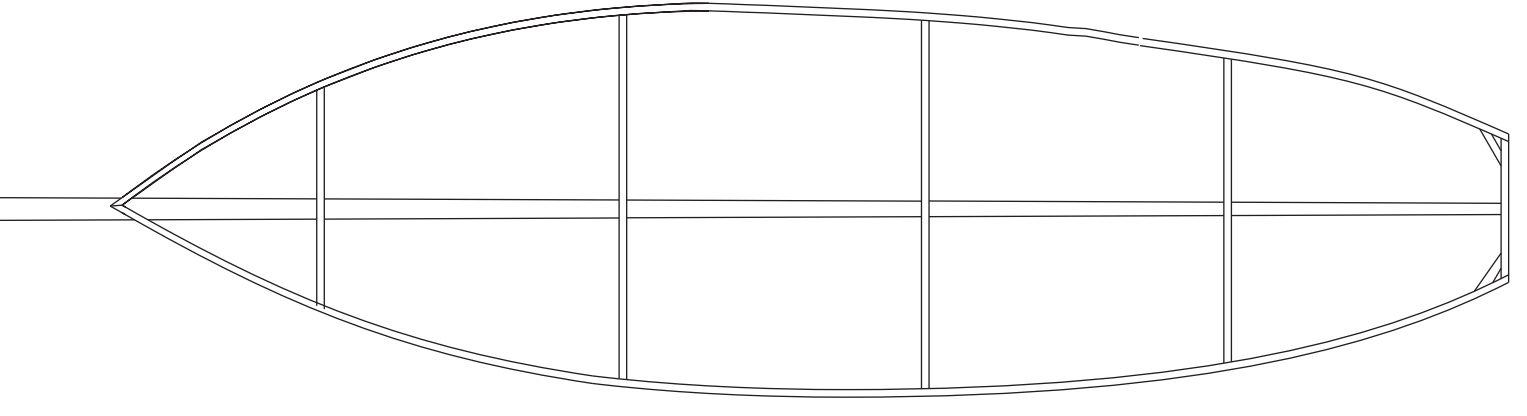


← Dihedral under wing tip 55mm Make sure that projected span is under 460mm! (red line indicates projected wing tip)

← Dihedral break here



Prop blade layout (flatted).

← Tail tip dihedral 60mm

← Dihedral break

← Wing is set 25mm offset from fuselage center line.

← Tailplane rotated 2,2 astetta to left (rear attachment offset 5mm to the right), the whole tail is offset 10mm to the left (so left half is longer).

Materials:
 Motor tube 0,4mm (0.025") #6 balsa rolled around a 7mm mandrel, finished length 420mm
 Tailboom 0.46mm (0.018") #5,5 balsa rolled around Harlan tail mold or a fishing rod tip, length 420mm. If there is a bow on the finished tailboom install it so that the tail curves down, not side!

Wing center section spars 3*1.2mm -> 2*1.2 #6 balsa
 Wing tip spars 2*1.2mm #6 balsa
 Wing ribs 2.5*0.9mm #6 balsa
 Tail spars 2*1.2 -> 1.5*1.2mm #6 balsa
 Tail ribs 1.8*0.9mm #6 balsa
 Covering 1 micron mylar (Woodhouse).
 Wing and tail posts 2*2mm #10 balsa. Wing posts 98 and 90mm tall (former at front), tail posts 36 and 33mm tall (ditto).
 Thus wing has 2,3° incidence, tail is at -1,3°, and taking into account the tailboom droop of 10mm, the overall decalage is 3,5°.
 Tail left end of straight section has 5mm wash-in. Wing has no warps.

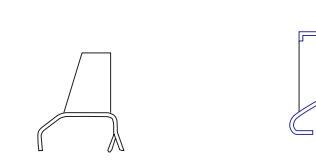
Weights:	
Wing	770mg
Tailplane	480mg
Motor tube	930mg
Tailboom	310mg
Prop	560mg

Total	3050mg

Prop diameter 400mm, pitch 730mm, P/D 1,8. Prop is built with geometric pitch of 500mm.
 Prop spar D2.5mm -> D1.5 #7 balsa, sanded round and tapering.
 Prop frame 1.2*1.2mm #7 balsa, ribs 1.2*0.9mm #6 balsa, cut with the tail rib template
 Prop shaft and rear hook 0,38mm (0.015") piano wire
 Prop bearing Harlan PP. , rear hook is 320mm aft from the front face of the bearing.
 Fuselage is rigged with polypropylen thread, rigging pylon is 1.2*2.0*55mm

Nose length from front face of bearing to forward wing post 30mm, which is the minimum for sufficient prop clearance.
 Center of gravity 22mm behind wing trailing edge, i.e. 111%.
 Prop thrust 4° left, 2° down.

 Fuselage joint: make a 60mm long tube tapering from 6 to 5 mm (snug fit inside front of the tailboom), and glue it 10mm within the motor tube end.

 Glue the prop bearing and rear hook into pieces of thin (0.5-1.0mm) balsa (grains vertical), and reinforce by wrapping some polypropylene thread around, glueing with celluloid glue. Cut slots to the motor tube (both upper and lower face and glue to balsa reinforcements with ample glue to the tube.

