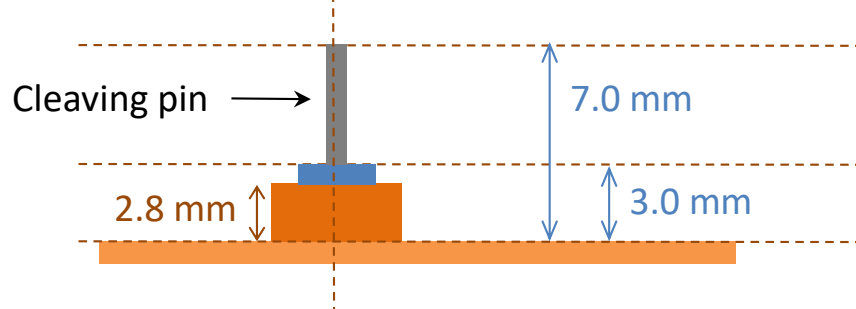
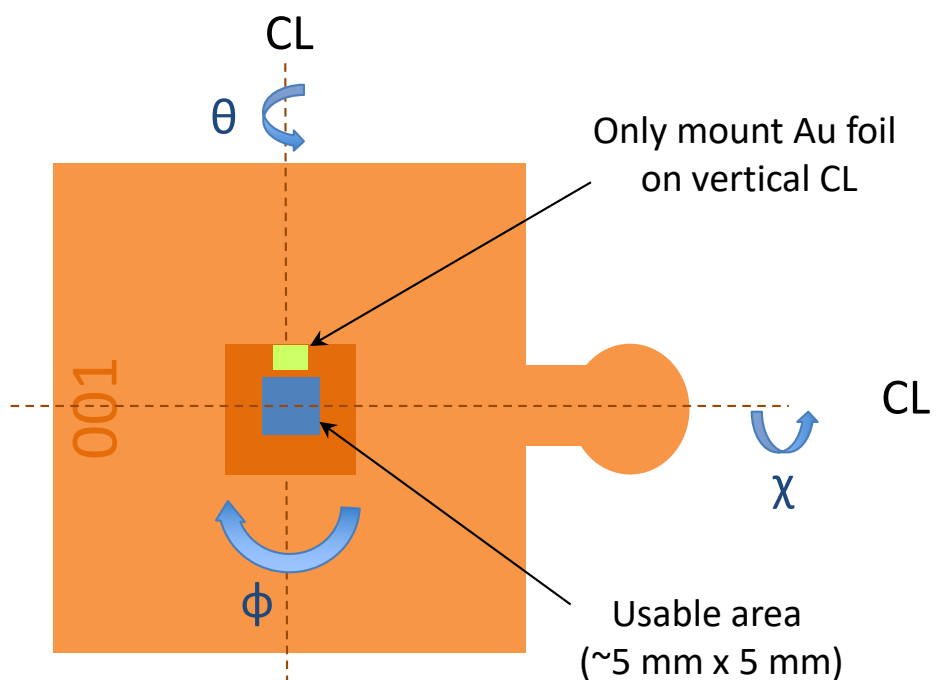


ARPES Sample Mounting



The APS **does not have**
any Laue capability

Top hat sample plate:

