



ADVANCE LIGHTNESS² Product presentation



Original Reloaded

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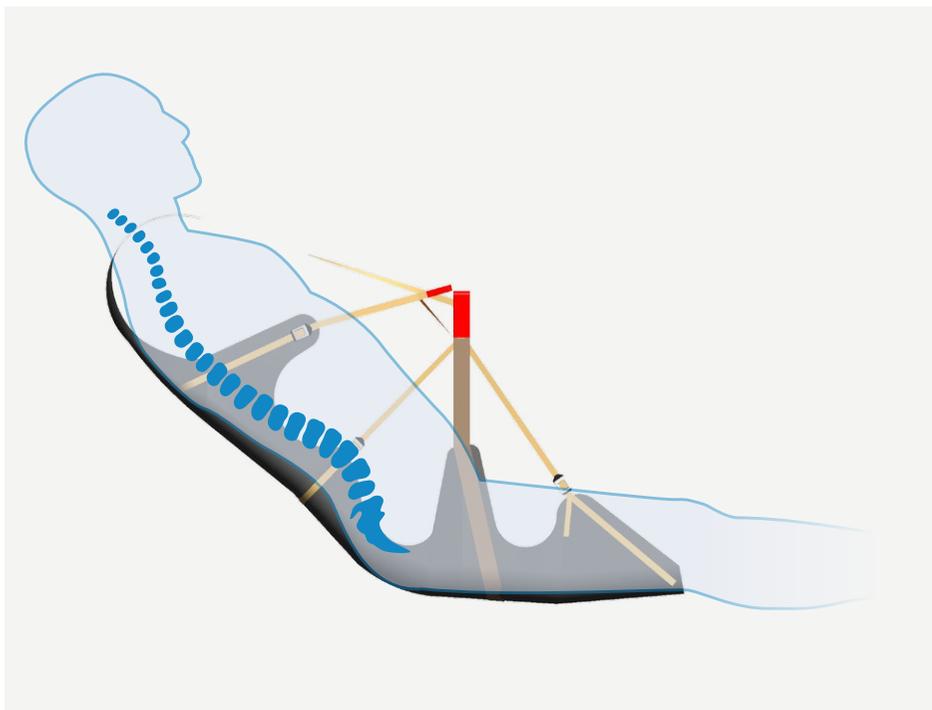
LIGHTNESS 2 – Original reloaded



The well-established has been perfected. The LIGHTNESS concept created a new category of harness - this second generation takes the best from its predecessor and gains in safety, comfort and looks.

With a weight from 2.8 kg the LIGHTNESS 2 is a light harness but, now equipped with integrated reserve, LTF certified protector and low drag aerodynamics, it fully satisfies the needs of the serious cross country pilot. And it comes with its own special rucksack and the new [COMPRESSBAG LIGHT](#).

LIGHTNESS 2



Fully loaded

3 products, 1 concept. With its LTF certified foam protector and built-in reserve system the LIGHTNESS 2 is a fully operational harness for XC and Hike&Fly pilots who like to travel in comfort with light equipment. In the package are the harness and its LIGHTPACK 2, including the [COMPRESS-BAG LIGHT](#).

Comfortable

LIGHTNESS 2 geometry has been further developed, and it now has an ergonomic seat shell which adapts itself to the small of the back. This provides perfect back support; and pressure points become a thing of the past. Feedback from our test pilots: «The most comfortable reclining harness in the history of ADVANCE!»

Light

It was possible to save weight when developing the LIGHTNESS 2 thanks to refining the design and choosing the right materials, without compromising the well-known ADVANCE quality. The new [COMPRESSBAG LIGHT](#) allows the paraglider to be packed very small in the LIGHTPACK. Put together these make a up light but complete package.

Furthermore

High level of handling comfort:

Setting up the harness is straightforward and clear. Unlike the original Lightness the LIGHTNESS 2 straps can be adjusted in flight. This makes life much easier and more comfortable for the LIGHTNESS 2 pilot.

Improved aerodynamics:

The spoiler on the speedbag guides the airflow up over the upper body, and the (previously empty) zone around the neck is now provided with an inflated cushion, that rounds off the streamlines. An incidental advantage of this inflatable design is that it does not disturb the pilot on the ground / taking off.

