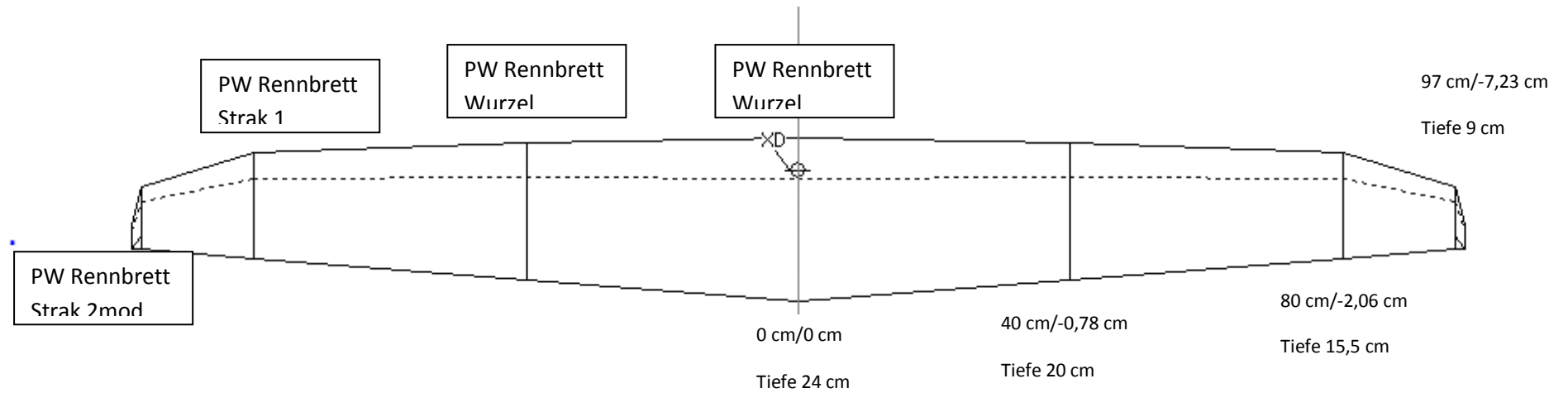


Amokka 1



The trailing edge is straight and swept forward 4,6 degrees

Inner Flap length: 25cm

Flap chord: 25%

Dihedral: 1,5 degree's per side (for thermal guys and girls use more!)

CG: 4,9cm from the leading edge

Flap Settings:

Elevator movement is 4mm up and 3mm down / all flaps / measured from a 1,5mm uptrim position

Aileron movement is 12 up and 12mm down / all flaps – for flying thermals use more outer flap travel than inner

Brake is 17mm down (inner flap) and 5mm up (outer flaps) – very much depending on CG (and a lot of other things 😊)

Remarks:

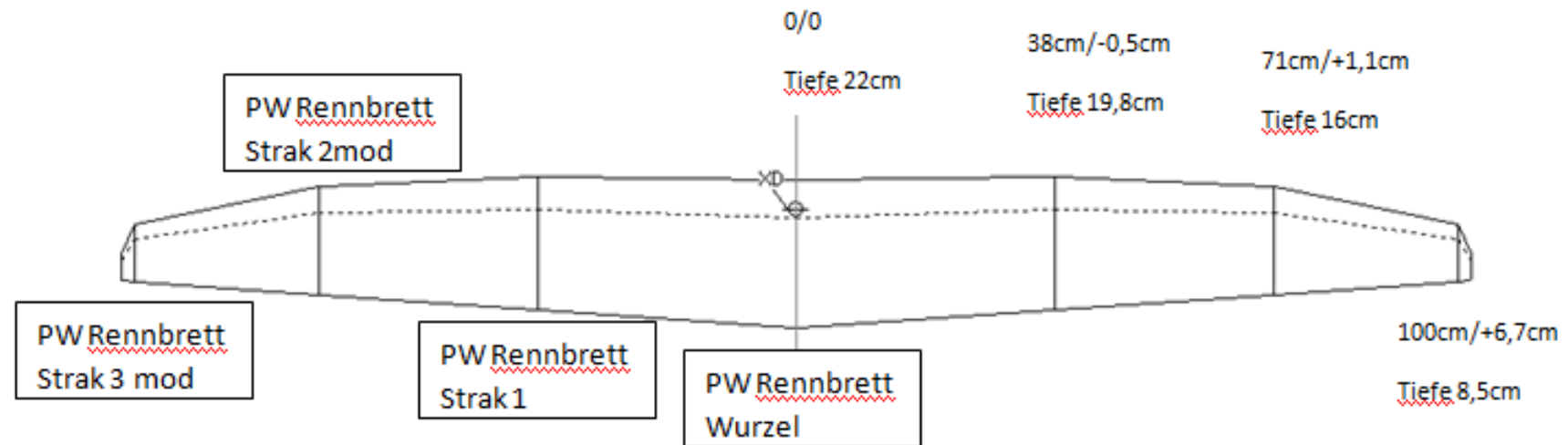
The brake is depending on CG! And sometimes critical to operate! Try it first at height. Use the following tactics to brake: First slow down the plane by using the elevator, then apply the brake, use only one deflection and nothing in between. Do not use a slow function, while applying. Maybe use a curve function on your transmitter for braking at other speeds.

