



# THETA ULS

Product presentation

ADVENTURE TOURER



# THETA ULS

Leave the paved path

Our new Adventure Tourer is made for challenging projects far from the crowds. The ultra-light THETA ULS is the adventure-enthusiast's essential supporter for adventurous hike-to-fly and vol-biv forays into unfamiliar terrain.

Since 1988 our paragliders are named after letters in the Greek alphabet. THETA lies between EPSILON and IOTA. The ultralight THETA ULS sits between the EPSILON and IOTA DLS models to complete the EN-B segment.

The new THETA ULS incorporates OMEGA ULS X-Alps technology, and combines IOTA DLS performance with EPSILON DLS feel-good factor. It's an all-rounder that makes higher-classification performance available to a wide range of pilots.

## ADVANCE INTERMEDIATE WINGS

BASIC

EN/LTF B

HIGH

ULS

Ultra Lightweight Structure



DLS

Durable Lightweight Structure







# ADVANCE

Pioneering spirit and Swiss precision  
Our story

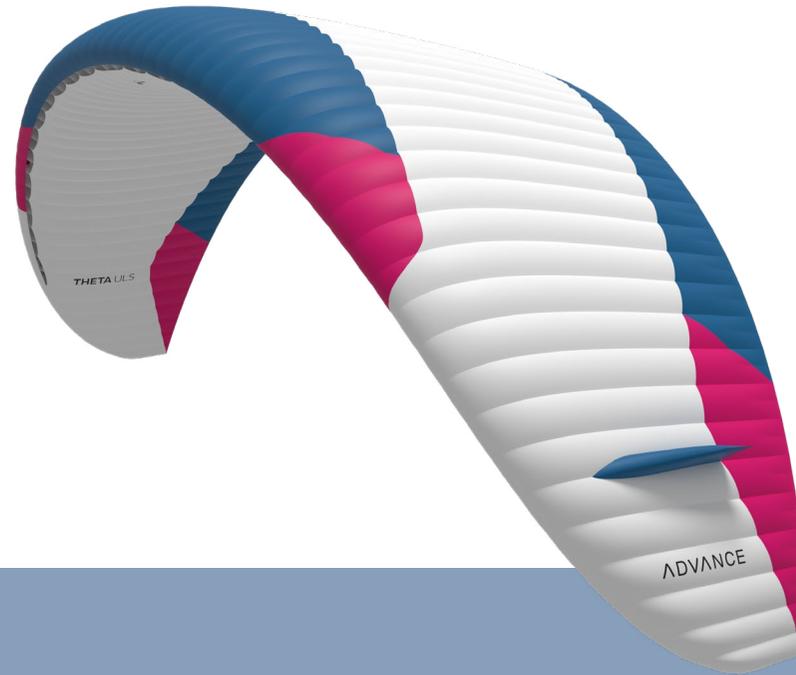
Enable our ideas to fly, that's what we do. For more than 30 years, ADVANCE have kept the needs and wishes of our pilots at the forefront. With Swiss precision we refine model after model. Highest quality and absolute reliability have our top priority, in the air and in our customer service. So from pioneers we have become perfectionists, and a leading worldwide comprehensive service provider.





# THETA ULS

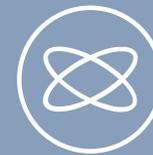
Leave the paved path



ULTRA-LIGHT



EASY GOING



UNIVERSAL



# THETA ULS

## Quick facts

- **Ultralight compact mid-B wing from 3.10 kg.**
- **Accessible performance** comparable with higher classifications, with the passive safety of lower wing classes.
- **Noticeably higher flying comfort** together with balanced pitch behaviour delivers fatigue-free flying.
- **Very good take-off and landing characteristics**, helps with tricky en-route landings.
- **New size range:** 21 & 23 sizes are smaller than EPSILON DLS and IOTA DLS equivalents.



