



Manual

Mountain Harness

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WELCOME TO THE SOL TEAM!

You just have chosen a high quality product, manufactured under one of the most demanding industry standards worldwide. We believe that this equipment will allow you to learn and progress a lot in your flight experience.

We are expecting that this harness will bring you many great life memories. Moments that you want to remember forever. This way you'll be able to understand our work philosophy: security, performance, ease of operation and innovation.

Please pay attention on reading this manual. Here you'll find all the important information to use you r new equipment.

Eventually you'll have questions or doubts about the use of your equipment or you're interested in getting information about new products from SOL - we are at your disposal.

Thank you very much for choosing SOL PARAGLIDERS

Your SOL Team!

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THE HARNESS ALPAMAYO

Simplicity and lightness, without losing comfort and handling. SOL Paragliders focusing on the customers, offers for the fans of “hike and fly” a paralpinism a brand-new mountain harness: the **Alpamayo**.

The origin of the name is a fantastic mountain range, the Cordillera Branca, located in the Andes of Ancash in Peru. The **Alpamayo** is the most known summit in this region, and considered the most beautiful mountain in the world, cause his shape reminds the form of a perfect diamond.

As the name is suggesting, the new harness is made of noble textiles. It is a very light product. The weight does not exceed 600 gr and fits in a small bag, satisfying the need of lightness and little volume, fundamental elements for equipment in this sport activity.

PRECAUTIONS OF USE

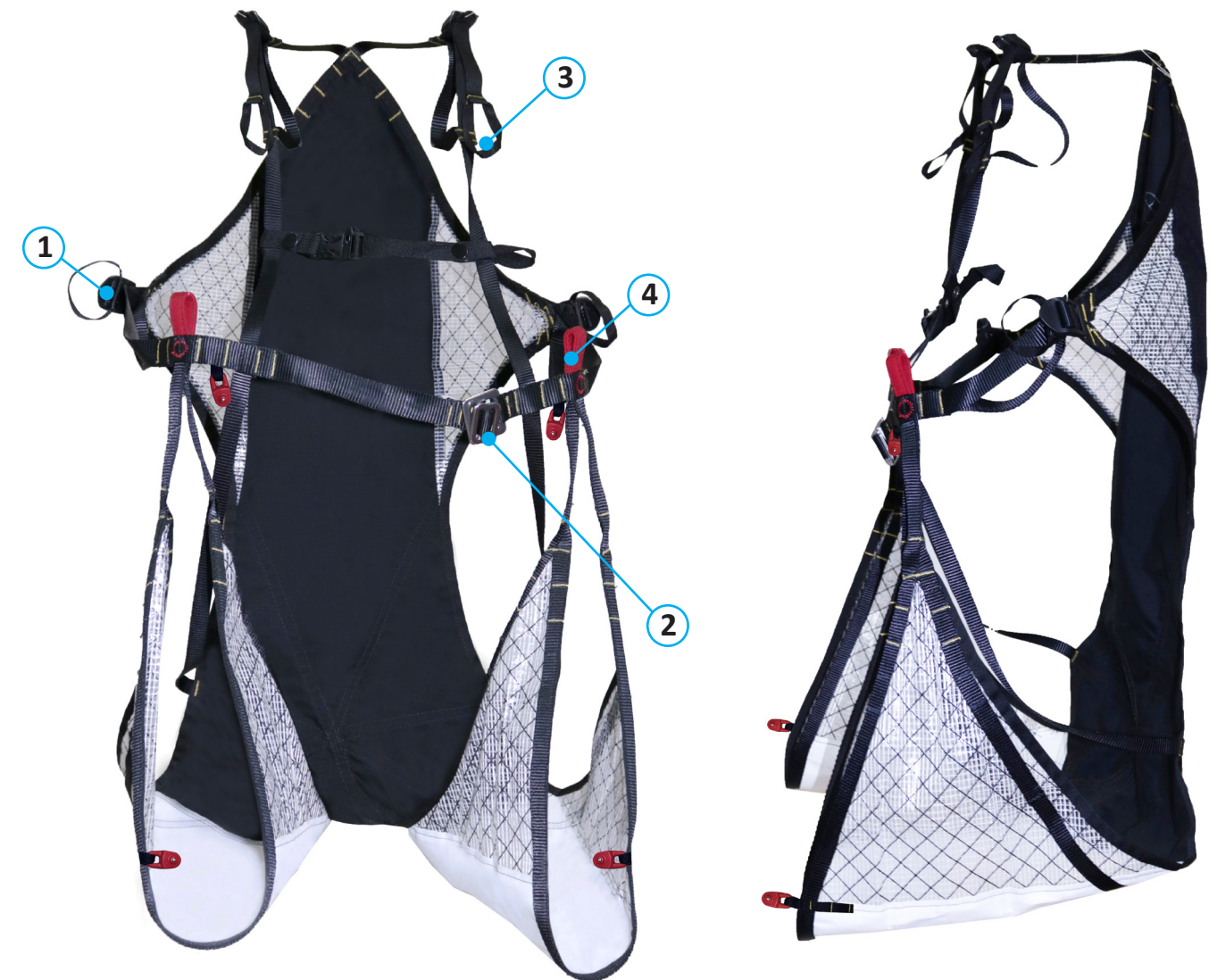
- The harness **Alpamayo** is an ultra-light equipment. It must be used with caution during hikes, paralpinism, with mini-gliders or speed-flying.
- It doesn't serve as a climbing seat. If used as such it might cause death.
- Intense use like constantly ground handling, flying on the beach or dunes and flight acrobatics increases the risk of damages. The use as a passengers seat during tandem flight is not recommended, cause it doesn't have any protection and will decrease durability.
- The harness must not be dragged over the ground. It has to be stored in a dry, well ventilated room, protected from sunbeam.
- The harness has to be protected from UV rays, heat and unnecessarily humidity.
- This harness could be used with paragliders from other brands. Please read your paraglider manual.

