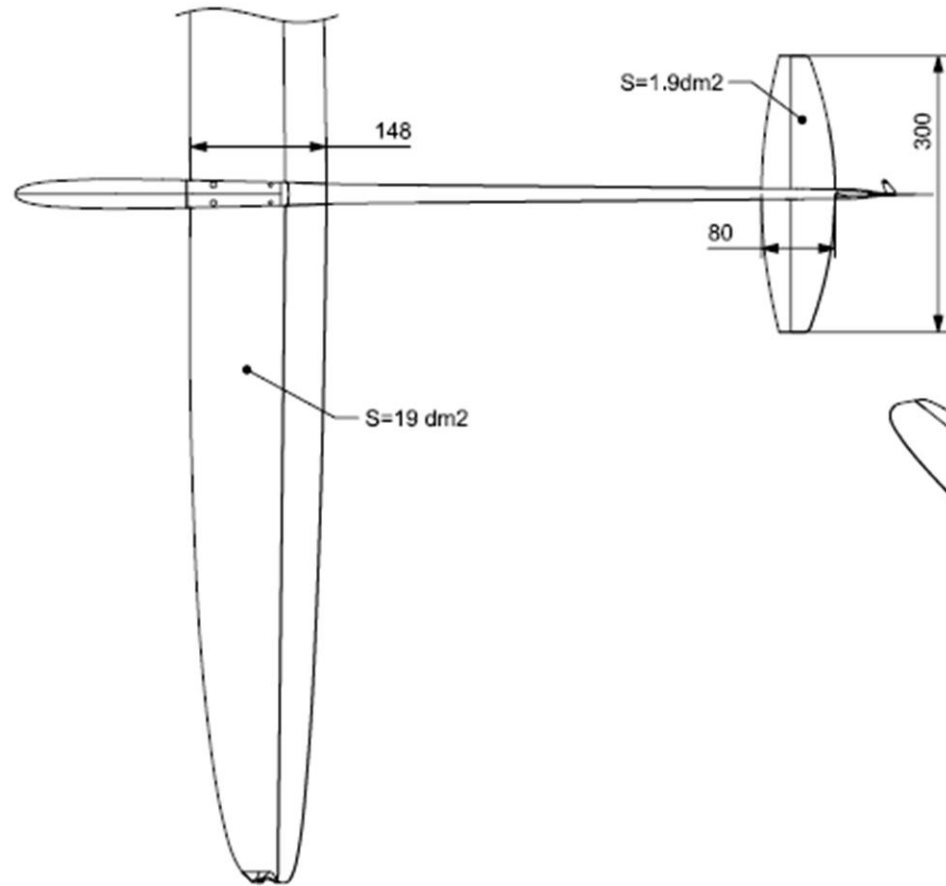
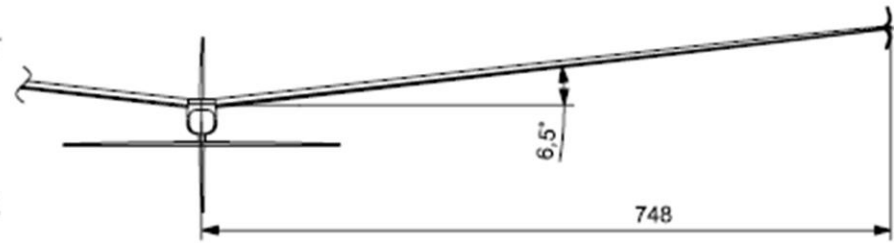
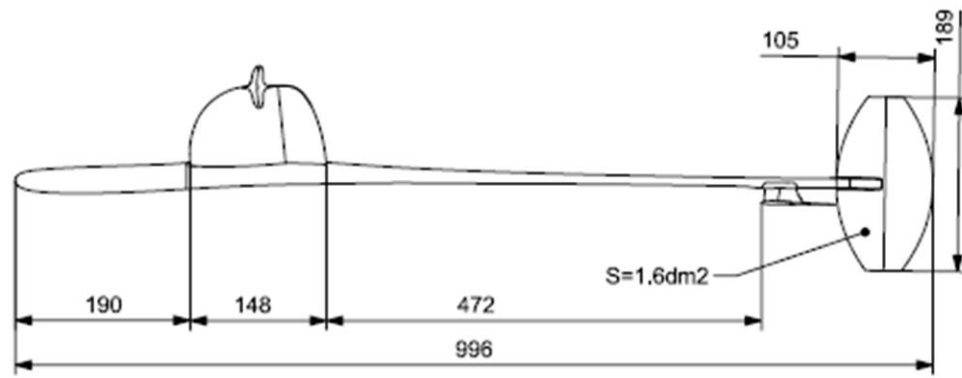




