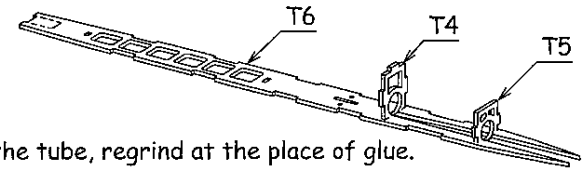
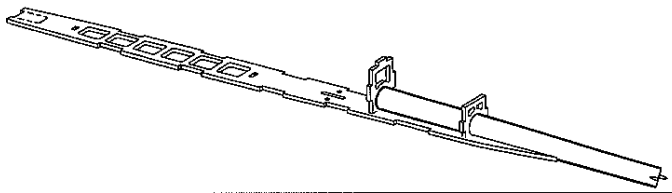
Instructions F3-RES Eli 1/4

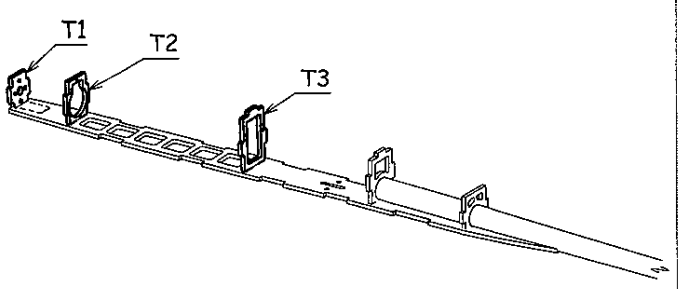
1 Glue T4, T5 on T6
Side board T7 and T10 use as template (DO NOT GLUE)



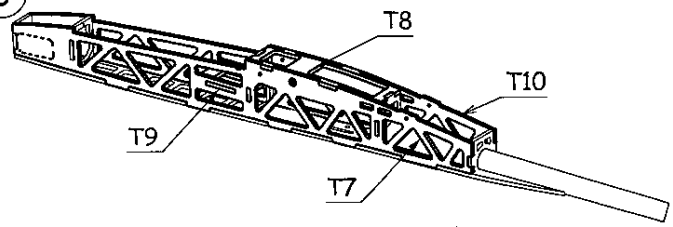
Glue the tube, regrind at the place of glue.
Side board T7 and T10 use as template (DO NOT GLUE)



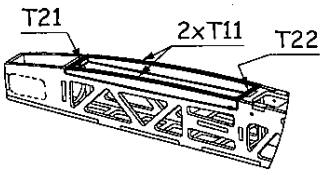
2 Glue crossbars T1, T2 and T3
Side board T7 and T10 use as template (DO NOT GLUE)



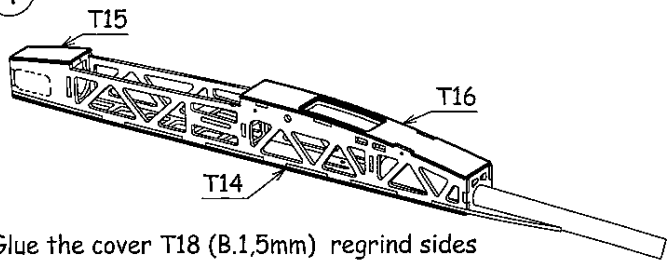
3 Glue crossbars T7, T8, T9 and T10



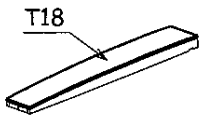
Glue the cabine from parts 2xT11, T21 and T22



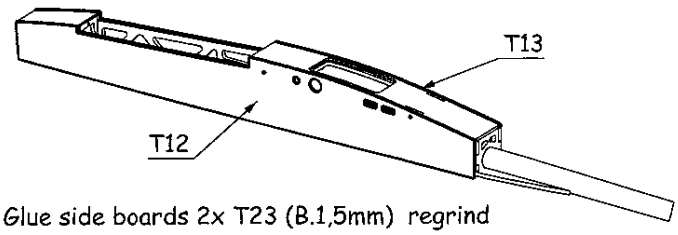
4 Glue the cover T14, T15, T16 (B.1,5mm) regrind sides



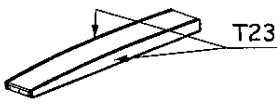
Glue the cover T18 (B.1,5mm) regrind sides