OBLIGATIONS AND SECURITY

- In order to buy our equipment you have to be a licensed para-gliding pilot with experience of this type of flight.
- You are willing to accept all risks included in such an activity, including the damage of a third party, physical injuries or death.
- The inappropriate use or abuse of your equipment is increasing this risks.
- Under no circumstances Sol Paragliders and/or the reseller of this equipment can be held responsible on possible damages to third parties or any other consequences of an accident, independent of any circumstances. The user, for that matter, remains totally and entirely responsible for his use.
- Any modifications on this harness will result in losing the conformity with the original project, the certification and warranty.
- Assure yourself to conclude a complete visual inspection before each flight of all your equipment. Never try to fly with damaged or incompatible equipments.
- Para-gliding is a potentially dangerous sport, which could cause physical injuries, paralysis and death.
- Always use a helmet, gloves and boots.
- All pilots must be properly licensed to fly within their categories and must have contracted the legally required insurances.

- Before each flight assure yourself, that you are physically and mentally fit for flying.
- Always choose the right wing, harness and conditions to fly within your experience limits and category.
- Pay extra attention on the terrain and climatic conditions before and during the flight. If your are not sure, don't fly. Making decisions - always keep a great safety margin. Avoid flying in rainy and snowy conditions, during strong wind or turbulent climatic conditions and avoid entering clouds.
- If you use good reason, common sense, right judgment and wisdom you'll be able to fly many years.
- Keep in mind – pleasure and fun are the fundamentals of our sport.

ALPAMAYO - OVERVIEW



1. Lateral adjustment

2. Chest buckle

3. Shoulder adjustment

4. Connection point for carabiner

ADJUSTMENTS AND INSTALLATIONS BEFORE FLIGHT

The first adjustment must be done in a simulator where you can be hanging in order to make the adjustments.

For your first flight, choose calm weather conditions. Should you need to make further adjustments, it will be easier to find the ideal position after this first flight.