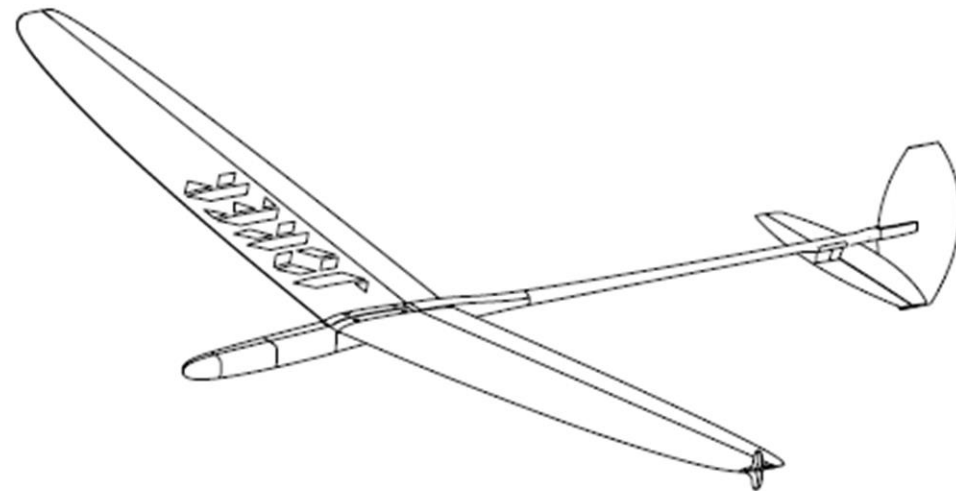
JOKER

F3K model

*Strong as we are.
Flies high as our dreams.
We did our best - now it's your turn.*



JOKER 2024 edition



**Joker 2024 F3K: Assembly Kit
(design variation for bottom wing)**



Joker 2024 F3K: Assembly Kit (design variation for upper wing)



