Video Two

Hi, my name is Pat and I have had my own shop making plastic injection molds for quite some time. I have always wanted a large vise to help with my welding projects. I started to build one and share it on YouTube. It is now time to weld together the stationary part of the vise. There are 5 parts welded to make this up they are the Big\_Tube, Bolt\_Plate\_Rear, Jaw\_Backup, Fixed\_Left, and the Fixed\_Right. The first part to be welded is the Bolt\_Plate\_Rear to the Big\_Tube.

The first video detailed the welding of the nut assembly; the Bolt\_Plate\_Rear will be welded in first. After welding the Plate in position check the fit and working of the nut and plate the nut assembly should fit and then to smaller tube should fit and move properly with the nut in position.

Also the lengths must work out. First let’s check the length of the small tube first we set one of the movable jaws in position next the length of the nut and bearing are checked and last the diameter of the nut should also be checked. The nut will need to be reduced a little bit now it is better to know now as opposed to later.

Now the side plates can be tacked into position after grinding the weld clearance into them and the tube. I will be tacking with a tig welder and welding with arc stick. Because of speed with an arc stick welder.

This is the last chance to check the fit of the small tube into the large and you definitely need to check that the mark is still there and in the right place.