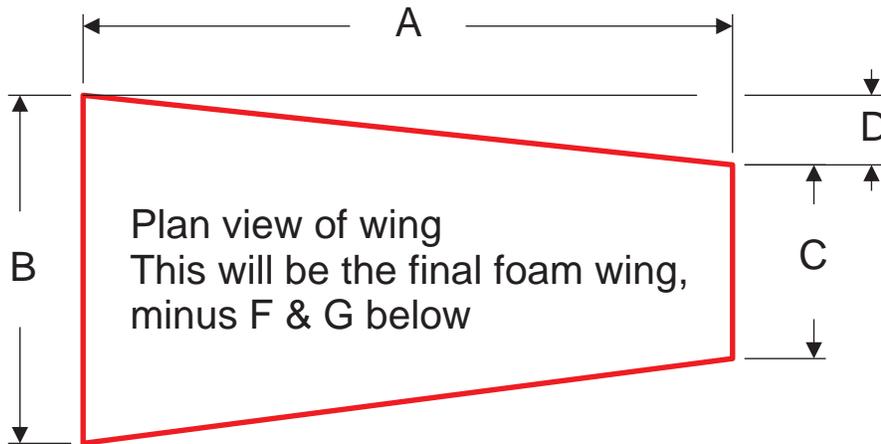


# Required dimensions for custom foam wing. (preliminary)

If any questions, contact [info@eurekaaircraft.com](mailto:info@eurekaaircraft.com)

Sending me your plans, (returned with wing) is always the easiest way.....

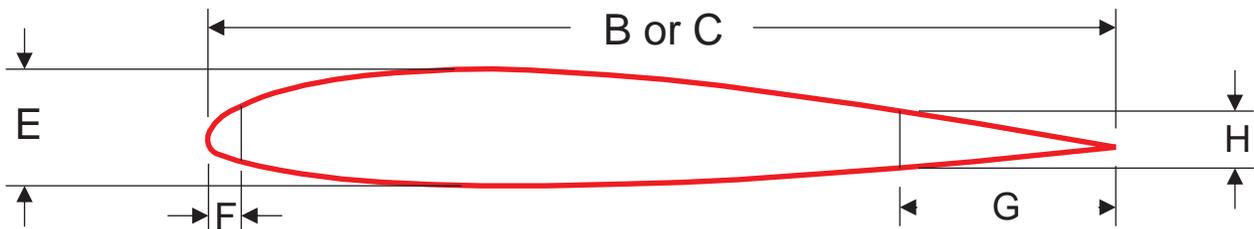


A = Panel Span (foam only, not with any wood tip)

B = Root Chord, including LE and TE/Ailerons, if possible

C = Tip Chord, including LE and TE/Ailerons, if possible

D = Sweep Back, Negative is forward swept wing, Zero if 'straight' LE.



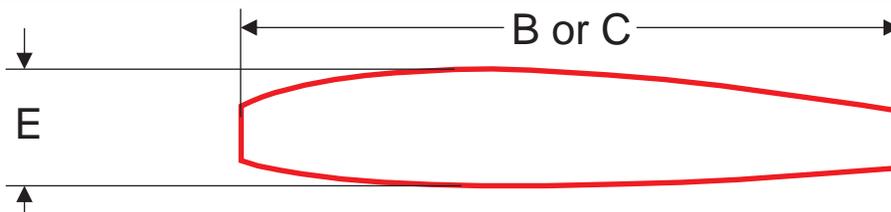
E = Profile at thickest point

F = Thickness of LE material, if any.

G = Thickness of TE material, such as wood TE and Ailerons

H = (optional) Thickness at cut of TE. If you want this to be a particular value, to match your TE wood, give this value. If it doesn't match actual airfoil dimension, the profile TE will be modified slightly to match.

Airfoil profiles, including LE and TE, if available, Both Tip and Root, if they are different. Just one if they are the same. If not sure include both. For a constant chord wing they are the same. This can be scanned from the plans, traced around a broken wing, etc. These should be given without sheeting. Be sure to let me know if it includes sheeting, and how thick sheeting. If you want a round LE to wrap sheeting around, or you want to cut the ailerons out of foam, give 'zero' for F or G. If you want to put a small piece of balsa at TE to prevent hanger rash, but still cut the ailerons out of the foam wing, give that dimension for 'G'



If you want foam to duplicate wood ribs, without TE and ailerons, or using a balsa LE, Include those dimensions as above. Some plans give this as the airfoil to cut out of foam. This can also be from tracing or scanning the wood ribs. Give the dimensions B & C in the plan view also.