

Sawing Threaded Rod Axially, Version 1.0

By R. G. Sparber

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Sawing flats on threaded rod takes a bit of finesse. With plenty of metal on one side of the blade and almost none on the other, the blade will tend to wander off the part.

One solution is to have about the same amount of metal on both sides of the blade.



I started by going into my junk drawer to find a piece of stock with a hole that is a close fit to my threaded rod. Then, in the horizontal position, I sawed halfway through at the desired location.



With the saw in the vertical position, the block is fitted over the blade from the front.

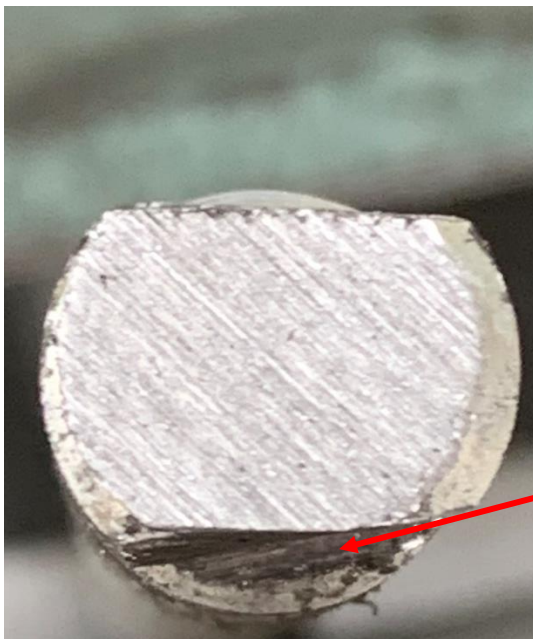


One clamp holds the block down while a second clamp, acting through a bar, prevents rotation.

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With the saw running, threaded rod is slowly fed into the blade. Care must be taken to prevent any rotation or the flat being cut will not be true.



In this case, I wanted flats on both sides.

The fixture guided the second flat but there was some blade wandering. Clearly, this is not a precision operation but, in this particular case, was good enough. I was able to clean it up on my bench grinder.



If I needed to do this again, I would add a removable guide (red bar). The previously cut flat would ride on the guide to prevent rotation and side play.

I welcome your comments and questions.

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