



WEIGHTLESS

Product presentation

ULTRALIGHT XC HARNESS



WEIGHTLESS

Engineered for athletes

The new WEIGHTLESS was developed for X-Alps athletes and specially upgraded for weight-conscious cross country pilots. It is a further development of the 2021 X-Alps harness and combines the experience gained from all nine previous ADVANCE X-Alps involvements, five of them victories. Seatshell, internal structure and strap system of the WEIGHTLESS are identical to the X-Alps athletes version. A large proportion of the materials used are also the same as the athletes harness.

The WEIGHTLESS is therefore the perfect harness component for ambitious Hike to XC and VolBiv projects, as well as serious competition. Its special qualities include minimal weight, comprehensive usefulness and great comfort. The aerodynamically excellent XC harness also impresses with its lean and dynamic look.





ADVANCE

Pioneering spirit and Swiss precision
Our story

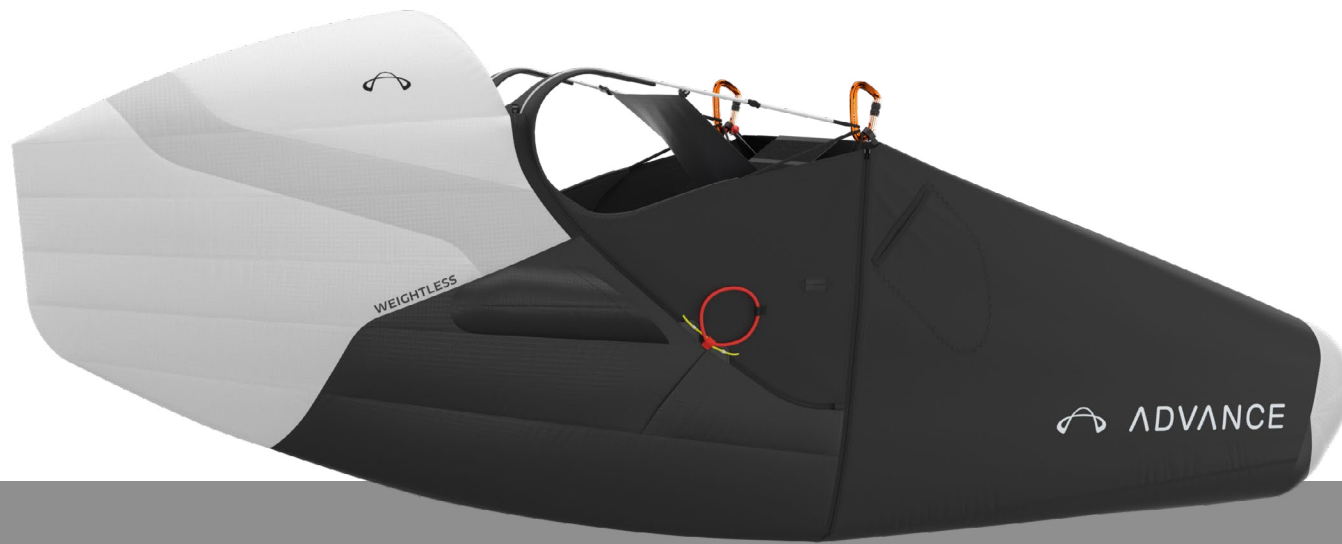
Putting our ideas into the air. That's what we can do. For more than 30 years, ADVANCE have kept the needs and wishes of our pilots at the forefront. With Swiss precision we refine model after model. Highest quality and absolute reliability have our top priority, in the air and in our customer service.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





WEIGHTLESS

Less is More



COMPETITION DNA



ULTRALIGHT



FULLY OPERATIONAL



WEIGHTLESS

Quick Facts

- **Fully operational** and comfortable lightweight XC harness from 1.9 kg (size S)
- **LTF certified "Twin-Fit" protector** for maximum protection and minimal packing volume
- **Built-in reserve compartment** for more safety and handling convenience (unique in this weight class)
- **The Speedbag** is made of stretchable, heat-retaining elastane, which can be easily replaced or changed in size (unique in this weight class)
- **Inflatable rear fairing**, gives the harness a dynamic look and aerodynamic low-drag qualities.
- **Certification** up to 120 kg



WEIGHTLESS

ADVANCE Brand Faces



THE WEIGHTLESS IS BASED ON THE HARNESS I USED FOR THE X-ALPS. NOW WE HAVE ADAPTED THE UNCOMPROMISINGLY LIGHT HARNESS TO MAKE IT MORE ROBUST AND USER-FRIENDLY.