# THETA ULS

## Pilot requirements

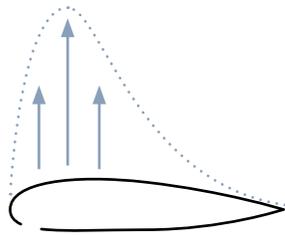
The THETA ULS has EN/LTF B certification and is intended for pilots with several years of flying experience who fly regularly (40 hours or more per year) and already have thermal flying experience.

An active flying style using brakes, speed system and/or riser control (C-Handles) is required. The pilot must be able to recognise canopy disturbances at their onset, and be able to oppose them by means of adequate, appropriate and timely control response. In addition he must be fully familiar with the normal fast descent techniques and be capable of using them when required.



# THETA ULS

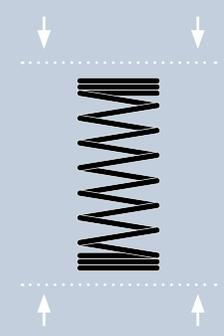
New generation of wing profiles for better performance and comfort



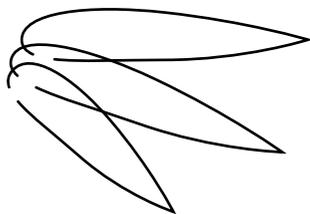
## CENTRE OF PRESSURE STABILITY

### PROFILE

A new-generation profile gives a better longitudinal pressure distribution for optimal pitch behaviour and a softer-feeling canopy.



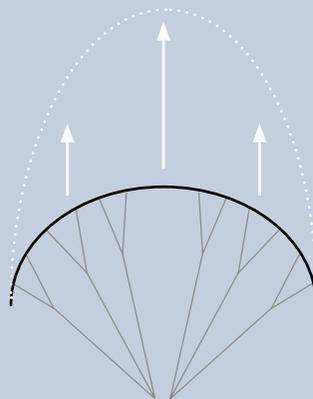
**SOFTER**  
**CANOPY TENSIONING**  
The glider provides pleasantly damped feedback. Turbulence bumps are better absorbed thanks to reduced canopy tension loads.



## OPTIMISED

### CAMBER AND TWIST

Based on the new profile family, aerodynamically-achieved twist has been redesigned and optimised in terms of lift distribution.



**CENTRED**  
**LIFT DISTRIBUTION**  
The wing tips now generate less lift, and therefore transfer fewer lateral disturbances to the pilot. This provides a smoother, more pleasant flight behaviour.



# ULS



## ULTRA LIGHTWEIGHT STRUCTURE

WE ARE LABELLING OUR ULTRA LIGHT PRODUCTS WITH THE ABBREVIATION ULS. ULTRA LIGHTWEIGHT STRUCTURE MEANS UNCOMPROMISING LIGHTNESS COMBINED WITH MAXIMUM COMPACTNESS. OUR ULS PRODUCTS HAVE BEEN DEVELOPED FOR EXTREME AS WELL AS SPECIFIC APPLICATIONS.