INNOVATIONS & FEATURES

- LTF certified foam protector
- interchangeable speedbag sizes (like the IMPRESS 3)
- two-buckle ADVANCE system for the chest and leg straps (Safe-T-System)
- Closure Remember System
- tear-resistant 10mm / 15 mm strap system with «easy adjust» buckles
- integrated reserve system with shoulder support points
- drink tube openings and holding loops on the shoulder straps
- additional stowage space
- neoprene covers on the leg straps
- air-filled neck area coordinates an elegant outline
- clearly defined sitting position for optimal aerodynamics
- speed system with ball bearing pulleys
- opening for relief tube

Delivery

The LIGHTNESS 2 delivery package contains:

- harness and speedbag with carbon footboard
- 2 Alias carabiners
- COMPRESSBAG LIGHT
- LIGHTPACK 2
- integrated cockpit
- detachable mini chest strap
- EN/LTF foam protector under the seat
- comfort foam for the back
- reserve V-connection and reserve handle connected to the four flap inner container
- speed system
- «Getting started» booklet

Kit includes (not fitted):

- removable instrument panel



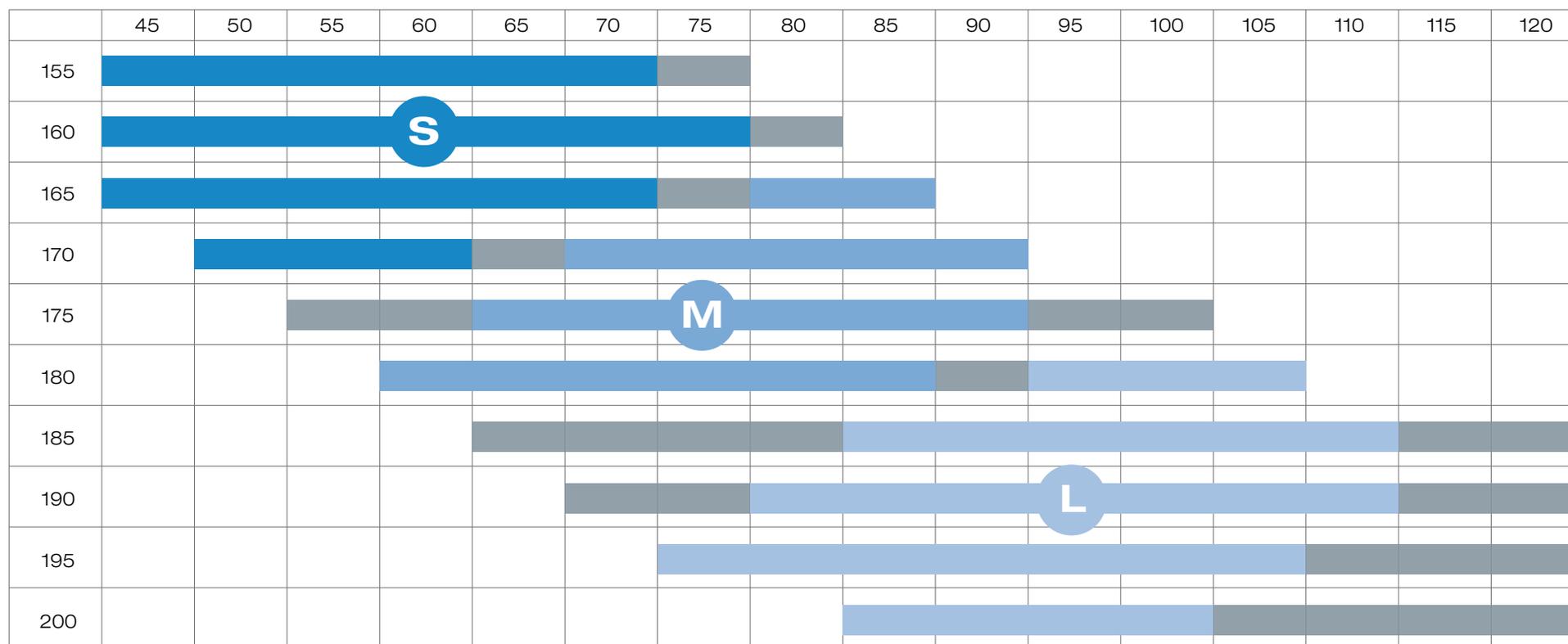
Technical details

LIGHTNESS 2		S	M	L
Pilot height	cm	155–172	165–183	178–200
Seat surface width	cm	N/A*	N/A*	N/A*
Carabiner height	cm	N/A*	N/A*	N/A*
Carabiner distance	cm	40–48	40–48	40–48
Harness weight incl. comfort foam and 2 alu carabiners	kg	2.8	2.95	3.05
Load test		EN 165 / LTF 91/09, 120 kg		
Back protector certification		LTF 91/09		
LIGHTPACK 2	I	82	82	90

* The hammock principle means that the harness takes up the shape of the pilot's body exactly. The seat width and carabiner height therefore vary accordingly.

Sizechart

↓ Pilot height (cm) | → Pilot weight (kg)



Speedbag choice

