



PI ULS

Product presentation

HIKE & FLY PARAGLIDER



PI ULS

Light Versatility

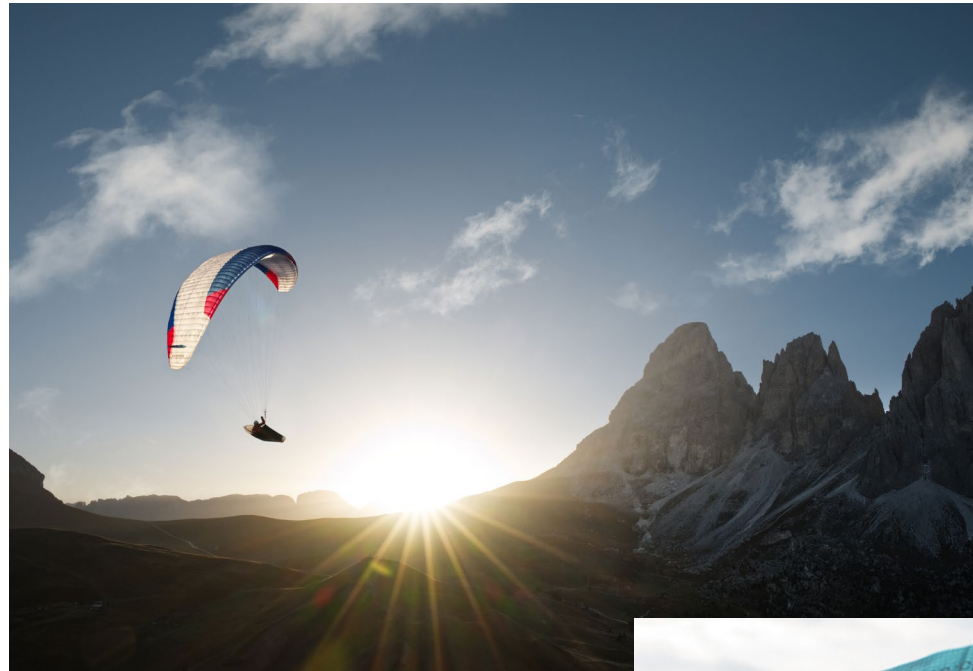
Thermal, Hike & Fly and Mini wing in one: who doesn't know it, the most successful and versatile lightweight glider on the market. For over 14 years, the PI series has clearly stood out from its competitors with its unique combination of minimal weight, maximum fun and impressive performance. With the PI ULS, we are now launching the fourth generation and continuing the success story of the PI series with even more versatility and less weight.



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.





PI ULS

Light Versatility



THERMAL



HIKE & FLY



MINI WING



PI ULS

Quick facts

- **Continuous size gradation** in 2 m² increments
- **Smaller areas** with the same pilot requirements and certification
- **New size 14 m²** from 1.65 kg
- **New material mix** from size 20 m² for less packing volume and weight
- **Ultralight risers** for size 14 m², optional for sizes 16 and 18 m²
- **New ULS naming and design**



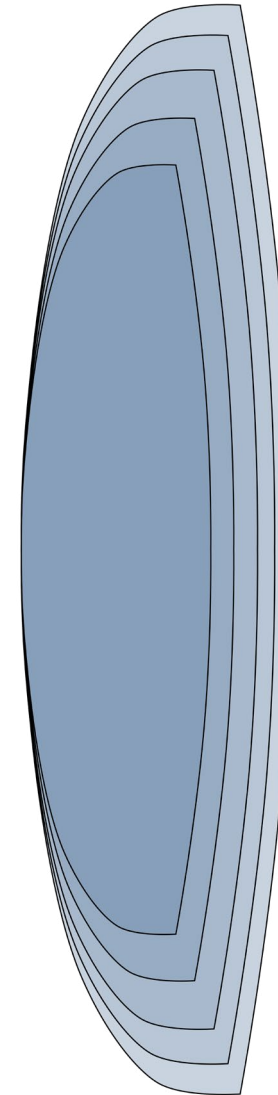


PI ULS

Sizing

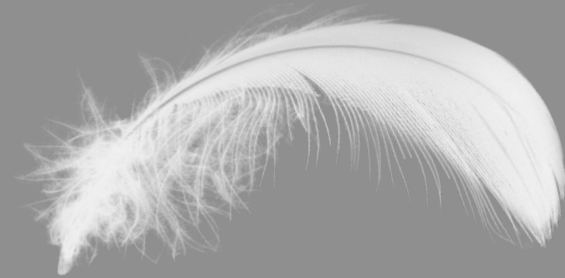
The PI ULS now features a continuous 2 m² gradation, closing the previous gap between the 16 and 19 sizes. As the trend is clearly moving towards smaller gliders, we have reduced the surface area of the larger sizes by 1 m² - without compromising on pilot requirements or certification.