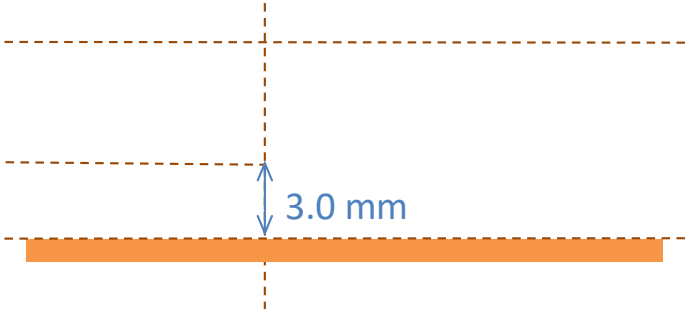
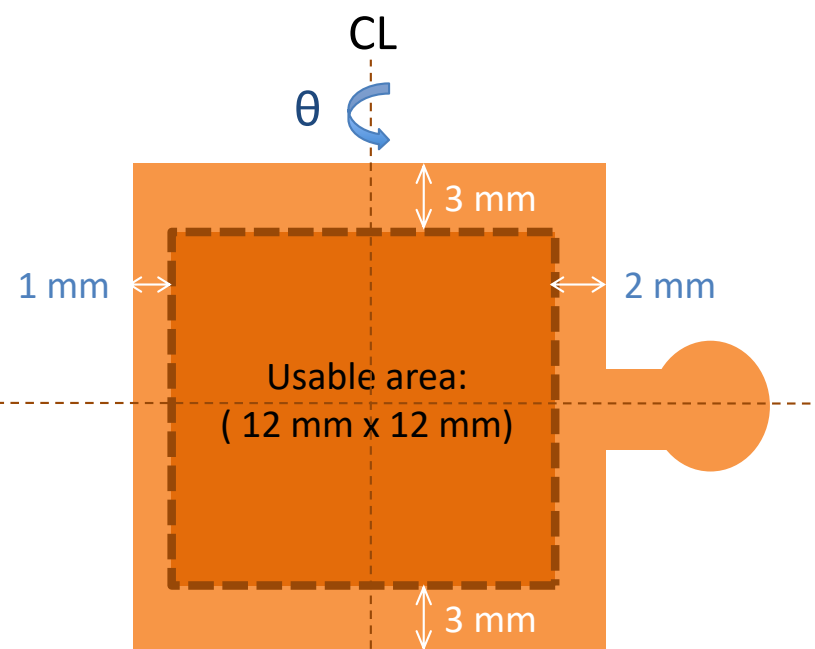


Maximum height

Center of rotation

Top of sample plate

Flat sample plate:



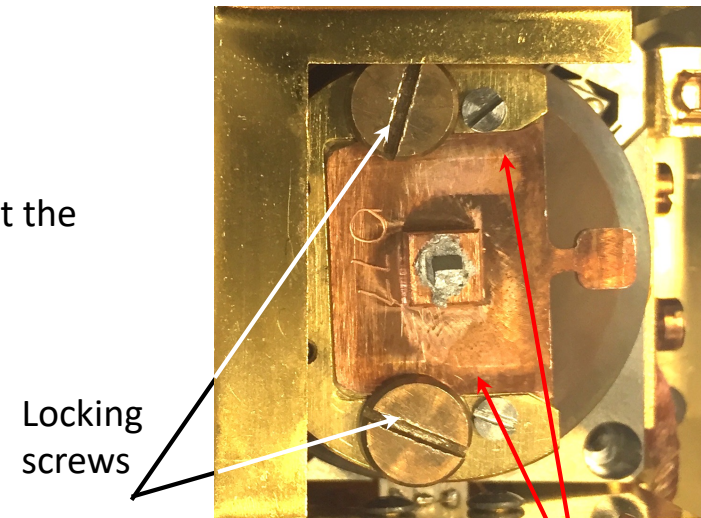
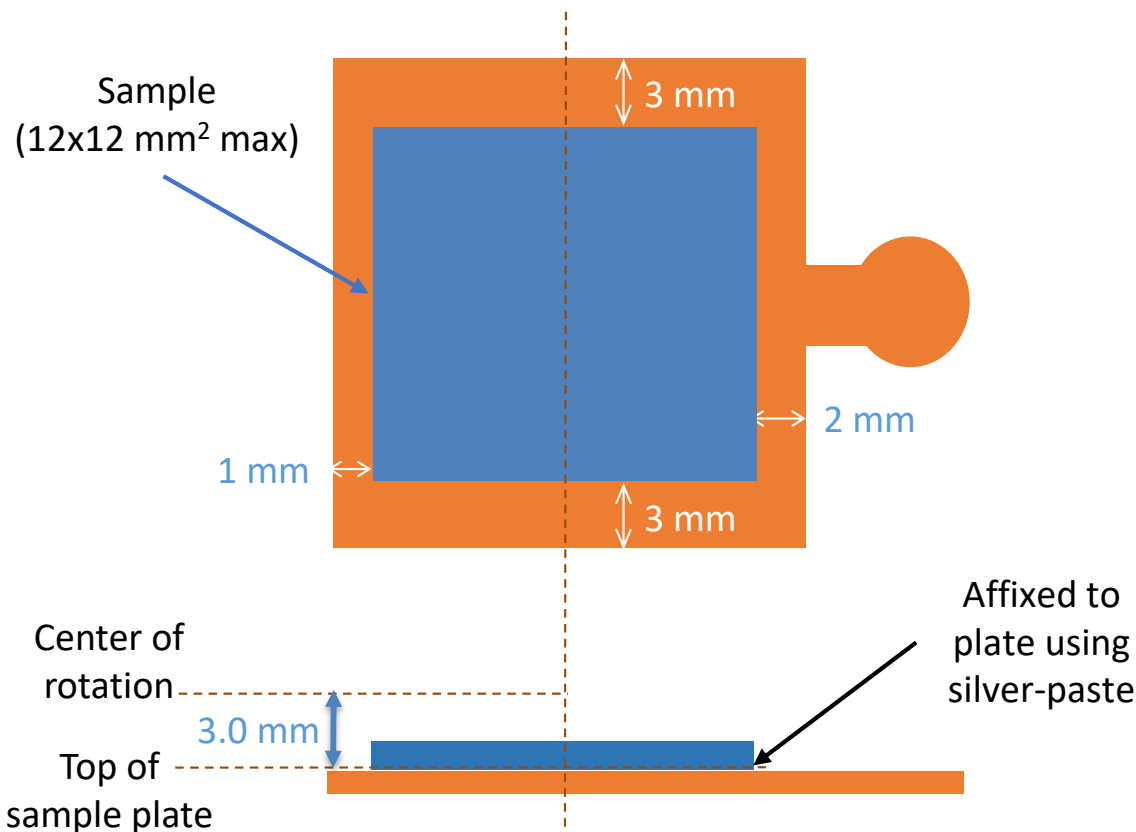
3.0 mm

ARPES Sample Mounting – Thin films

Flat sample plate (Cu):

If sample surface is not at center of rotation:

- for uniform it is not a big deal;
- for inhomogeneous samples then care needs to be taken to stay at the same spot on the sample (more alignment, but not a deal breaker).

