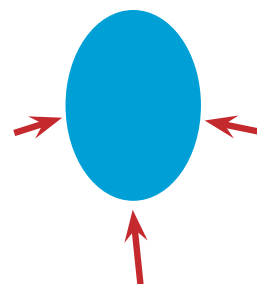
INSTRUCTIONS



20. Carefully bend the bottom prong into the inside of the stack of Square Wires, make sure it's on the same side as folded over ends of the Half Round Wire.



21. Carefully fashion another Prong group to the left of the center, and a set to the right of the center set. Bend in each of the bottom prongs at a 90 degree angle. Make certain that these prong wraps are located so they will fit the stone at the indicated areas.



22. Begin by centering the stone and the wire frame then gently bend the wire frame to the shape of the stone. Many small bends are always better than fewer big bends.

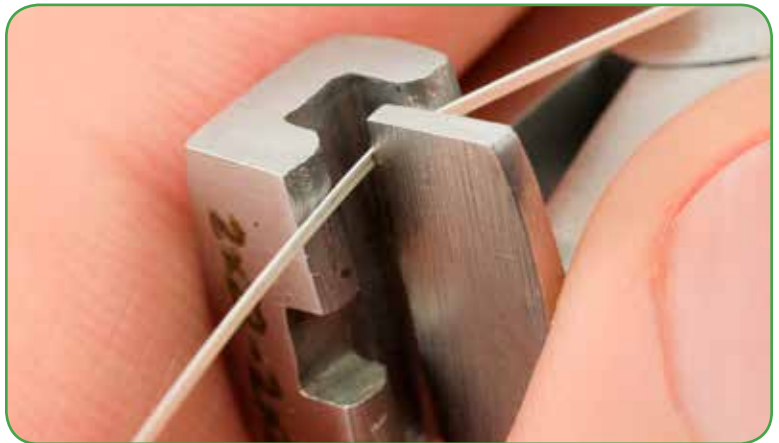


23. Flip the whole piece and see where the top prongs are and continue forming the wire frame to the stone.

24. Once the frame fits well, carefully grasp the top wires and gently bend them using the Bent Chain Nose Pliers as shown to bring each of the stacks of Square Wire together in a straight line at the top of the stone.



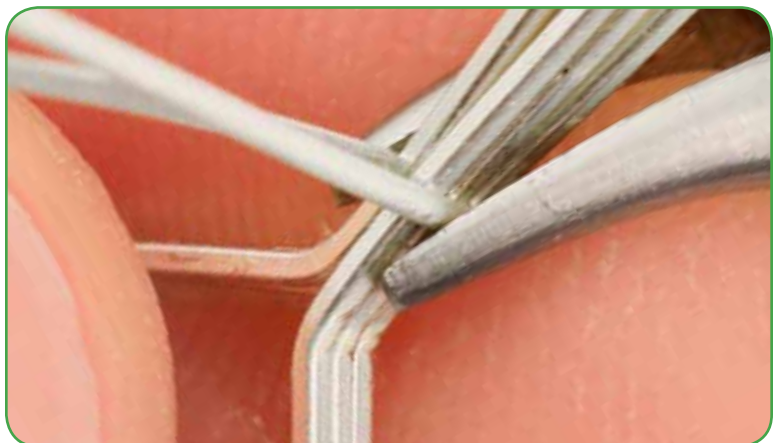
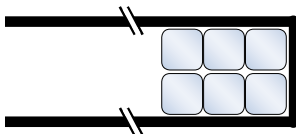
25. Use the Double Banding Pliers and place a 4 inch piece of Half Round Wire onto the side marked 2x22Ga (because we are using 22 Ga Square Wire) make sure the flat side of the half round is facing the plunger of the Double Banding Pliers.



