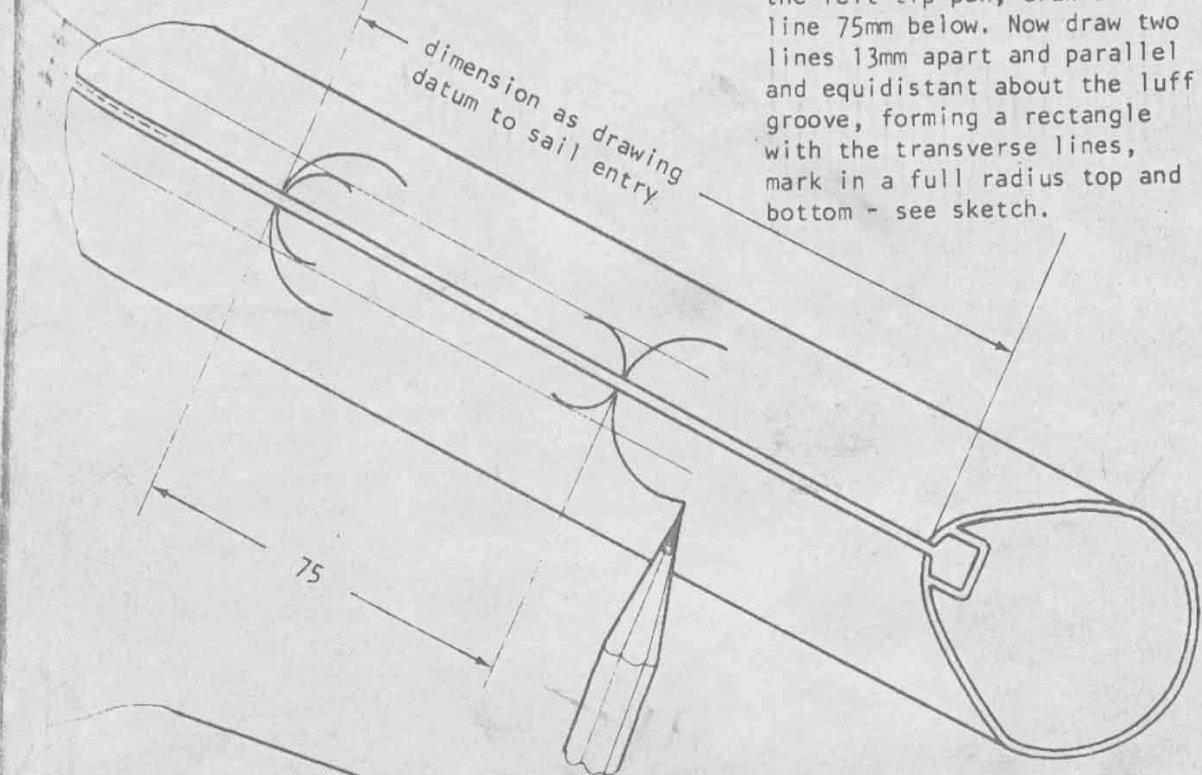


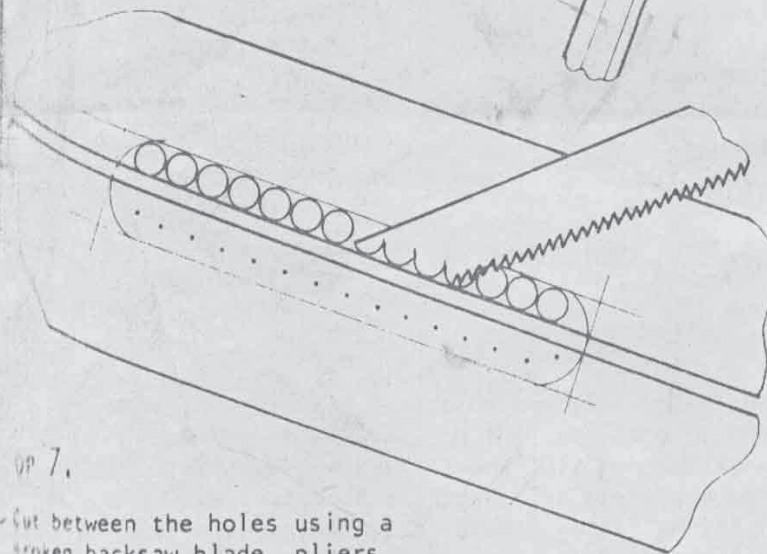
OP 5.

Cutting in the sail entry is the next job, mark up from the heel datum to the height of entry required and mark with the felt tip pen, draw another line 75mm below. Now draw two lines 13mm apart and parallel and equidistant about the luff groove, forming a rectangle with the transverse lines, mark in a full radius top and bottom - see sketch.



OP 6.

