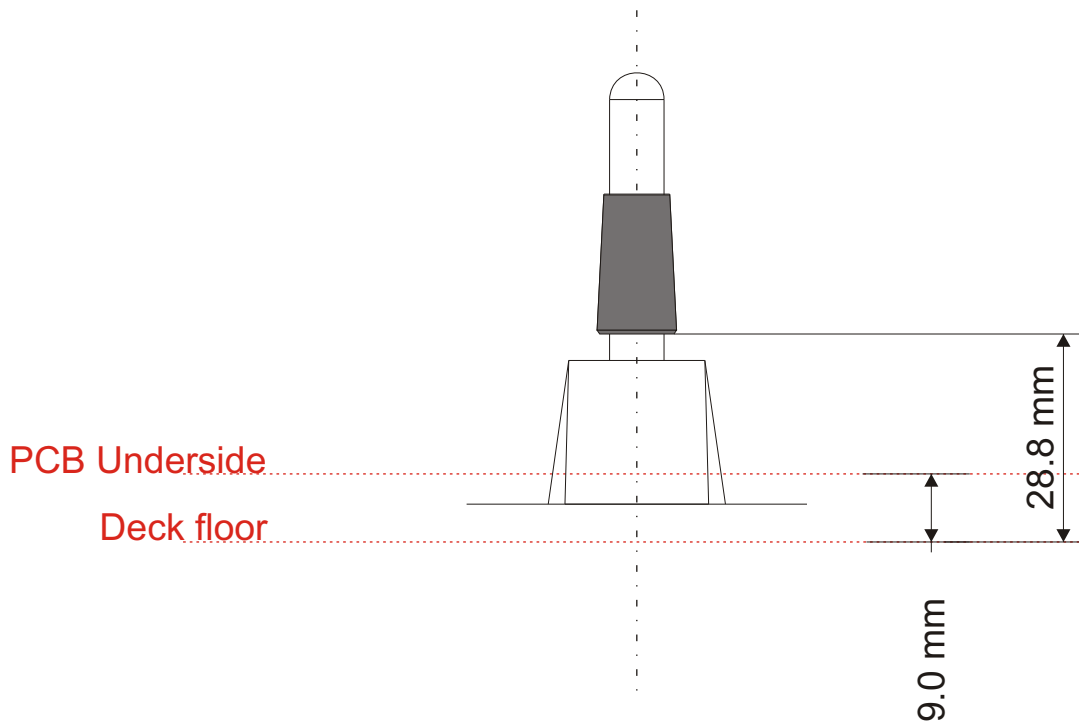


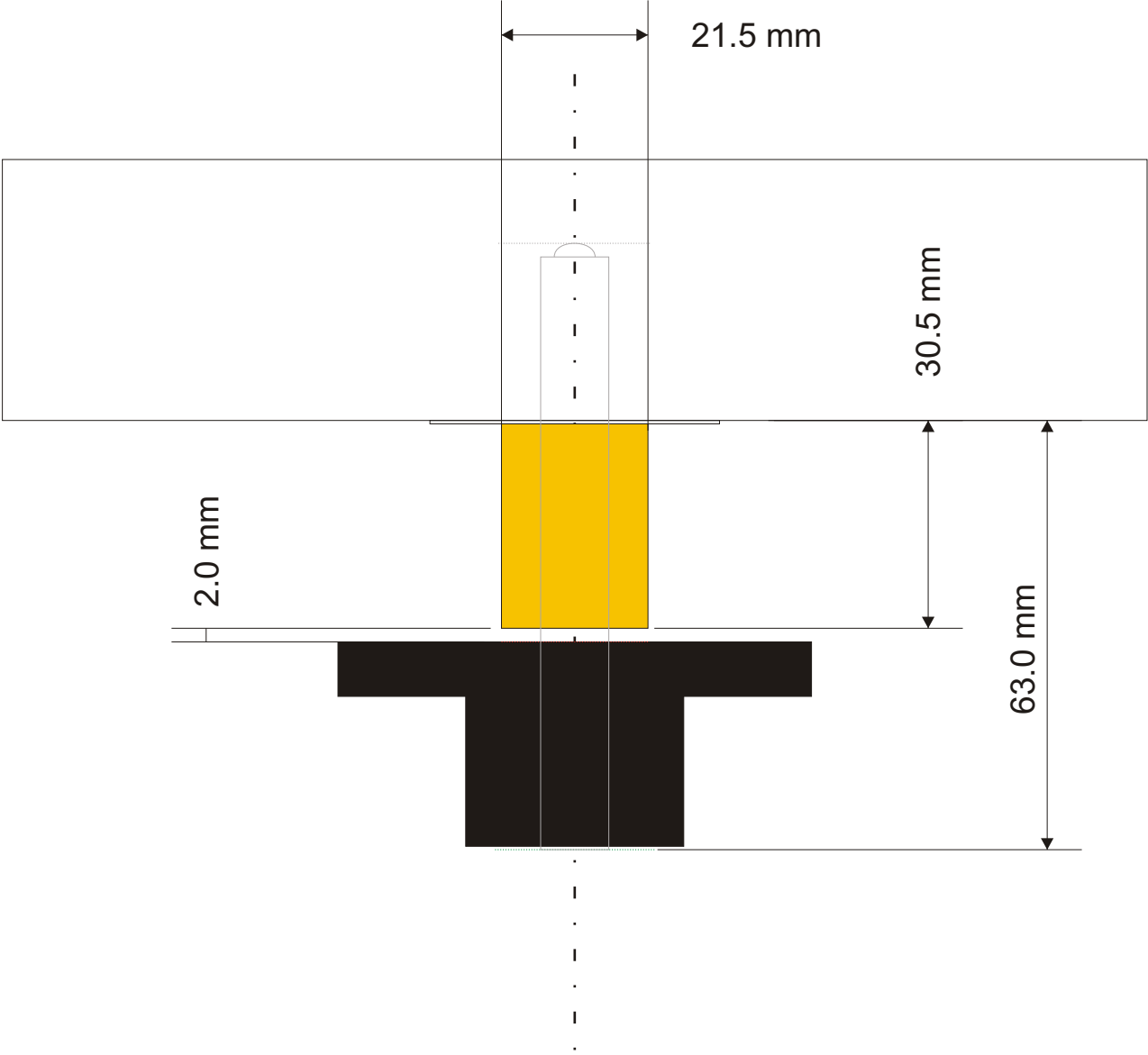
# Feasibility Study of Fitting a Pro-Ject RPM9 Platter and Bearing to a Technics SL-1200 II Direct Drive Motor Assembly.