Correct speedbag length setting is fundamental to comfortable LIGHTNESS 2 flying. When this dimension is correctly adjusted the harness seat area becomes a second skin, and sliding out of position does not happen – this is the basis of long and very comfortable flights.

Can a LIGHTNESS 2 be fitted with a different size-classified speedbag?

The speedbag comes in the three standard sizes (lengths), S, M and L, and also has its own range of stretch; so a suitable length can be found for virtually every pilot – whatever their height and leg length. For those with special personal dimensions any harness could be combined with a speedbag of a different nominal size (S, M or L).

If a different size speedbag is chosen the new speedbag lines should always be used. The lines are part of the speedbag (not the harness)!

Important: ADVANCE recommend that in-between size pilots, (S/M 165cm-172cm & M/L 178cm-183cm) should try both relevant speedbag sizes if in doubt. Correct speedbag length is essential for comfort and a good in-flight shape.



LIGHTPACK 2



Features

- various carrying attachments and pockets in the LIGHTPACK 2
- closable pocket in the waist strap
- clothes can be carried in the bungee on the back.
- loop for drink tube on the shoulder straps
- ergonomically shaped back support and shoulder straps
- wrist loops on the shoulder straps for relaxed hiking
- pole holder
- ADVANCE Look: elegant, simple, reduced

The LIGHTPACK 2 comes in two sizes (82 ltr and 90 ltr), suitable for all ADVANCE paragliders. As standard the LIGHTNESS 2 S and M sizes are delivered with the 82 ltr LIGHTPACK 2, and the L size harness gets the 90 litre rucksack. The LIGHTPACK size can be chosen by the customer, however.

