

Infinitely Adjustable Vise Jaw Spacer

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In the photo below, you see an infinitely adjustable vise jaw spacer. I saw a vise jaw spacer that Clay Spencer made and wanted to build one for myself. His looked like a three dimensional cross and had six useable sizes. In the process of figuring out how to build it, I was wondering whether one could build one with more than six widths. After rejecting several designs, the idea of a circular wedge hit me. It provides infinitely many widths and affords extreme ease of adjustment: just turn the wedge to the desired size. Next, I had to solve the problem of how to hold it in the vise. Again, several ideas were rejected when the magnet occurred to me as the best option. It has several benefits: it moves with the vise jaws, it holds the spacer in its dialed-in position and when you are done with it, just place the magnet and wedge on the post.



The wedge is made from a 5" piece of $\frac{3}{4}$ " mild steel, forged into an 8" long wedge. The wedge tapers gradually to about $\frac{1}{16}$ " thick. When bending the wedge into a circle, it helps to bend the thick side first. The magnet is about 2" long and can be purchased at Harbor Freight.