Rock-hard horizontal-grain 3/16" balsa, sandwiched in 1/32" ply sheets.
Nylon nut is in slot, held with fibergla 8 lb balsa $5/16 \times 1 \ 1/2$ aileron stock **Bubble Dancer** optional stretch tip $1/4 \times 1 \ 1/4$ aileron stock Wing Structure Spar wrapped with 3K Kevlar tow (ACP), or 1K Kevlar thread (CST). Wet out with resin. cut out 0.025" weage____ for compound curvature inches M.Drela 12 Dec.01 6.2 : 1 bevels 8-10 lb 1/8" ribs C-grain balsa, (or aileron stock) Bulkheads: 1/4" 6-8 lb trimmed round servo horn glassed into spoiler 6 lb balsa AG 35 10.5" 6 lb balsa 3/16 x 1 aileron stock Monokote continuous under spoiler AG 35 10' 4-6 lb 3/32" support strips fit piecewise between ribs 1:8 scale gives 30% reduction in circling radius for same tip stall margin optional 1 deg washout twist Two layers 2 oz +/-45 glass wrapped over joiners, under Kevlar ູ້ເດ AG 37 1/8" ribs ѿ arm AG 36 15.5 mm spoiler arm servo 8-10 lb mm 12.5 **N** N.P. HS-81 4-5 lb 1/16 sheet 2 layers 1.5 oz glass \mathcal{J} top and bottom of endribs 6-7 lb 1/16 sheet 3/16" ribs 8-10 1b 3/32 sheet 0.67" CG for zero tail load at CL=0.6 0.325c 8-10 lb all webs 8-10 lb balsa when assembling wing 0.015" shim under bottom spar caps -2 layers — 1.5 oz glass 1/2" x 1/2" 10-12 lb balsa CF/balsa bolt beam, 1/2" wide, 0.040" caps, two layers 2 oz glass wrap, spar/beam joint. (150 lb bursting load) 8.45 3.04 Extra Kevlar around light 3/32" 2.20 5.40 hard 1/8" Tangent point slopes for sanding LE strips 2.77 1.65 3.48 1.82 M.A.C.