Joker 2024 F3K: Assembly Kit Accessories



pipes for control cables fixation

aluminum horns for aileron

screws M3x10 for wing

Joker ballast fixation part

aileron horn pins

Joker aileron rods with ball link screws

plastic tube to guide the control cables

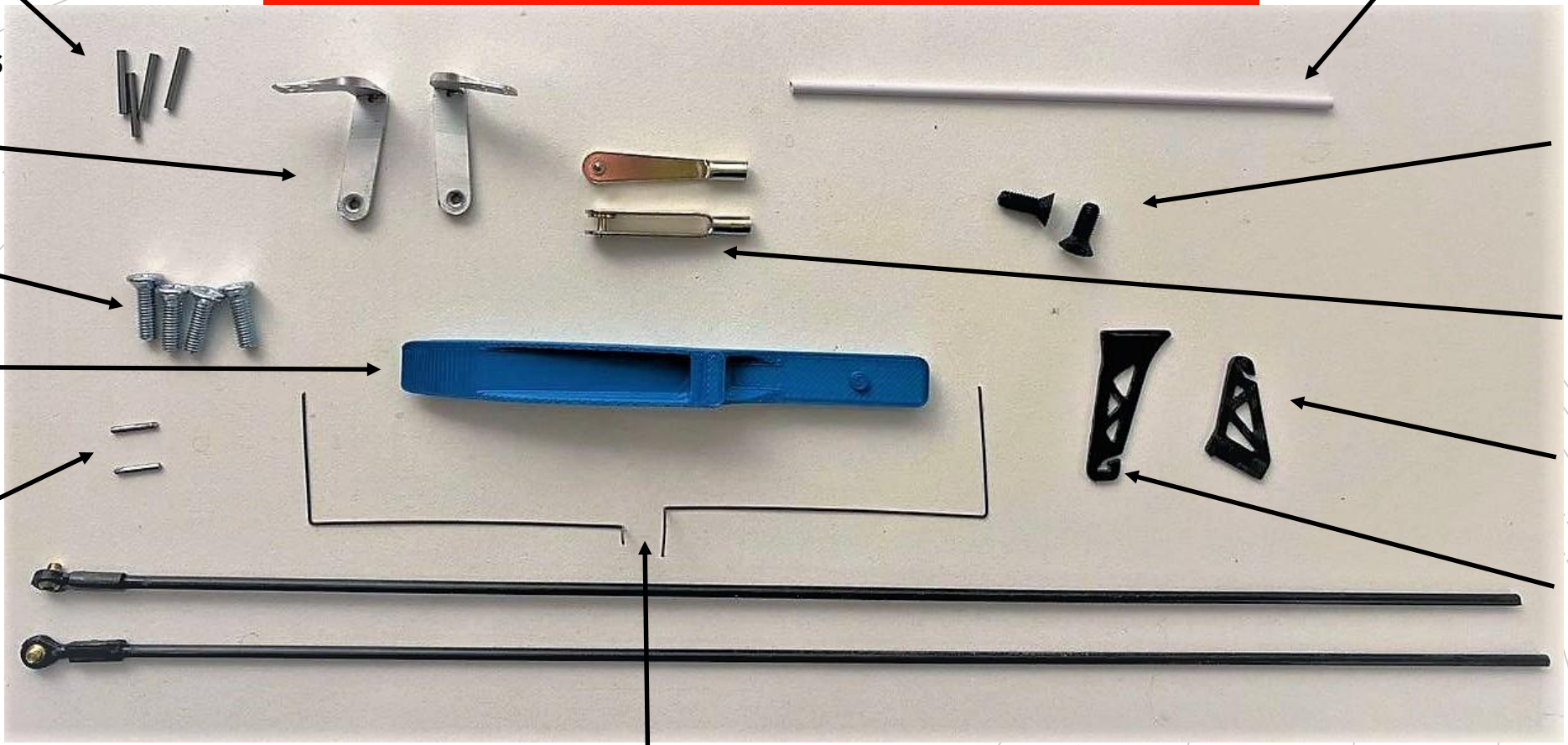
screws M3x8 for elevator

aileron clevises

rudder control horn

elevator control horn

Joker elevator & rudder torsion springs



2-Piece Wing

The Joker is a good companion to take with you on any trip. It can be quickly assembled in the field and is ready to fly. Apart from that it does not take up a lot of space in your car.



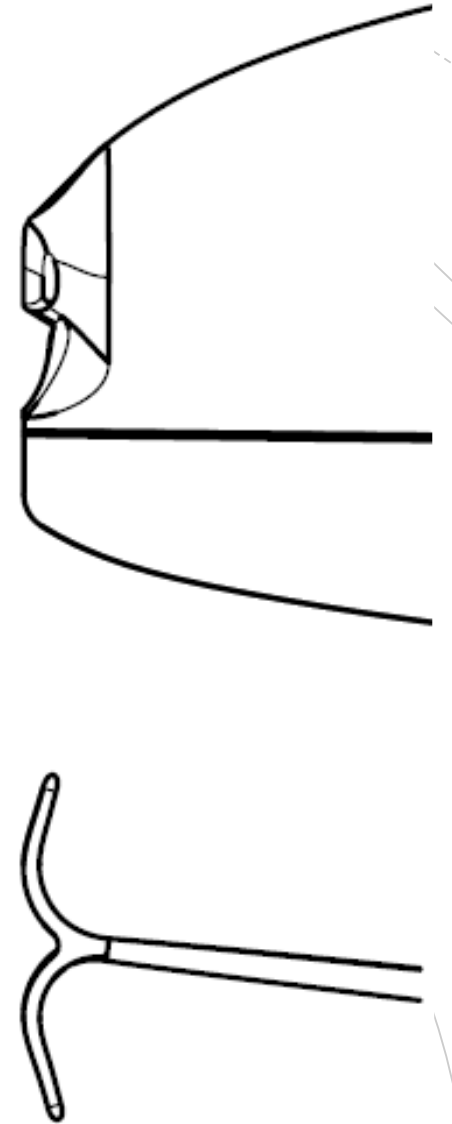


Integrated Wing Peg Solution

The original high performance Joker wing and tail foils provide excellent aerodynamic performance.

