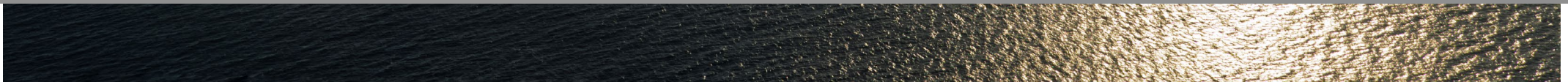




OMEGA ULS

Product presentation

LIGHT RACER





OMEGA ULS

Light Racer

Ultra-light and ultra competitive: that's our new racing two-liner. It's been developed for all those experienced pilots who want to achieve notable cross-country flights, competition rewards, and the mastery of new challenges. The OMEGA ULS is now available in 4 sizes, and impresses our X-Alps Team by its effortless handling, outstanding flight performance and very low weight starting from 3.05 kg.

With the OMEGA ULS, we are introducing the era of the ULTRA LIGHTWEIGHT STRUCTURE (ULS): a symbiosis of ultra-light high-tech material and an internal structure in extreme lightweight construction.

The OMEGA series has been the first choice of the X-Alps winners for years. Through intensive testing we have managed to gain even more performance whilst keeping the comfortable flight feeling. Designed for experienced pilots who want to concentrate on the important tactical decisions in flight.





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.





OMEGA ULS

Light Racer



AMBITIOUS FLYING



PRECISE AND EASY



PREMIUM QUALITY



OMEGA ULS

Quick Facts

- **More performance and increased top speed.** Better glide over the entire polar curve up to maximum speed.
- **Lower weight and more compact pack size.** Thanks to intelligent mix of high-tech material, optimized internal structure and smaller overall surface.
- **Comfortable flight feeling due to smoother handling.** Thanks to less pressure on the B-control, smoother feedback and a more pronounced turning ability.
- **Easier to control basic dynamics.** Facilitates top landing and take-off in strong winds.



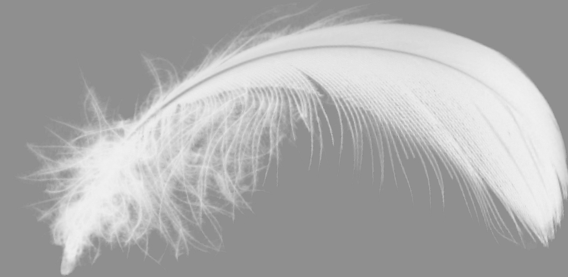
OMEGA ULS

Pilots requirements

The OMEGA ULS is a high performance paraglider with EN/LTF D classification. It should be flown only by very experienced, performance-orientated cross country or competition pilots. To fully master the OMEGA ULS, you need a lot of flying experience in a variety of conditions, on a Sport Class glider. An active flying technique is a must. Only under these conditions can you use the full performance potential and fly safely.



ULS



ULTRA LIGHTWEIGHT STRUCTURE

WE ARE NOW 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.



OMEGA ULS

Features

ULTRA LIGHTWEIGHT STRUCTURE

An intricate internal structure lies at the heart of the OMEGA ULS, and is crucial to its ultra lightweight construction using our Sliced Diagonals technology. After many X-Alps competitions, we have refined our profile fabric reduction technology as far as possible, including the complex diagonal rib structure.





OMEGA ULS

Features

HIGH-END NITINOL WIRES

These ultra-light components are made from a super-elastic nickel-titanium alloy, and provide balanced, chordwise mass distribution from the leading edge across the wing upper surface. These rods significantly reduce both packed volume and overall weight, and resist deformation even under heavy loading.