CARABINER INSTALLATION



Attention

- Please make sure that you are following all indications of the carabiners manufacturer about their correct use. All carabiners need to be checked frequently for external visible damage, material fatigue or signs of malfunction. Guarantee that the carabiners are fully locked when installing.

RESERVE PARACHUTE INSTALLATION

The **Alpamayo** does not have an integral reserve parachute container.

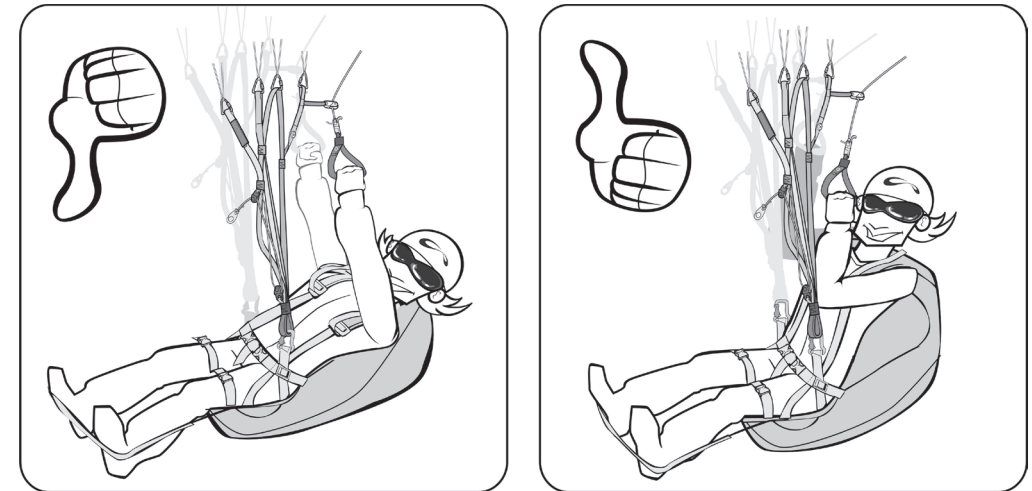
To fit a reserve parachute you must use a separate reserve container (not supplied). The reserve bridles should be attached to the main carabiners, use the same carabiners as used for the paraglider risers.

Attention

- Connections like “Soft shackles” or “Big Link Lites” can only be used to connect the paraglider risers to the harness. They must **NOT** be used to connect a reserve parachute!!! Dynamic load shocks could provoke a complete system failure, resulting in serious injuries or death.

FLIGHT POSITION ADJUSTMENT

We don't recommend a steep inclination, it might complicate a good view and the access to instruments, pockets or the reserve. The shoulder strap can be adjusted to the pilots height. For better comfort, the shoulder straps support part of the dorsal weight. The pectoral strap is fixed in conformity within an average pattern, not allowing the pilot to get loose, but also not tightening the hip of the pilot.



HARNESS ADJUSTMENT WEARING THE HARNESS ALPAMAYO



FINAL ADJUSTMENTS

PECTORAL AND LEG STRAP ADJUSTMENT

- The harness has no adjustable chest strap. The buckle without adjustment has an ideal length for handling the glider without causing risks or compromising the safety. There is a protection for the chest buckle (image 4), which avoids that the buckle opens during flight. Attention: don't forget to attach it.
- There also is no leg adjustment, cause we wanted to keep the harness simple and light.

SHOULDER, CHEST AND LATERAL ADJUSTMENTS

1. For more comfort the shoulder straps must be adjusted symmetrically.
2. The chest strap has to be adjusted to avoid that the shoulder straps don't fall off the shoulders. An emergency whistle is integrated in the chest strap buckle.
3. For more comfort the lateral straps must be adjusted symmetrically. We don't recommend a steep inclination, it might complicate a good view and the access to instruments, pockets or the reserve and will cause discomfort. The harness was projected for a more upright seating position for better weight distribution.



