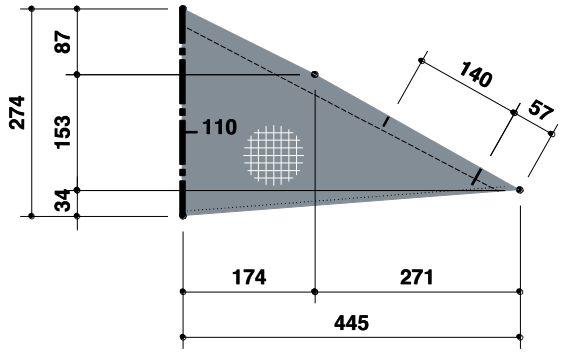
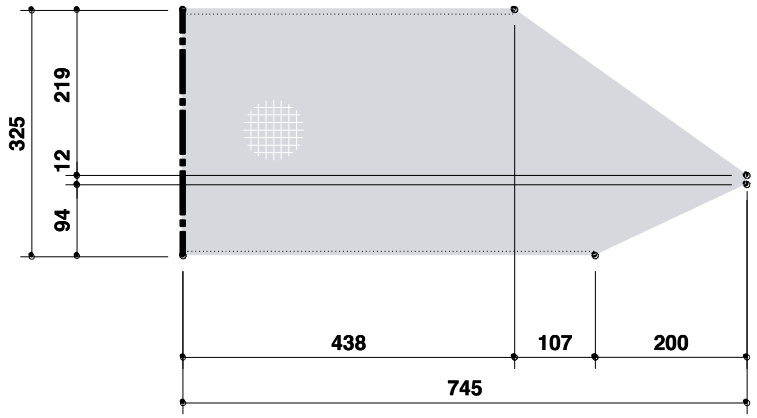
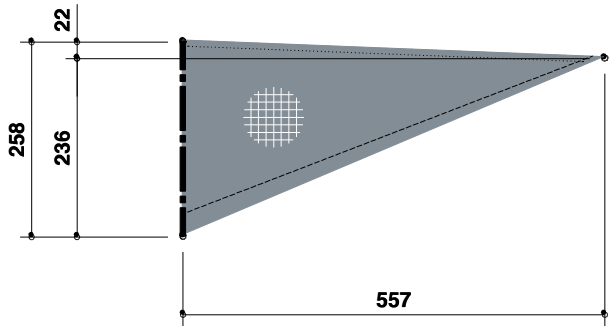
horvath.ch
the swiss kite-lab
have marvelous flights without wind!



upper black panel



white panel



lower black panel

framing avia.125, 3.1 mm carbon tubes, 7.5 g/m:
spine: 865 mm (start with 870 mm), for badest backloops use a solid 4 mm fiberglass rod
spreader: 840 mm
leading edges, same as on the original ninja: 566 mm, stoppers at 138 mm from top

lines, same as on the original urban ninja:
x-line: 820 mm
y-line: 720 mm
z-line: 130 mm
bridle: 600 mm or 620 mm
leader line: 720 mm

the icarex leading edges: 30 x 874 mm, for the trailing edge seam cut pieces of 12 x 812 mm, which is a bit stronger than on the original.

the building procedure for making this kite is the same as for the original urban ninja:
see at www.horvath.ch
all details are also the same, except the nose, which is a dacron piece of 35 x 70 mm on the bad, instead of 25 x 50 mm on the original ninja kite.

the dashed lines at the upper leading edge and the inner trailing edge show reinforcements of adhesive icarex.

when printing, turn off options like „fit to paper“ or „an papiergrösse anpassen“.
print at 100% to get a plan 1:10 on an a4 sheet.
all dimensions are mm, millimeters.

the urban ninja kite project:

the bad

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