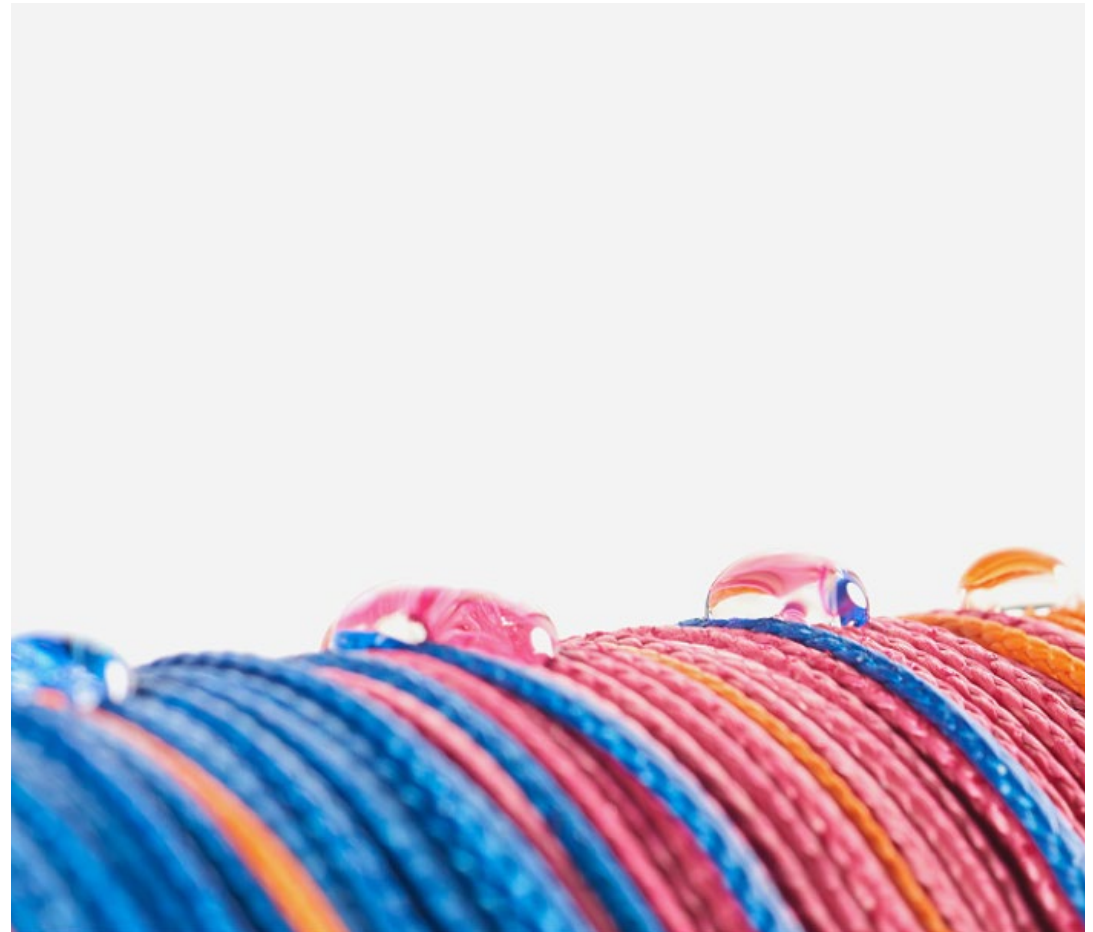


OMEGA ULS

Features

STATE-OF-THE-ART EDELRID PRO DRY LINES

OMEGA 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. The latest generation of unsheathed lines builds on the advantages of 8000 Aramid lines.



