

UP 

Fun & Easy Series
UP Pico

A glider for any and all

Pico

The Pico marks UP's entry into the para-alpinism market segment. Our goal was to build a wing that could be used for almost any kind of paragliding activity, and to build it light so that it would be a pleasure to carry no matter where and how high. The result is a noble mix of an agile and fun DHV1 wing built in a very strong yet light way.

The cloth used is all between 36 and 40g/m (standard in the industry) yet the total weight of the canopy has been kept extraordinarily low. Same goes for the risers – they are reassuringly built yet very light, and retain the UP typical ease of use which our pilots have come to expect. The upper lines are



Equally at home at high altitudes and on the school hill, the UP Pico is a truly versatile paraglider

The result is a noble mix of an agile and fun DHV1 wing built in a very strong yet light way. Because we feel that a UP paraglider should have a long and stress-free service life regardless of its appointed use, we opted to steer clear of all the new insufficiently tested materials used in many of our competitors' products. The UP Pico is a lightweight wing but it is made with longevity in mind.

manufactured using the new unsheathed Dyneema race material also used in the Trango 3 and the Summit XC, whereas the lower lines are made from the more traditional sheathed Dyneema.

The Pico is not only a lightweight wing, it is a wing for every occasion – only lighter than the rest.

► UP Pico – A glider for any and all

A pleasant bonus benefit of the line material used is that the Pico has quite impressive performance figures for its class – you'll notice the difference right away, both when gliding and when thermalling. Lots of fun too, without ever overburdening the pilot in any way.

Reduced drag is even more beneficial once the pilot starts to apply speed bar, something that the Pico is a fine example of. The speed bar travel converts into speed in a linear manner until the top speed of 50km/h+ is reached, and the sink rate remains sensible all the way – the Pico simply offers more.

► Lightweight construction inherited from the comp scene

One of the tricks for making the Pico so light was to incorporate the UP ASS (Airfoil Stabilising System) into the Pico leading edge. This means of LE reinforcement was originally developed for the UP Edge, the purpose on the

Pico being to eliminate the need for any Mylar reinforcement in the leading edge at all. The Pico ASS

system uses thin nylon battens along the stitching on all cell walls to hold the air vents open and reinforce the leading edge at speed. Add to this the fact that these nylon battens are unsusceptible to bending and it follows that there is no longer any need for accordion folding. Regardless of how the Pico is packed away it will retain its perfect launch characteristics for years. And should one nylon batten accidentally break (if someone steps on the wing on launch f.eks.) it may be replaced in no time flat. And just to reiterate; there are no catch 22's with the ASS system – the DHV test protocol shows that even the collapse behaviour is picture perfect in spite of this new and very light LE reinforcement system.



► Sizes and suitability – the UP Pico user hook-in weights

Due to the very high inherent stability of the Pico design we were able to certify the glider with higher than usual hook-in weights. As an example the S size is certified for 70-95kgs, where we consider the 90-95kgs range slightly overladen. This has no negative effect on the climb rate, but will give a slightly more agile wing with even higher top speed. If you would rather not fly like this you should make sure to be about 5kgs beneath max. Loading.

The reasoning behind this is that particularly in para-alpinism it is quite common to load the wing up high, and we wanted the pilots to be able to do so without compromising the certification.

► Extreme sizes – XXS and XXXS

In addition to the standard sizes we offer two smaller versions, the XXS and the XXXS. These two will appeal to pilots focusing primarily on the para-alpinism side of things, for whom the paraglider is mainly just a quick way down. Due to their small size and light construction both wings are very light indeed (the XXXS weighs only 3.3kgs). But since they are built from the same materials as we use on all our other wings, these extreme climbing



The ASS Leading Edge reinforcement system significantly reduces canopy weight and guarantees perfect inflation even after many years of frequent imperfect canopy folding

machines will last as long as any other UP wing. Even at these high wing loadings the Pico remains a pleasure to fly, but things do happen faster on a highly laden wing so we recommend a certain amount of experience and respect when using.

► UP Soft Riser Maillons

The new line connectors come directly from skydiving, where they are used exactly as we use them here, to connect the lines to the risers. The new links reduce the risers' weight quite considerably whilst maintaining the user-friendliness of standard UP risers.



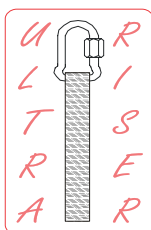
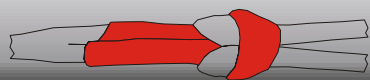
UP Soft Line Connectors – tested and approved for skydiving the new UP line connectors are light but strong}

► Loop Sleeves and other innovative solutions

In order to increase strength and reduce wear UP uses the so called Loop Sleeve Protection for joining lines. The Loop Sleeves are threaded

over the lines prior to assembly and serve to both increase the diameter of the loop and minimise line-on-line wear.

LOOP SLEEVE PROTECTION



„The Pico also uses the UP specific Ultra Risers, made from Kevlar reinforced webbing only 12mm wide. These risers have been tested on UP performance wings over many years and are actually stronger than the traditional riser band material.

The Dyneema lines are all pre-stretched to ensure that future line stretch is kept to an absolute minimum. The careful manufacturing process sees to it that only insignificant changes in line lengths should occur during the



normal service life of the paraglider.

UP Pico – 12mm Kevlar/hybrid risers ensure user friendliness and lightness at the same time

► Materials

The UP Pico is built exclusively from the best materials available. The canopy is made from the time- tested NCV Porcher cloth, and the riser material has been used by UP for years with only positive feedback from the customers.

The lines are a mix of the sheathed and the unsheathed variety, with the unsheathed race lines being made from Dyneema by the Liros company. The advantage of using Dyneema as opposed to f.ex. Aramide is that Dyneema does not loose any significant strength over

time. This means that the UP Pico has the same two-year check intervals as gliders with normal lines, in spite of the unsheathed gallery lines.

► Further UP Pico particulars

- Light weight
- Strongest materials for longevity and safety
- Small packing volume
- Perfect launch characteristics
- Agile and direct handling
- Freefall-tested line/riser connectors
- DHV 1 in sizes XS, S and M
- Small sizes XXS and XXS for extreme use
- Fully functional semi-traditional risers
- Excellent performance polar with high trim- and top speed
- Very high inherent stability
- Safe reactions to collapses; slow turn, insignificant dive and easy to catch
- Two-year check interval in spite of unsheathed lines
- Dirt Pocket for clearing debris from ears
- 3 year warranty




Due to its perfect launching characteristics the UP Pico excels even in less-than-perfect launch conditions.

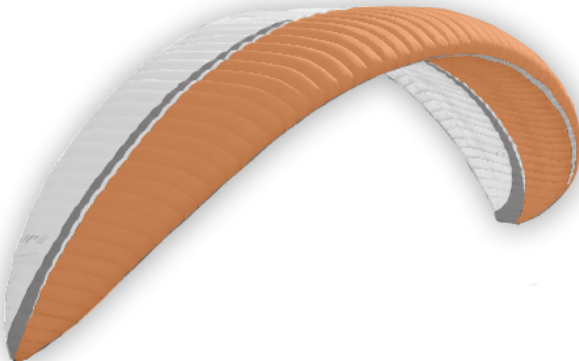
► Design – why not make your very own UP Pico

The characteristic UP stripe combination allows for virtually endless individual combinations. The UP web page has a tool where you may select the colours for your new wing – simply select the Pico from the dropdown menu and start playing!


With eight colours to choose from, and eight wing sections to colour, the variations are simply endless. The colour chooser tool shows all your creativity right there in front of your eyes so there's no excuse not being one of a kind in the air!



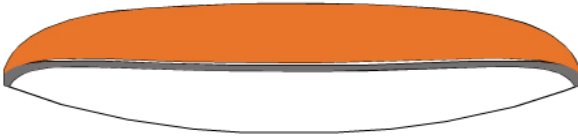
BUILD YOUR GLIDER



Top Surface



Bottom Surface



Glider model:
Summit XC

Glider size:
SM

TOP SURFACE

Leading Edge Section:
Orange

Narrow design stripe:
White

Broad design stripe:
Dark Grey

Trailing edge section:
White

BOTTOM SURFACE

Leading Edge Section:
Orange

Narrow design stripe:
White

Broad design stripe:
Dark Grey

Trailing edge section:
White

Contact:

Customer name:


Customer email:

Dealer name / Country:

Dealer email:

Comment:

submit



- Sunflower
- Gold
- Orange
- Deep Blue
- Deep Red
- White
- Dark Grey
- Black

Design and colour tool at:
www.up-paragliders.com

► Technical specifications

Size	XXXS*	XXS*	XS	S	M	L*
Wing area real [m²]	18,19	21,61	24,35	26,60	28,80	31,18
Wing area projected [m²]	15,79	18,75	21,13	23,08	24,99	27,06
Wing span real [m]	9,44	10,29	10,92	11,41	11,88	12,36
Wing span projected [m]	7,54	8,22	8,73	9,12	9,49	9,88
Aspect ratio real	4,9	4,9	4,9	4,9	4,9	4,9
Aspect ratio projected	3,6	3,6	3,6	3,6	3,6	3,6
Number of Ribs	43	43	43	43	43	43
Number of Supported Ribs	30	30	30	30	30	30
Number of Cells	42	42	42	42	42	42
Total line length [m]	276,2	300,9	323,4	333,9	347,5	361,6
Total # of lines	246	246	246	246	246	246
Line diameters [mm]	0,8 / 0,85 / 1,5					
Weight [kg]	3,30	3,75	4,20	4,45	4,75	5,10
Speed trimm/max [km/h]	38 / 52	38 / 52	38 / 52	38 / 52	38 / 52	38 / 52
Speed. take of weight 90 kg [km/h]	42 / 56	40 / 54	-	-	-	-
DHV Classification	BEP	BEP	1-2	1	1	1*
DHV take off weight [daN]	-	-	60-85	70-95	80-110	100-130
Recommended take off weight [daN]	~ 50***	~ 63***	60-80**	70-90**	80-105**	100-125**
Description	Mountain-, Light- and Allround-Glider					

* As of February 01th 2008. Technical specifications could change during development.

** At the upper weight range (last 5 kg) the glider is slightly overloaded

*** With the declared take off weight the glider reaches "Speed trimm/max [km/h]"

Materials

Fabric

- Top / Bottom sail (front): NCV Porcher Marine 9017 E38A 40 g/m²
- Top / Bottom sail (rear): NCV Porcher Marine 9017 E68A 36 g/m²
- Ribs: NCV Porcher Marine 9017 E29A 40 g/m²



Lines and riser

Cousin Trestec Ultimate® 989
Liros Dyneema DC
Polyester 12,5 mm with Kevlar



Links and Reinforcements

UP Line Links – Special line connections
from sky diving sports

Dimension
Polyant



Included in delivery

- Ergonomic Backpack
- Speed System
- Inner Bag and Riser Bag
- Compression Tape
- Detailed Operating Instructions
- Portfolio
- Sticky Cloth
- UP Sticker and Flying Disc

► UP Pico Gallery



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