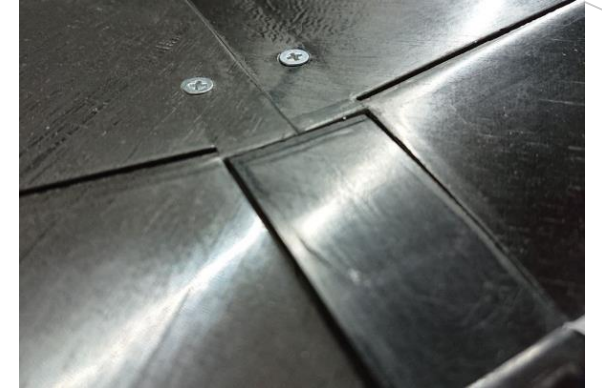
The aerodynamically clean design of the integrated wing peg reduces drag, weight and requires no assembly for gluing. The peg is molded into the wing console and can be on the one or both consoles (just a joke!).

The shape of the fuselage is providing a compromise between high launch and high quality soaring.



Aerodynamic Solution

The minimum clearance between the aileron and the fuselage provides minimal drag and high aerodynamic performance from negative to moderately positive aileron deflection angles.



Practical Solution

The fin and the stabilizer can be removed from the fuselage to maintain a minimum transport size.

