# PUSHY CAT



Ap.Alare - Wingspan 100cm
Sup.Alare - Wing area 13,6 dmq
Profilo : SN26 mod
Lunghezza - Lenght 68cm
Peso a vuoto - Empty weight : 450g

X MODELS

The Pushy Cat is really a fast model able to satisfy the need for speed of every modeler. The name comes from the Jim Miller Pushy Cat, and our model can be considered a tribute to one of the few "pusher" ever able to win in the Reno F1 air races. Jim Miller flew his Pushy Cat for more than 10 year , won 23 races, got 18 second places and 7 third places. The highest speed reached during a qualify heat was more than 254 mph and the highest speed in a race was more than 243 mph

Our model, even if not scale, looks quite similar, and like the real one it will be able to offer a very high flying speed and amazing overall performances using a motor/battery/speed controller package that still has a reasonable price.

# Disclaimer:

# The PushyCat is a model for expert pilot only.

Even if it has no nasty flying habits it is really fassssst. We clocked it may times at more than 200kmh with the suggested motor/battery/propeller combination, and flying a small plane at such high will require good flying abilities.
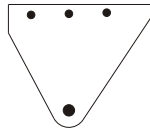
To complete the model we suggest :

- 2 Hitec HS125MG as wing servos
- 1 Hitec HS65MG as elevator servo
- a good receiver
- motor : Axi 2814/6D
- battery : lipo 3S 2500 to 3700 at least 20C
- Jeti Advance 70 HS (no, the standard one will not do the job) or Jeti Spin 66 speed controller
- APC 6x4 propeller

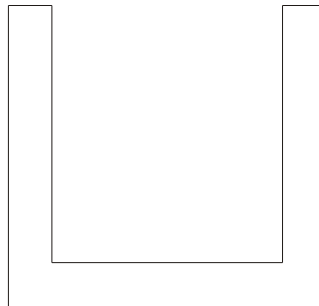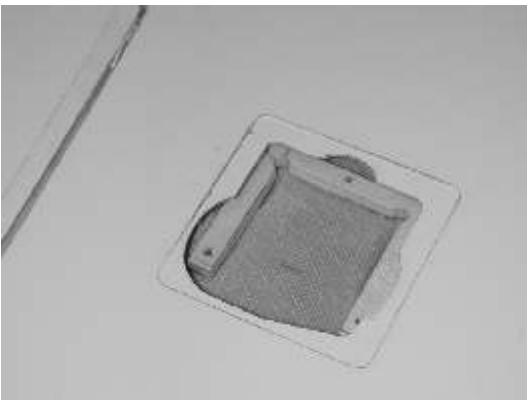# Some hints about finishing the model

The real building manual is still under construction, so for the time being here is some picture we took while finishing the first model,  just a little help about how to install sevos and control horns ...
This is a model for experienced pilot, so you should be able to put it togher with this little help; in case you should need some further help do not hesitate to contact us at info@fulcroservice.it
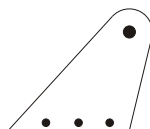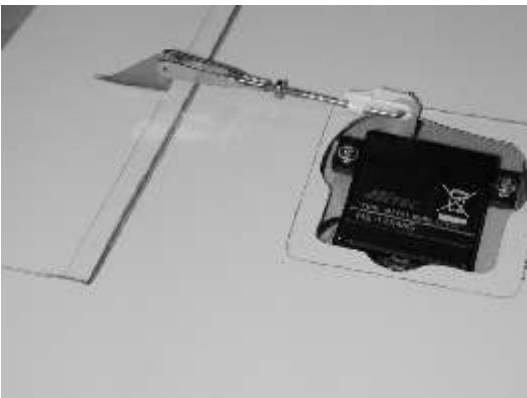


