



product presentation
HARNESSES

With protection that works

The theme in all our harnesses is a high level of passive safety. They not only protect the posterior, but also the back area. The ALTUS contains our Pre-inflated Airbag, where a foam mesh begins to inflate the airbag while the harness is being unpacked. The SOMNIUM features our Hybrid Protector which combines foam and airbag protection.

Two technologies in one protector.

Hybrid Protection combines the advantages of foam and airbag protection: little weight, small packing size and a high degree of passive safety. Harnesses with Hybrid Protection are generally designed so that foam is fitted under the seat, giving the pilot protection even before take off. Once in the air, this protection is augmented with a thick cushion of air around the pilot's back. The most effective aerodynamic shape was an important consideration in the design of the airbag. Hybrid Protection is particularly suitable for all-round and cross-country harnesses, which should be light and safe.



**HYBRID
PROTECTOR**



Ready for action before take off.

Our Pre-inflated Airbag has addressed one of the main disadvantages of traditional airbag systems – even before take off the bag begins to inflate. It is not necessary to be flying in order to let the airflow inflate the bag and make it effective. Our system guarantees protection before take off.



**PRE-INFLATED
AIRBAG**

Our system is functional and simultaneously durable: foam mesh keeps the airbag in shape. The foam is generally resistant to mechanical damage. When packing the harness, the Pre-inflated Airbag needs no special consideration.





SOMNIUM – for cross-country pilots with dreams

The SOMNIUM offers everything cross-country pilots are looking for: comfort, an aerodynamic seating position with little drag and thanks to Hybrid Protection, an impressive degree of passive safety. At only 3.7 kilograms (size S), the walk to take-off is made a lot easier.



The efficient XC machine



More safety

The SOMNIUM is fitted with an innovative Hybrid Protector. When the harness is taken out of the bag the foam begins to expand. Once in the air, the foam protection is augmented by an airbag. This cushion of air not only supports the pelvic area - but protects the whole back. In its class, the SOMNIUM offers a unique level of passive safety.

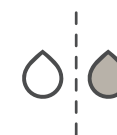


**HYBRID
PROTECTOR**



More performance

The SOMNIUM is fitted with Split Loops. This ensures a comfortable seating position and simultaneously improves the performance of the wing during glides - the tendency to roll is damped and this has a positive impact on your glide ratio, especially in turbulent air. The streamlined design and slender pod underline this performance potential.



**SPLIT
LOOPS**



Less weight

Small packing size, little weight: due to its Hybrid Protection, the SOMNIUM can be packed small and at 3.7kg (size S) is extraordinarily light - without compromising on passive safety. The foam protector can be highly compressed and apart from the material, the airbag packs down to nothing. The SOMNIUM offers the complete package of performance, safety and little weight.



**HYBRID
PROTECTOR**



NOVA SOMNIUM



Features | SOMNIUM

Very safe, very light.

Hybrid Protection combines the advantages of foam and airbag protection: little weight, small packing size and a high degree of passive safety. Harnesses fitted with Hybrid Protection offer the perfect combination (and the benefits) of two protection systems.



**HYBRID
PROTECTOR**

Always in sight.

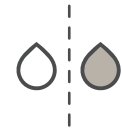
Always within sight of both eyes and easy to deploy: front containers provide a high degree of safety – if only due to their visibility. This is one of the reasons we fit our harnesses (and in particular lightweight models) with front-mounted parachute containers.



**FRONT
CONTAINER**

More comfort.

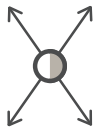
Harnesses with Split Loops use individual leg loops instead of a seat plate. The result is good manoeuvrability combined with pleasant damping and impressive smoothness during glides. Performance limiting roll is minimised.



**SPLIT
LOOPS**

The perfect fit.

Our S and L sizes are not just scaled copies of the M size. Every size is individually designed. The result is Tailor-made Geometry: every pilot has the optimal seat position – no more “off the peg” disproportional geometry!



**TAILOR-MADE
GEOMETRY**

Light and durable.

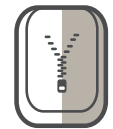
Lightweight harnesses combine low weight with a high durability and robustness. This is made possible by using high quality fabric and clever cutting to keep unnecessary material to a minimum.



**WEIGHT
OPTIMISED**

Permanent protection.

The scoop is critical for the rapid inflation of the airbag. This scoop can be damaged when placing the harness into the rucksack. The Scoop Protector prevents this damage.



**SCOOP
PROTECTOR**



ALTUS - lightness meets safety

At only 3.5 kilograms the ALTUS is extraordinarily light, extremely comfortable and for its class, has a unique level of safety: under the seat is a ready for action Pre-inflated Airbag. This airbag is shaped using a durable foam mesh. Once in the air, the airbag also supports the pilot's back.



