

Redesign of the Crank Yoke

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02/05/2008

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If ya got it, use it

Gingery designed the crank yoke assuming minimal machining capabilities. The rules change when you have a mill/drill and full size lathe. Rather than piece the yoke together with 1/2" square bar stock and cast end pieces, I have chosen to cut it from a single block of 1018 steel. I also spent the extra money to use ball bearings top and bottom plus a ball bearing follower in the slot.

I show the slot as 1.000" wide but will probably make it a little wider to permit the follower to roll as it moves.

It will be a while before I start on this part so if you see something wrong or less than optimal, please let me know.

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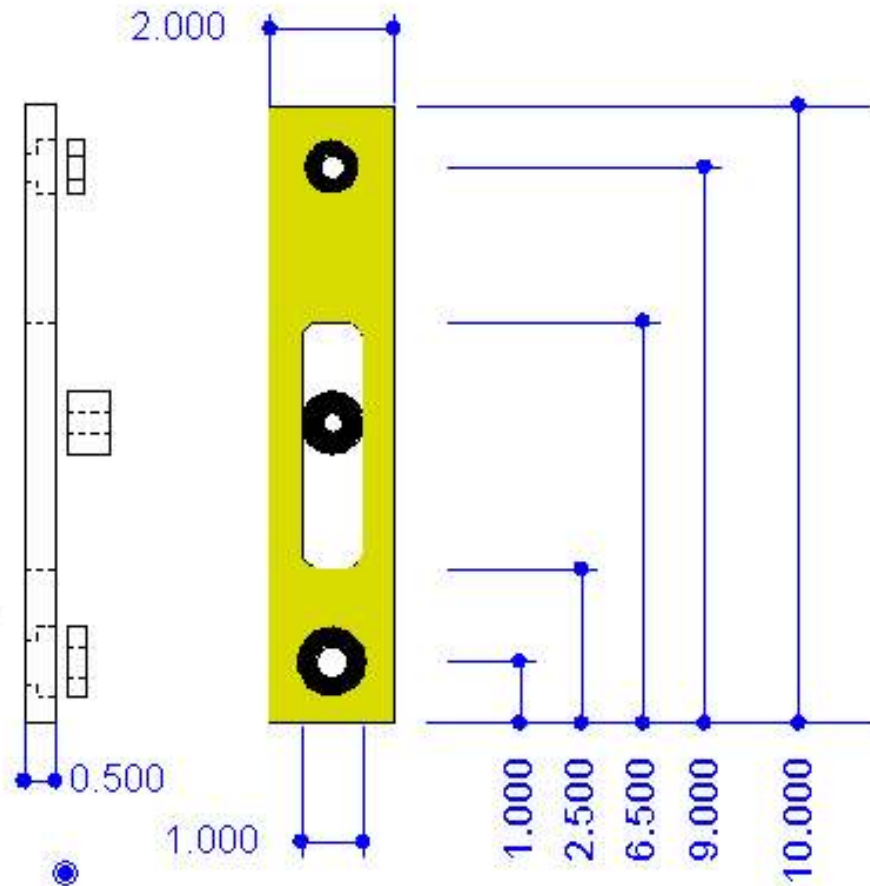
The Crank Yoke

bearing is 7/8" OD,
3/8" ID, 0.280" thick

follower is
1" OD, 5/16" ID,
0.683" thick

bearing is 1 1/8" OD,
2" ID, 0.312" thick

secure top and
bottom bearings
with 10-32 screws



use 5/8" cutter on slot