



The first thing you want to know is how to tap the 1/2-10 2 Start Acme Thread in this part. It is not that hard at all. What you need to do is make a Tap out of the Acme threaded rod you are using on your machine. This insures that the threads are cut perfectly to the size of the threaded rod you are using. I have not tried other thread sizes for the lead screw but I'm sure you can use others if you like. I think 1/2-10 2 start acme threaded rod is perfect for the alfamil.

The reason the 1/4-20 threads are only started in the part is to let the 1/4-20 screw cut its own threads. This makes the screw tight when screwing it in. Doing it this way helps the screw maintain the adjustment of the backlash on the Acme Threaded rod.

The .062" slot cut in the nut can be cut on a band saw. Its not that important that it is right on size. It just needs to be around that size so the block can move to adjust backlash. I have the backlash down to .001 on my machine using this nut.