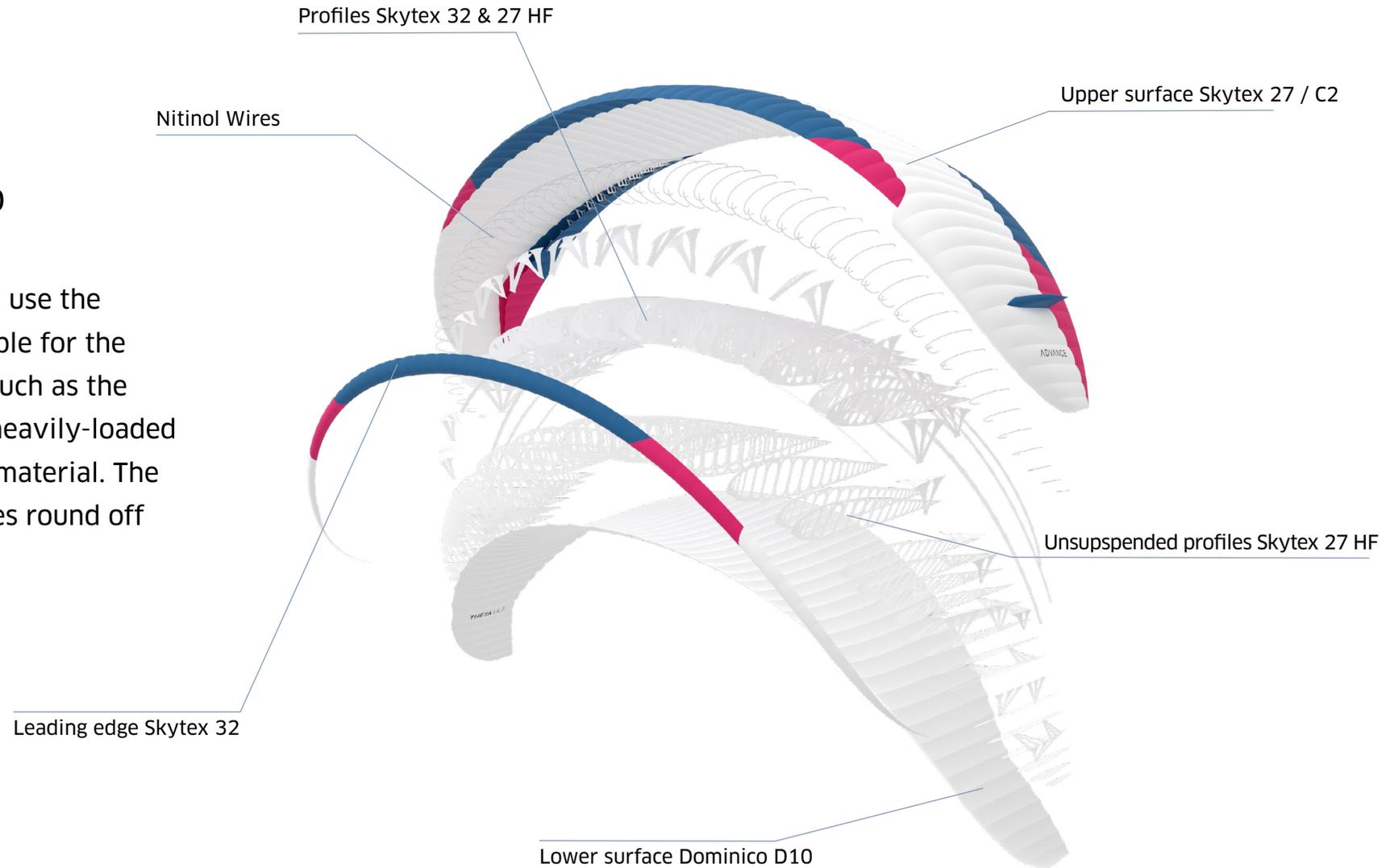


# THETA ULS

## ULS Philosophy

### LIGHTEST HIGH-END MATERIALS

Like the OMEGA ULS, we use the lightest materials available for the THETA ULS. Only areas such as the leading edge and more heavily-loaded ribs are made of 32 gm material. The super-elastic nitinol wires round off the ULS concept.



