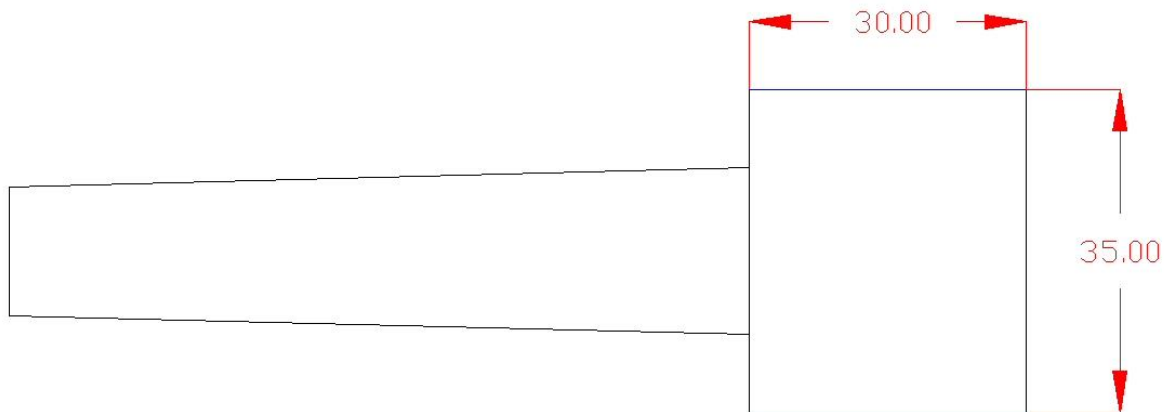


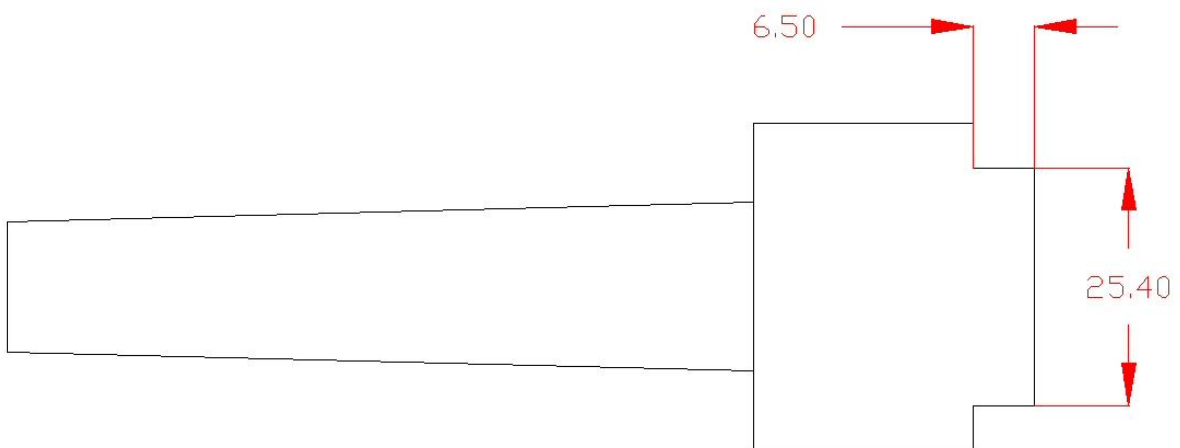
Low profile slitting saw arbor from MT2 Blank End Arbor.

I started with a MT2 Blank End Arbor 40mm Dia x 30mm Long - (M10 Thread) purchased from Arc Euro Trade in the UK (<http://www.arceurotrade.co.uk/>). A drawbar is required. I made one from a 10 mm rod, threaded M10 on both ends. A length of M10 threaded rod (allthread) could be used instead.