Squadretta profondità
Elevator control horn

Using a sharp knife cut the bottom side ot the elevator mobile part and glue in place as in the picture the elevator control horn
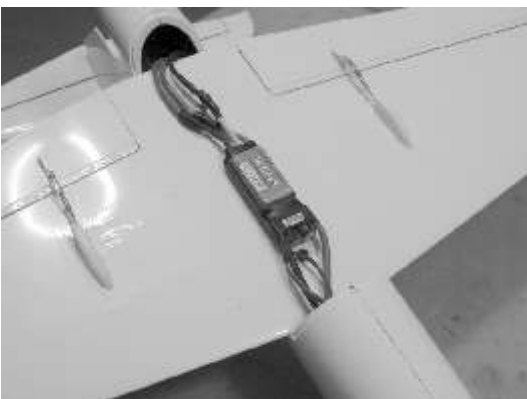


Piastra portaservi ala
Servo holder

Enlarge a little the servo hole, glue in position the servo holder and install the servo
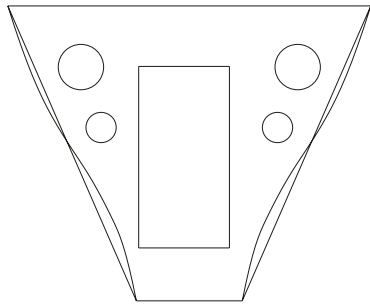


Squadretta alettoni
Aileron control horn

Using a sharp knife cut the bottom side ot the ailerons and glue in place as in the picture the ailerons control horns



Here you can see the two servo installed, with the servo cover in place.

The bottom of the wing is a good place for the speed controller

We suggest to install the elevator servo as in the pict, please note the elevator servo is not in the centre, but slightly offside, so you may have more room for the servo horn. Control is made with a steel rod.
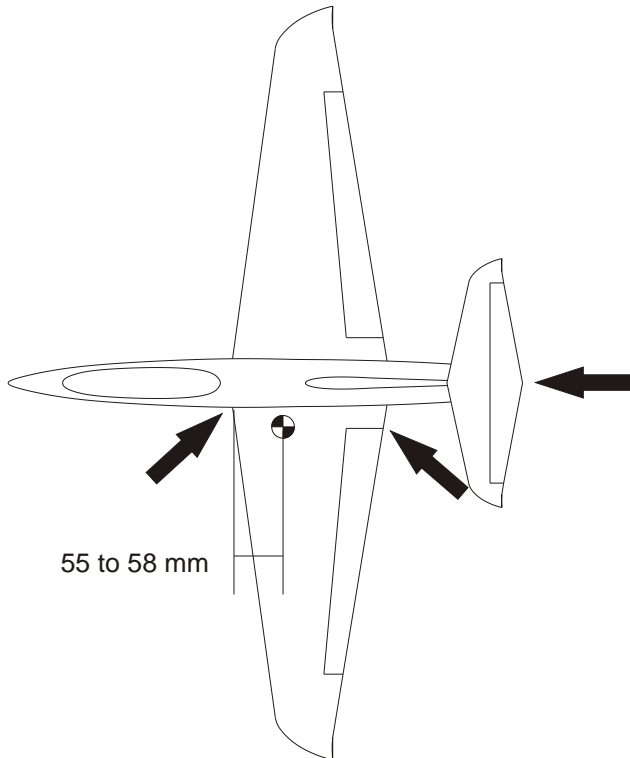
Ordinata portaservo
Elevator servo holder



**The elevator is held in place with its 3MA screw; when satisfied with the elevator/wing allignement, it will be better to secure it to the fuselage using some cyano glue**



If using an outrunner (like the suggested Axi 2814/6D) be carefull to avoid contact between the rotating bell of the motor and the motor wires; you will have better to glue the motor wires with some silicon



The amount of "G" you can load the model are very high, so depending on the battery pack you will use, you will have to find a way to strongly secure teh pattery pack to the fuselage, so that they will not come out during inverted loops or other wild manouvres
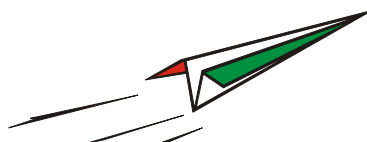


**Suggested travels, measured at the arrows**

**ailerons +/- 6 mm**
**Elevator +/- 10mm**
**Spoilerons +15mm**

**Center of Gravity**

**The CG must be between 55 and 58 mm from wing leading edge measured just outside the fuselage**

55 to 58 mm