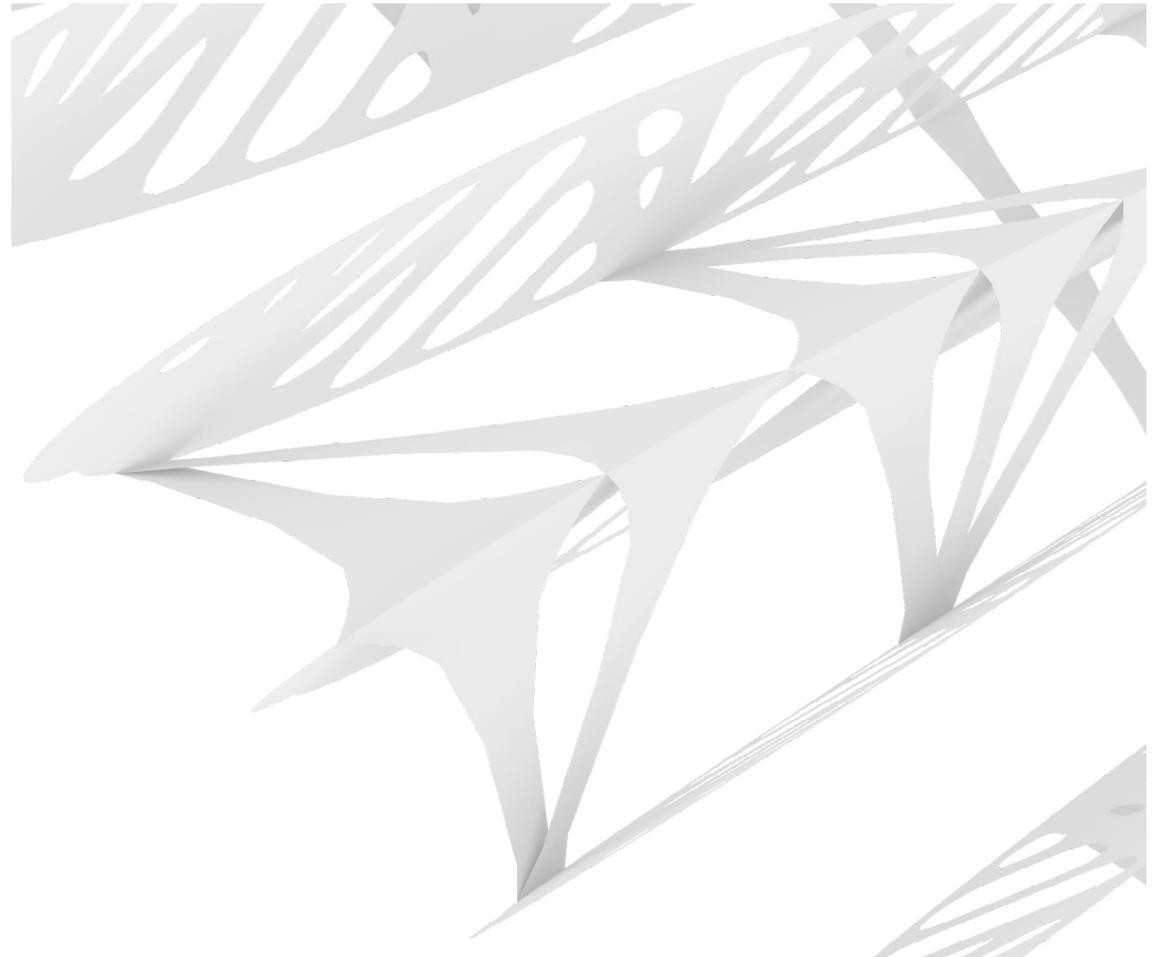


# THETA ULS

## ULS Philosophy

### MAXIMUM INTERNAL WEIGHT REDUCTION

With the latest iteration of Sliced Diagonals our development team have raised the bar to a new level. Maximum profile rib cutouts also save weight. The THETA ULS clearly shows its OMEGA ULS competition DNA.



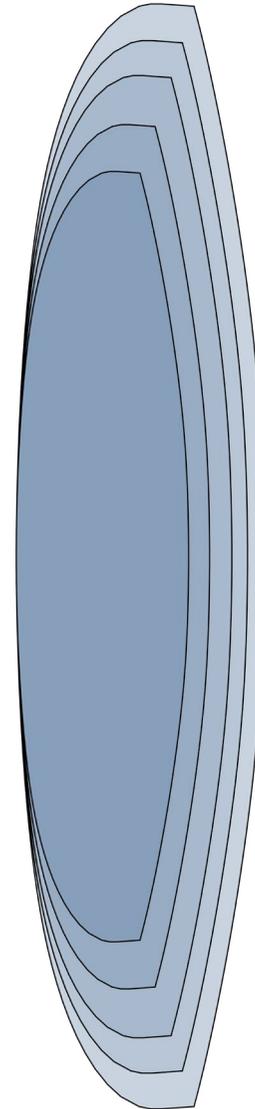


# THETA ULS

## Sizing

### IDEAL WING LOADINGS FOR THE SMALLER SIZES

Wing areas of the smaller two sizes have been adjusted to better suit 55-73 and 65-85 kg take-off weight pilots. Sizes 21 and 23 are up to half a square metre smaller than comparable EPSILON DLS and IOTA DLS models. Light pilots will more easily find their optimum wing loading.