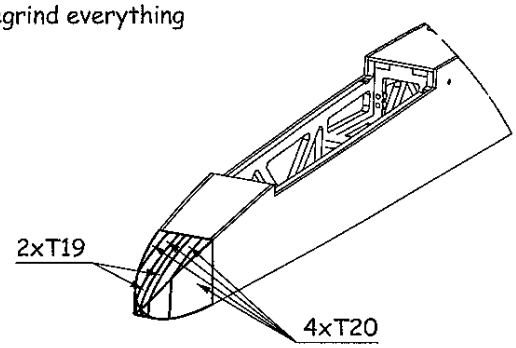
5 Glue side boards T12, T13 (B.1,5mm) regrind



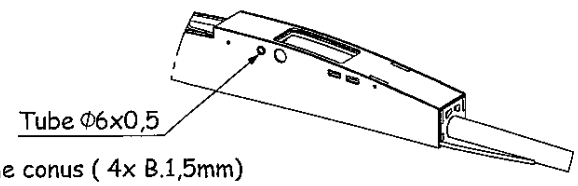
Glue side boards 2x T23 (B.1,5mm) regrind



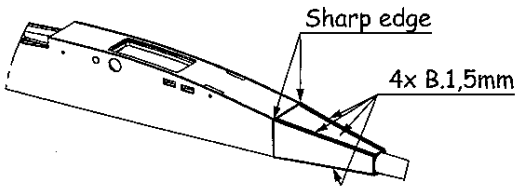
6 Glue the front of fuselage 2xT19 a 4xT20
regrind everything



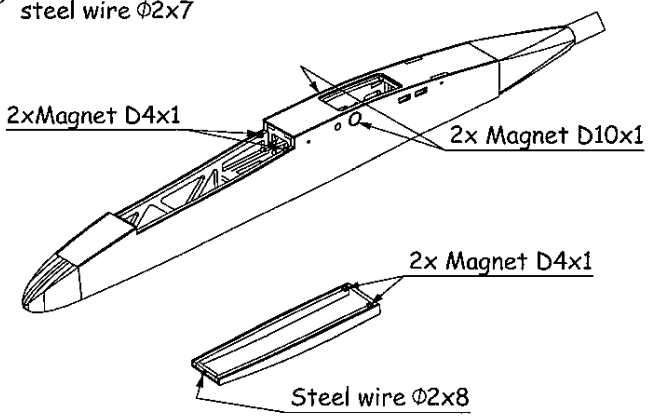
7 Glue the laminate tube in Φ6x0,5



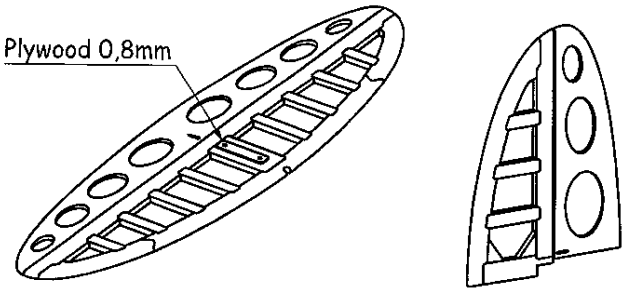
Glue the conus (4x B.1,5mm)



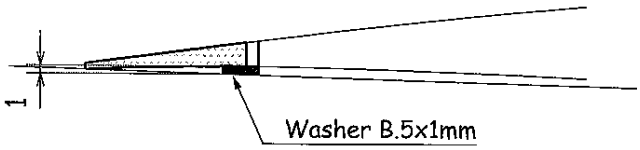
8 Glue 4x Magnet D4x1, 2x Magnet D10x1 and
steel wire Φ2x7



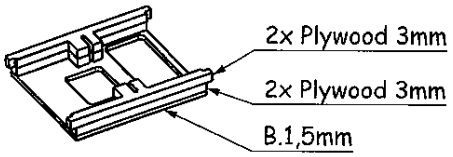
9 Glue elevator and rud on plane board according to plan.
Regrind if needed and a fit contact areas.
Regrind everything and regrind to profile according to plan.
Glue the plywood 0,8 mm on elevator.