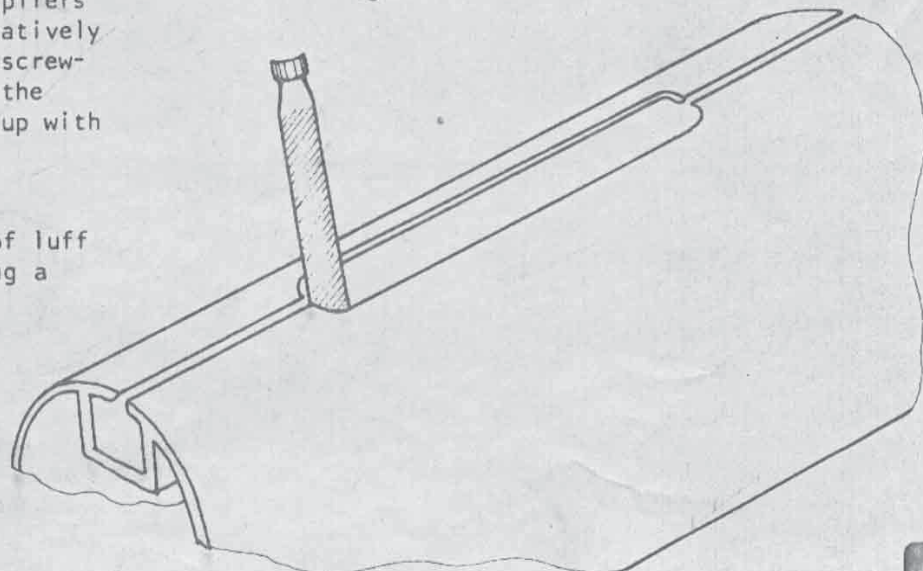
Mark a series of centre punch dots around the rectangle set in from the line by  $\frac{3}{32}$ " and at  $\frac{3}{16}$ " pitch. Drill out with  $\frac{1}{8}$ " dia. drill taking care to avoid cutting into the back and side faces of the luff box.

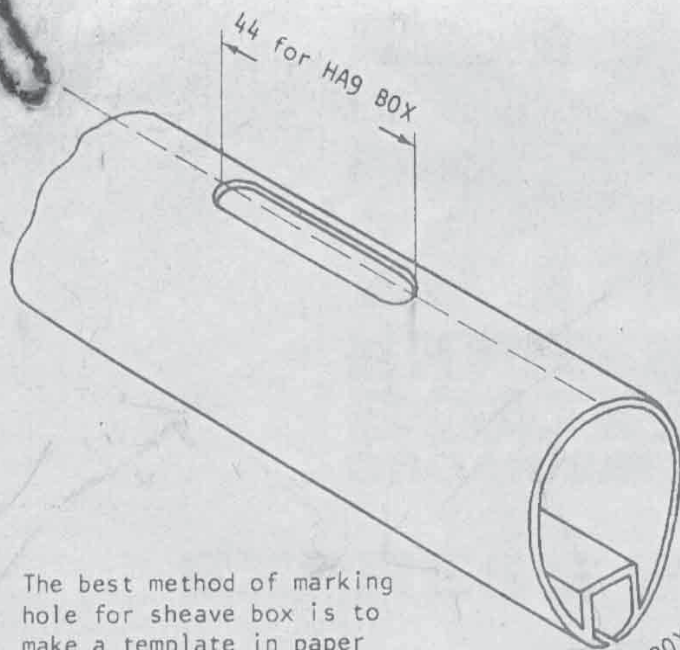


OP 7.

Cut between the holes using a broken hacksaw blade, pliers and round file. Alternatively use a sharp chisel or screwdriver to cut between the holes before cleaning up with file.

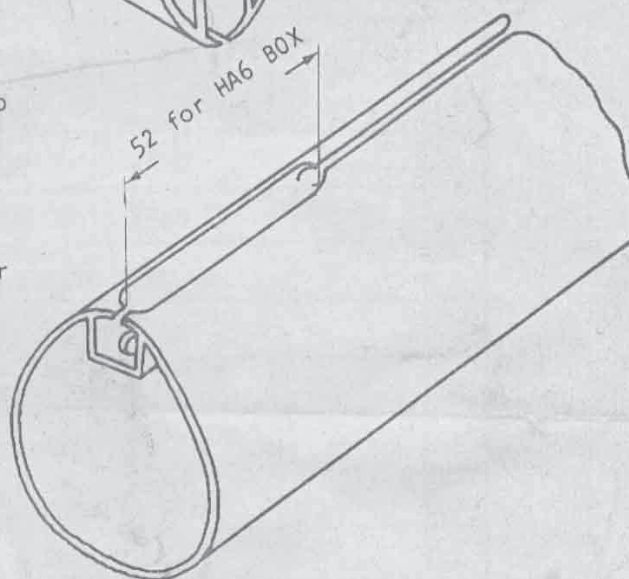
To avoid damaging or scratching rear face of luff box it is worth sliding a piece of card or metal inside the groove.





The best method of marking hole for sheave box is to make a template in paper or cardboard to correct size, and then transfer to mast.

Having marked mast, tape round outside of box with PVC tape so that should drill, file or screwdriver slip the mast will not be scratched.



#### OP 4.

Next job is to cut in the holes for the sheave boxes, this is carried out in a similar manner to the sail entry (OP 5, 6 & 7), the only difference being those boxes on the rear face of the mast will be cut through both luff groove surface and luff box web to allow access of the halyards to the inside of the spar. The boxes are marked out in exactly the same manner as the sail entry, always work from the heel datum, on the forward faces of the mast measure round from the luff groove on one side and then the other to establish the centre of the extrusion. This centreline is obviously the centre line used to construct the marked out shape for the boxes.

#### POINTS TO WATCH OUT FOR:

1. Slipping with screwdriver, file or rivet gun and scratching mast.
2. Take great care to mount all fittings square.
3. It is easy to enlarge a hole, but impossible to reduce it, so when cutting in sheave boxes make them a little on the short side. Remember also that they have rounded ends and so cut the hole to shape.