14
16
18
20
22
24
26





ULS



ULTRA LIGHTWEIGHT STRUCTURE

ULS MEANS UNCOMPROMISING LIGHTNESS
COMBINED WITH MAXIMUM COMPACTNESS. OUR
ULS PRODUCTS HAVE BEEN DEVELOPED FOR
EXTREME AS WELL AS SPECIFIC APPLICATIONS.

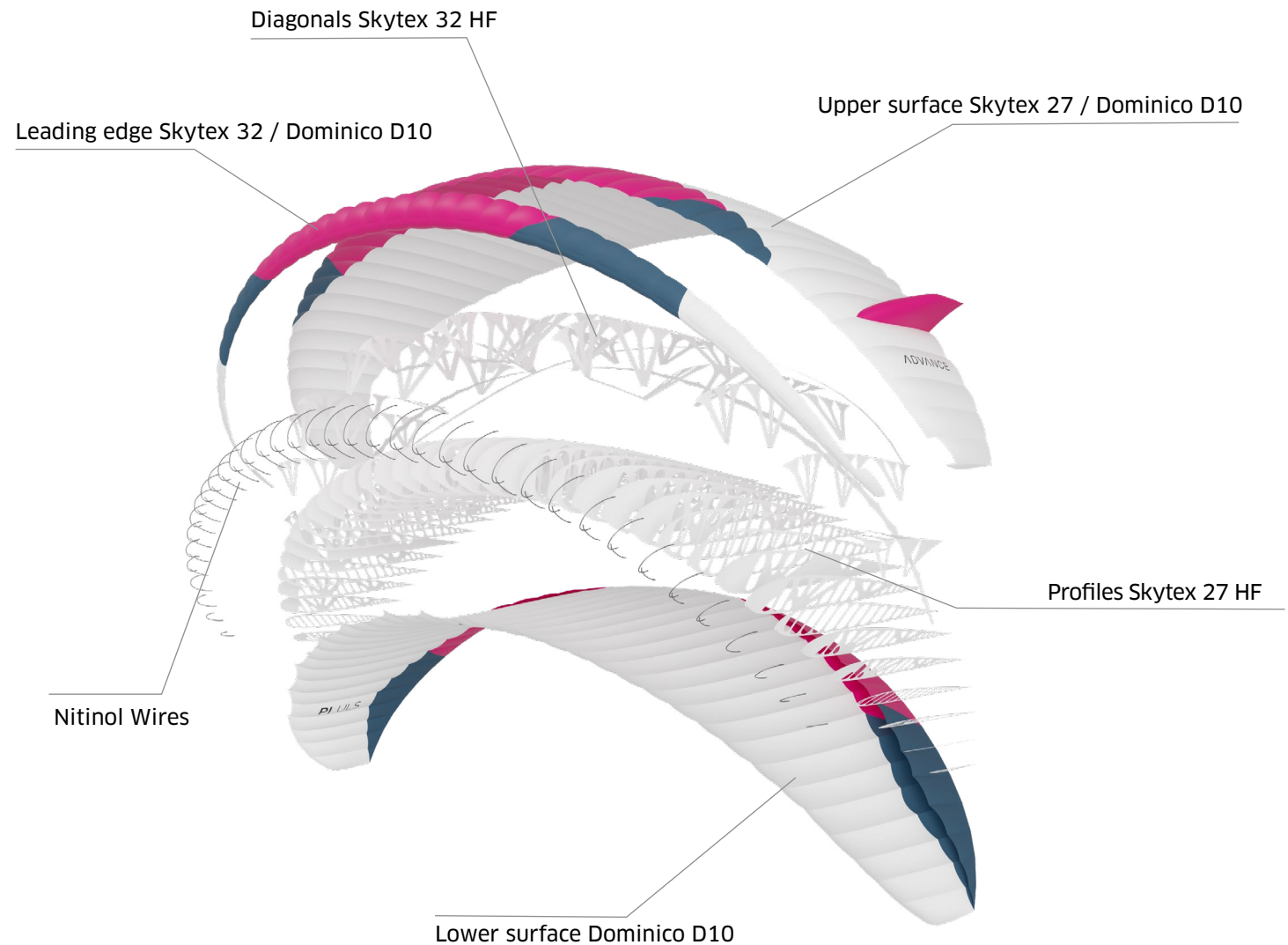


PI ULS

ULS Philosophy

LIGHTEST ULS MATERIALS

From size 20 m² upwards, the PI ULS will now be delivered with Nitinol wires and Dominico D10 fabric on the lower surface. This significantly reduces weight and pack volume. The upper surface of the larger sizes is still made of the more slip-resistant Skytex 27 g, ensuring easier handling on slippery take offs. For the smaller sizes up to 18 m², the proven material mix remains unchanged.