COMPRESSBAG LIGHT

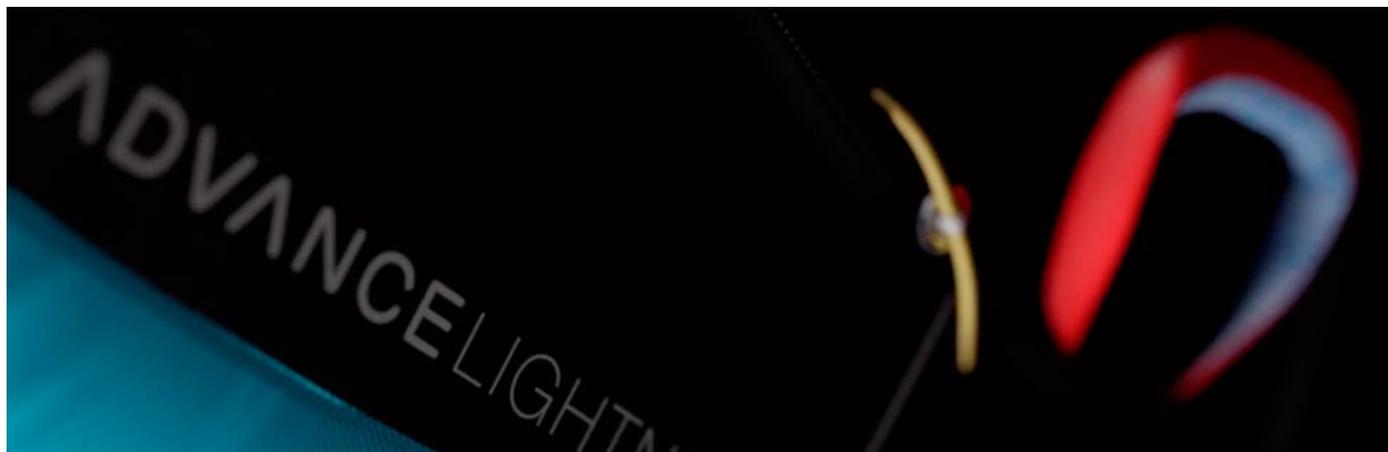


ADVANCE provide a compression bag with the LIGHTNESS 2 so that the paraglider takes up minimal space in the rucksack. The [COMPRESSBAG LIGHT](#) goes perfectly with the LIGHTNESS 2.

The [COMPRESSBAG LIGHT](#) is also delivered in 2 sizes, but these sizes cannot be chosen. The S/M [COMPRESSBAG LIGHT](#) belongs to the 82 ltr LIGHTPACK 2, and the L size to the 90 ltr LIGHTPACK 2.

LIGHTNESS 2 comparisons

	LIGHTNESS 2	LIGHTNESS 1	IMPRESS 3
Comfort & Ergonomics	+++	+	++
Aerodynamic Efficiency	+++	+	++
Compactness	++	+++	+
Weight	++	+++	+
Certified protector	++	-	++
Integrated reserve system	+++	-	++



FAQ

What makes the LIGHTNESS 2 the most comfortable ADVANCE reclining harness?

This is very much a result of the back geometry: the ergonomically designed seat shell adjusts itself to the anatomy of the lumbar area («small of the back»), and provides optimal support where it's needed. The comfort foam also encourages this required shape, and helps to spread the loads over the whole back support area. A mix of different materials and their wall thicknesses results in an overall and coordinated cradling effect which conforms to the body like a second skin.

Why are there two sizes of LIGHTPACK 2?

Between them the two LIGHTPACK 2s (82 ltr and 90 ltr) can accommodate all ADVANCE solo gliders. Normally the S and M LIGHTNESS 2s are supplied with the 82 ltr LIGHTPACK 2, and L harness comes with the 90 ltr model. But the LIGHTPACK size can be chosen.

Can all paragliders be packed in the COMPRESSBAG LIGHT?

Basically any ADVANCE solo wing can be packed in the [COMPRESSBAG LIGHT](#) range; the S/M size belongs to the small, 82 ltr LIGHTPACK 2, and L size to the 90 ltr rucksack.

Are the ADVANCE speedbags interchangeable between reclining harnesses?

Speedbags are only interchangeable within the same model. The various models have different protector thicknesses and different length speedbag zips – and the speedbag tensions are different: so it is not possible to mix and match between models (LIGHTNESS / IMPRESS 3 / LIGHTNESS 2).

FAQ

What does the inflating neck section do?

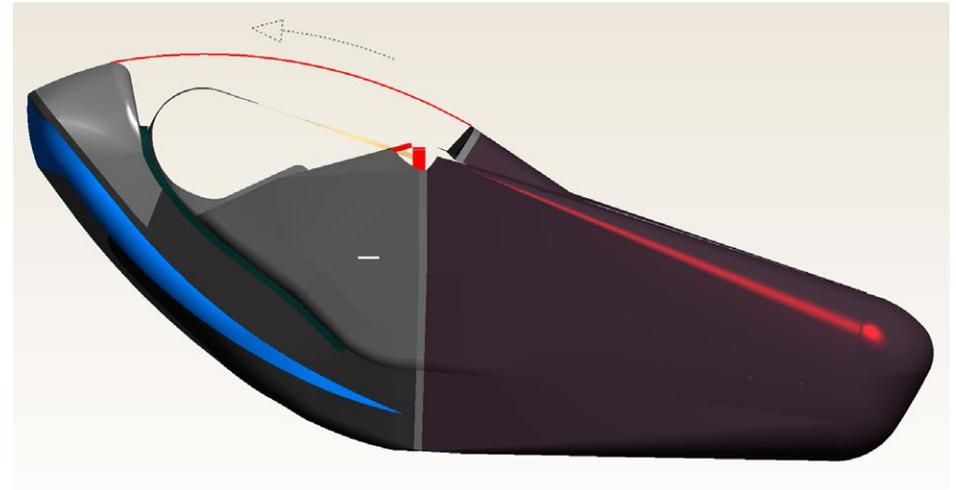
It takes up the otherwise dead air space behind the neck, improving the efficiency of airflow around the pilot. This device does not interfere with the pilot on the ground (particularly when manoeuvring for a reverse launch) because it only inflates in the air – where it contributes to a low drag aerodynamic shape.