Patrick von Känel

2nd place X-Alps 2021, ADVANCE test pilot



WEIGHTLESS

Light & comfortable

This ultralight XC harness can be used from a minimum weight of 1.9 kg, and, even so, provides a high degree of comfort for long cross country flights. Despite this absolutely minimal weight, the WEIGHTLESS has punctual reinforcements, an optimised use of material and a speedbag made of stretchy elastane. The WEIGHTLESS is certified to carry a load of 120 kg.



WEIGHTLESS

New LIGHTPACK ULS incl.

The LIGHTPACK ULS is part of the comprehensive WEIGHTLESS delivery scope. Based on the X-Alps athlete's rucksack, with reduced weight, adapted shoulder straps and many practical features. The LIGHTPACK ULS is available in sizes 52, 60 and 70 litres.

Standard Delivery

Size S: 60 litres

Size M & L: 70 litres

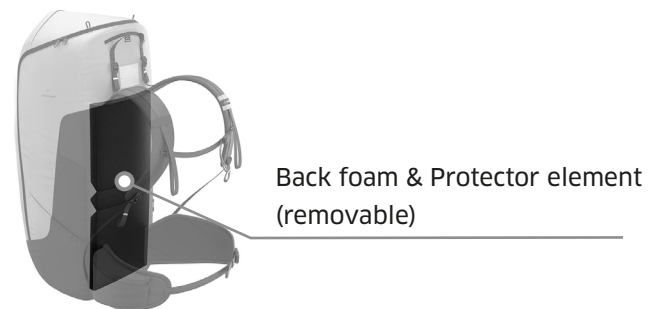
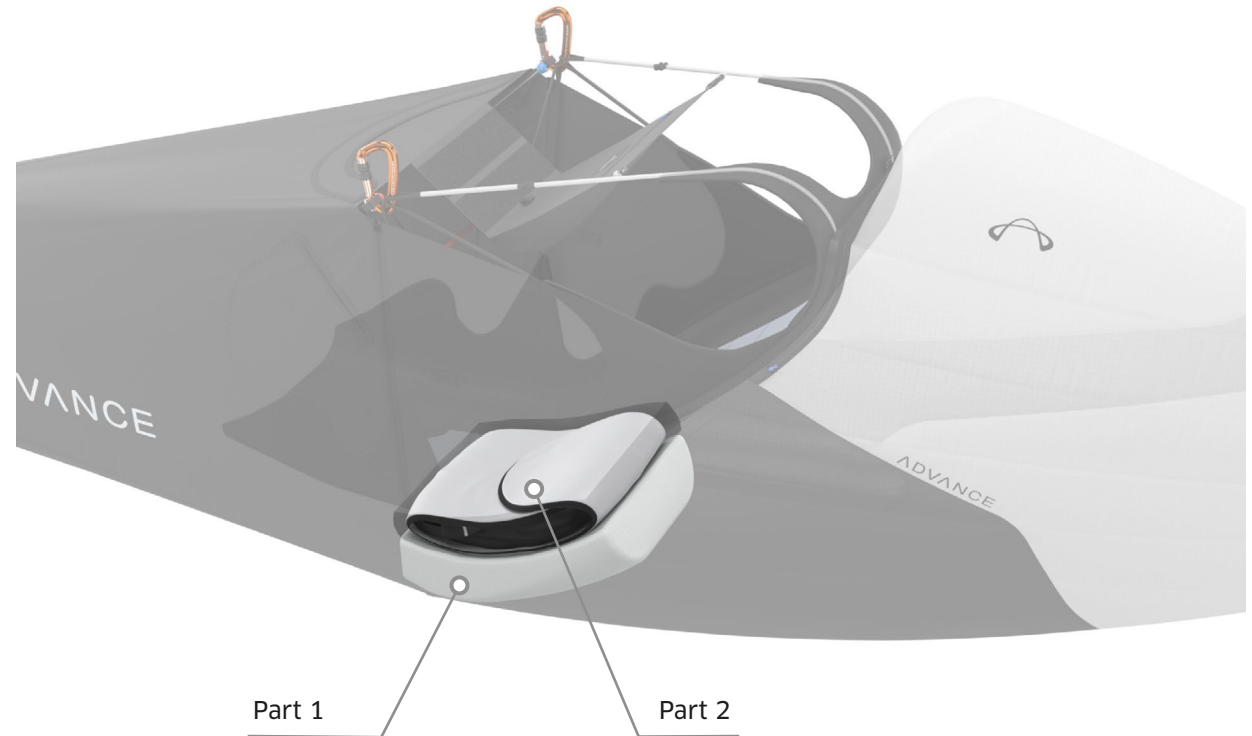




