

0.5mm of material is cut away from the side face of the block for a 8.8mm distance from one end. until all the material for that distance is removed.

Next, ~~0.5mm~~ The diameter of the block was measured using a micrometer. This apparatus uses a vernier scale to give highly accurate measurements. The diameter measured was 44.85mm.

~~The block~~ By looking at the technical drawing, Figure 1, the next logical step was to remove material from one side to create the 23mm shoulder.

So, the block was reinserted into the lathe. The cutting tool was brought to the ^{side} face of the cylinder block while the machine is on. The diameter measurement is then inserted into the ~~computer~~ digital readout system.

Then ~~I~~ I began to cut away 0.5mm ^{at a time} of material for 22.5mm from one ~~side~~ end of the block. I continued to do so till the diameter reached 35mm.

End of Session

The day's session in the workshop and on the lathe was a success. The introduction to the lathe was helpful and my skills on the machine are improving. ~~Also~~ ~~health~~ See figure 3 ~~to~~ for the total progress achieved after the first session on the lathe. ~~Also~~ There were no health and safety issues during the session.