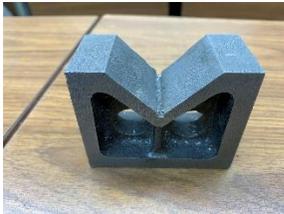


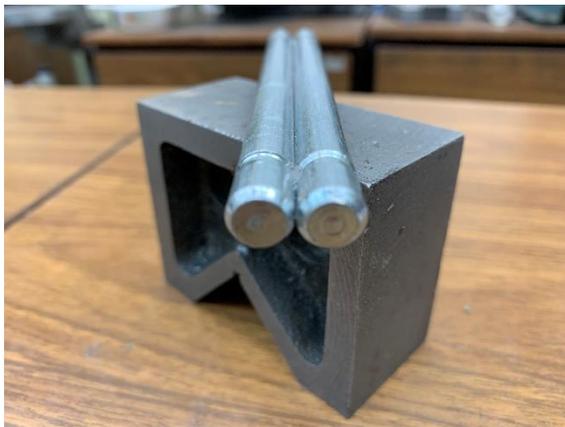
OO Blocks For a Bandsaw, Version 1.0

By R. G. Sparber

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I think we can all agree that this is called a V block. The name, obviously, comes from the shape of the block when viewed from the side.



Here is an OO block. As viewed from the side you can see the two “O”s. Hence the name.

What is not obvious is that the V block and OO block perform similar functions.



I’m using a pair of OO blocks to secure some square tubing as I prepare to cut it on my horizontal bandsaw. This has previously been done with V blocks but they take up a lot more of the vise’s capacity. The V blocks are also a lot narrower so the stock is not as well supported.

To understand why I would want to have this alignment of the stock, please see the video: <https://www.youtube.com/watch?v=bYBik4KZYAk&t=3s>

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To make an OO block, I need to secure two pieces of round stock together. The strongest and fastest way to do this is by welding. However, I know that some people do not have access to such technology.



Therefore, I chose to make OO blocks by using J-B Weld.



A pair of rods were placed on a flat surface and boxed in so they stayed in contact. Then I mixed up a batch of J-B Weld and formed a fillet between the rods. Once cured, I put each OO block on my belt sander to cut a flat on the epoxy side. This gave each block more contact area with the vise jaws.



The final step was to enlarge the grooves in each end to accept a 1/16 x 1/8 x 1/8 inch neodymium magnet. This holds the block in place during set up. Had I realized the need for this recess before gluing, I would have cut them on my lathe.



Here you can see a larger² piece of square tubing being supported by the OO blocks. The bottom corner is on the vise ways but the OO blocks are above the ways. I saw no rotation of the stock during sawing.

I welcome your comments and questions.

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² As compared to the tubing on page 1.