First Task is to measure and draw all the relevant parts

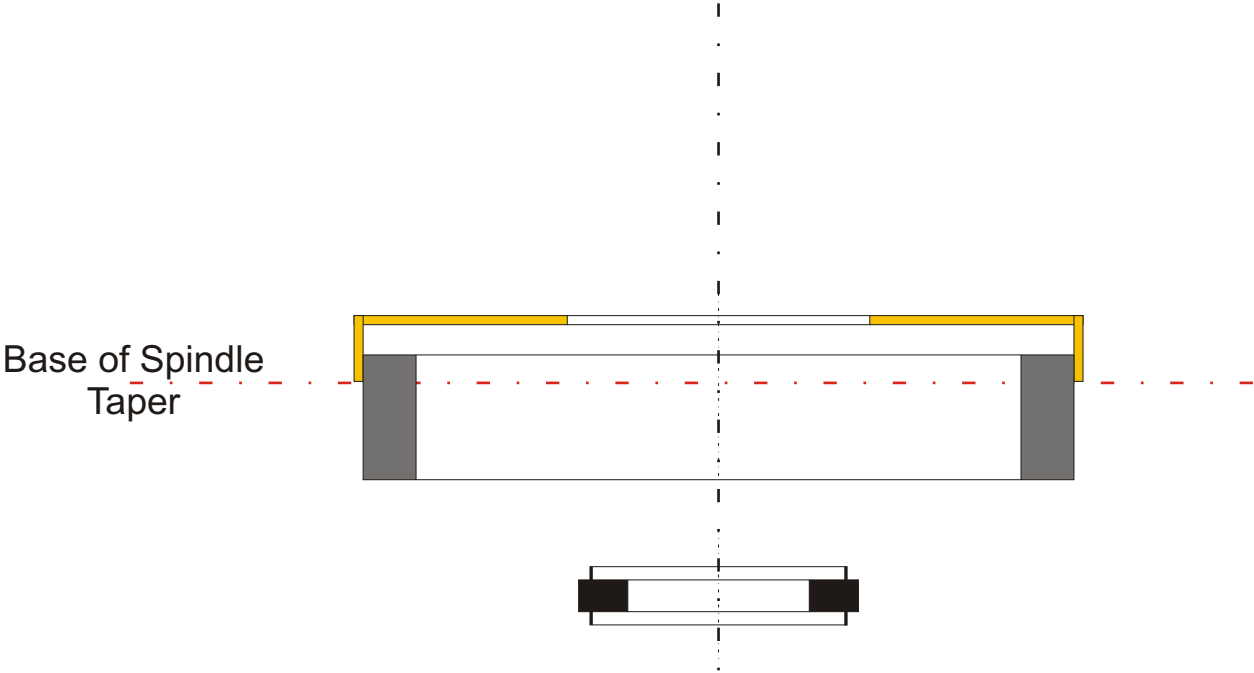
## Technics SL-1200 II Spindle Assembly



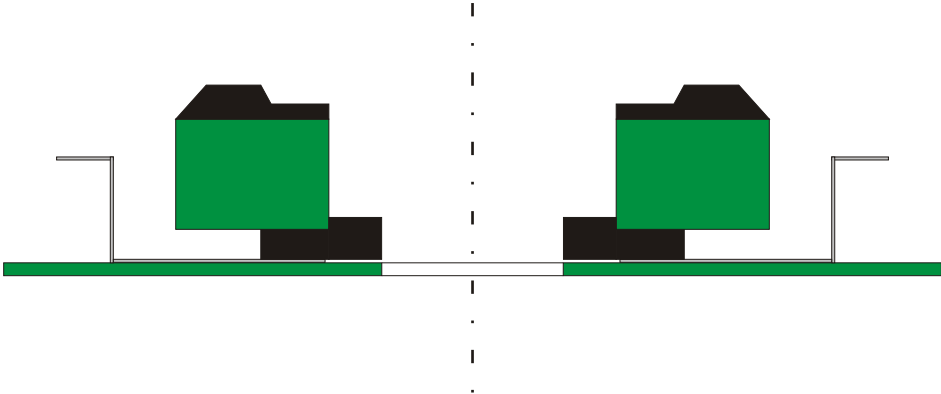
# Project RPM9 Platter/Spindle Assembly



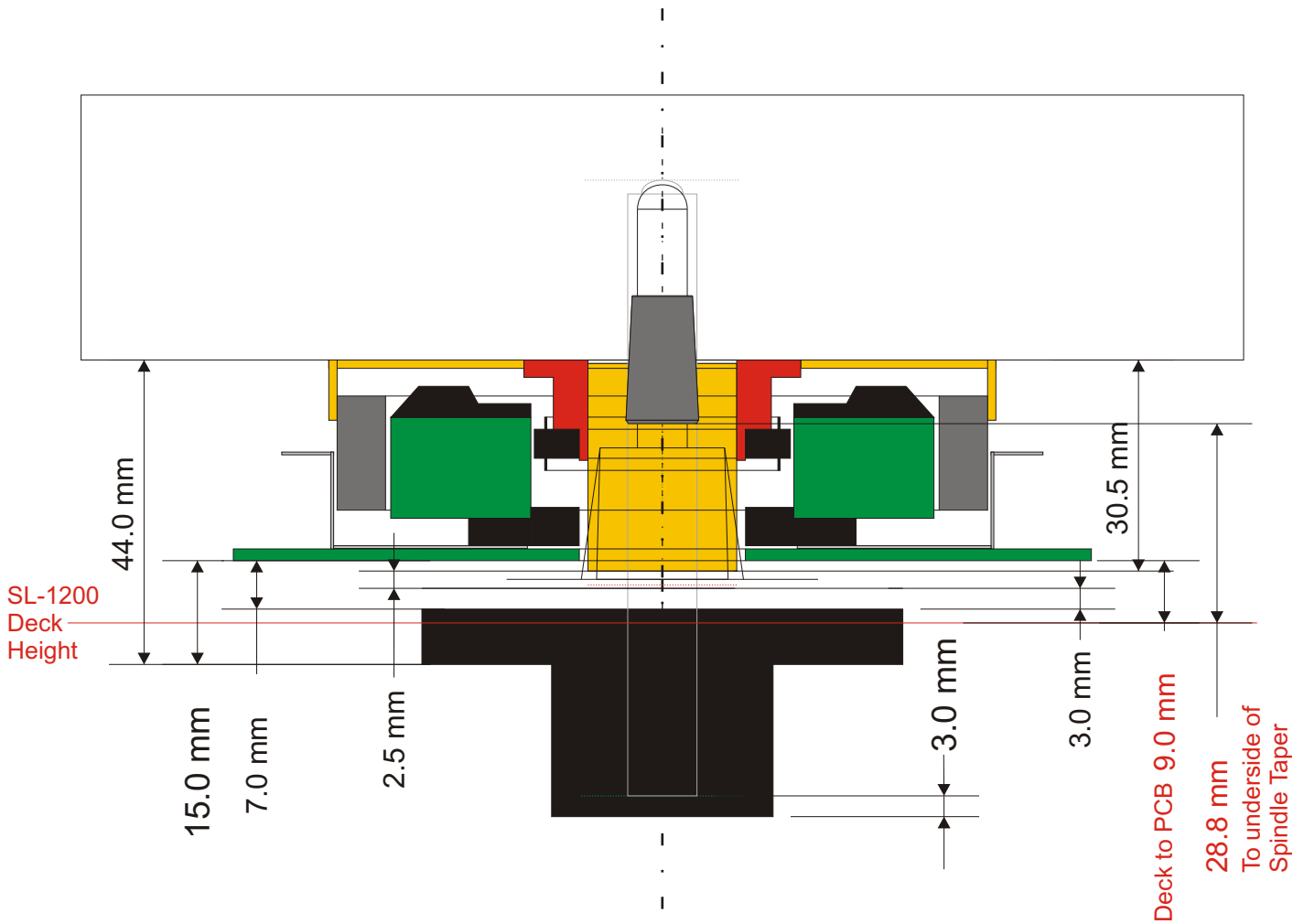
# Technics Magnet Assembly



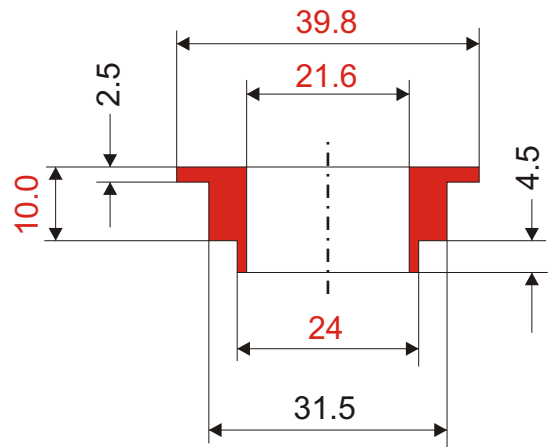
# Technics Motor Assembly



# ProJect/Technics Assemblies Overlaid



The dimensions in Red are the critical ones.  
 The diameters are to be sliding fit on/in parts to be supplied. Eg. the bore diameter of 21.6 is a guide for a sliding fit on a 21.5mm shaft.  
 The height of 10.0mm can be +/- 0.2mm.



First impression is that there are a lot of similarities and sizes look compatible. Also that the Technics Motor has extremely small gapping between moving parts, that will require a high degree of accuracy when centring components. It would appear that by raising the ProJect Spindle position in it's mounting boss by 3.0mm there will be sufficient clearance for the bush bearing on the Platter to rotate and everything else will align at the correct height. The component in Red is a locating boss for the Magnet and Position Detection Hub. This part will have to be turned due to the critical nature of it's accuracy, in centring these parts on the spindle bush/motor Assembly.