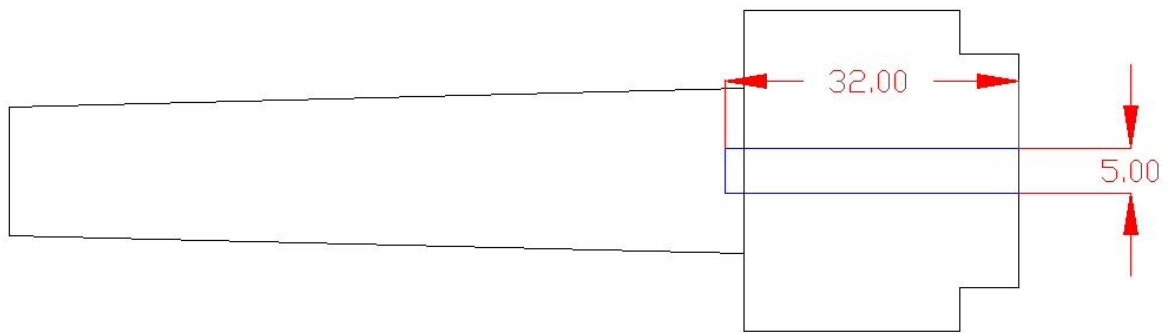
Step 1: Mount the MT blank in the lathe and machine the blank end down to a diameter of 35 mm. This is to provide a slightly increased potential depth of cut for the slitting saw.



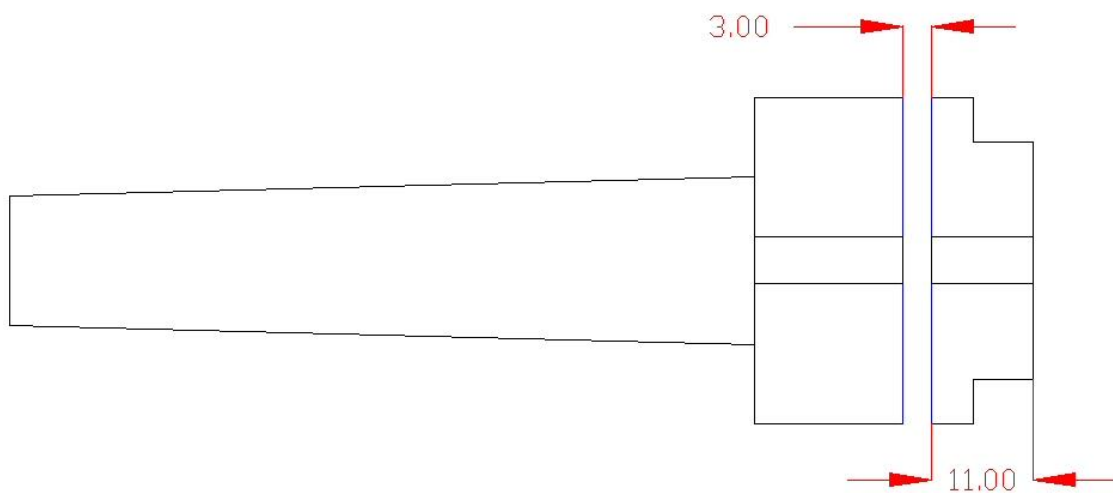
Step 2: Machine the front of the blank end down to 25.4 mm/1" (or for a snug fit in the slitting saw blade to be used with the arbor) for a distance of 6.5 mm.



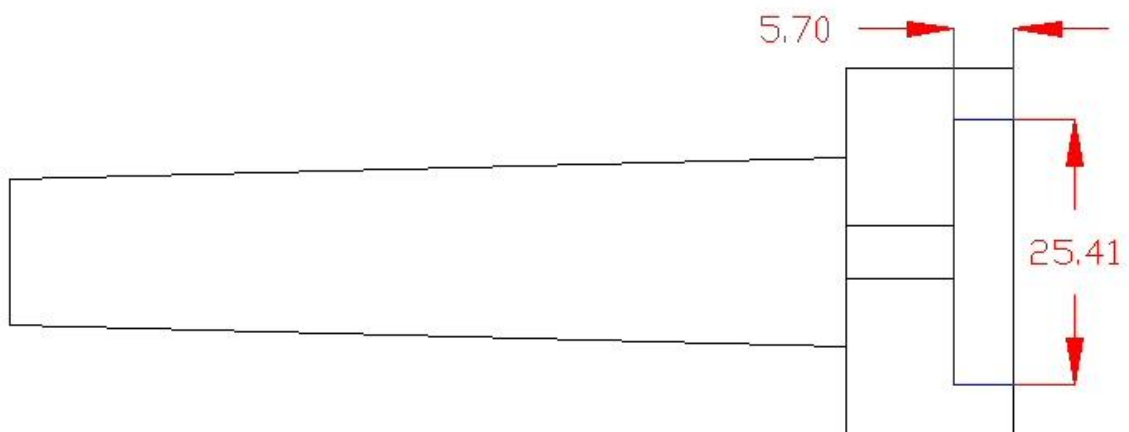
Step 3: Mount a 5 mm drill bit in the tailstock chuck and drill to a depth of 32 mm.



