

Cam lock for 7x10 Tailstock

Block 1 can be any material. I am going to use 3/8 aluminum plate.

Block 2 Same

Block 3 1/2 aluminum plate

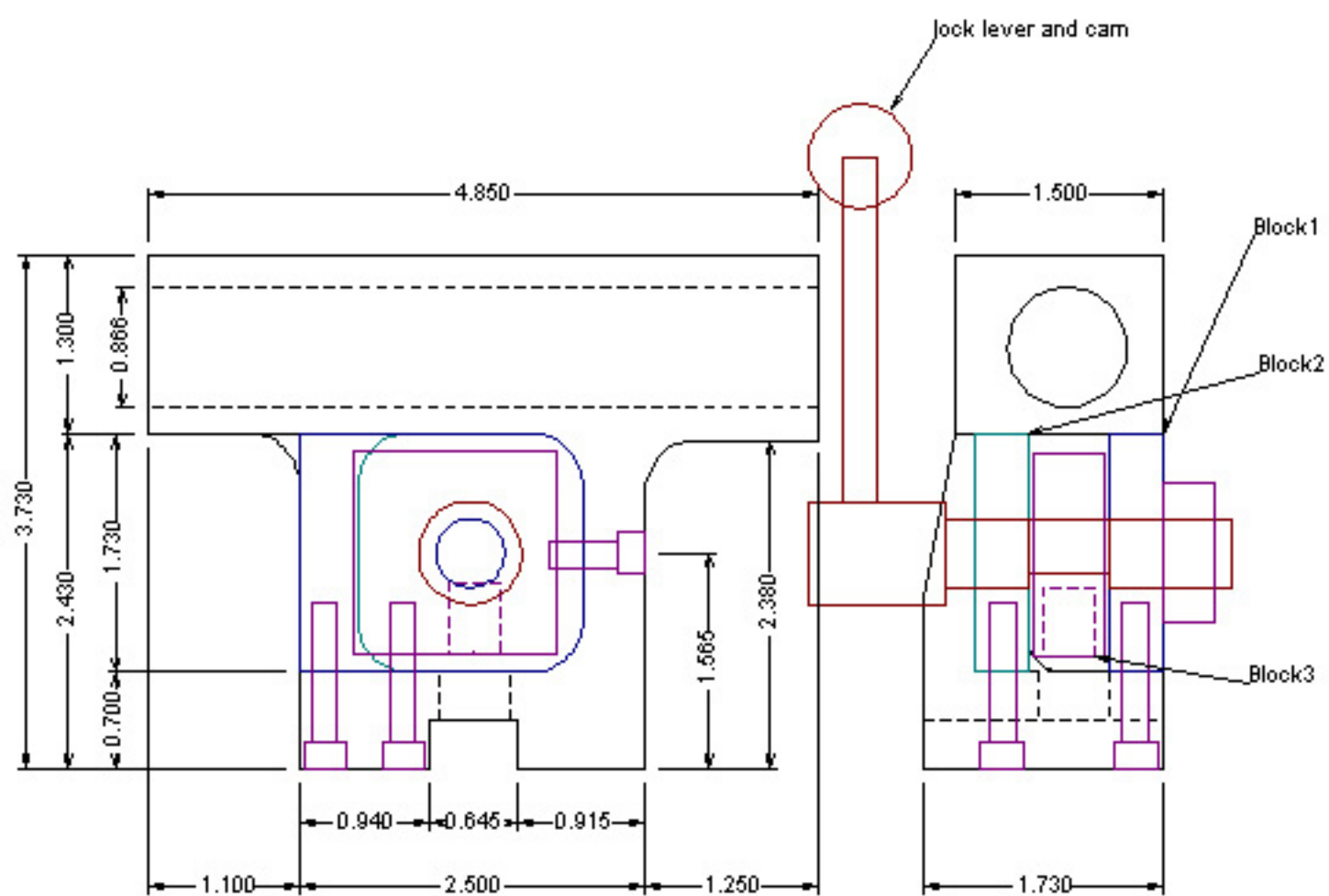
Cam 3/4 steel turned to 1/2 for the main body in the 4 jaw chuck.  
After turning to 1/2 offset 1 pair of jaws .100  
for the .577 area in the center this will give you  
the cam action.

