

Custom Mounting Bracket - I then made an aluminum bracket for the spotting scope, to extend backwards, to allow centering of the whole apparatus onto the tripod, and to also allow additional mounting support for the Camera-Smartphone mount, so it was not just hanging in an unstable position off the spotting scope lens.

This bracket was just made from aluminum stock, 1 and 1 / 4 inch wide, and about 1 / 8 inch (+) thick), whatever home depot had. I used my trusty DREMEL DRILL, with a cutting wheel, to cut out two channels, (one in front, for mounting the spotting scope, and one in the middle, for mounting the tripod mounting block), front one about 1 / 4 inch wide to accommodate the 1 / 4 inch bolt, and the middle one was about 5 / 16 inch wide to accommodate the sliding "T" nut described below, to mount the tripod mounting block to this bracket.

With this set up, and the SmartPhone mounted, I was able to zoom on targets at 200 YARDS and see very clearly ! It was amazing, with no squinting. And, with the camera ON, we could take pictures of each shot (or group of shots) if desired, to go backwards and see prior shots if we were not sure.