

TUTORIAL  
*FOLD-FORMING PUZZLE PIECE*



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Difficulty Degrees

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# *FOLD-FORMING PUZZLE PIECE PROJECT*

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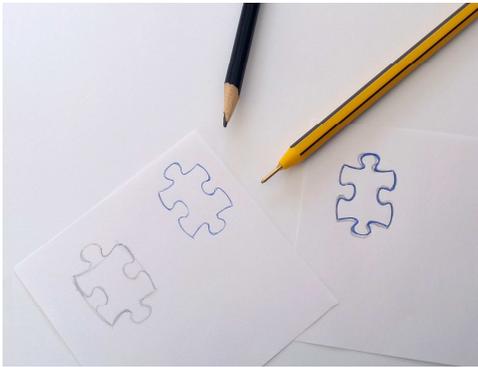
# FOLDFORMING PUZZLE PIECE



These puzzle piece earrings are made with the Fold-forming technique in aluminum plate, enriched with silver leaf glass beads. In the image there are two different pearls as an example for two possible variants.

## MATERIALS AND TOOLS:

- 20 gauge metal wire (1,77 inch)
- 0,5 mm aluminum sheet
- 2 pcs Oval or heart-shaped pearls with silver leaf
- 2 pcs earring hooks
- Goldsmith's saw for metals
- Nail scissors
- Scissors for metal
- Cylindrical tip pliers
- Conical tip pliers
- Curved tip pliers
- Goldsmith or modeling files
- Flat cut cutter (wire cutter)
- Dremel or nail drill
- Milling bits
- Awl
- Permanent marker
- Mask for fine dust (FFP3 Recommended)



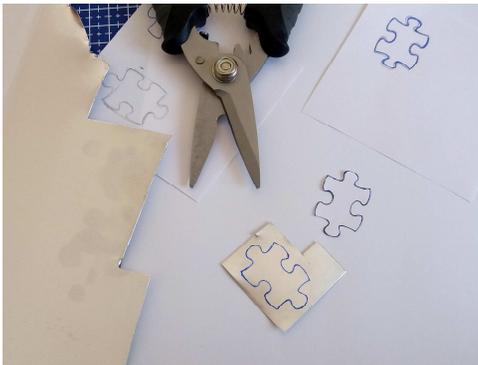
**1** Draw a piece of puzzle piece on a piece of paper with a pen or pencil. Alternatively you can also print the drawing you find at the end of this tutorial and cut out the shape.



**2** Cut out the shape of the puzzle piece precisely with the help of nail scissors.



**3** Trace the shape of the puzzle piece with a permanent marker on the aluminum plate.



**4** Cut out the piece of sheet metal on which the puzzle piece has been traced with the scissor for metal.



**5** With the help of a metal saw cut out the shape. Be careful to follow the line keeping a little wide in order to redefine it with the files later.





**6** Carefully file the edges of the template with the goldsmith files. Alternate between flat and round ones to reach to the most difficult points. Give the right shape to the edges to make it look more like a puzzle piece.



**7** Perfecting the edges filings with the Dremel or a small nail drill. Use a mask to avoid breathing dust here and during scraping.



**8** Use a punch to make a small hole by exerting adequate pressure on the template.



**9** Shape the puzzle piece with cylindrical-tipped pliers giving it a curve as shown in the picture.



**10** Scrape the front and back surfaces of the piece with the drill bits mounted on the drill. Remember to use the mask.



**11** With the coarse-grained sandpaper tip, go over the surface of the piece giving it a diamond look.



**12** Insert a pearl on the 1,77 inch(4,5 cm) 20 gauge wire and create a small eyelet on both ends.



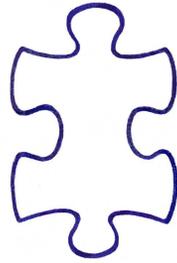
**13** Mount the pearl on the puzzle piece using a small ring made with 20 gauge wire and conical-tip pliers. Hook the earring hooks to the other free eyelet of the pearl.



**14** Here are the earrings fitted with different pearls. Mount them with equal beads to match them. You can choose any type of pearl.

Full-size drawing, ready to print.

Total dimensions Puzzle Piece approximately  
1,34 inch (3.4 cm) height x 0,79 inch (2 cm) width.



## Acknowledgments

I thank all the readers of my site [www.filidargento.com](http://www.filidargento.com) and all the members of the Facebook group [Fili d'Argento\[Gioielli Wire\]](#) for their support and trust.

With love  
Giorgia