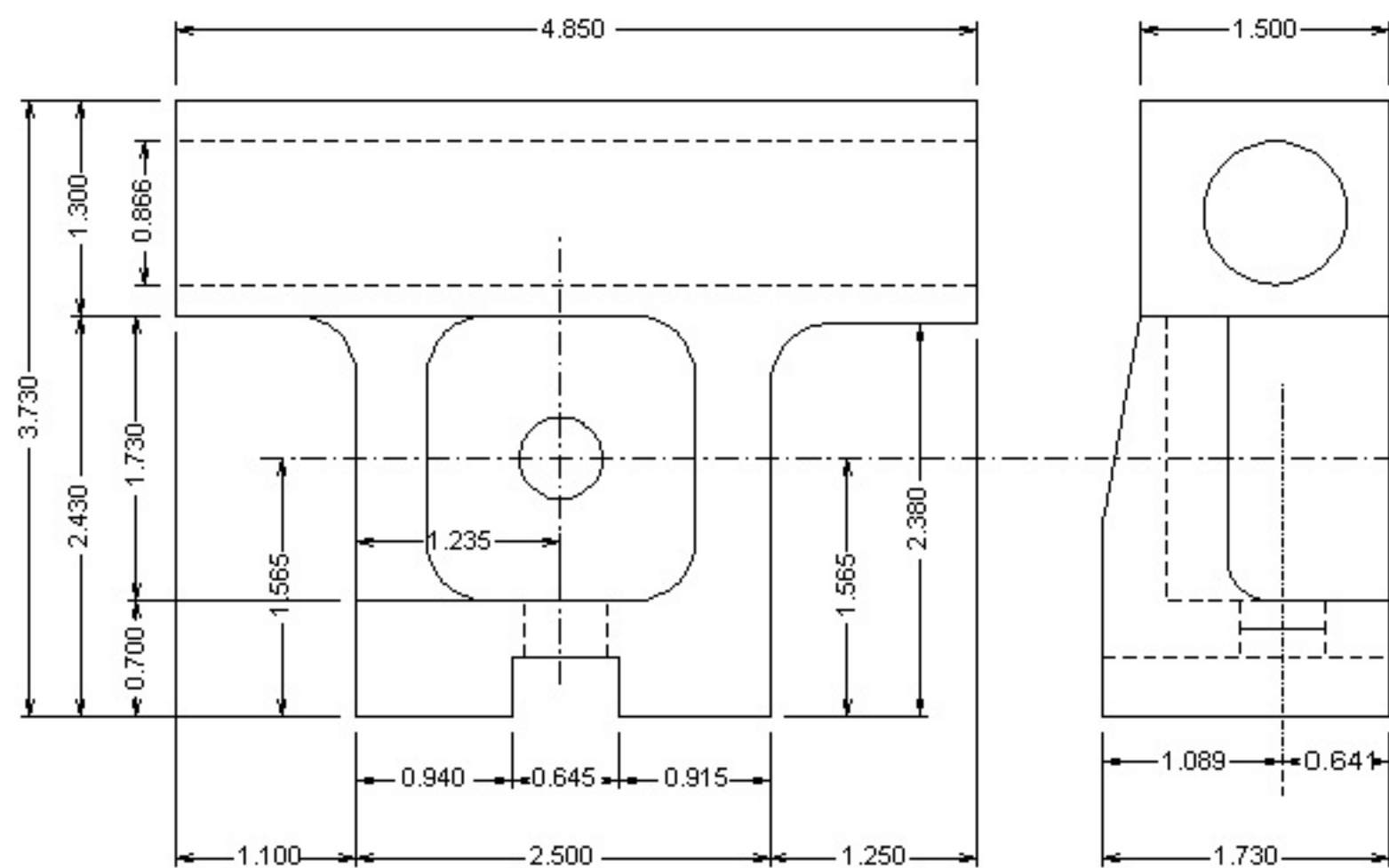
Lever i am going to use 1/4 steel rod threaded 1/4-20 on both ends  
threaded into the cam on one end and a knob on the other.