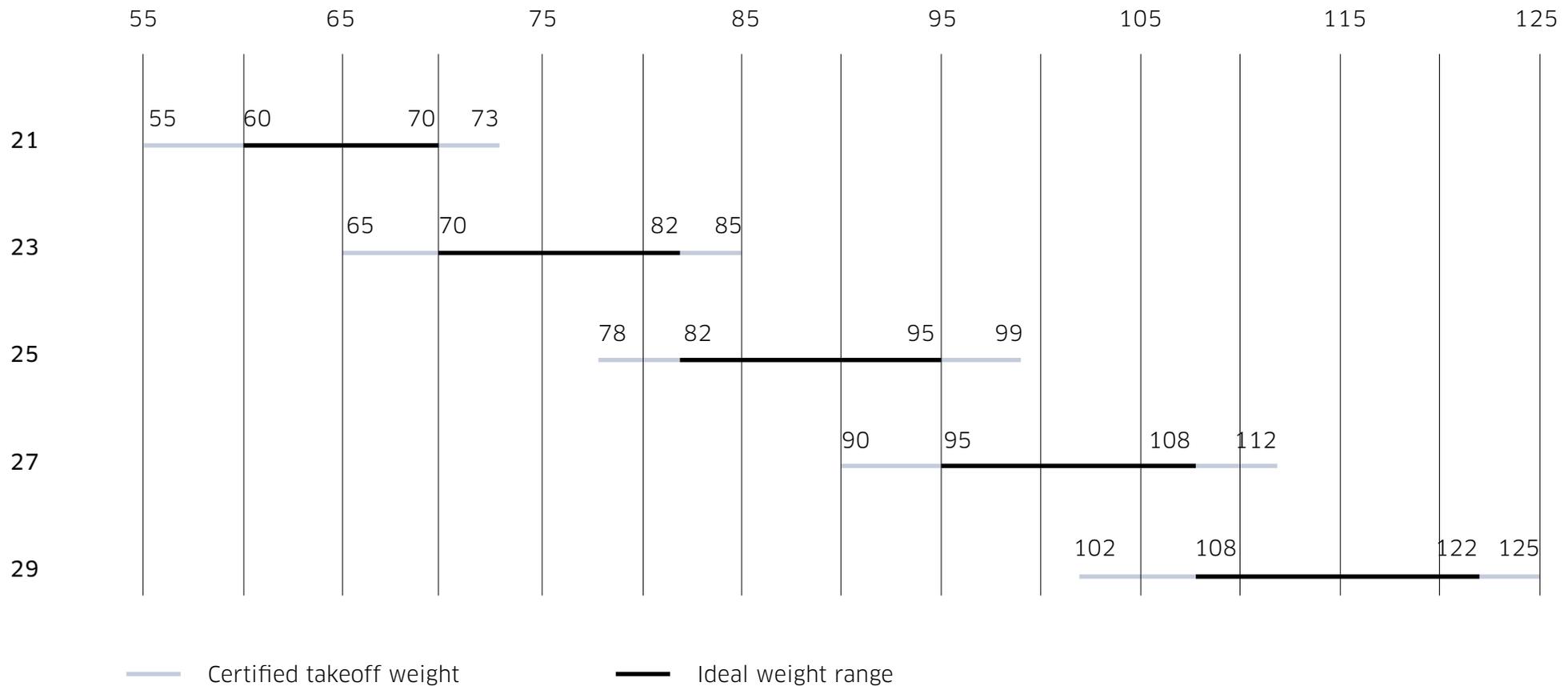




# THETA ULS

## Seamless Weight Ranges

The Seamless Weight Ranges of the THETA ULS make a clear transition from one wing size to the next, so that any pilot suits only one ideal take-off weight range. In this way, the THETA ULS guarantees the optimum balance of useful airspeed and climb performance in all flying conditions.