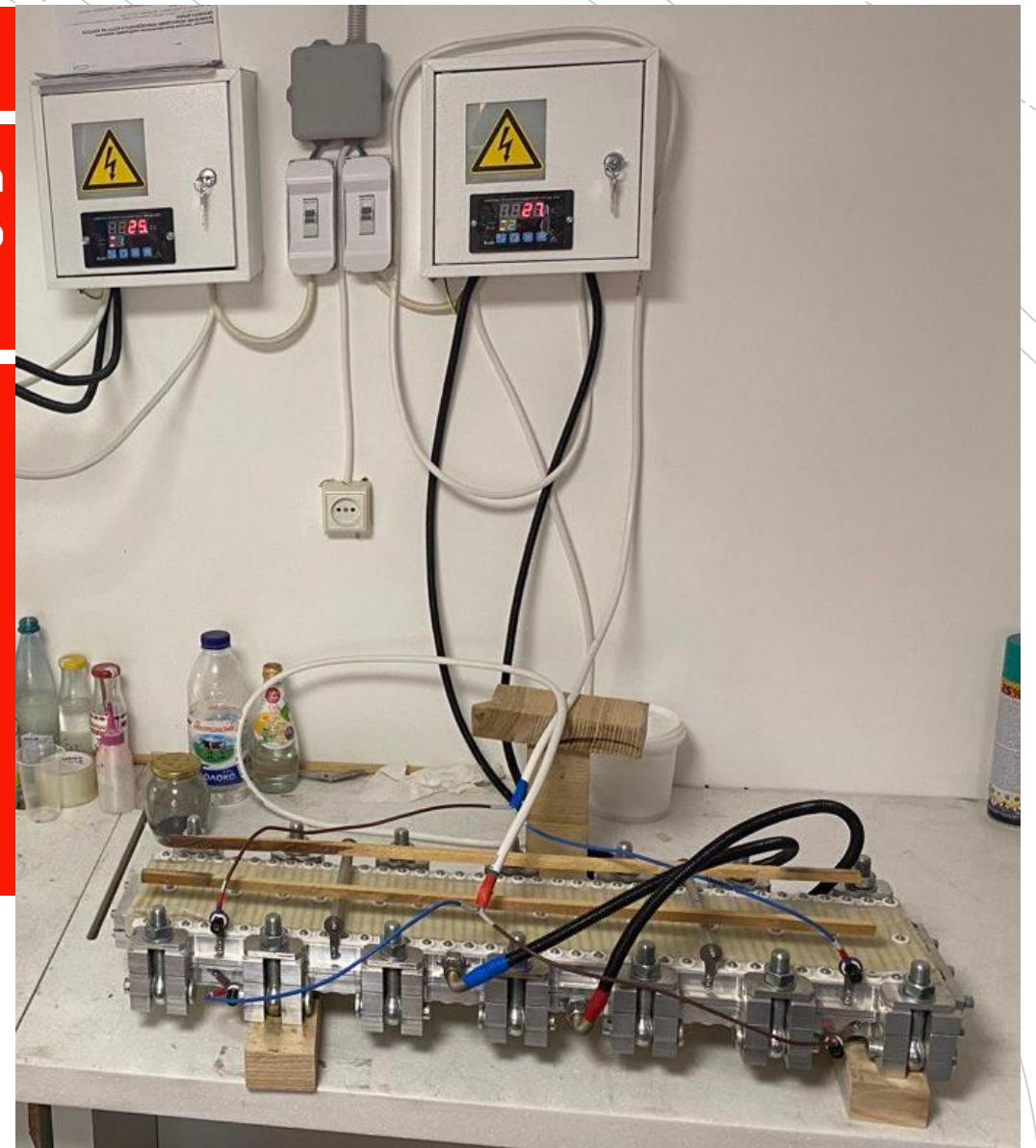


Technology Solution

We have developed a special heating system with control cabinet and integrated heating cables direct into the mould.

For the first time, the wing and tail are made from high temperature curing epoxy (~60-70°C)

This provides extra strength stiffness and unsurpassed thermal and UV ageing resistance while maintaining surface quality over several years of intensive use.



Technology Solution

The flutter-resistant and impact-resistant wing design features a C-shaped nose reinforcement, I-dubble shaped spar shear web and C-shaped aileron shear web.

