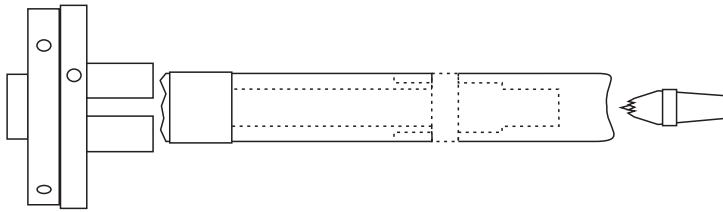
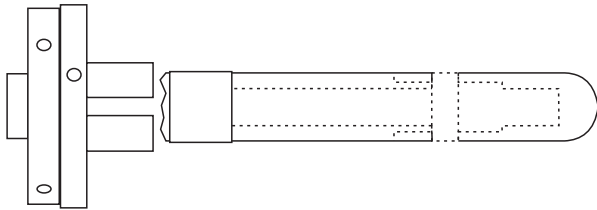


Needle Box

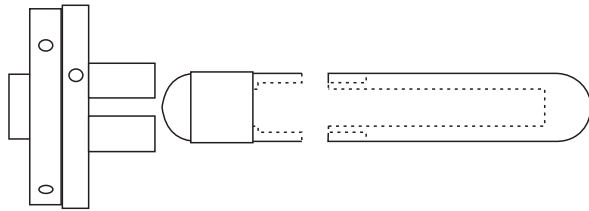
This plan is to make a needle box from wood, oven baked polymer or recycled HDPE plastic. Start with a block of material that is larger than 20 x 20 mm thickness and 120 mm long. Mount this between centres in the lathe and turn it to 18 mm diameter. Sand and finish this surface.



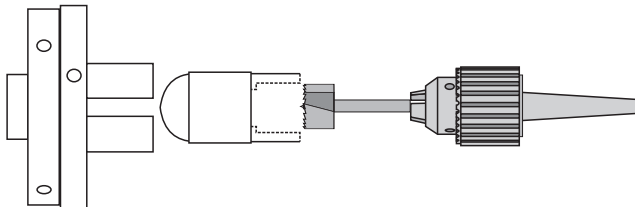
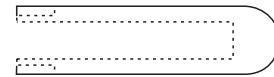
Mount the work in a chuck with long pin jaws. Wrap the chuck end in card or a piece of plastic tube to stop the chuck from marking the work. Bring up the tailstock to get good alignment.



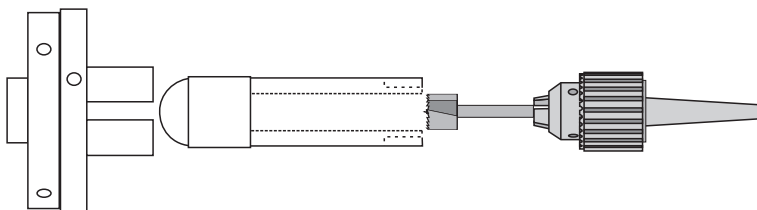
Cut the outer end to a curve. Sand and finish this area.



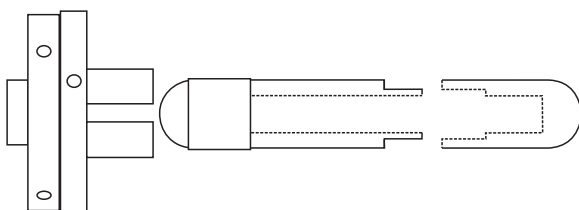
Turn the work end for end. Move the chuck protection to the other end of the work. Turn the outer end to a curve. Sand and finish this area. Part the longer 72 mm end from the shorter 39 mm cap. Set this longer end aside.



Drill a 14 mm diameter hole 12 mm into the remaining part. Then drill a 10 mm hole a further 15 mm in. Take this part out of the chuck.



Mount the longer part in the chuck. Continue using the chuck protection piece. Drill a 10 mm hole 60 mm into this part.



Cut into the outer end of the work to create a 10 mm long flange for the short part to fit onto the longer part. Sand and finish these surfaces.