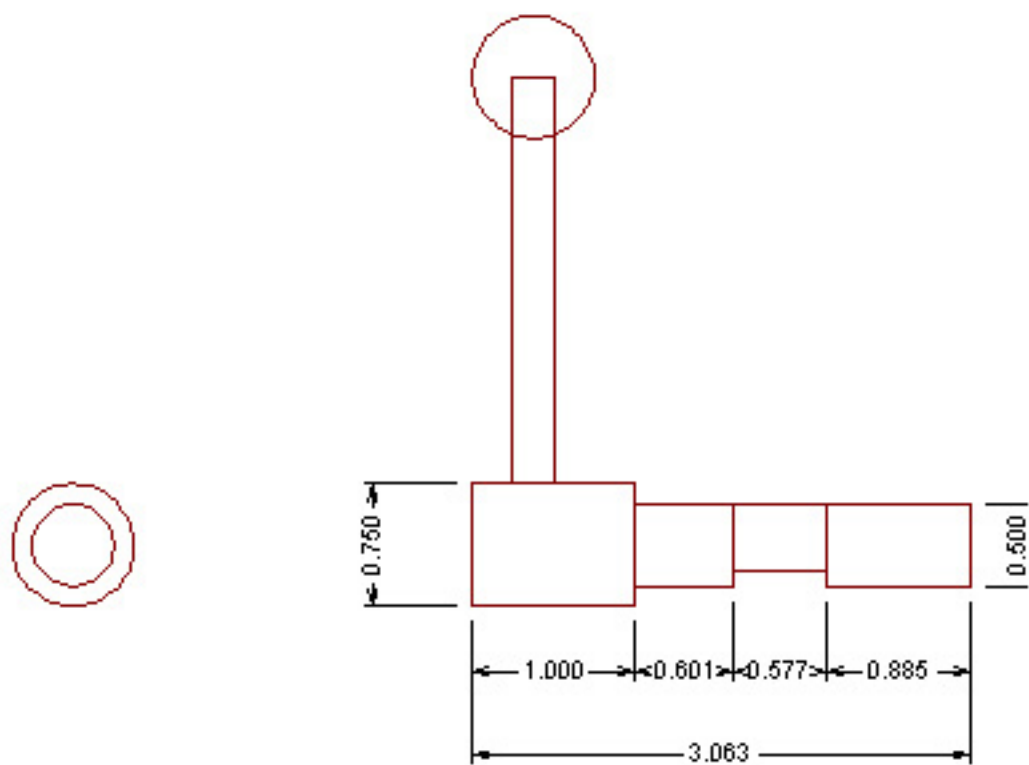
For everything to work all surfaces will have to leveled in the mill  
I am going to use a 3/4 end mill to preserve the existing  
radius. The #1 and #2 blocks will be mounted with 10-32 screws  
1" on the bottom and the heads sunk in. 3/4 of 1/2 in the back.

These are preliminary drawings as several have expressed not liking a  
wrench attached to their right hand while working I have prepared these  
as concept drawings for all to work with.