The sporty lightweight



More safety

The ALTUS is fitted with an innovative Pre-inflated Airbag. When the harness is taken out of the bag, a durable and mechanically robust foam mesh starts to expand, which pre-inflates the airbag. Once in the air, this protection is augmented with a thick cushion of air around the pilot's back. The parachute container is fitted within the airbag in order to minimise injury in the case of an impact where the reserve has not been deployed.



**PRE-INFLATED
AIRBAG**



More flying fun

An innovative and size-appropriate geometry (for more info see the Taylor-made Geometry section below) has allowed our test pilots to develop a well-thought-out combination of turbulence dampening with the agility required for precise wing control. The chest strap allows sufficient adjustment possibilities to match individual requirements. The stiff but simultaneously ergonomically comfortable seat plate facilitates precise flying.



**TAILOR-MADE
GEOMETRY**



More compact

Large packs and big weight are history: due to its Pre-inflated Airbag, the ALTUS is small and at 3.5kg is extraordinarily light but without compromising on passive safety. The foam mesh can be highly compressed and apart from the material, the airbag packs down to nothing. The ALTUS is therefore the perfect all-round harness for a diverse range of pilots.



**PRE-INFLATED
AIRBAG**



Features



High passive safety despite little weight, thanks to the Pre-inflated airbag.

The rescue container is enclosed within the airbag; the parachute handle is individually adjustable. The left hang point is red, the right green - this helps to avoid incorrectly connecting the risers. In the PRION 3 this colour scheme has also been used for the risers.

The leg loops are also differentiated by colour: left is green, right is red.

The leg and chest straps are separate in order to improve the pilot's feeling of connection to the harness and additionally to avoid the leg loops getting in the way during groundhandling.

The buckle on the chest strap is connected to a leg loop with a safety strap.

A handy pouch can be used to store a camera or muesli bars - it is within easy reach and secured with a zip.

A piece of Velcro on the shoulder strap permits easy attachment of a mini-vario or SPOT device.

The panel on the bottom of the harness can be replaced - any evidence of an untidy landing can be removed easily (for more info see the Abrasion Protector)

Features | ALTUS

Ready for action before take off.

Our Pre-inflated Airbag has addressed one of the main disadvantages of traditional airbag systems – even before take off the bag begins to inflate. It is not necessary to be flying in order to let the airflow inflate the bag and make it effective.



PRE-INFLATED AIRBAG

Quick tidy up.

Landing on your behind can lead to scratches and dirt on the bottom of your harness which can be difficult or impossible to remove. The Abrasion Protector is a replaceable bottom panel which can be easily removed and substituted for a new one.



ABRASION PROTECTOR

In control.

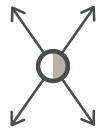
The seat board is an integral element designed to maintain the shape of the harness. It determines both the width and the length of the seat. Harnesses with seat boards are perfect for pilots who like a high degree of stability.



SEAT BOARD

The perfect fit.

Our S and L sizes are not just scaled copies of the M size. Every size is individually designed. The result is Tailor-made Geometry: every pilot has the optimal seat position – no more “off the peg” disproportional geometry!



TAILOR-MADE GEOMETRY

Light and durable.

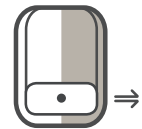
Lightweight harnesses combine low weight with a high durability and robustness. This is made possible by using high quality fabric and clever cutting to keep unnecessary material to a minimum.



WEIGHT OPTIMISED

Cleverly integrated.

A tube container is a type of pocket where the parachute is enclosed on three sides – only one side opens. This system guarantees good positioning, simple deployment and good protection from external damage.



TUBE CONTAINER



MONTIS – ultra light, super comfortable

At approximately 300 grams the MONTIS, our mountaineering harness, is both light as a feather and extremely comfortable. Clever details like Friction Buckles help us to achieve minimum weight.



The perfect climbing partner



Light & comfortable

Either light or comfortable - we demanded both! The MONTIS weighs in at only 300 grams but offers a level of comfort not seen so far in this type of harness. Sit down, try it, feel good.



**LIGHT
WEIGHT**



Technically sophisticated

The MONTIS is a harness designed by mountaineers for mountaineers, which is full of innovative design solutions. One of them is the Friction Buckle - an adjustable shoulder strap which does not use a metal buckle.



**FRICION
BUCKLE**

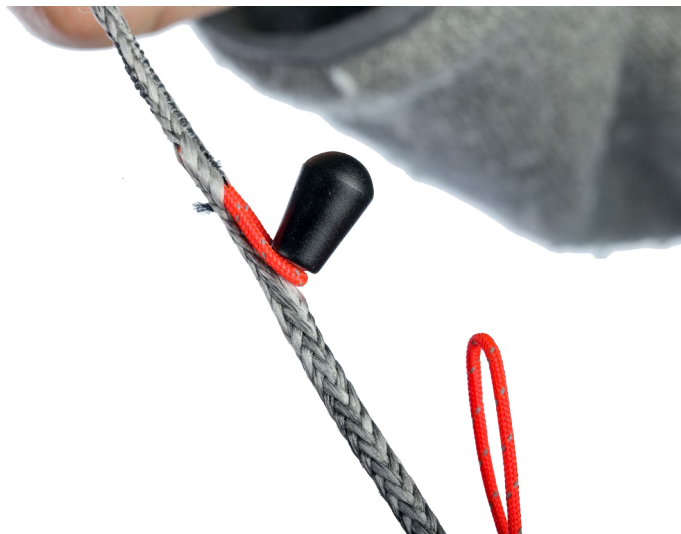


Total flying fun

Far more than a harness for top-to-bottoms: The MONTIS is designed with sophisticated geometry that ensures balanced pilot weight distribution to minimise any pressure points. This geometry allows smooth and comfortable thermalling.