WEIGHTLESS

Twin-Fit Protector

The WEIGHTLESS has a two-part protector system consisting of a foam protector (Part 1) and the rucksack's built-in foam (Part 2). The rucksack is stowed in the compartment above the main protector. This system allows more compact packing of the equipment and leaves more available storage space in the back compartment.

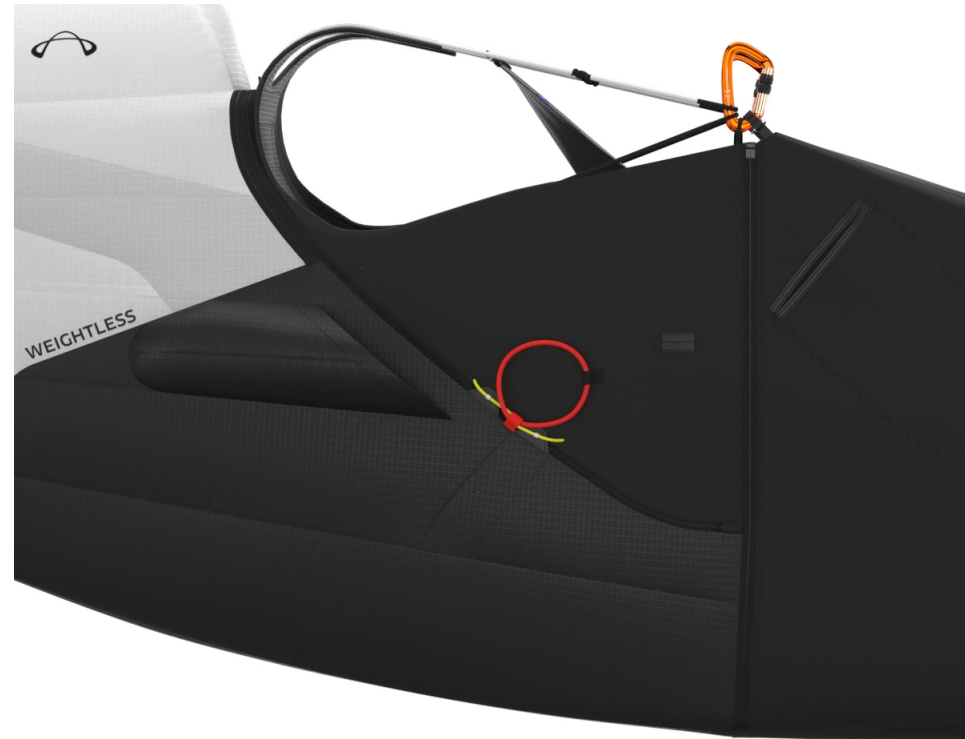




WEIGHTLESS

Built-in reserve compartment

The WEIGHTLESS accepts no compromise in the safety and comfort department! The WEIGHTLESS has a built-in reserve compartment, which connects to the shoulder supports. This system greatly simplifies general harness handling and reduces the chance of mistakes. This feature is so far unique for a harness in this weight class.





WEIGHTLESS

Ultralight Cockpit

The WEIGHTLESS cockpit is highly practical and very light. It can easily be detached, has a closable pocket and a separate battery compartment. The instrument panel measures 20 x 13 cm.





WEIGHTLESS

Choose your size

Naturally a WEIGHTLESS conforms to ADVANCE quality and standards, and can be combined with a speedbag choice of all three sizes. The advantages of this convenience are clear: increased harness life and perfect pilot body fit. The speedbag also has a strong but extremely light carbon footboard of the very latest generation.