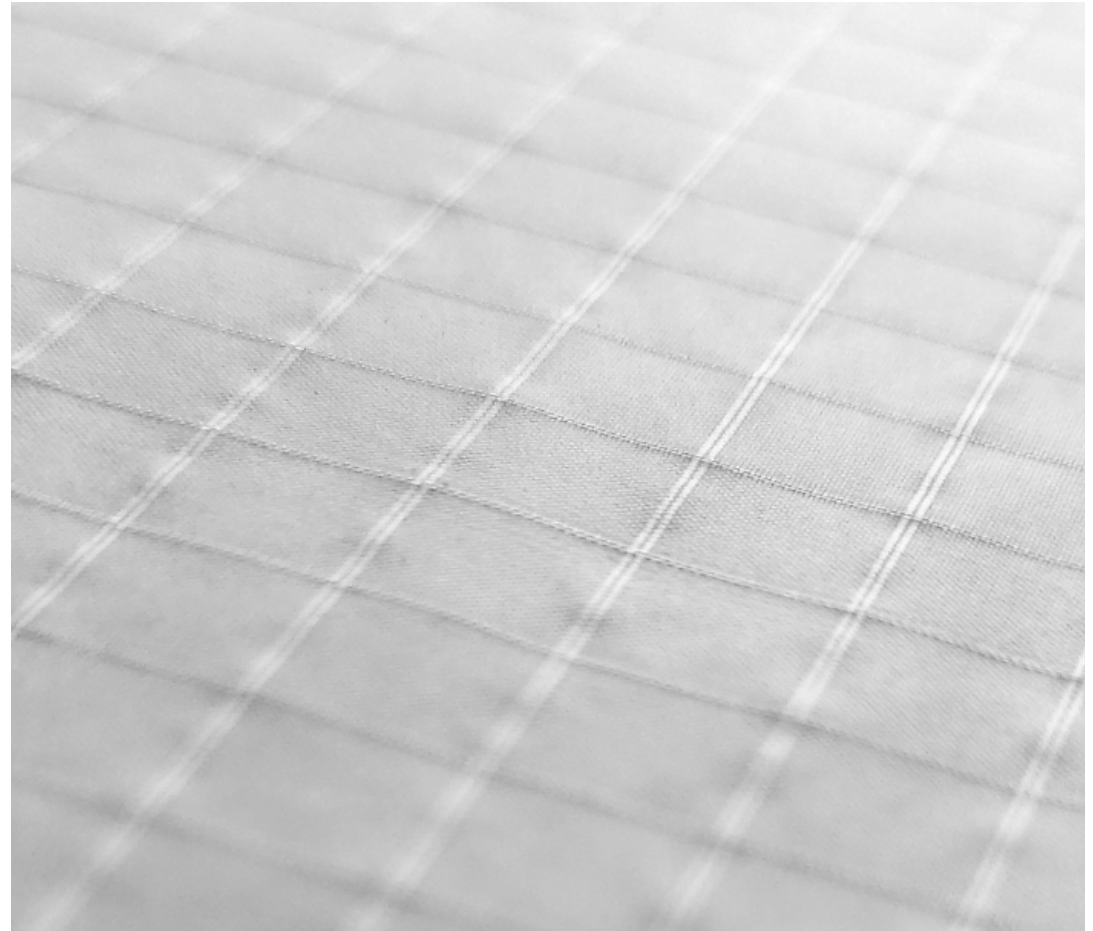


OMEGA ULS

Features

INTELLIGENT, ULTRA-LIGHT MATERIAL MIX

The wing top surface is made of tried and tested Porcher Skytex 27 cloth, and the less vulnerable under surface features extremely compact Dominico DOKDO 10 fabric. This combination of high quality materials makes the OMEGA ULS noticeably easier (fast) to pack, and lighter on the shoulders to carry: performance with lightness.





OMEGA ULS

Features

RISER

Light risers incl. softlinks





OMEGA ULS

ADVANCE Brandfaces

"WHAT I ENJOY MOST IS THE LIGHT HANDLING COMPARED TO THE PREDECESSORS. THIS IS THE BEST THING FOR CRANKING UP IN THE TIGHTEST THERMALS DURING THE X-ALPS 2023."

Patrick von Känel

Test pilot and 2nd place at X-Alps 2021







OMEGA ULS

ADVANCE Brandfaces



"OUR OMEGAS HAVE BEEN THE WINNERS' FIRST CHOICE FOR YEARS. FOR THIS YEAR'S RACE WE HAVE MANAGED TO MAKE SIGNIFICANT IMPROVEMENTS WITH THE OMEGA ULS."