The weight of the wing is 115 ± 2 grams (depends also from painting design), the empennage is 9 ± 0.5 grams, and the fuselage is 45 ± 2 grams. The weight of the ready-to-fly model with 2 KST X08 + 2 KST X06 servos is 230 ± 4 grams.

The Ultralight version with an estimated weight of 210 ± 4 grams is under construction.





To achieve such an excellent quality the Joker team have designed and built maybe the best moulds in F3K history.

Technology Solution





Precise Control System

Aileron horns are machined from aluminum and have a ball link to the servos.



RTF Models

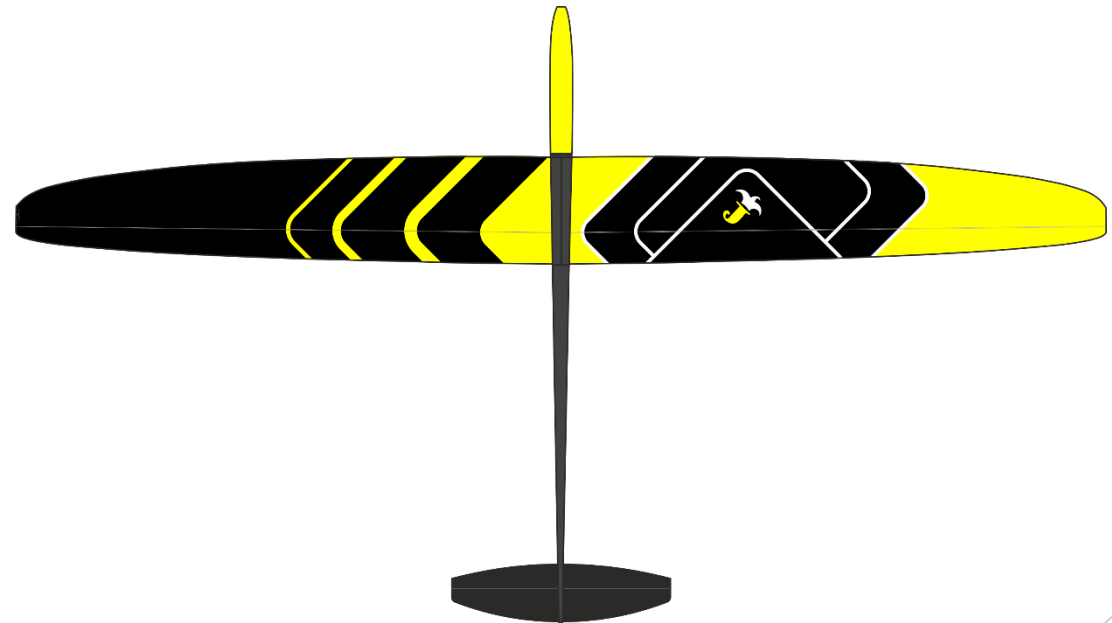
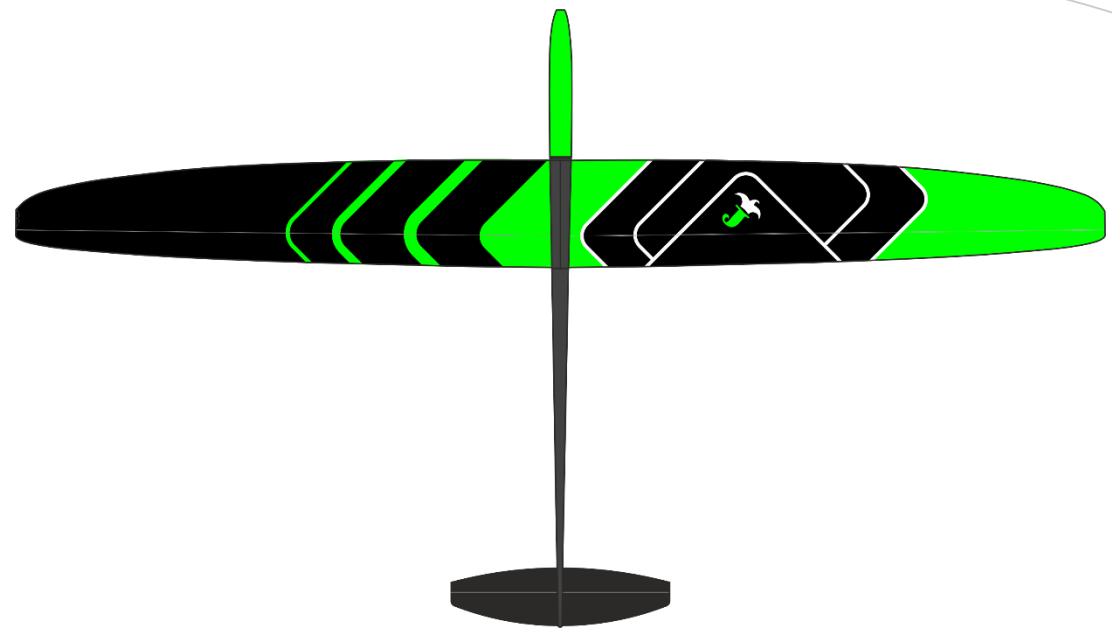
Ready to fly models can be equipped with CHAservo, KST, MKS or any other micro servos available on the market.



