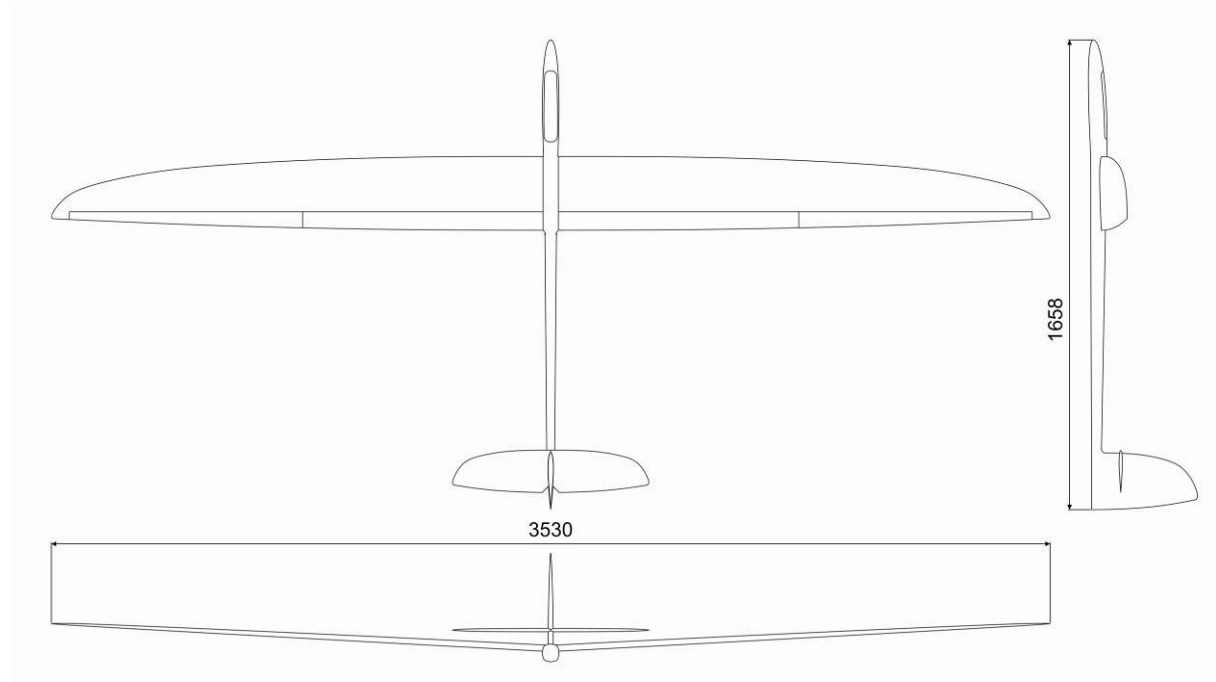


# **BIG CERES**

Wingspan	3530mm
Area	74,82dm <sup>2</sup>
Aspect ratio	16,66
Airfoil	special (F3B/F3F)
X-tail span	694mm
X-tail area	8,33dm <sup>2</sup>
X-tail aspect ratio	5,78
X-tail airfoil	HD801
Weight	2800-4000g
Wing loading	38-54g/dm <sup>2</sup>

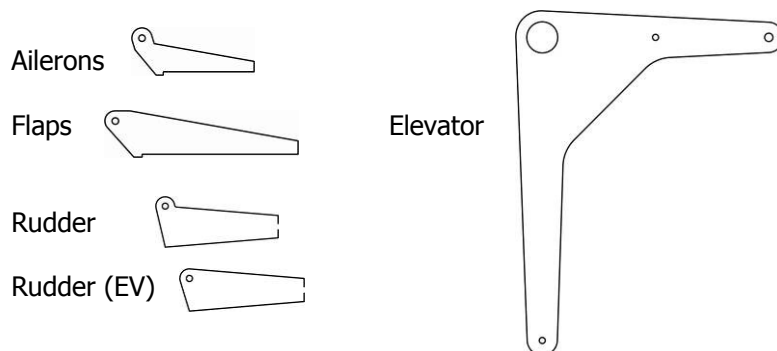


## **You will need this or similar servos and accessories:**

Ailerons:	2x Graupner DS3210 or Futaba S3150
Flaps:	2x Graupner DS3210 or Futaba S3150
Elevator:	Standard or S3150 (electric version - EV)
Rudder:	Standard or S3150 (EV)

3-5m servo cable (min. 0,25mm<sup>2</sup>), JR/FUT connectors, etc.

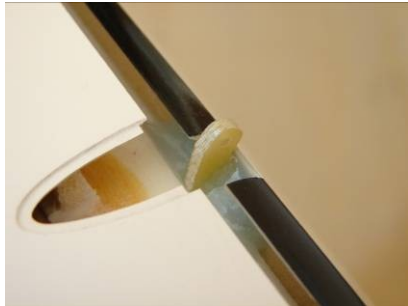
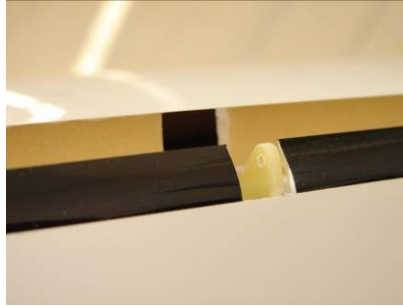
## **Horns (horns glue with 5-min Epoxy):**