# THETA ULS

ADVANCE Brandfaces

"IT IS THE PERFECT GLIDER  
TO GO ON ADVENTURES.  
IT'S LIGHT AND BEHAVES  
EXTREMELY WELL. IT'S A  
GREAT ALLROUNDER AND I  
LOVED IT. AND I THINK YOU'RE  
GONNA LOVE IT, TOO"

TOM DE DORLODOT  
X-Alps Veteran and Adventurer





# THETA ULS

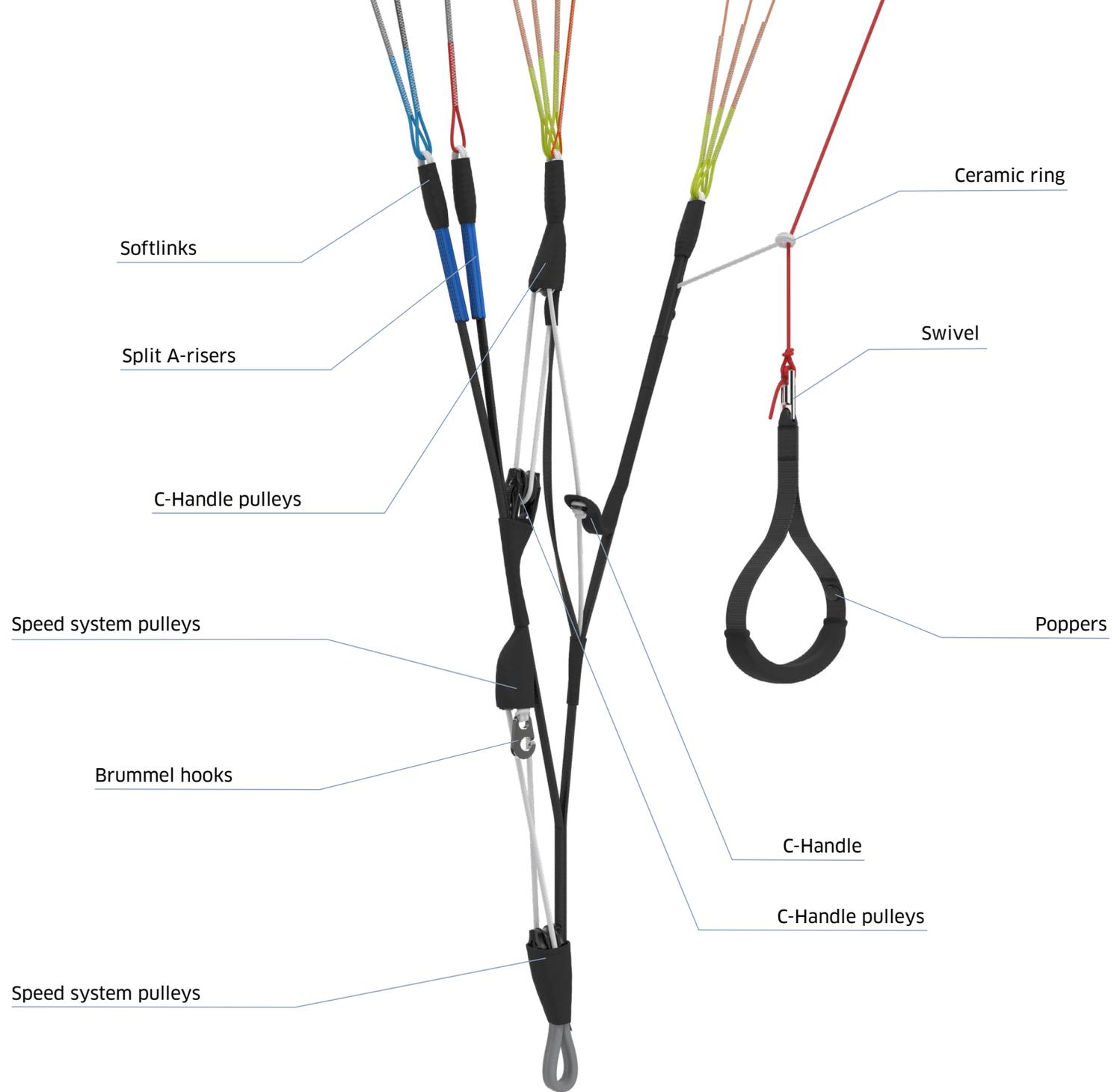
## Features

### STATE-OF-THE-ART EDELRID PRO DRY LINES

THETA ULS lines are extremely stable in length and have an above-average ultimate strength, even after long use. The colour-differentiated Pro Dry lines demonstrate 60% higher water repellency.



# THETA ULS Risers







# THETA ULS

Developer's note



"WE HAVE OPTED FOR A NEW GENERATION OF PROFILES FOR THE THETA ULS. THIS CONTRIBUTES SIGNIFICANTLY TO A HIGH FEEL-GOOD FACTOR, AND GUARANTEES RELAXED AND PERFORMANCE-DIRECTED FLYING."

CHRISTIAN PROSCHEK  
Lead Designer ADVANCE R&D Team



# THETA ULS

Scope of delivery



COMPRESSBAG ULS



REPAIR KIT



MINI WINDSOCK



GETTING STARTED

## Options



LIGHTPACK ULS

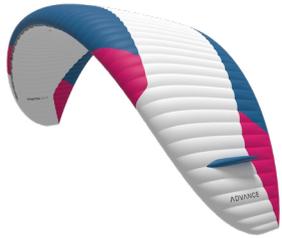


FLATBAG ULS

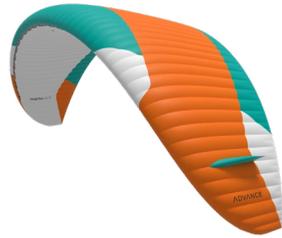


# THETA ULS

## Colours



White



Orange