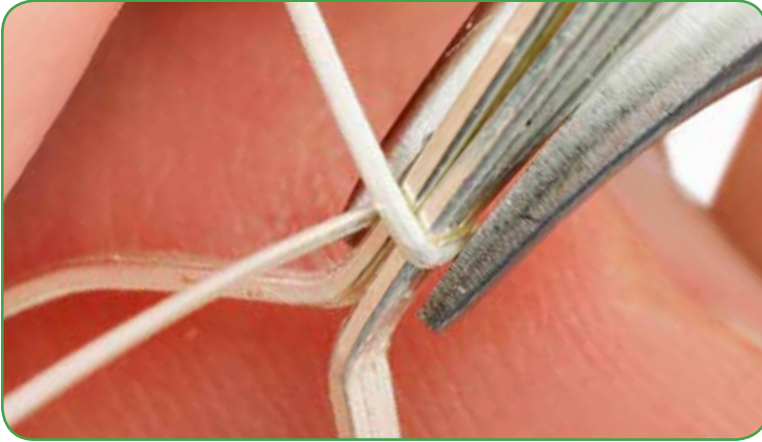
26. Make a complete compression of the pliers to form the double right angle bend in the Half Round Wire. Then push with your thumb on both sides of the Half Round Wire to push them against the plunger.



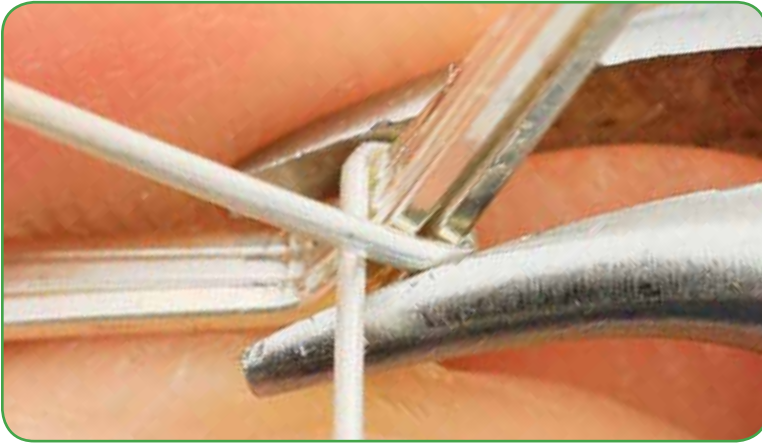
27. Place the Half Round Wire band around the 2x3 stacks of the Square Wire. This can be tricky as the Square Wires will not want to do what you want them to, but the Banding Pliers make the fit tight so that you can control the wires.



INSTRUCTIONS



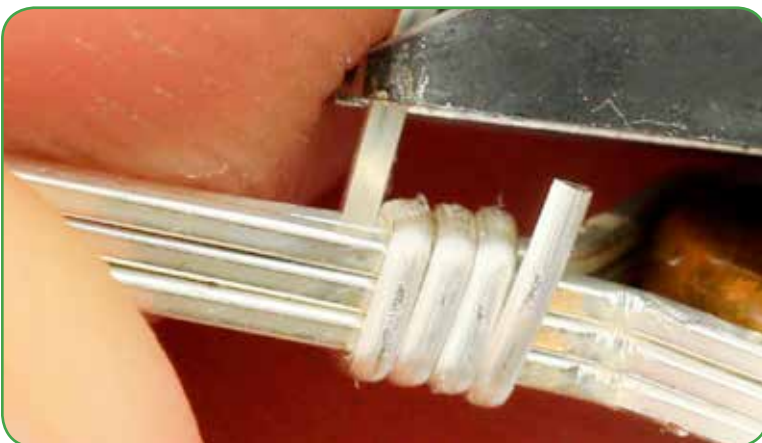
28. Carefully bend one of the ends of the Half Round Wire across the double stack as we did before only now you have a double stack.



29. Tighten the bend from Step 28.



30. Continue bending and tightening the band on the 6 square wires until you have about 4 or 5 complete wraps.

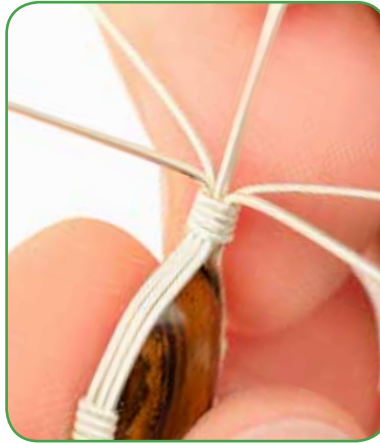


31. Cut the two ends of the Half Round Wire, making sure they are at the back of the pendant and will reach at least half way across the bottom of the stack of Square Wires. Insert the stone into the mounting from the top.

32. Use the back of the Bent Chain Nose Pliers to “burnish” or bend the prongs over the top of the Cabochon to secure it into the mounting.



