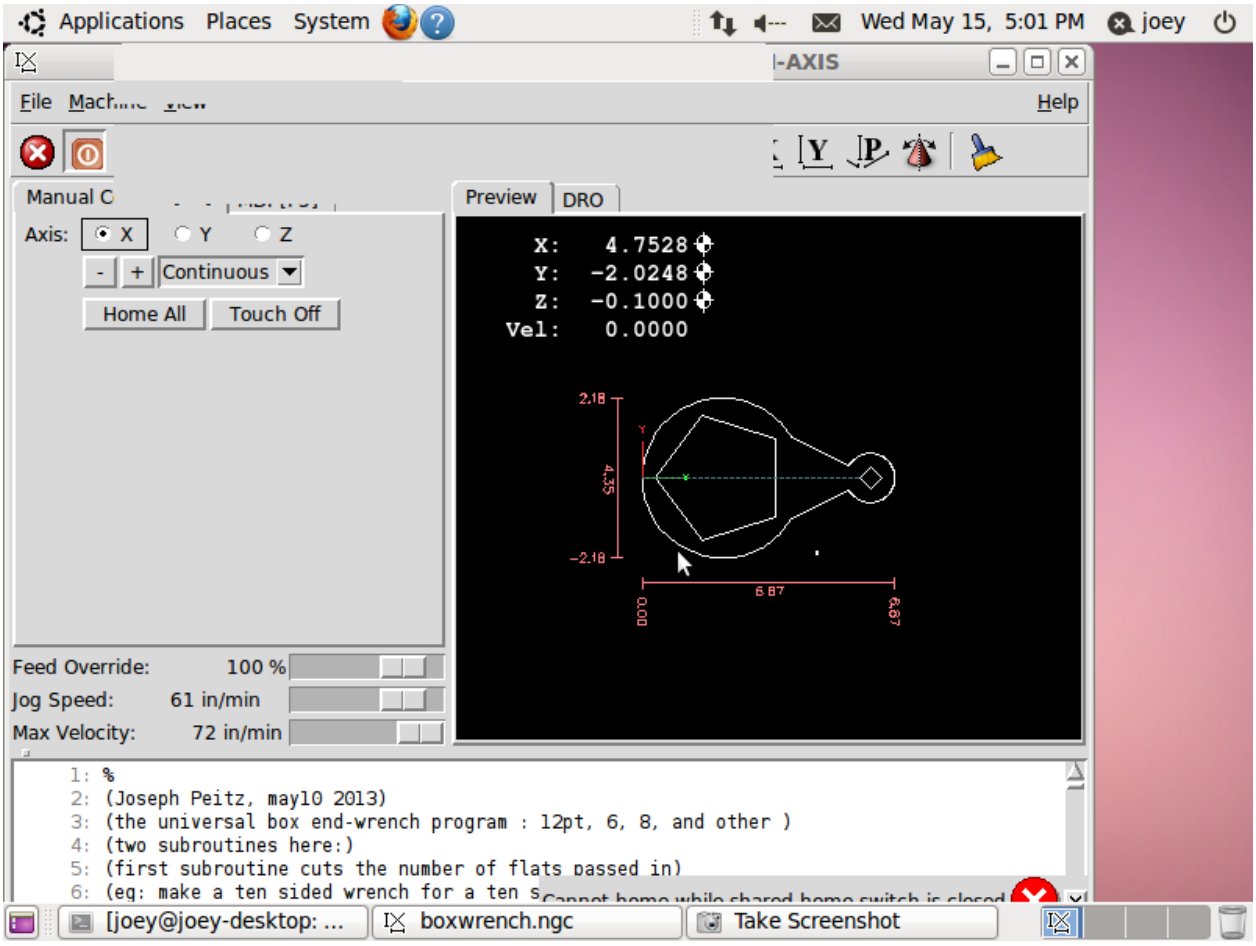
Here's a program to make a box end wrench. It is entirely G-code based and has "named parameters in it that should allow the milling of a large variety and size end wrenches from sheets of aluminum, wood or plastic. I never used the program on steel so I'm not sure that a 5/64 endmill will handle that although the industry doc says it should. The size of the endmill is in the program and larger sized cutters could be used on larger wrenches, with a 5/64 cutter I made a 12mm/10mm box wrench from ¼ aluminum .



The number of flats on each end of the wrench can be changed to anything desired, fifteen flats are on some oil filters, larger numbers approach some knurled bolt heads. I know that anyone familiar with a cad package can whip up a box wrench in about fifteen minutes, this program allows you to whip up “any” box wrench in about fifteen minutes. The program includes two subroutines, one for making the number of flats needed, and one for making twice the points. (make a 12 point wrench that fits a six point bolt.)