# THETA ULS

## Technical data

THETA ULS		21	23	25	27	29
Flat surface	m <sup>2</sup>	21.52	23.33	25.42	27.33	29.13
Projected surface	m <sup>2</sup>	18.26	19.80	21.58	23.20	24.73
Ideal weight range	kg	60-70	70-82	82-95	95-108	108-122
Certified takeoff weight	kg	55-73	65-85	78-99	90-112	102-125
Weight	kg	3.10	3.35	3.55	3.80	4.00
Span	m	10.79	11.23	11.73	12.16	12.55
Projected span	m	8.55	8.91	9.30	9.64	9.95
Aspect ratio		5.41	5.41	5.41	5.41	5.41
Projected aspect ratio		4.01	4.01	4.01	4.01	4.01
Max. chord	m	2.44	2.54	2.66	2.75	2.84
Number of cells		59	59	59	59	59
Certification		EN/LTF B				



# THETA ULS

## Materials

Leading edge	Skytex 32 universal
Upper surface	Skytex 27 classic 2
Lower surface	DOKDO 10
Tension tapes	Skytex 32 hard finish
Profiles	Skytex 32 hard finish Skytex 27 hard finish
Unsuspected profiles	Skytex 27 hard finish
Diagonals	Skytex 40 hard finish Skytex 32 hard finish Skytex 27 hard finish

Main lines	A-8001-230, -190, -130, -090
Galery lines	A-8001-130, -090, -070, -050
Brake lines	A-8001-070, -050,
Steering lines	A-8001-190, A-7850-240
Stabilo	PPSLS 125
Risers	PES/Technora 7mm
Quick links	Softlink DC 300



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