Christian Proschek

Lead Designer R&D Team ADVANCE and Flying instructor



OMEGA ULS

Colours



White



OMEGA ULS

Scope of delivery



COMPRESSBAG ULS



REPAIR KIT



MINI WINDSOCK

Options



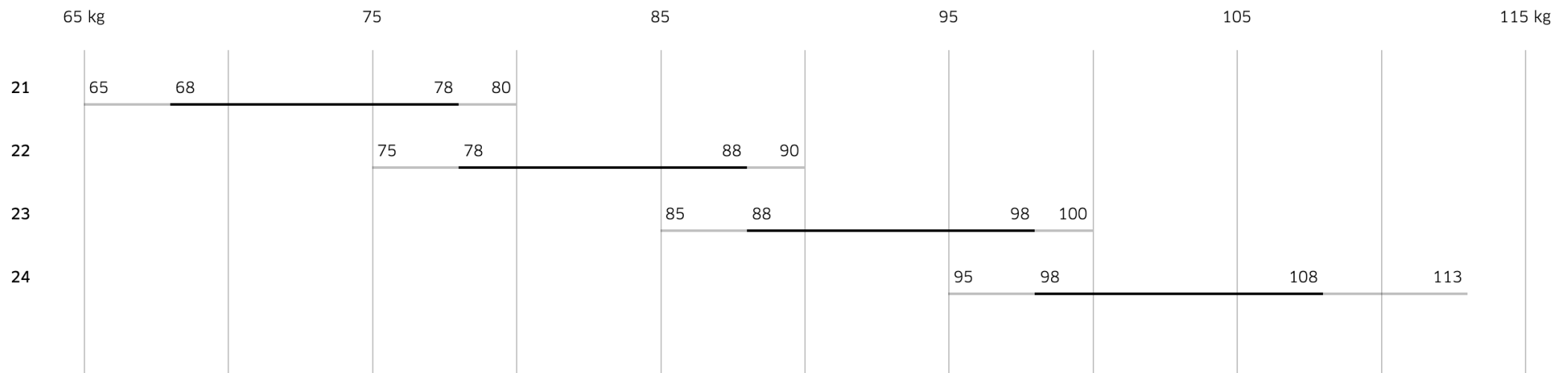
LIGHTPACK ULS



OMEGA ULS

Seamless Weight Ranges

The Seamless Weight Ranges of the OMEGA 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 OMEGA ULS guarantees the optimum balance of useful airspeed and climb performance in all flying conditions.



— Certified takeoff weight

— Ideal weight range



OMEGA ULS

Technical data

OMEGA ULS		21	22	23	24
Flat surface	m ²	20.70	21.54	22.48	23.75
Projected surface	m ²	17.40	18.10	18.90	19.96
Certified takeoff weight	kg	65-80	75-90	85-100	95-113
Ideal weight range	kg	68-78	78-88	88-98	98-108
Weight	kg	3.05	3.15	3.25	3.40
Span	m	11.87	12.11	12.37	12.71
Projected span	m	9.38	9.56	9.77	10.04
Aspect ratio		6.8	6.8	6.8	6.8
Projected aspect ratio		5.05	5.05	5.05	5.05
Max. chord	m	2.17	2.22	2.27	2.33
Number of cells		63	63	63	63
Certification		EN/LTF D	EN/LTF D	EN/LTF D	EN/LTF D



OMEGA ULS

Materials

Leading edge	Skytex 32 universal, 32 g/m ²
Upper surface	Skytex 27 classic 2, 29 g/m ²
Lower surface	DOKDO 10, 26 g/m ²
Tension tapes	Skytex 40 hard finish, 40 g/m ² Skytex 32 hard finish, 33 g/m ²
Profiles	Skytex 32 hard finish, 33 g/m ² Skytex 27 hard finish, 29 g/m ²
Unsuspected profiles	Skytex 27 hard finish, 29 g/m ²
Diagonals	Skytex 40 hard finish, 40 g/m ² Skytex 32 hard finish, 33 g/m ² Skytex 27 hard finish, 29 g/m ²

Main lines	A-8001-340, -230, -190, -130, -090
Galery lines	A-8001-190, -130, -090, -070, -050, -035
Brake lines	A-8001-050, A-9200-035
Steering lines	A-8001-190, A-7850-240
Risers	PES/Technora 12mm
Quick links	Softlink DC 500



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