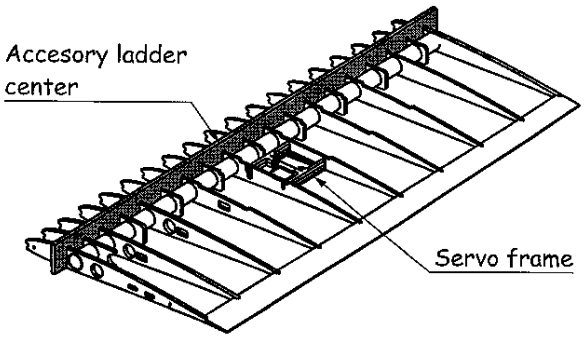
10 Wing center:
Glue washer 1x5 mm (red) on plan under trailing edge using tape and pin trailing edge.



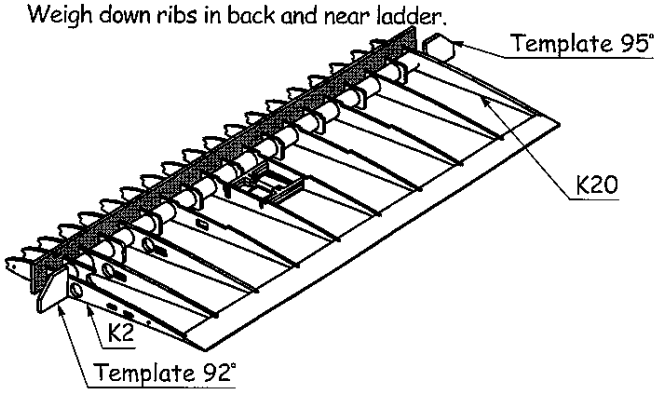
Assembly servo frame



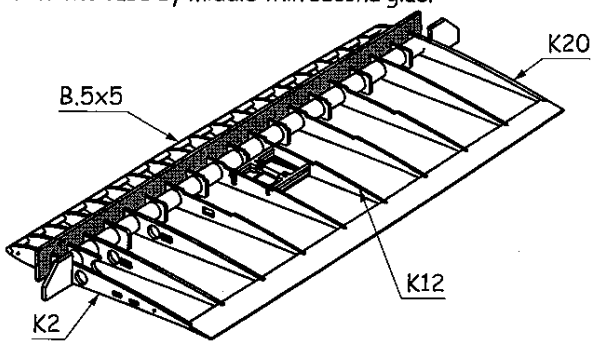
11 Put ribs and servo frames to breaks in wing trailing edge.
Constitute with accesory ladder in the front.
Put the tube in, regrind holes in ribs if necessary.



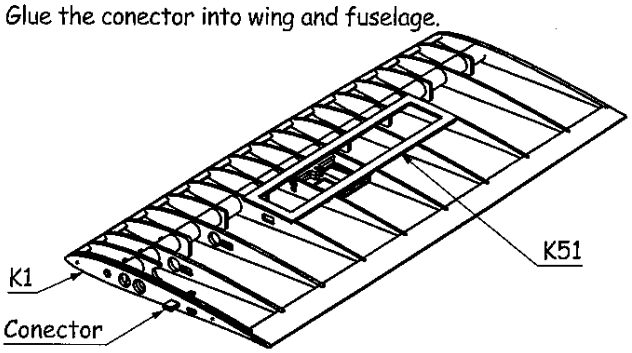
12 Constitute rib K2 according to plywood template 92° cut B-B
Constitute rib K20 according to plywood template 95° cut C-C
Weigh down ribs in back and near ladder.



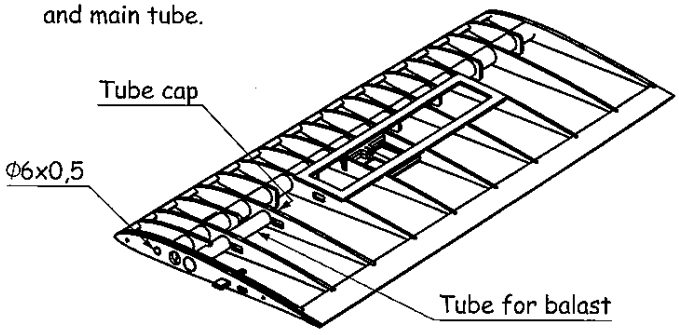
13 Glue leading edge and wing trailing edge on ribs K2, K12 a K20.
Than glue ribs on wing trailing egde (thin second glue).
Rest ribs synchronize on board and glue.
Glue the tube by middle thin second glue.