33A. Stretch open the top two Square Wires, and the Back two Square Wires out from the band.



33B. Bend the back two Square wires flat against the back of the Cabochon.

34. Cut the ends of the two Square Wires at the same length near the end of the Stone.



35. Use the Bent Chain Nose Pliers and twist the end of the Square wire counter-clockwise.



INSTRUCTIONS



36. Continue to twist the end until you have a scroll (or other design)



37. Grasp the other wire and twist in the opposite direction (or the same direction) to make a design. This design also helps to hold the stone from the back.



38. Bend the front two Square Wires down onto the top of the stone.

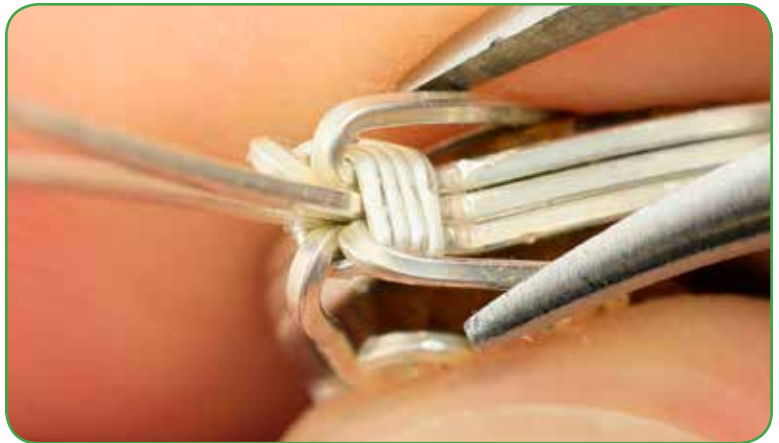


39. Cut the front Wires close to the bottom of the Cabochon.

40. Twist or coil these two wires to create two coils. I like to coil these so I don't scratch the surface of the stone. The back of the stone may have a scratch or two but the front needs to be scratch-free. This method is a little harder than the twisting but keeps scratches to a minimum.



41. Tighten the front and back of one side by carefully squeezing one against the other.



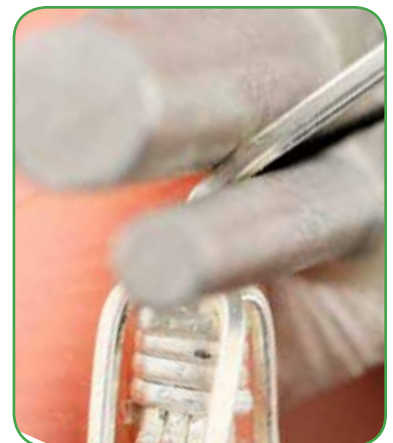
42. Flip the pendant and tighten the other front and back.



43A. Place the center two Square Wires into the Bail Making Pliers as close to the top of the Pendant.

Make sure the larger size end of the Bail Making Pliers are on the back side of the Pendant.

43B. Twist the pliers to make a slight bend in the two wires over the smaller of the two ends of the Bail Making Pliers.



INSTRUCTIONS



44A. Using your hand, bend the two Square Wires up and over the large end of the Bail Making Pliers.



44B. Remove the Bail Making Pliers, your Bail should look as shown.



45A. Re-grasp the bail with the Bail Making Pliers so that you can bend the two ends to form the rest of the round portion of the Bail.



45B. Grasp the two Square Wires with the tip of the Bent Chain Nose Pliers close to the top of the pendant and bend them up as shown.



46. Form another double band of Half Round Wire and place onto the base of the Bail.



47. Wrap the Half Round Wire around the Bail 3 times making sure that the two ends are at the side of the Bail (or at the back your choice). Cut the ends and fold them over and tighten as before.

48. Carefully cut the ends of the Square Wire from the base of the Bail.



49. Tighten the ends of the Half Round Wires to make sure none of the ends are out.



50. Carefully split the two wires of the Bail to create the "rabbit ear bail"



Finished Pendant

There are many different ways of securing the stone to the setting, as well as finishing the top of the pendant and making the bail. Once you have the general idea you will be able to change and make your own ways of doing these portions of setting the stone. The Banding Pliers help to secure the first wraps making the setting more solid in the beginning. It's good to prep by making all of the bands before you get started so that those parts are ready to go.

