

Hammerli 480K Repair Notes

The team I help coach has a Hammerli AP40 cylinder with 4 years of official life left, but it has a slow leak. I think it's the valve. I can cannibalize an out of date cylinder for parts, but I need to get them apart. I have a pin spanner (<https://www.amazon.com/gp/product/B002FHNEEU>), but I need a good way to hold onto the cylinders.

I 3D printed vise jaws for my 4" Starrett bench vice, and made the inside radius 1.4 mm larger than the cylinder to allow using a sheet of silicone rubber as a pad/gripping aid. The rubber is <https://www.mcmaster.com/5773T22/>.

The replaceable vise jaws stick out a bit from the body of the vise, and the plastic jaws are printed with a pocket in the back that snaps onto the metal jaws.



The plastic jaws are installed, and the rubber sheet is slipped in place:



Insert the cylinder, tighten the vise good & snug, install the spanner and heave...



The valve end came loose, and I'm ready to repair or swap as needed.