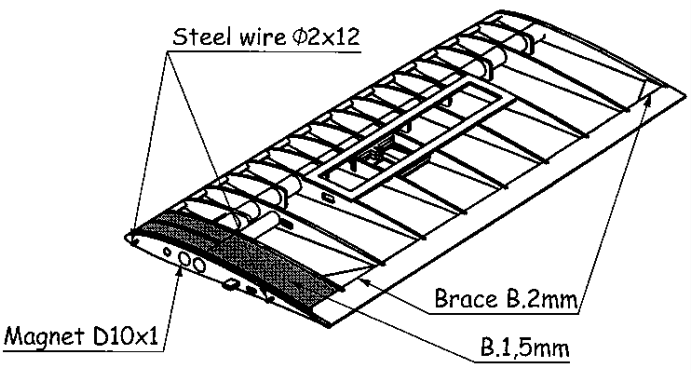
14 Regrind the tube, leading edge and trailing edge on side ribs.
Glue frame on shield K51 and rib K1.
Shave leading edge and trailing edge, regrind to profile.
Glue the conector into wing and fuselage.



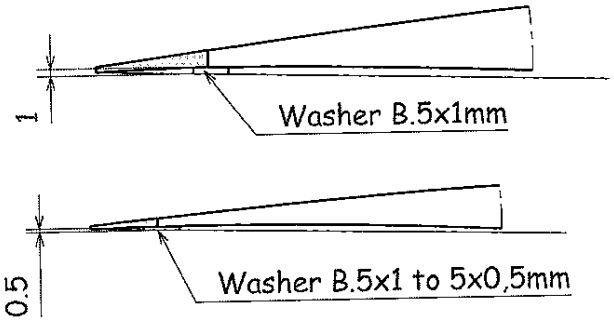
15 Glue the tubes into ribs and
plywood tube cap into tube for balast using epoxide.
Create overpass from epoxide between tube Φ6x0,5
and main tube.



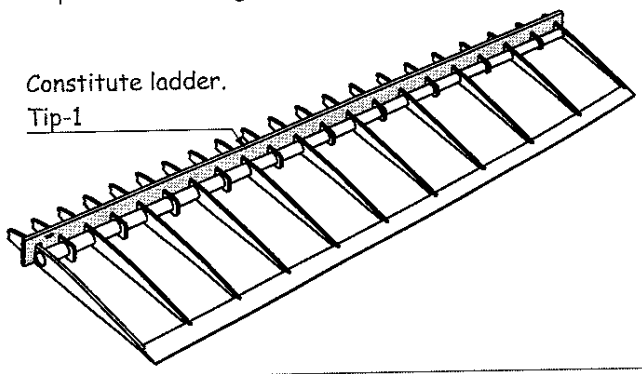
16 Finish glueing the cover from B.1,5, glue braces B.2 mm
Glue the magnet D10x1 and steel wire Φ2x12 in



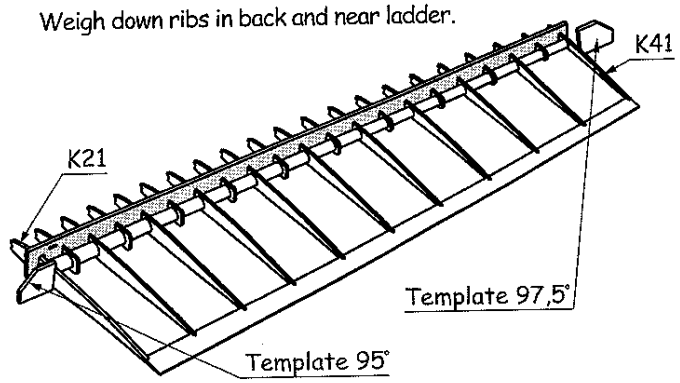
17 Tip-1:
Glue washer 1x5 on 0,5x5mm (green)
on plan under trailing edge using tape and pin trailing edge.