Standard Coloring Schemes

Neon Green

Neon Lime



Standard Coloring Schemes

Neon Red

Neon Orange

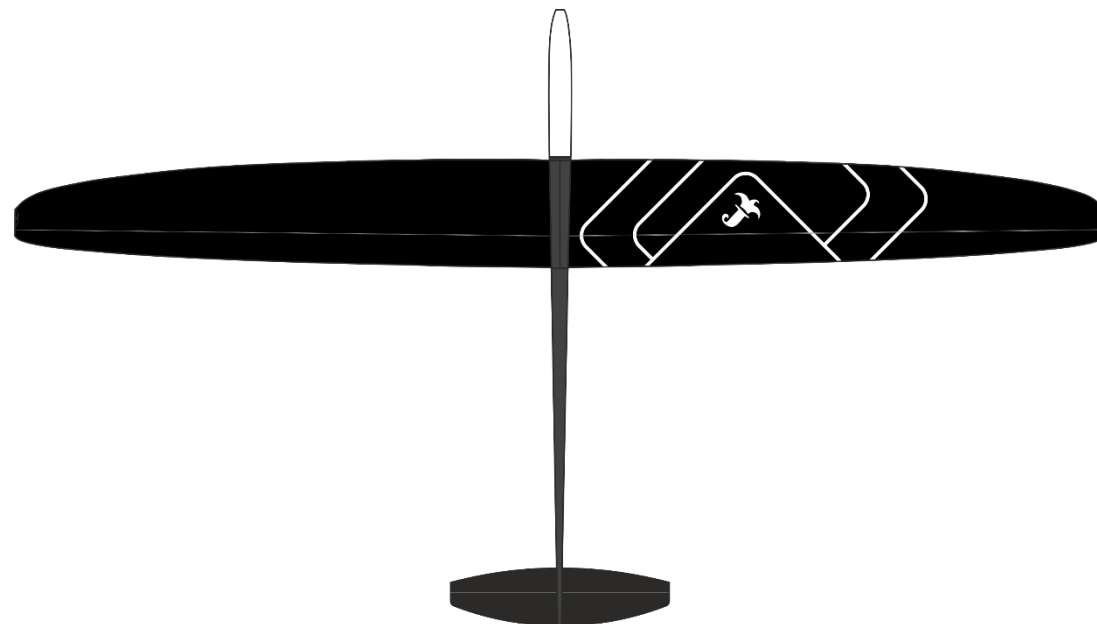
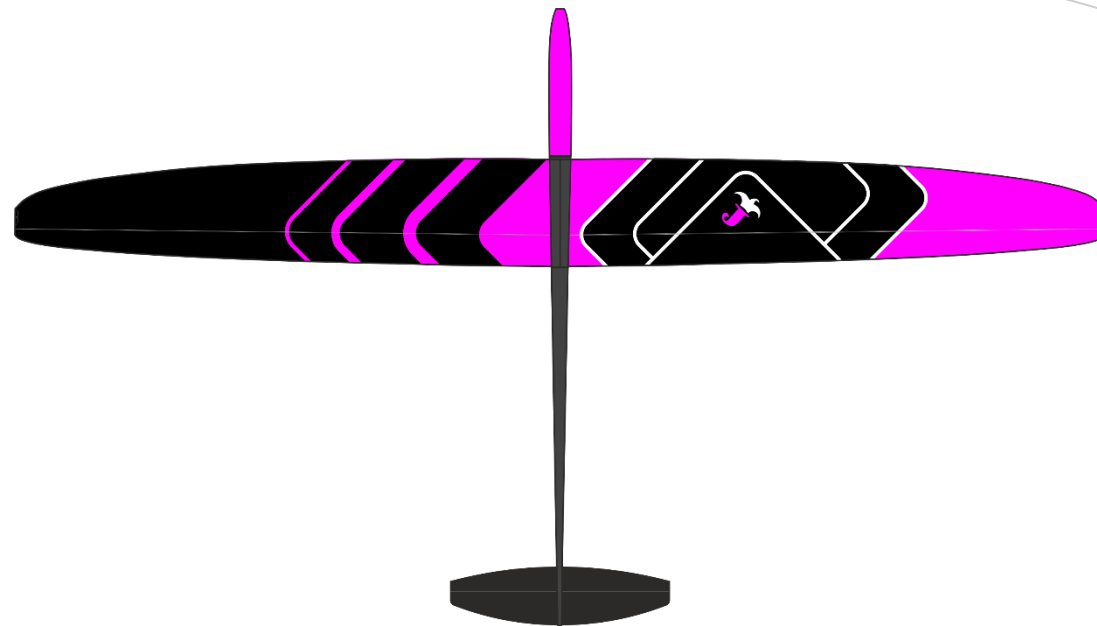


Standard Coloring Schemes

Neon Pink

Recommended coloring scheme
for ultra light model

Other coloring schemes are
available on request



Joker Team



From left to right:

- Volodymyr Makarenko
Aircraft engineer. Joker project owner, designer, manufacturer (3 World Records in F2C / F2C 2022 World Champion / F2C 2023 European Champion / 3 times World Cup Holder F2C)
- Oleksandr Synielytsyi
2005-2022 Vladimir's Model team pilot, manufacturer. From 2022 - Joker team pilot, designer, manufacturer (3-rd place 2024 European Championship F5J / Ukraine national team member F3K 2011-2024)
- Oleksii Synielytsyi
Joker manufacturer (Ukraine national team supporter F3K 2011-2024)
- Igor Butseroga
Joker team pilot (2-nd place 2013 World Championship F3K / 2-nd place 2017 World Championship F3K)



Joker in Action



Joker's Partner



www.chaservo.de





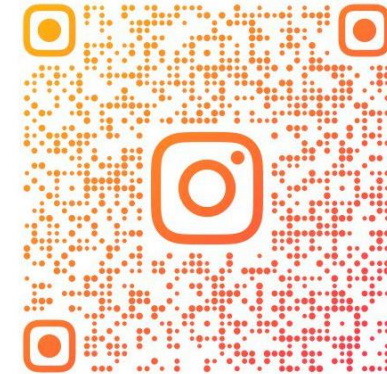
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