NOVA MONTIS



Test reference-No / Pr
Manufacturer / Herst
Maxi Load / Max Anth

Features | MONTIS

Ultimate lightness.

Harnesses with the label Light Weight are extremely light and are ideally suited for mountaineering. The weight reduction is made possible by an intelligent mixture of materials and a smart construction.



**LIGHT
WEIGHT**

Fastened through friction.

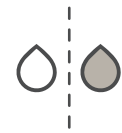
The Friction Buckle is an innovative fastener that doesn't use a metal buckle. How does it work? Dynema cords are looped through one another. With friction, they are fixed in the desired position. The system is simple and reliable.



**FRICTION
BUCKLE**

More comfort.

Harnesses with Split Loops use individual leg loops instead of a seat plate. The result is good manoeuvrability combined with pleasant damping and impressive smoothness during glides. Performance limiting roll is minimised.



**SPLIT
LOOPS**

The perfect fit.

Our S and L sizes are not just scaled copies of the M size. Every size is individually designed. The result is Tailor-made Geometry: every pilot has the optimal seat position - no more "off the peg" disproportional geometry!



**TAILOR-MADE
GEOMETRY**



INVERTO – the amazing backpack that protects

The INVERTO is well thought-out 985 gram light rucksack with a volume of 60 litres, which is converted into an airbag in seconds. It not only protects the posterior (as is the case with other harnesses of this type), but also the back area. The INVERTO is the perfect partner to the MONTIS, our mountaineering harness (not included).

NOVA INVERTO

Lots of room, lots of protection



More safety

Many hike & fly harnesses are fitted with protection which only protects the posterior.
The INVERTO offers all-round protection - the airbag begins under the thighs
and nearly extends to the neck area.



**AIRBAG
PROTECTOR**



More space

With a 60 litre capacity, the INVERTO has plenty of room for a neatly folded paraglider and gear. Anything that needs to be accessed quickly can be stored in the top pocket. On the sides the INVERTO has pockets for a drinks bottle and a camera.



More comfort

The back and the carry straps are made from open-cell foam, which is covered by a mesh. Combined with a well thought-out backpack design, this means a high degree of comfort when carrying - even in high temperatures.



NOVA INVERTO



Features | INVERTO

Ultimate lightness.

Harnesses with the label Light Weight are extremely light and are ideally suited for mountaineering. The weight reduction is made possible by an intelligent mixture of materials and a smart construction.



**LIGHT
WEIGHT**

Air that protects.

Airbags offer an unbeatable weight to usefulness ratio. Our airbags are constructed to inflate rapidly and to protect the pilot's posterior including as much of the back area as is practically possible.



**AIRBAG
PROTECTOR**

Everything without compromise.

Not an ideal rucksack, not an ideal harness - traditional reversible harnesses have had to be a compromise between both. Our Inverted Bag gets rid of this contradiction.



**INVERTED
BAG**

SOMNIUM



The SOMNIUM can be flown without the pod. It can be removed with very little effort and replaced with a stirrup. This is a useful feature when flying in non-thermic conditions or ridge soaring.

ALTUS



The ALTUS is suitable for a diverse range of pilots. It offers a high degree of passive safety combined with little weight and excellent flying characteristics. In contrast to most reversible harnesses, it is intended for everyday use.

MONTIS



The MONTIS is aimed at mountaineers who are looking for a minimalist harness which is both super light and comfortable. The MONTIS can be used in conjunction with the INVERTO – a clever reversible rucksack – to make a well thought-out hike & fly package with a comfortable, spacious rucksack and an airbag that protects the pilot's posterior and back.

INVERTO



The INVERTO can be combined with the MONTIS, our mountaineering harness, to make a rucksack and airbag, which makes it perfect for hike & fly. It is aimed at any pilot who wants good packing volume, comfort when carrying and a high degree of passive safety.

Technical Data

		S	M	L	S	M	L	M	L	one size
Pilot height	cm	< 168	< 180	< 190	< 171	170-180	<190	165-180	< 195	
Harness weight	kg	3,7	3,9	4,1	3,5	3,7	4,0	0,320	0,340	0,985
Volume	litres									60
Colours		Racing Red			NOVA Red			NOVA Red		Black



Performance Paragliders