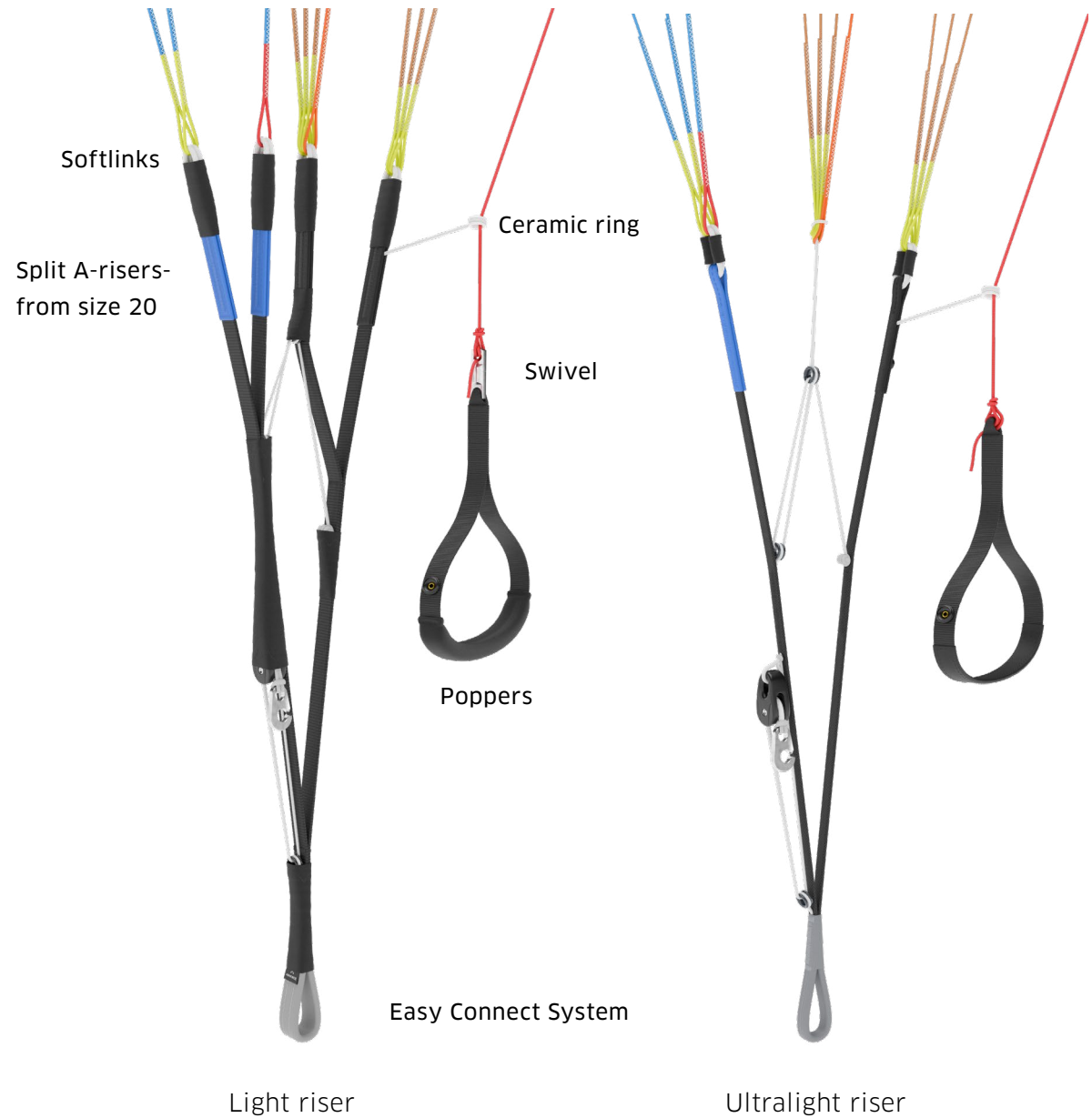
PI ULS

Features

ULTRALIGHT RISER

For the smaller PI sizes, there is now an ultralight riser which is 50 g lighter than the previous lightweight riser. The 14 m² size comes with it as standard, while the ultralight riser can be ordered as an option for the 16 and 18 m² sizes.

Size	Delivery	Option
14	Ultralight	-
16	Light	Ultralight
18	Light	Ultralight
20	Light	-
22	Light	-
24	Light	-
26	Light	-





PI ULS

Features

EDELRID PRO DRY LINES

PI 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.





PI ULS

Scope of delivery



COMPRESSBAG ULS



REPAIR KIT



MINI WINDSOCK



GETTING STARTED

Options



XPACK



FLATBAG ULS



Ultralight riser (Sizes 16,18)

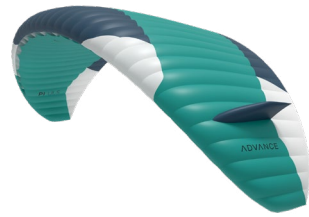


PI ULS

Colours



White



Spectra



PI ULS

Technical data

PI ULS		14	16	18	20	22	24	26
Flat surface	m ²	14.0	16.0	18.0	20.0	22.0	24.0	26.0
Projected surface	m ²	12.28	14.03	15.94	17.76	19.59	21.42	23.24
Certified takeoff weight	kg	TBD	50-90	50-90	58-95	67-103	76-112	85-119
Weight with Light riser	kg	-	1.85	2.05	2.45	2.65	2.85	3.05
Weight with Ultralight riser	kg	1.65	1.80	2.00	-	-	-	-
Span	m	7.97	8.52	9.08	9.58	10.06	10.52	10.96
Projected span	m	6.54	6.99	7.45	7.86	8.26	8.63	8.99
Aspect ratio		4.5	4.5	4.5	4.5	4.5	4.5	4.5
Projected aspect ratio		3.5	3.5	3.5	3.5	3.5	3.5	3.5
Max. chord	m	2.19	2.34	2.50	2.64	2.77	2.90	3.02
