

up it produces a nice neat trailing edge that is for many vintage gliders.

Fig 42 shows a trailing edge that is very suitable for 18, Ka-8 or Ka6E. To produce this the ribs are to the base .4m/m plywood strip of the trailing edge width of which is around $\frac{1}{8}$. Between each rib

insert medium to hard balsa which should be cut slightly deeper than the trailing edge thickness. When dry we glue sand the balsa until it is in line with the rib contour. We add the top and bottom trailing edge. Making the balsa trailing edge. Make sure you transfer the base of the trailing edge strip to lay on exactly. With this trailing edge the ribs must be cut with .40m/m The maximum length of .40m/m plywood is 4ft. long. If the trailing edge is longer than 4ft, it is best to cut it together as type 'B'.

Fig 43 is shown a vintage trailing edge made from spruce joined to the ribs. All trailing edges are made this way, always making the joint on both the top and bottom. Doing this strengthens the joint. Finish the gussets and sand the edges on the front and back. Such gussets are seen under the wing when finished, the same as the vintage glider.

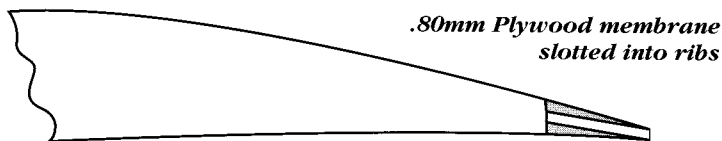
Now we have a trailing edge basically made from hard balsa. The trailing edge is slotted at the rib ends and is fully covered in plywood strips. This particular trailing edge was used on the IV Flying Wing and proved to be very strong. For details of this see fig. 44.

Another important detail is the trailing edges. We are making up a trailing edge as in fig.42

type 'B', because of the undercamber of the rib, a small amount of packing will be required to raise the front of the trailing edge strip to maintain contact with the contour of the rib. Be careful to maintain this contact especially in the aileron area where there will be extra packing to build in the washout.

Fig 42

Type 'A'

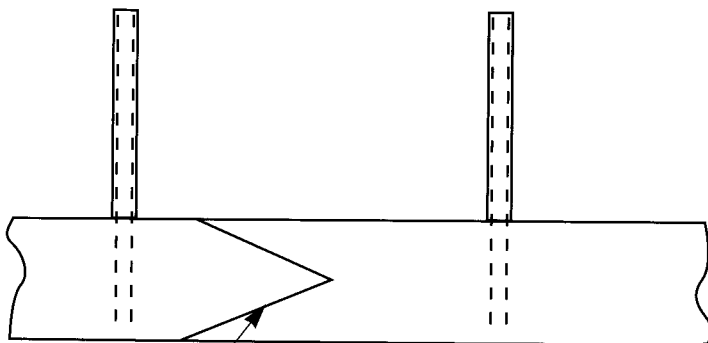
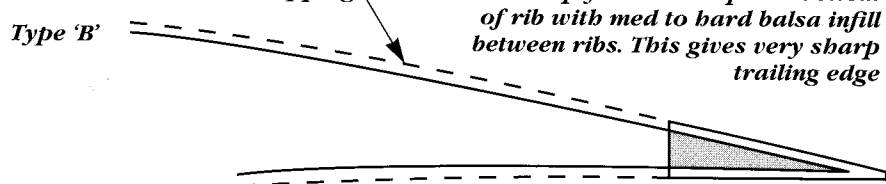


Med to hard balsa on top and bottom of membrane, carve inline with contour of ribs.

Type 'B'

Rib capping

.40mm plywood on top and bottom of rib with med to hard balsa infill between ribs. This gives very sharp trailing edge



Plywood Strip Joint