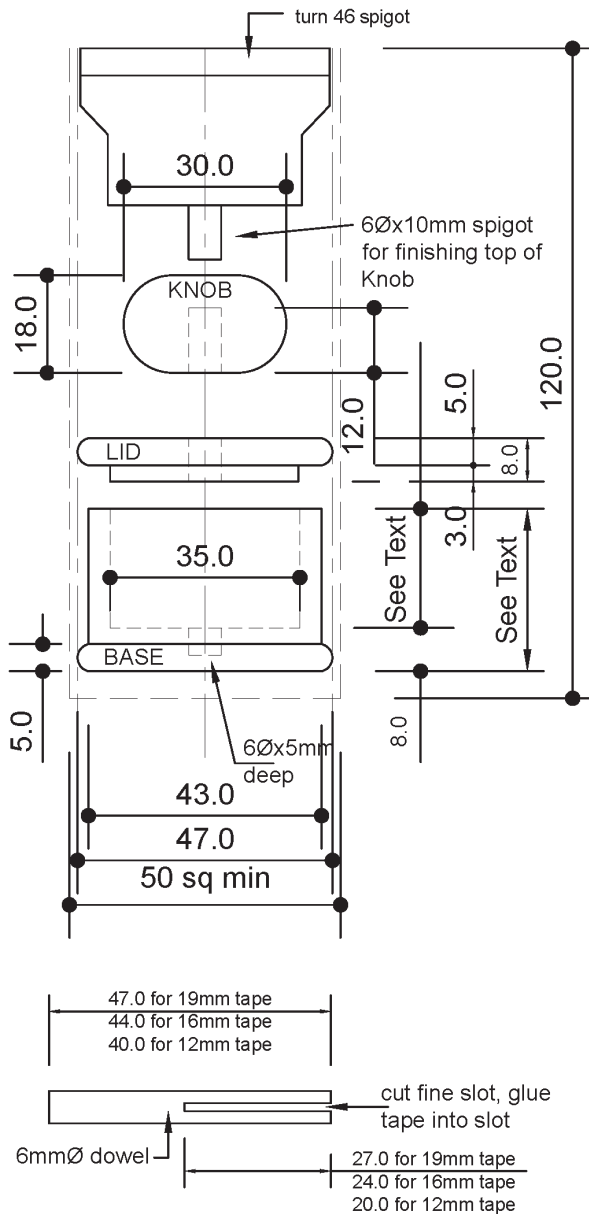


Bahat's Tape Measure Holder

This project plan caters for three differing widths of one metre long vinyl-coated cloth measuring tapes. Measure the width of tape you have and make the holder to fit.



Start with a block at least 50mm square x 120mm long. Mount it between centres and turn a 46mm spigot on the headstock end.

Mount it in a 50mm chuck and bring up the tailstock. Turn it to 47mm diameter for the outer size of the base and lid. The body, between base and lid, is 43mm diameter. Remove the tailstock and finish the bottom.

Body. Part the body and base from the lid: 33mm long for 19mm wide tape 30mm long for 16mm wide tape 26mm long for 12mm wide tape. Jam chuck this body and base, or hold it with a chuck, and drill a 35mm diameter hole: 25mm deep for 19mm wide tape 22mm deep for 16mm wide tape 18mm deep for 12mm wide tape. Then drill a 6mm diameter hole x 5mm deep in the bottom. Cut a fine slot in the side of the body the same depth as the 35mm diameter hole.

Lid. Drill 6mm hole thru lid. Turn a 3mm long spigot on the under-side of the lid to fit inside the body. Shape the top of the lid flat and part off. Jam chuck by the spigot to the body or waste block and finish the top flat.

Knob. Turn down to 30mm diameter. Drill a 6mm diameter hole x 12mm deep. Shape to suit your requirements. Part off. On the block left in the chuck turn 6mm diameter spigot and jam chuck the knob onto it, finish turning the top of the knob.

Dowel. Prepare the dowel as shown.

Assembly. Glue the dowel into the knob. Slide the lid up the dowel to the knob. Bend the metal inner end of the tape so that it will go through and then wrap around the dowel. Then glue it to the dowel. Pass the tape through the slot in the side of the body and seat the lower end of the dowel into the hole in the base. Seat the lid onto the body with a little glue to keep it there. Turn the knob to wind the tape into the body.

