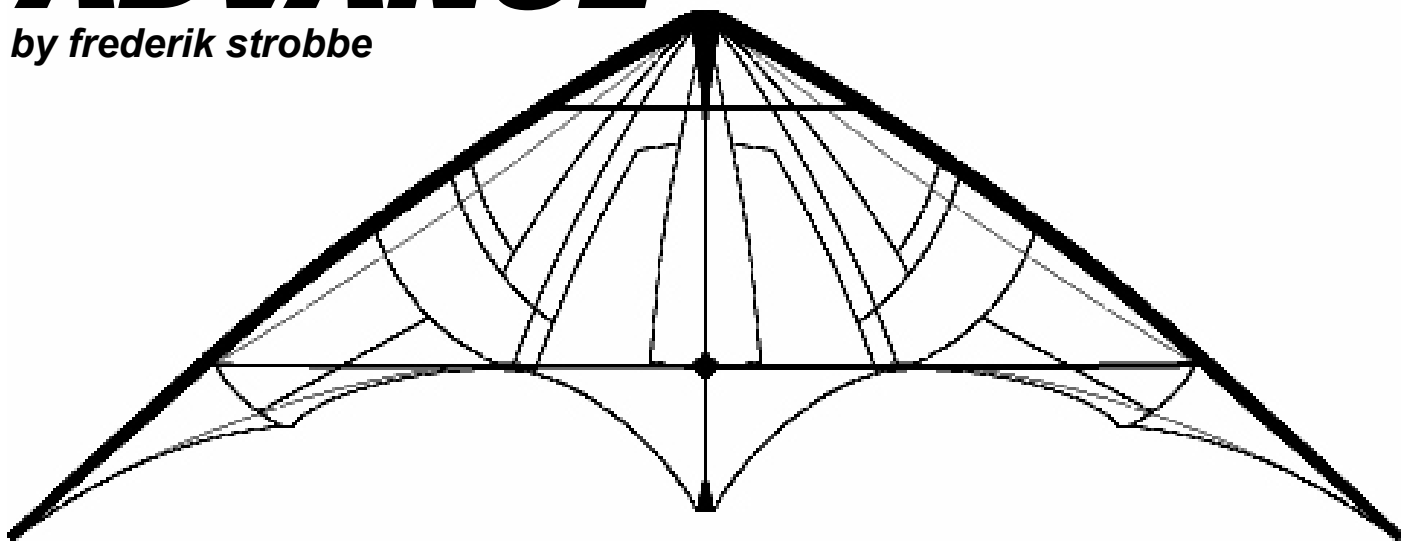


THE HORIZON

ADVANCE

THE PLAN 1.00

by frederik strobbe



The Horizon was designed in 2000 and some alternative versions were made, the Advance version is one of those.

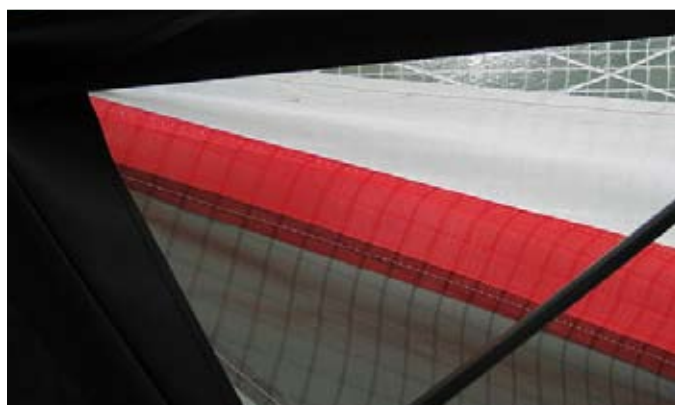
115% larger than the original, the kite is much more precise, a lot slower and gives more feedback than his smaller brother.

A kite really fun to fly and able of the most modern tricks, it's quite radical (partly because of the bridle adjustment that brings the nose forward at a relatively sharp angle and with airbrakes between the whiskers to work as balance against that bridle adjustment)

In a few words you can describe the Horizon as a kite that puts a smile on your face, just fun flying, no worries when tricks sometimes fail (recoveries are easy)

If you have any questions or advice concerning the plan, please mail:

frederik.strobbe@ducaticlub.be



MATERIAL LIST HORIZON:

4x APA connectors 6mm/8mm
4x APA T-pieces/spreadergrabbers 8mm
2x APA T-pieces/spreadergrabbers 7mm
4x 3mm sailgrabbers
1x cross piece 6mm/7mm
7x 6mm endcaps
4x 3mm endcaps
4x 2mm endcaps
2x splitnocks (for G-Force)
18cm 6cm wide seatbelt
10cm 2cm wide velcro
4m 5cm wide dacron (LE)
4m 25mm wide spinnaker (TE)
2x G-Force STD (82,5cm)
1x 1,5m 6mm exel extreme Carbon rods
3x G-Force inner connector (or 8cm
7mm Carbon)
1x 1m 3mm Carbon
1x 50cm 2mm Carbon
10m Bridle Line +/- 40kg
icarex P-31 sail / mylar

INFO ON THE FRAME:

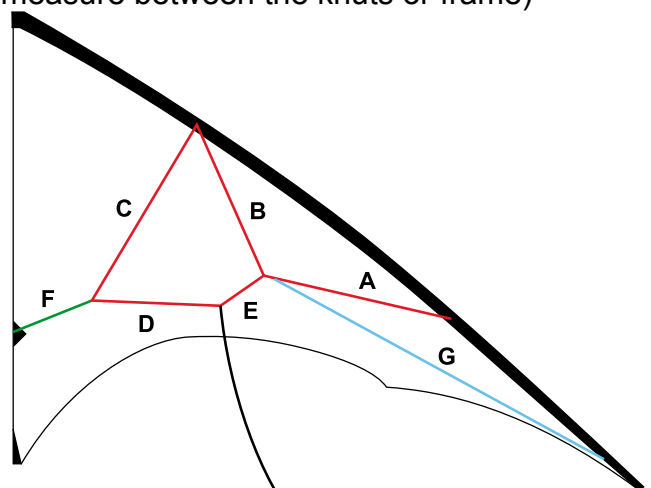
1x 6mm Upper spreader: 60,6cm
2x G-Force Lower spreader: 80,8cm
1x 6mm Spine: 80,5cm
2x G-Force Upper Leading Edge: 68cm
2x G-Force Lower LE: 82,5cm
4x 3mm whiskers: 22,2cm
2x 2mm outer whiskers: 20,5cm

(it could be that the outer whiskers need to be just a bit longer or shorter, make sure there's a little bit tension on the sail, but certainly not to much)

INFO ON THE BRIDLE:

A: 52cm **B:** 43cm **C:** 36,2cm
D: 43,7cm **E:** 16cm **F:** 24cm
G: backspin line, no tension nor slack on this line, length can variate from kite to kite

(note: these are not the lengths that the lines must be cut, but that the bridle lines must measure between the knuts or frame)



INFO:

The Airbrakes:

this is an important part of the Horizon, as the bridle was designed to work especially with those brakes. They're easy to make, 2x a piece of sail 19cm high 7cm wide, finished with trailing edge material and leading edge material, the whiskers will slide trough the LE material

The airbrakes work as some kind of balance, not for flying in heavy winds.

UPPER BRIDLE POSITION:



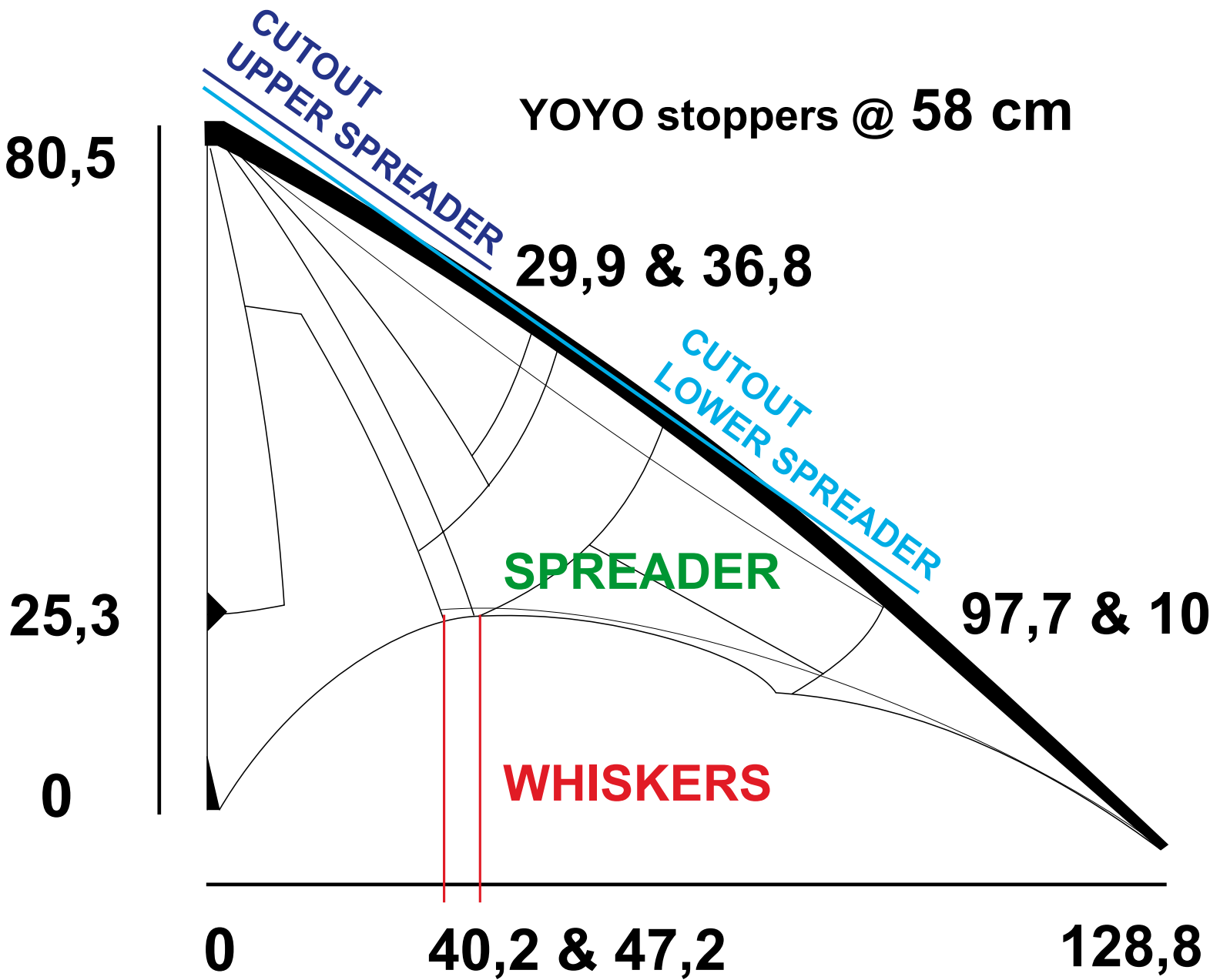
UPPER BRIDLE POSITION:



LOWER BRIDLE POSITION:



HORIZON ADVANCE COÖRDINATES



YOYO STOPPERS @ 58CM FROM NOSE:



VELCRO ON TAIL:

