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**UP** 

**Performance Series  
UP Summit XC**

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**Unlimited possibilities**

# Summit XC

The Summit XC: UP's new Intermediate is the perfect example of a wing combining great passive safety with total flying pleasure. Thanks to the new Hybrid Synergy Profile the Summit XC has superior performance but also the safety of a true intermediate wing. This makes the Summit XC the right choice for an unusually large pilot group – in fact, pilots coming from almost all glider classes will have fun on a Summit XC.



**Right down to the elegant outline the new Summit XC something out of the ordinary**

Your everyday wing is a DHV1-2 but you are beginning to feel like getting a bit more of everything. You want to develop, go further, higher, but you are unsure if the time is ripe for a DHV 2 wing? This wing was made for you! Performance has never been so easy to handle!

You have been flying for ages, flown gliders in all the different classes and yet somehow you seem to have forgotten how FUN paragliding can be, how broadly you used to smile when you landed? The Summit XC will teach you all that again, and more – it'll put the FUN back into flying, and let you get some distance under your belt.

You are already a DHV 2 pilot, on the prowl for a new Performance Monster? The Summit XC combines the best of both worlds – performance and passive safety – and is your first choice if you're after more performance in your usual class.

**XC as in Cross Country! The Summit XC is earnest about its name**

► **Perfect Allrounder – the Summit XC at a glance**

The Summit XC's big brother is the UP Trango 3. This wing has already found scores of followers all over the world, due to the excellent combination of very high performance and very good passive safety. These pilots know that this is what it takes to feel good about flying; a safe feeling combined with sufficient performance – and this is exactly what the Summit XC has inherited from the Trango 3. UP has managed to take these characteristics and build them into the new DHV 2 wing. This is a wing that will transmit a good feeling right from the moment you launch. The canopy is clean and solid, collapses are, if they even happen, unspectacular events and the wing fulfils easily the criteria for the DHV 2 tests. All this with performance figures that are comparable to wings in a higher class than this...

These characteristics make the Summit XC the perfect allround flying machine, appealing to pilots of quasi all levels; the up-and-coming performance pilot, the Weekend Warrior, the XC ace, even pilots stepping down from the higher classes.

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Due to the high inherent safety this is also the perfect wing to for pilots stepping up from a 1-2 wing.

► **Hybrid Synergy Airfoil – the new yardstick in the DHV 2 class**

Just as the goal for the Trango 3 was to improve not only performance but also safety over the predecessor, so it has been the goal while designing the Summit XC. So the wing remains true to its roots in spirit if not in blood as it is the first Summit from UP to have a profile designed exclusively for itself. The profile is inspired by the Trango 3 profile but it has been adapted to fit the Intermediate class and is thus an entirely new design.

We call the new Profile the Hybrid Synergy Airfoil, and we're proud of the fact that we have managed to give the wing the best of both the Fun&Easy Class and the UP high performance wings. The result is a totally new concept with performance comparable with the 2-3 class yet safety more associated with the 1-2 class.

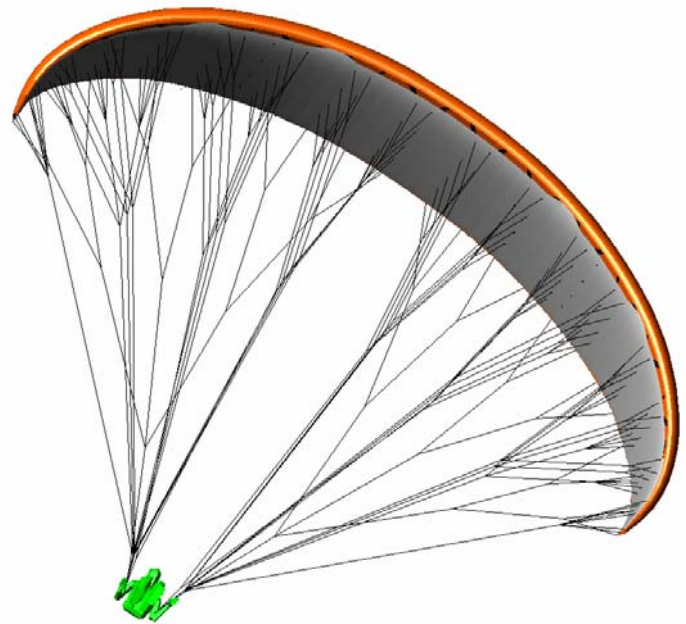


The best of both worlds – basic gliders and comp glider – a new design with the following advantages:

- perfect performance
- optimal safety
- high-performance feel

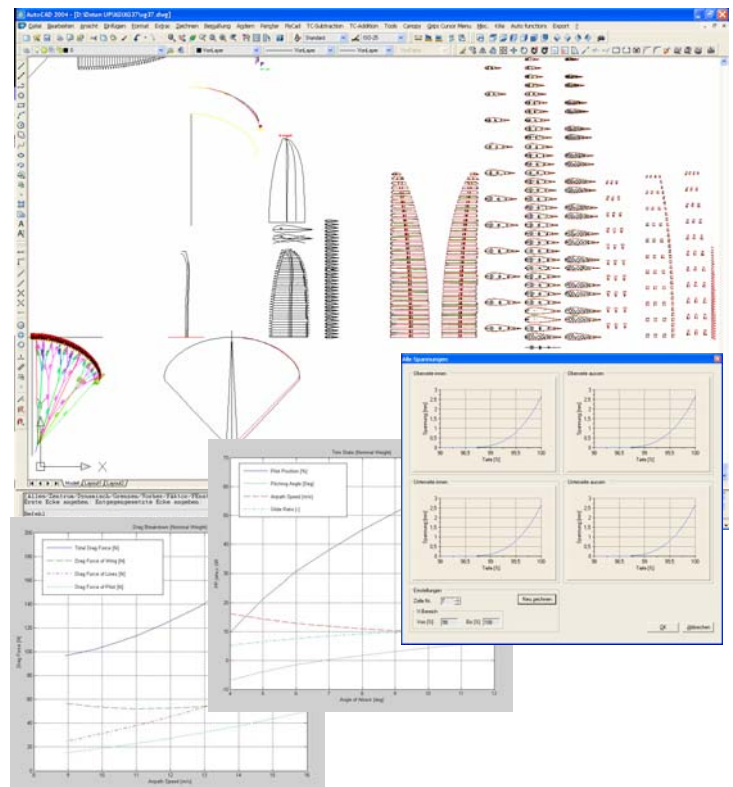
► **Performance data – reads like something out of a comp wing data book**

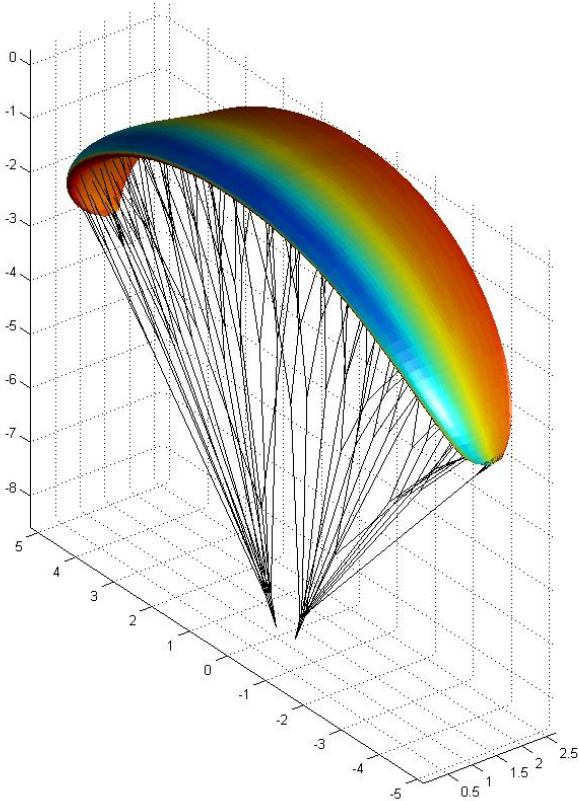
Main focus area during the development phase of the Summit XC was the improvement of the key performance figures in comparison to the predecessor. We wanted a wing with higher trim speed and better L/D at all speeds, and through the use of our two advanced software packages we could begin to compare on the virtual 3D models right from the outset of the drawing process. We design using the "LT Parafoil" and calculate performance with the "Paralabs software packages. Combining



**Elaborate virtual simulations on 3D-Models have allowed us significant performance increases on the Summit XC**

the two allowed us to draw a wing that at least in the virtual world was significantly better, and the real-life refinement and testing showed that the computer models were right.





The software packages used by UP are called ParaLabs and Parafoil. They are the backbone of the development process and the secret behind our successful quest for more performance with safety you can handle

► **BTS – our way of spelling**  
*Extraordinarily Precise and Dynamic Handling*

UP gliders are renowned for their excellent handling, and the Summit XC is no exception. Flat turn or tightly banked up; the agile wing follows your commands like an extension of your body and never surprises due to delayed reactions. The handling is a product of the UP typical BTS system and makes thermalling easier and more relaxed than you have been accustomed to. As an extra benefit the wing climbs like few others so that even the mealiest thermals become gateways to the coveted cloud base, from where you can look down upon your flying mates with gleeful eyes. We're confident that you'll be keeping up with pilots flying much hotter wings in the thermals, and you'll be having an easier time doing it than them. Combine this with a handling that is sure to make you laugh out loud and you have a package that will deliver in any and all flying conditions.

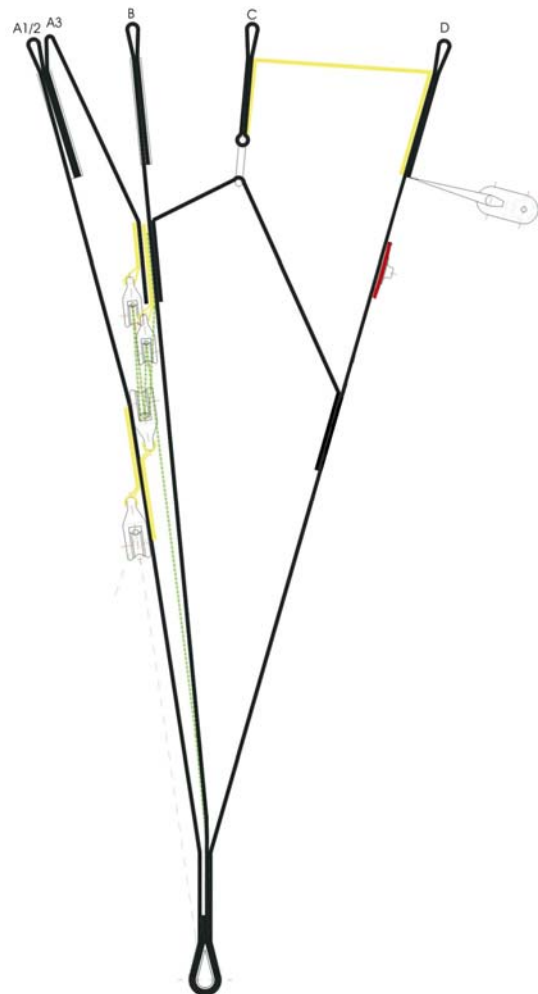
► **It is in the details that the breed is discerned – Loop Sleeves and other UP solutions**

In order to achieve higher strength and reduced abrasive wear on the lines, UP incorporates the so-called Loop Sleeve Protection on the Summit XC. The line loops are reinforced with little sleeves so that the line materials are not in direct contact, to the benefit of both strength and longevity.



The pre-stretched Dyneema lines reduce post-production line stretch to an absolute minimum, and our meticulous production procedures further reduce the expected stretch, even on intensively flown wings.

The unsheathed Dyneema lines reduce drag and increase performance without compromising the overall glider strength.



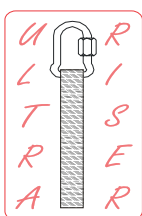
Summit XC – 12 mm Kevlar risers straight from the competition scene aid in achieving a high top speed in conjunction with good glide performance.

## ► Features

The „BTS“ (Brake Tension System) is a way of organising the trailing edge of the wing that guarantees perfect feeling through the brakes.



Our „HCS“ (Honey Comb System) is almost like a space frame structure inside the canopy. The frame consists of a number of vertical, diagonal and horizontal elements and ensures a canopy shape that remains unchanged regardless of loading, turbulence etc.



„Ultra Riser“ – The well-known UP comp risers are made of high-strength Kevlar reinforced band measuring only 12mm across. The line maillons were developed exclusively for these risers by Peguet. In spite of the very low drag, these risers fulfill all the expectations to a riser system on a modern paraglider both in terms of user-friendliness, functionality, longevity and pure strength.

## ► Materials

UP uses only the best materials available. The Summit XC is, like all UP wings, built from NCV Porcher cloth. The risers are also made from tried and tested materials.

The lines are a mix of sheathed and unsheathed, with the middle and gallery lines all being made from unsheathed Liros Dyneema. The advantage of this material is that it doesn't weaken over time like Aramid lines do. This means that we have kept the same check intervals as for wings with normal sheathed lines in spite of having the majority of the lines unsheathed. Traditionally, gliders with unsheathed lines have had shorter check intervals than the usual 2-year one stipulated by the DHV, but the Summit XC ends this trend!

## ► Further highlights

- high trim- and top speed with a flat polar curve even at top speed
- very high stability at all speeds
- great passive safety during collapses – slow turning, dampened dive and easy to catch over the brakes
- super easy launch
- superior climbing ability in thermals
- new improved speed system for a flatter polar at higher speeds
- BTS for the perfect UP feeling
- Trademark UP handling – precise and agile
- Two-year check intervals in spite of the largely unsheathed lines
- Pocket for “DHV Gütesiegelplakette”
- Dirt-Pocket for removing debris from the canopy interior
- Ultra Riser: 12mm Kevlar Race risers with exclusive Peguet line maillons
- 3 year warranty\*



**Stress free and comfortable to fly, the UP Summit XC is made for long cross country flights**

► **Design – why not make your very own UP Summit XC**

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 Summit XC 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!

**UP**

**BUILD YOUR GLIDER**

**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](http://www.up-paragliders.com)

## ► Technical Specifications

Size	S	SM	M	L*
Wing area real [m <sup>2</sup> ]	26,0	27,7	29,0	31,8
Wing area projected [m <sup>2</sup> ]	21,8	23,2	24,5	26,7
Wing span real [m]	12,4	12,8	13,1	13,7
Wing span projected [m]	9,5	9,8	10,0	10,5
Aspect ratio real	5,95	5,95	5,95	5,95
Aspect ratio projected	4,12	4,12	4,12	4,12
Number of Ribs	62	62	62	62
Number of Supported Ribs	32	32	32	32
Number of Cells	61	61	61	61
Total line length [m]	375,1	386,5	397,0	414,4
Total # of lines	250	250	250	250
Line diameters [mm]	0,8 / 0,85 / 1,5			
Weight [kg]	6,1	6,4	6,7	7,3
Trimmspeed [km/h]	≥ 38	≥ 38	≥ 38	≥ 38
Maximum Speed [km/h]	≥ 52	≥ 52	≥ 52	≥ 52
DHV Classification	2	2	2	2*
DHV take off weight [daN]	65-85	75-95	85-105	100-125
Description	Performance Intermediate			

\*As of November 23th 2007. Technical specifications could change during development.

## Materials

### Fabric

- Top Sail: NCV Porcher Marine 9092 E85A 45 g/m<sup>2</sup>
- Bottom Sail: NCV Porcher Marine 9017 E38A 40 g/m<sup>2</sup>
- Ribs: NCV Porcher Marine 9017 E29A 40 g/m<sup>2</sup>



### Lines and Riser

Cousin Trestec Ultimate<sup>®</sup> 989  
Liros Dyneema DC  
Polyester 12,5 mm with Kevlar



### Links and Reinforcements

PEGUET  
Special 3,5 Links



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 Summit XC Gallery



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