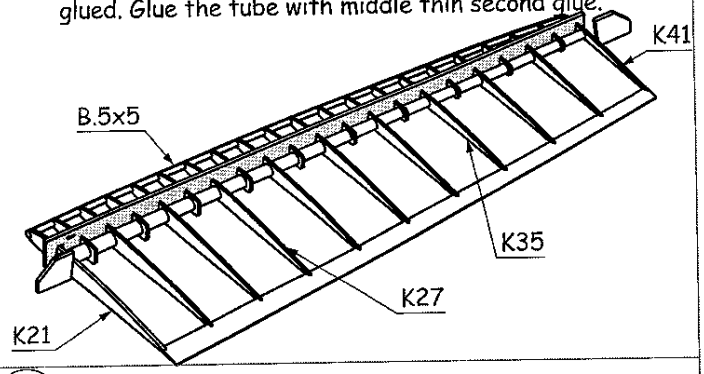
18 Put ribs into breaks intrailing edge.
In front side constitute by constitute ladder.
Input the tube, regrind the holes in ribs if needed.



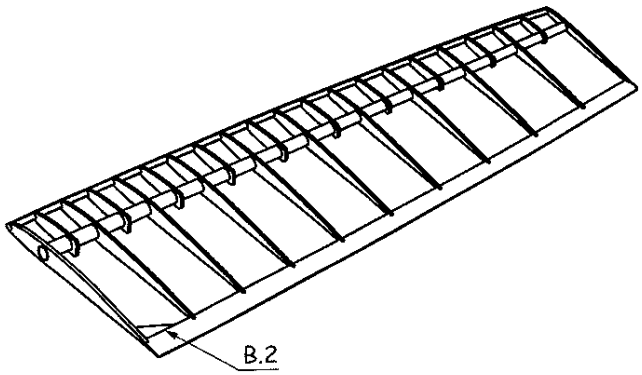
19 Constitute rib K21 according to plywood template 95°cut C-C.
Constitute rib K41 according to plywood template 97,5°cut D-D
Weigh down ribs in back and near ladder.



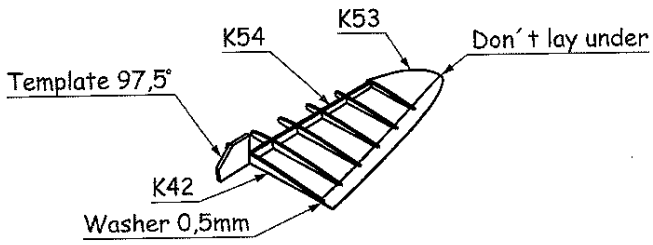
20 Glue leading edge and trailing edge on ribs K21, K27,K35 and K41. Than glue ribs on trailing edge (thin second glue).
Rest ribs will be synchronized on leading edge and can be glued. Glue the tube with middle thin second glue.



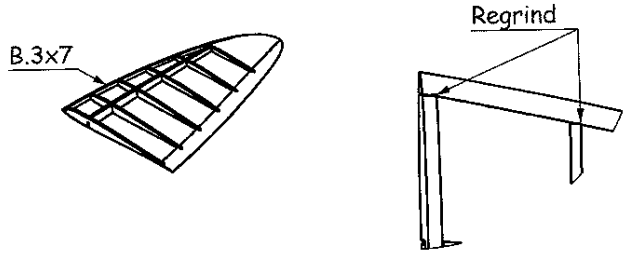
21 Shave leading edge and trailing edge, regrind to profile.
Glue the brace B.2mm



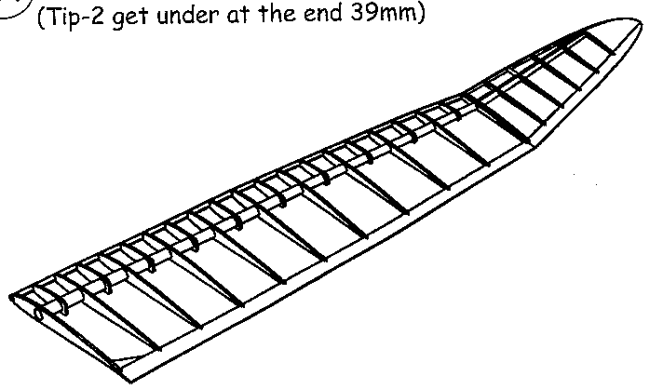
22 Tip-2:
Glue the end of washer 1x5 on 0,5x5mm (green) on plan under trailing edge using tape. Don´t lay under ending curve K53. Pin trailing edge and ending curve.
Glue ladderK54 and ribs K42-47.
Rib K42 glue using template 97,5°.