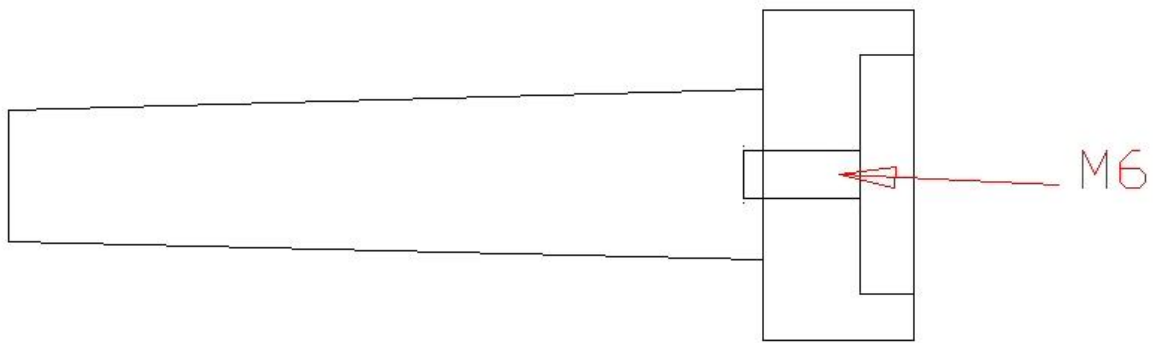
Step 4: Part off the front section (destined to become the cap) 11 mm from the front.



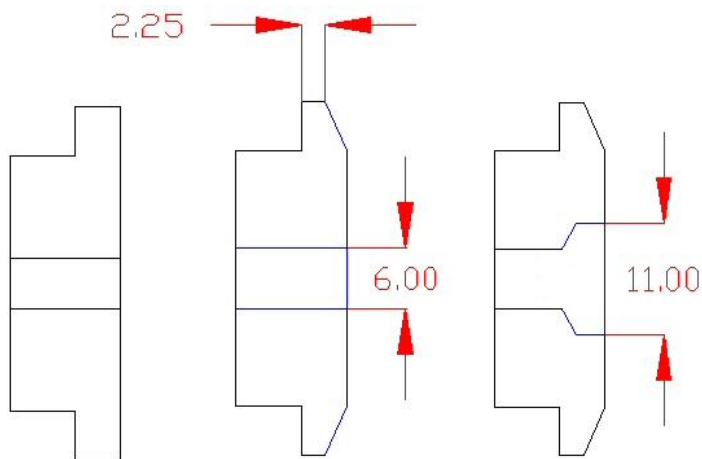
Step 5: Bore a 25.4 mm / 1" recess in the arbor, 5.7 mm deep. Test frequently when approaching 25.4 mm, the end cap should be a snug fit in the recess.



Step 6: Tap the center hole M6 to receive the mounting screw.



Step 7: Reverse the end cap, mount in a chuck and enlarge the 5 mm hole to 6 mm. Then chamfer the front and countersink the front end (to accommodate the fixing screw). I used an 11 mm drill. Drill the recess to accommodate whatever screw you will be using.



Step 8: Affix the slitting saw blade in place with a hex-socket countersink screw. If desired, flats could be filed or milled on the arbor head or it could be knurled to provide a good grip when changing blades.