Number of cells		38	38	38	38	38	38	38



PI ULS

Materials

Leading edge	Skytex 32 universal
--------------	---------------------

Leading edge Size 14, 16, 18	DOKDO 10
---------------------------------	----------

Upper surface	Skytex 27 classic 2
---------------	---------------------

Upper surface Size 14, 16, 18	DOKDO 10
----------------------------------	----------

Lower surface	DOKDO 10
---------------	----------

Lower surface Size 14, 16, 18	DOKDO 10
----------------------------------	----------

Profiles	Skytex 27 hard finish
----------	-----------------------

Unsuspected profiles	Skytex 27 hard finish
----------------------	-----------------------

Diagonals	Skytex 32 hard finish
-----------	-----------------------

Tension tapes	Skytex 32 hard finish
---------------	-----------------------

Main lines	A-8001-230, -190, -130
------------	------------------------

Galery lines	A-8001-090, -070, -050
--------------	------------------------

Brake lines	A-8001-090, -070, -050
-------------	------------------------

Steering lines	A-8001-190, A-7850-240
----------------	------------------------

Stabilo	PPSLS 125
---------	-----------

Light riser	PES/Technora 12mm / 7mm
-------------	-------------------------

Ultralight riser	Dyneema 6mm
------------------	-------------

Quick links	Softlink DC 300
-------------	-----------------



advance.swiss