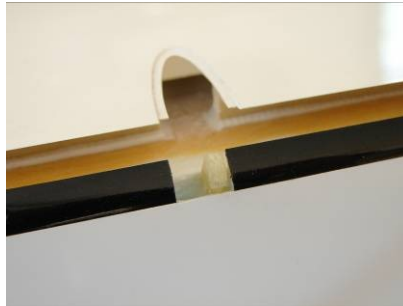
# Ailerons and Flaps



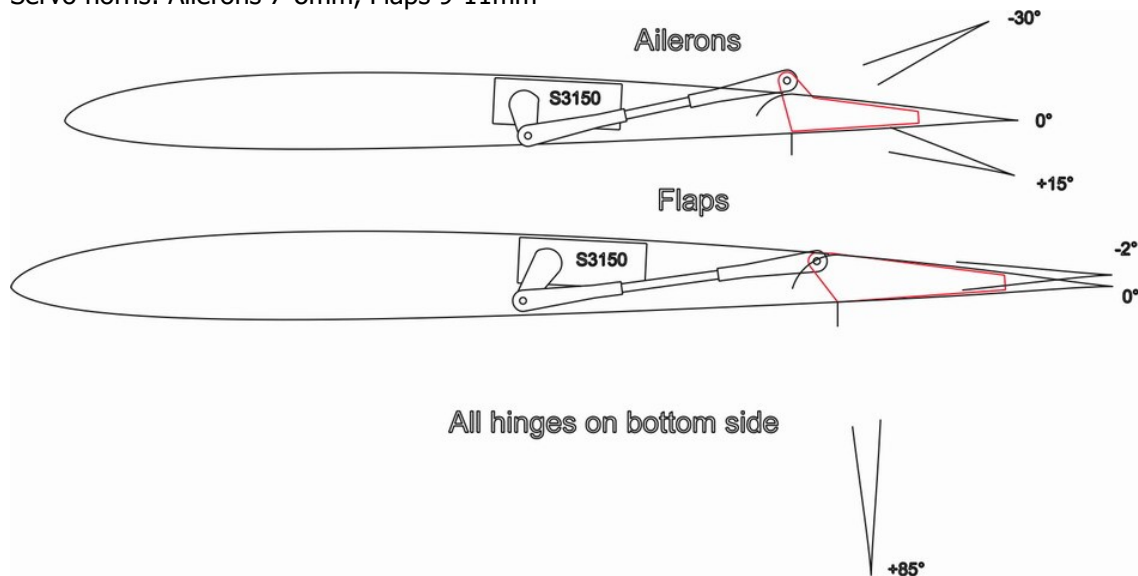
Horns in flaps are already glued.



Horns in ailerons are also glued.



Servo horns: Ailerons 7-8mm, Flaps 9-11mm



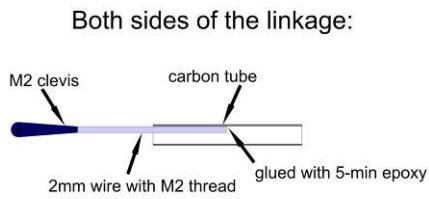
Servo holder position.



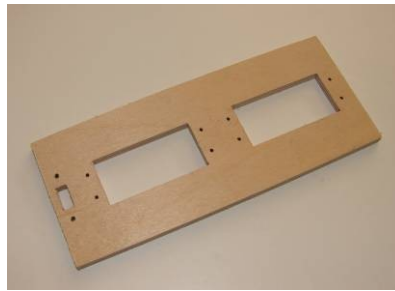
For linkage use two M2 (M3) metal clevises with M2 (M3) screw rod.

# Elevator and Rudder

Glider version:



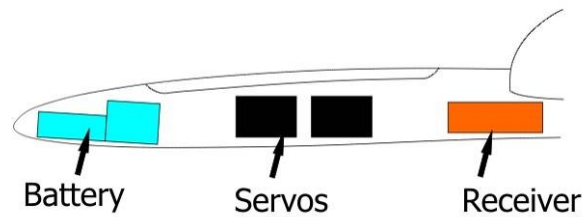
Rudder and Elevator linkage



Rudder and Elevator servo board



Use standard servos for Rudder and Elevator



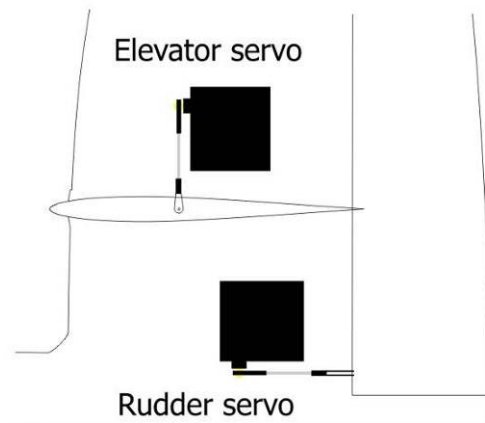
Electric version:



Rudder servo holder



Elevator servo holder



For linkage use M2 metal clevis and M2 ball pivot with M2 screw rod.

Kit contains:

**Glider version:**

- wings with joiner
- elevator with joiner
- fuselage
- horns (4x for wing, 2x for fuselage)
- servo holders (4x for wing)
- servo board (fuselage)
- servo covers

**Electric version:**

- wings with joiner
- elevator with joiner
- fuselage
- horns (4x for wing, 2x for fuselage)
- servo holders (4x for wing, 2x for fuselage)
- servo covers

**Basic setting:**

CG: 110-120mm (from LE at the root)  
Ailerons: -24, +13mm  
Flaps: -3, +89mm  
Elevator:  $\pm 8^\circ$   
Rudder:  $\pm 30$ mm

**Electric version:**

Recommended motor Hacker B50-11S (8L) + 6,7:1 with 16x10" or 17x11" prop  
Battery 4S Kokam 3200, PQ3700 or 12-16cells Sanyo RC-4/5SC  
ESC 70A  
Spinner 40mm

25. July 2007

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