23 Softly regrind the ribs into the form of leading edge.
Glue leading edge B.3x7.
Regrind leading edge, trailing edge and ending curve into profile.

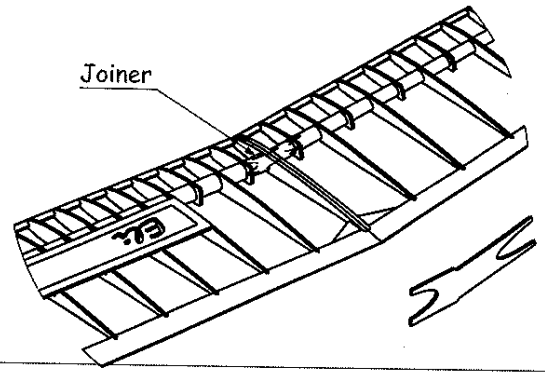


24 Glue Tip-1 and Tip-2 abut together under 15° angle.
(Tip-2 get under at the end 39mm)

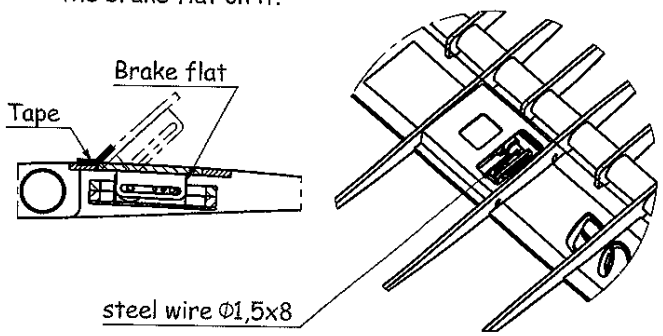


Instructions F3-RES Eli 4/4

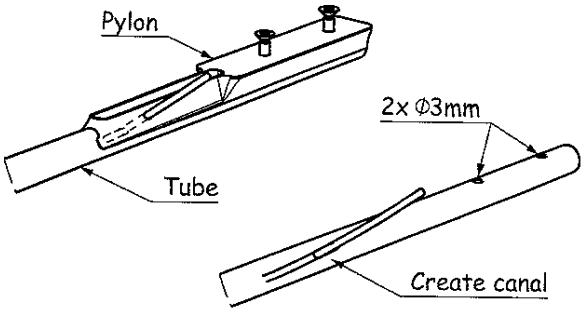
25 Glue center with tip by epoxide using joiner under 10° angle (end of tip-1 get under 79mm)
Gently regrind tubes inside.



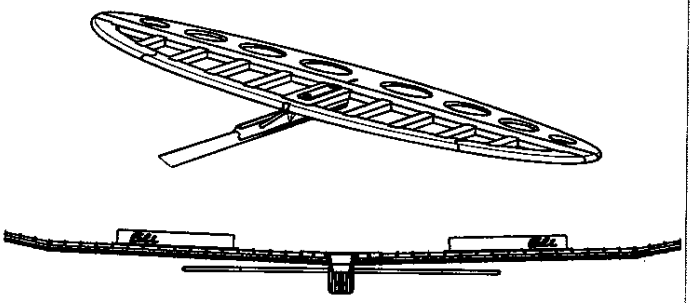
26 Put wire Φ1,5x8 into the servo lever, together with servo put into the frame. Tape the brake and glue the brake flat on it.



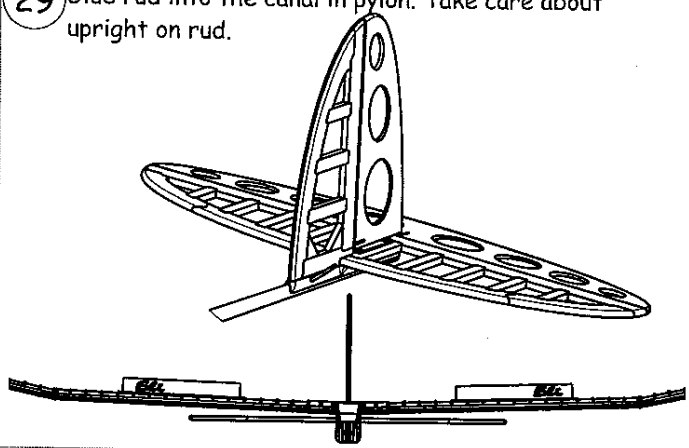
27 Measure the leghth of tube according to plan, add pylon and mark the place for canal for rod of rud and screws of elevator Φ3mm.



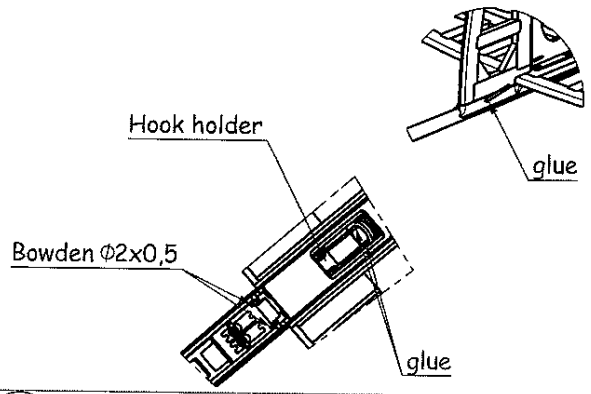
28 Screw the elevator on pylon. Glue the pylon on tube than, controll elevator with wing.



29 Glue rud into the canal in pylon. Take care about upright on rud.



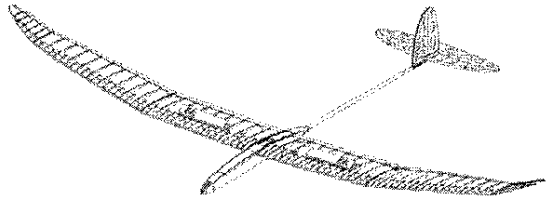
30 Put the hook holder into fuselage.
Glue bowdens on rods Φ2x0,5.



31 Cover the model, glue flaps and brakes with tape.
Controll turning of the wing, on tip-1 negative 1-2mm and on tip-2 negative 2-3 mm.
Glue levers on rud and elevator.
Use steel wire Φ0,8mm as a rod.
Curve on the rudder and servos into L or Z shape.

shape Z shape L

32 Install electronics into model,
balance the model on center of gravity
75 to 78mm
Servos:
elevator and rud servo 2x 8mm (8g)
brakes 2x 8mm (4g)



F3-RES Eli		
Bill of material		
1	Tube D16,4 to 7,5x0,4 L=850mm	1
2	Tube D12,8x0,4 L=825mm	1
3	Tube D11,9 to 5,8x0,4 L=500mm	2
4	Plywood cuts Pr.3mm 1/2	1
5	Plywood cuts Pr.3mm 2/2	1
6	Balsa cuts B.5 1/2	1
7	Balsa cuts B.5 2/2	1
8	Balsa cuts B.4	1
9	Balsa cuts B.3	1
10	Balsa cuts B.2 1/2	2
11	Balsa cuts B.2 2/2	1
12	Balsa cuts B.2	1
13	Spruce cuts 2mm	2
14	Balsa cuts B.1,5 1/2	1
15	Balsa cuts B.1,5 2/2	1
16	Balsa 1,5mm 100x140	2
17	Balsa 5x5 L=470mm	2
18	Balsa 5x5 L=405mm	2
19	Balsa 3x7 L=200mm (shaped)	2
20	Rod D2mm L-1000mm	2
21	Steel wire 0,8mm L=1000mm	2
22	Washer center (red)	1
23	Washer tips (green)	1
24	Sticker	2
25	Instructions	1
26	Plan A0	1

Content of sack		
27	WOOD Conus on fuselage B. 1,5mm	4
28	WOOD Servo frame	2
29	WOOD Pylon	1
30	WOOD Hook holder	1
31	WOOD Break flat	2
32	WOOD Lever	2
33	Laminate tube D10x0,5 L=90mm	2
34	Laminate tube D6x0,5 L=180mm	1
35	Plywood for elevator 0,8mm	1
36	Tube ending pr.3mm	2
37	Wing joiner cuprextit	2
38	Steel wire D 5 L=165 mm	1
39	Steel wire D 2 L=12 mm	4
40	Steel wire D 2 L=8 mm	1
41	Steel wire D 1,5=8 mm	2
42	Magnet D4x1	4
43	Magnet D10x1	4
44	Hook	1
45	Screw M3x10	2
46	Screw countersunk M3x10	2
47	Nut M3	4
48	Washer D3	2

F3-RES

Eli