## BeadConnection Link

[Connections are the biggest challenge when creating wire jewelry! Why not emphasize those connections with gorgeous gemstone beads? These links are fabulous for long and bold statement necklaces, but can work-curved-for bracelets (just add a clasp) and-a little wonky-as earrings (finish with ear-wires)!]


| Materials | Tools |
| :--- | :--- |
| -Aluminum Wire, 18g.*, gold [SKU 74720002-01] | (John Bead Pro Line Pliers/Cutter Set [SKU 74527341] |
| -Aluminum Wire, 12g.*, gold [SKU 74720001-01] | -Round nose [SKU 74527301] |
| -Earth's Jewels, Turquoise Green mix, 100g. pkg. [SKU 27600650-14] | -Chain nose [SKU 74527300] |
| -Earth's Jewels, Peach Aventurine mix, 100. pkg. [SKU 27600650-02] | -Side-cutter [SKU 74527320] or |
| -E-6000 Clue Clear Mini 5.3m. Tubes, 4 pcs [SKU 88824958] or | -John Bead Pro Memory Wire Shear [74527333] |
| -Gem-Tac Adhesive [SKU 88827895] | -Mandrel, 1/4" and 1/2" [or similar] |
| -Wipes | -Nylon Jaw Pliers [SKU 74527322] |
|  | -Needle file/Wire Rounder |
|  | -Awl/toothpick/needle [or similar] |

## Directions

## Form the Links \& Assemble

1. Using the BeadConnector Link pattern to gauge bead size to link length, cut a variety of 18 g . wire lengths totaling the number of desired links.
[Note: Choose beads that will fit the opening and cover the butted joint by a minimum of $3 / 8^{\prime \prime}-1 / 2^{\prime \prime}$.]
2. Straighten each wire length with a nylon jaw pliers.
3. Using the pattern measurements, trap the lead amount at the widest part of a round nose pliers [for $1 / 4$ " links] or bailing pliers [for $1 / 2^{\prime \prime}$ links] to form each first link-end.
4. Matching the link set-up on the pattern, place the round-nose pliers at the opposite end to create the final round link-end. Keep the middle lengths straight and parallel, and the ends overlapping at the center.
5. Cut both ends at the center intersection using a double flush-cutter.
6. Harden the link with a nylon hammer and bench-block, making sure not to deform the wire-ends.
[Note: Changing the shape of the ends may hamper the beads from fitting.]
7. File any burrs from the wire-ends with a needle file or wire rounder.

## Assemble the Necklace

1. Arrange the links as desired to form a long necklace.
[Note: Long necklaces may be designed to be claspless, but shorter versions should be made with openings and closures/clasps.]
2. To each alternate link, use an awl to insert a dab of glue to the holes of the gemstones, then open and close each link [as you would a jump-ring] and center a gemstone onto the ends to connect and complete each link.
3. Use the remaining links to connect the bead-connected links, repeating the step above, but adding-in each flanking link-end before closing/connecting each link with the gemstones.
4. Continue until all the links are connected and the entire necklace is assembled.

## Notes:

18 g . will fit through the holes of these Earth's Jewels gemstone beads (and most beads), however, do check whether the wire you've chosen slips easily through the gemstones as drilled. Should the fit be tight or will not pass, it may be necessary to choose alternate beads as thinner wire may not be strong enough.