For a start trim all flaps about 1-2mm up (this is the trim for start and slow flight).

Try to run with these settings with the plane over your head and let it go for a short time. It should glide over your head and fall back level into your hands. When it does that, there will be no problems to toss it much longer.

There is no problem to winch the Amokka. My towhook is 2mm in front of the CG. The Amokka launches rather fast with a big zoom at the end.

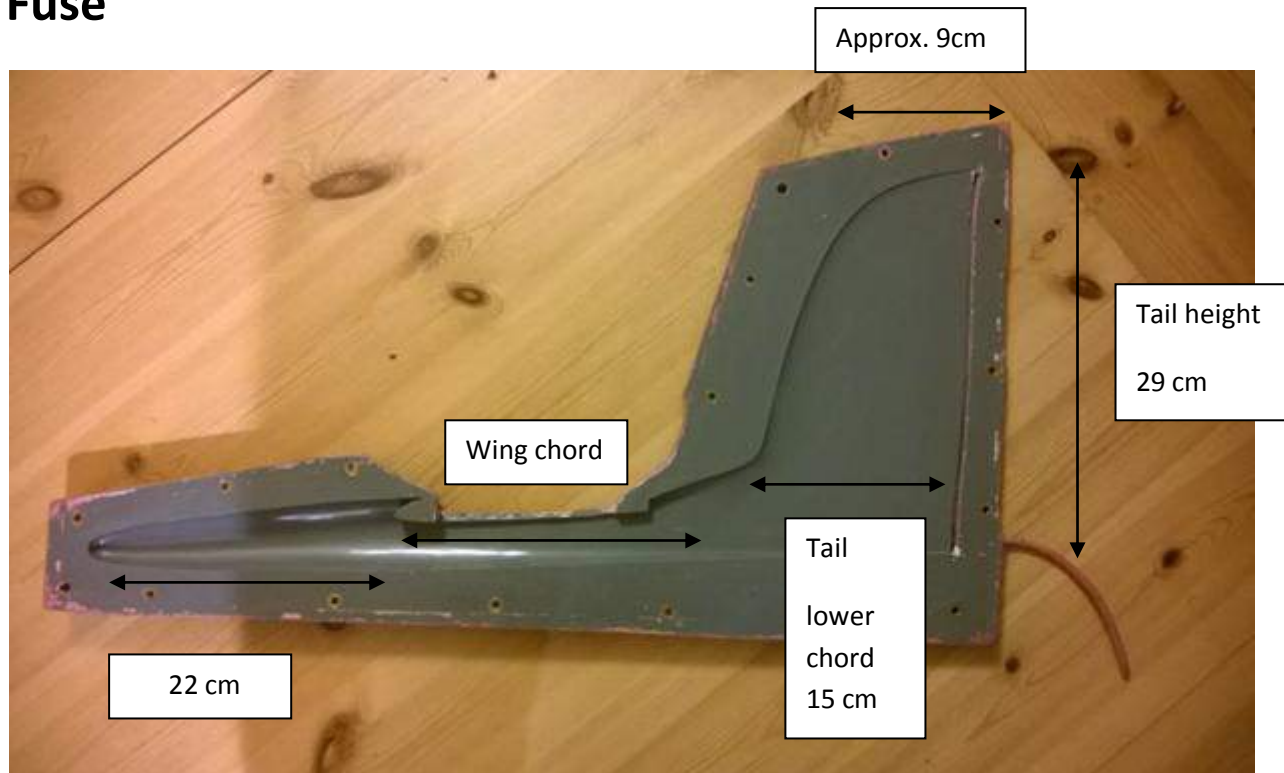
Amokka 1.2 (more advanced wing geometry – but also more work)



The trailing edge is straight and swept forward 4 degrees / the rest the same as Amokka 1

CG: 4,3 cm from the leading edge

Fuse



Fuse Detail



Remarks:

The nose is somewhat too short (I like short noses!), but this means trim weight – make it longer or built lighter behind the CG and yes - you could also build more heavy in front of.

Do not use the sharp end of the tail – it is prone to crack, as the Amokka with the rather short fuse can easily spin a bit at fast landings

Use some of Thierry Platon symmetrical airfoils: <https://planet-soaring.blogspot.dk/2011/07/tailplane-story-part-4-by-thierry.html> and use the TP 60 inches, but make it symmetrical and 6% for the bottom and 5% for the top, then you are very close to the one's I use on my latest planks.

And do not forget – throw it with knees bed (heavy plane!)