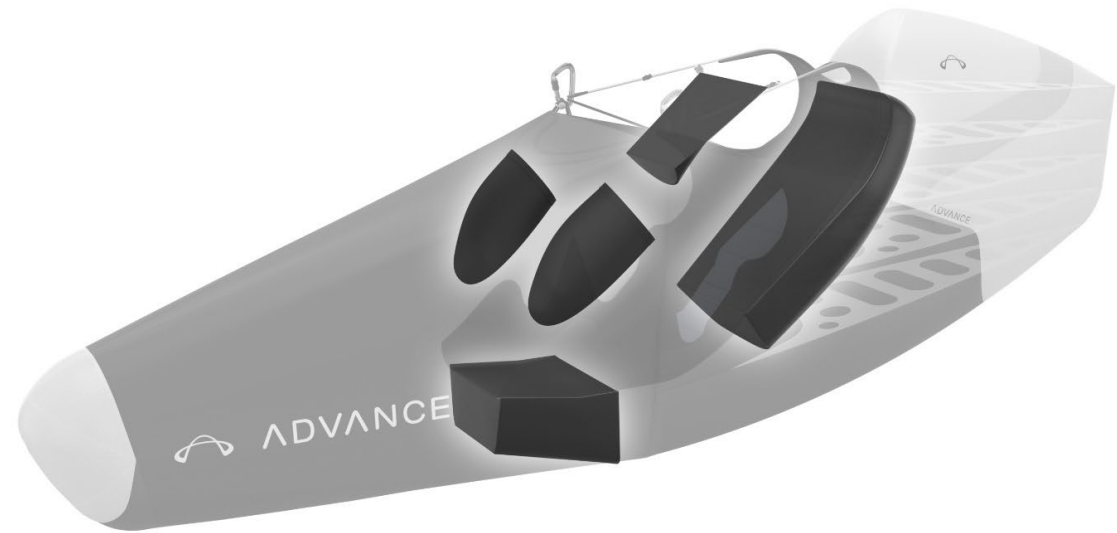




WEIGHTLESS

Plenty of storage space

The WEIGHTLESS has several practical pockets and compartments. The back compartment holds 18 l, whereby this volume can be fully used as the backpack is stowed in the compartment above the main protector. The stowage under the seat has an additional capacity of 7 litres.





WEIGHTLESS

Detachable Windshield

The WEIGHTLESS is supplied with a windshield, which can be used depending on individual preferences. The windshield reduces the windchill effect and increases your flying comfort.







WEIGHTLESS

Handle with Care

The WEIGHTLESS is an ultralight harness. The "Handle with Care" label is there to remind you at all times that the life of this product is highly dependent on your care. Mechanical stresses such as dragging on the ground etc. accelerate the ageing process and should be avoided. A lightweight product is much more sensitive to stress of all kinds.