How robust is the LIGHTNESS 2?

Lighter material was chosen for the LIGHTNESS 2, and this provides the best robustness for its weight. But even considering its long life and resistance to abrasion and UV radiation it cannot match the abuse-forgiving behaviour of routine harness fabrics. Handle with care!

Why can this harness not be flown without the speedbag?

The LIGHTNESS-type harness does not have a seatboard, so leg support is necessary – a foot stirrup or speedbag. The speedbag is a part of this harness because it does not make sense to have a stirrup and a legbag. The speedbag combines these two functions and saves weight.

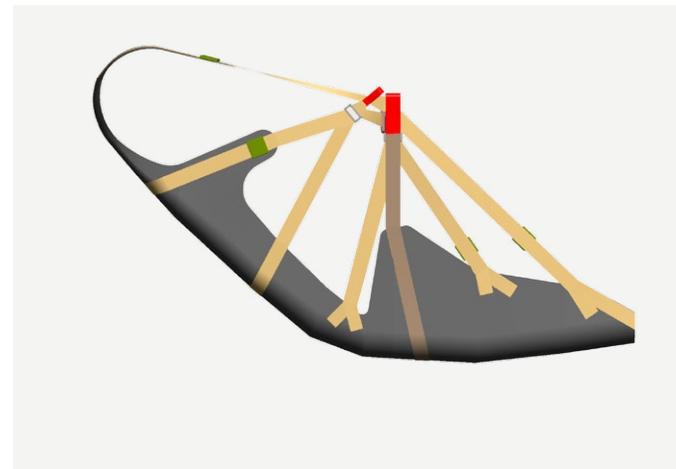


Why is the LIGHTNESS 2 sold with rucksack and COMPRESSBAG LIGHT?

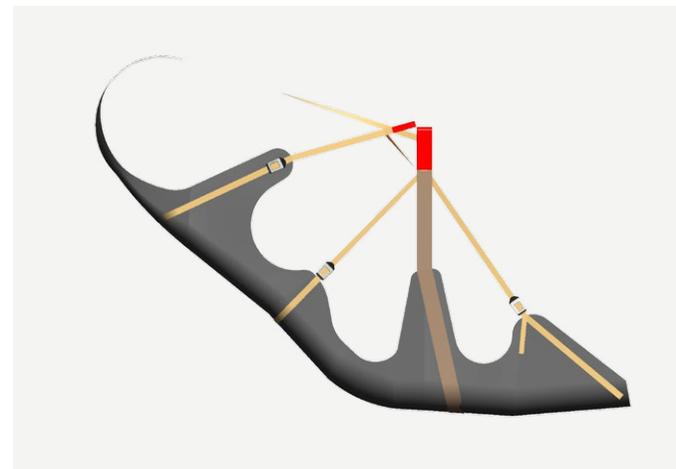
The harness, rucksack and COMPRESSBAG LIGHT are intended to go well together, and form a compact entity. The full potential of this system can be enjoyed when the three are used together. First the walking: the shape of the rucksack matches the harness, so that the contents can be well-compacted, producing an easy-to-carry weight lying close to the back. Then there's flying: the harness back pocket is accurately designed to carry the rucksack perfectly. A normal big and stiff rolled up rucksack can annoy the pilot's back after a while, and leaves less room for clothes, catering, care products, sticks, and so on. Compared with a reversible harness, where rucksack and harness are inseparable, the LIGHTNESS system has the advantage of more flexibility.

How is the LIGHTNESS 2 different from the IMPRESS 3?

The LIGHTNESS 2 simplifies life – and is even more comfortable. Compared to the IMPRESS 3 it is easier to adjust, has a better reserve system, is lighter and packs up smaller. The correct LIGHTNESS 2 sitting position is clearly indicated and results in an aerodynamically efficient harness attitude.



IMPRESS 3



LIGHTNESS 2



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