JWE

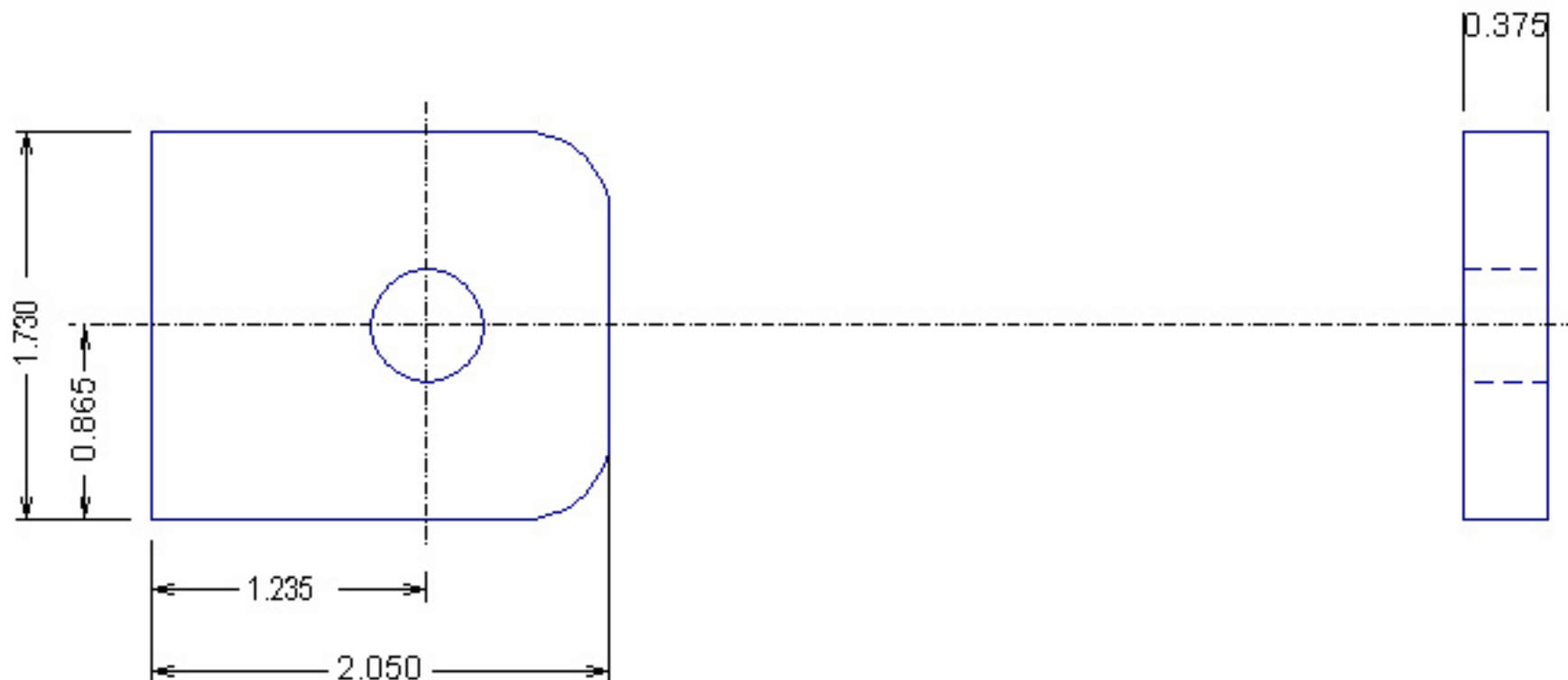




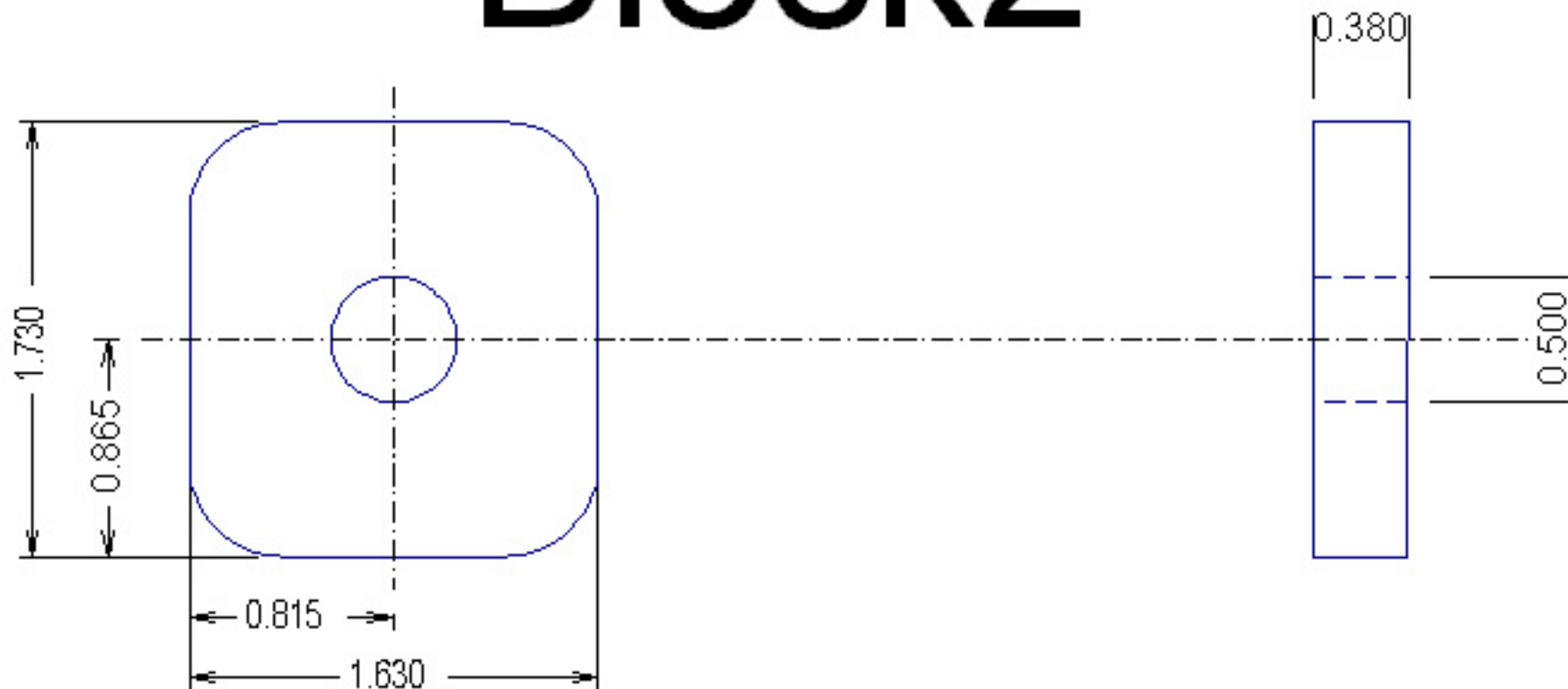


**Lock Lever**

# Block1



# Block2



# Block3