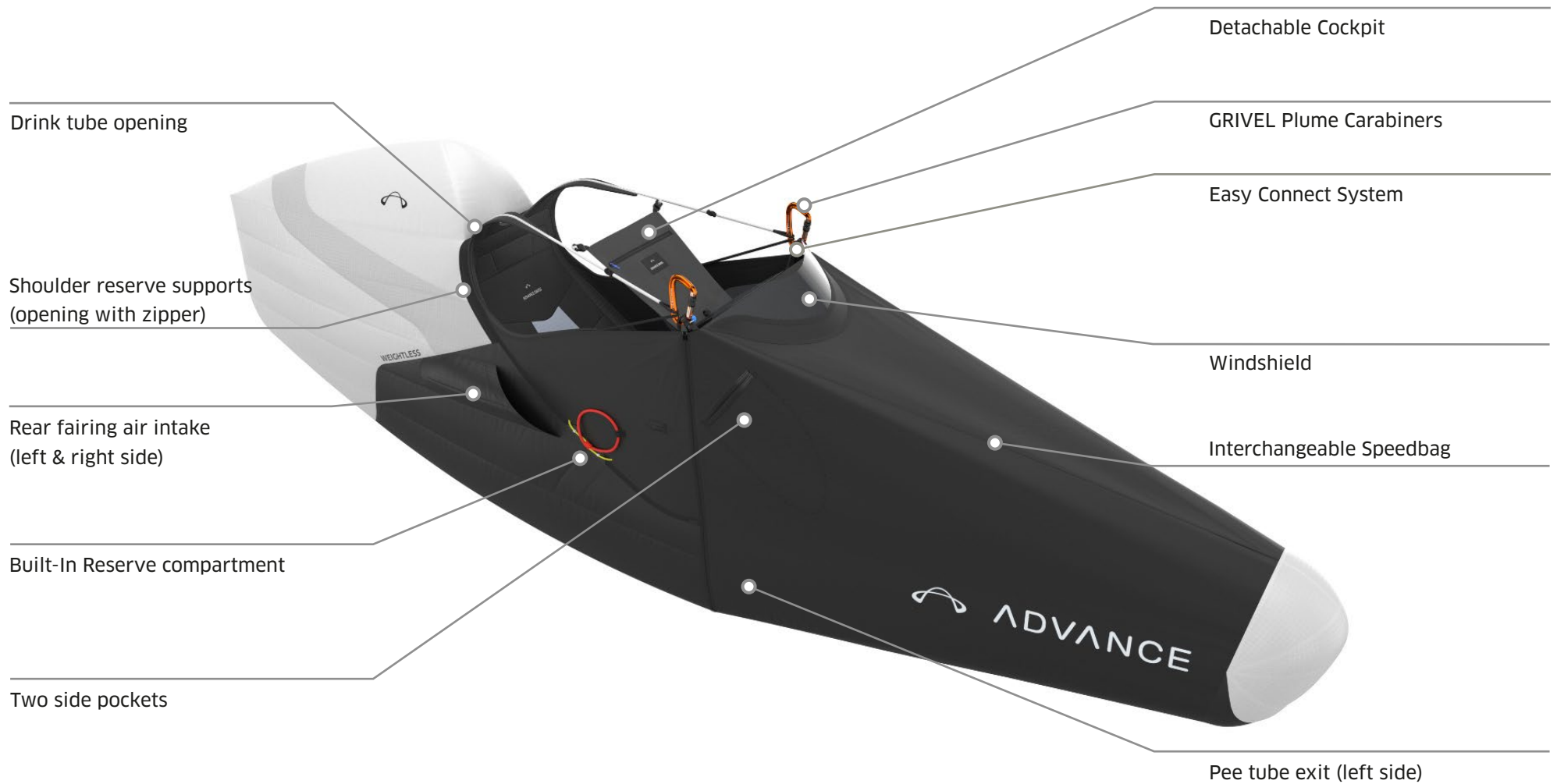
Do not use this lightweight product for SIV training. Excessive loading can cause non-safety-related damage to the product, which is not covered by the ADVANCE guarantee.





WEIGHTLESS

Features





WEIGHTLESS

Delivery contents



LIGHTPACK ULS



RUCKSACK RÜCKENSCHAUM
RUCKSACK BACK FOAM
MOUSSE DORSALE DU SAC



PROTEKTOR-ELEMENT HÜLLE
PROTECTOR ELEMENT SLEEVE
HOUSSE ÉLÉMENT DE PROTECTION



HAUPTPROTEKTOR
MAIN PROTECTOR
PROTECTEUR PRINCIPAL



KOMFORTSCHAUM
COMFORT FOAM
MOUSSE DE CONFORT



COCKPIT



2 GRIVEL PLUME KARABINER
2 GRIVEL PLUME CARABINERS
2 MOUSQUETONS GRIVEL PLUME



INNENCONTAINER MIT GRIFF
INNER CONTAINER WITH HANDLE
POD SECOURS ET POIGNÉE



FUSSBESCHLEUNIGER
SPEED SYSTEM
ACCÉLÉRATEUR



SPEEDBAG



KARBON FUSSBRETT 2.0
CARBON FOOTBOARD 2.0
REPOSE-PIEDS EN CARBONE 2.0



RONSTAN ROLLEN
RONSTAN PULLEYS
POULIES RONSTAN



WINDSHIELD MIT HÜLLE
WINDSHIELD WITH COVER
PAR-BRISE AVEC HOUSSE



HOOK KNIFE



SCHULTERGURT-VERKÜRZUNG
SHOULDER STRAP SHORTENER
RACCOURCISSEUR SANGLES D'ÉPAULES



WEIGHTLESS

Technical data

WEIGHTLESS		S	M	L
Pilot height	cm	155 - 172	165 - 183	178-202
Chest strap width	cm	≈ 47	≈ 48	≈ 49
Volume back compartment	l	16	18	20
Volume additional stowage	l	6	7	8
Weight harness "Ready to Fly" *	kg	1.90	1.98	2.06
Weight rucksack "Ready to Use"	kg	0.57 (60 l)	0.59 (70 l)	0.59 (70 l)
Weight overall system **	kg	2.43	2.53	2.61
Harness certification		EN 1651 & LTF 91/09, 120 kg		

* The weight includes the speed system, the inner container with handle, Two carabiners, protector element with sleeve, cockpit

** Rucksack stowed in the compartment above the main protector.



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