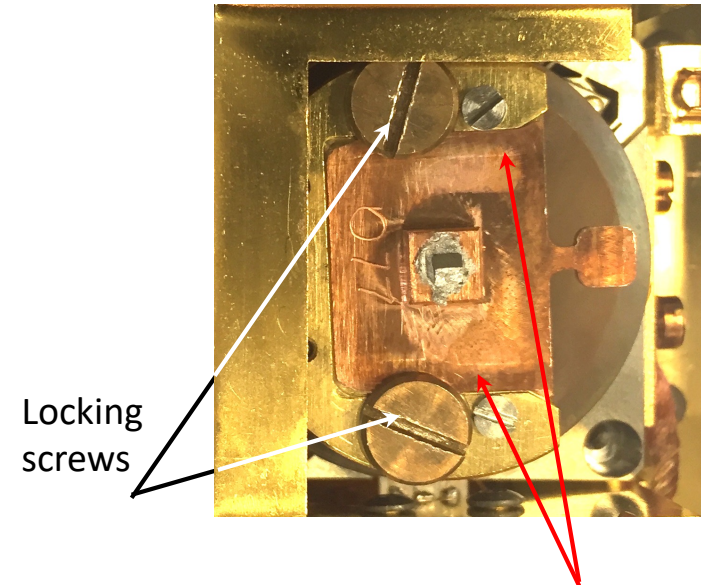
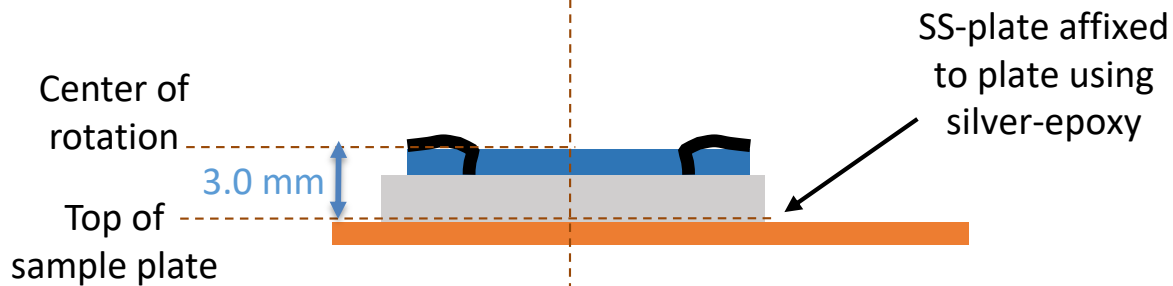
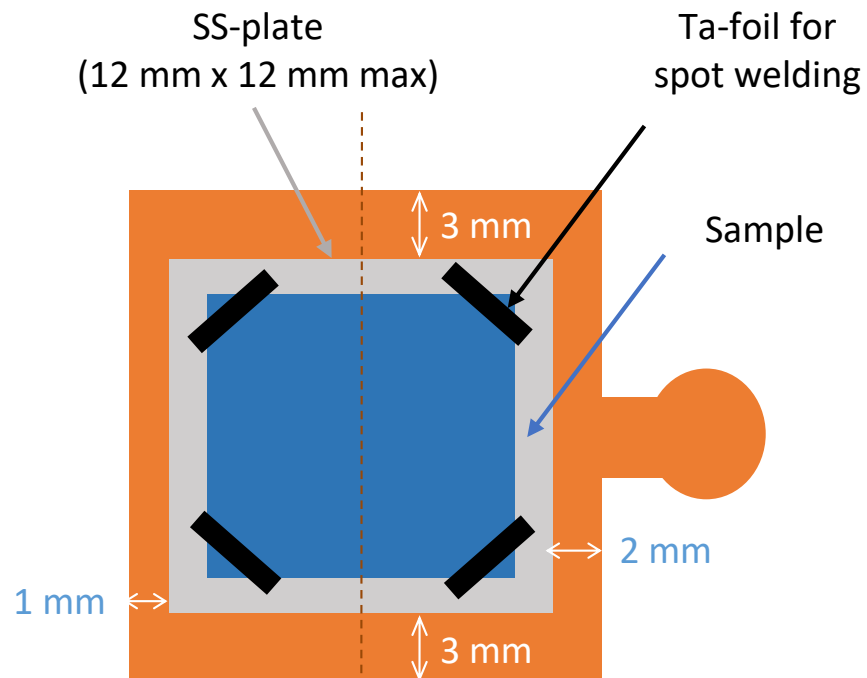


The scratches are from the sample receiver in the load-lock. If anything extends past the usable 12mm x 12mm area, **your sample will break/fall or the plate will get stuck.**

Also note that **silver paste needs > 24hr to cure at room temp** or they outgas in the vacuum chamber.

ARPES Sample Mounting – Thin films

Flat sample plate (Cu) with additional SS plate:



The scratches are from the sample receiver in the load-lock. If anything extends past the usable 12mm x 12mm area, your sample will break/fall or the plate will get stuck.