Before each flight with your **SOL** harness, carefully check out this points:

- Each leg is correctly connected.
- Putting on the harness **Alpamayo** pay attention if all buckles are closed firmly and the protection for the pectoral buckle is in place.

TAKE-OFF BY TOW

The harness **Alpamayo** was not designed for take-off by tow. A SOL don't recommend a take-off by tow.

TANDEM FLIGHT

The harness **Alpamayo** was not designed for tandem flight. The use for tandem flight is not allowed!

ACCESSORIES AND OTHER ATTACHMENT POINTS

The harness **Alpamayo** was not designed to attach accessories like speed bar, container, etc.

LANDING ON WATER

Even the harness has little volume and weight and gives the pilot total mobility, a landing on water should be treated carefully. The risk of drowning always exists, cause the contact with the glider and his lines cannot be out ruled. If the landing happens in salt water there is a risk that your harness might be damaged, if not treated correctly afterwards.

In case your harness gets wet, try do dry it with less time possible to sun exposition. Avoid dragging your harness over ground, rocks or wet surface. Avoid to expose your equipment for a long period to UV radiation (sun light), to humidity or heat. All these things will harm and age unnecessarily your equipment and the materials.

INSPECTION AND CLEANING

INSPECTION

To maintain the certification and/or airworthiness your SOL harness has to be inspected regularly by the manufacturer or accredited workshop. A new harness has its first inspection check after 2 years or 100 flights or 100 flight hours, whichever comes first. After the first inspection any harness has to be checked yearly.

CLEANING

For cleaning your **SOL** harness use water and neutral soap, avoid scrubbing the seams.

STORING

Avoid storing the harness for long periods in areas with high humidity or heat, for example in the trunk of a car, this causes premature aging of and/or is compromising the materials and function. Sunbeams and ultraviolet radiation will destroy the molecular structure of the materials.

Don't store the harness nearby fire and/or sharp objects. All contact with liquid acids has to be avoided. In case of suspicion of contact ask your reseller **SOL**.

NATURE AND ENVIRONMENT

Please fly in accordance to preserve nature and environment.

OUT OF USE

If your harness gets out of use remember it cannot be recycled. Please give it to your distributor or your flying-school, they should know how handle it.

WARRANTY

SOL WARRANTY - 1 YEARS/100 HOURS

Every harness manufactured has a Warranty of 1 Years or 100 Hours of Flight, whichever comes first. Our technology, through the utilization of quality materials and the adoption of new manufacturing processes, allows us to offer you, our client this added bonus. This warranty is defined as repair or substitution of the defective equipment parts determined by the producer.

WARRANTY TERMS

1. This warranty is defined as repair or substitution of the defective harness parts determined by the producer.
2. This warranty is valid for all harnesses with LTF/EN certification, rated for leisure use only. This warranty does not include harness rated for professional use (school, competitions, aerobatics, etc).

WARRANTY CONDITIONS

1. A warranty registration has to be filled out correctly within 30 days after the purchase (you can find the registration here: www.solparagliders.com.br/registro.php). All flights must be logged providing information on date, place and length of flight.
2. The equipment must be kept in accordance with the instructions provided in this manual.
3. All the storage, folding, cleaning and care instructions must be carefully taken.
4. Maintenance and inspections can only be performed by the manufacturer or authorized shop and must be properly documented.
5. The owner is responsible for all shipping expenses to and from the manufacturer.
6. In order to make a plea for repair or equipment exchange, or equipment repair, which shall be decided and performed only SOL Paragliders, the owner must send the manufacturer the following:
 - a) The harness in question, and copies of all previous inspections and flight registry.
 - b) Original copy of the Warranty Registration Form SOL Paragliders.

THIS WARRANTY DOES NOT COVER

1. Any alterations on original fabric colors, lines and risers.
2. Any damage caused by chemical products, sand, friction, cleaning products or salt water.
3. Any damage caused as a result of errors during operation of the harness, incidents or emergency situations.
4. Any damage caused by inadequate operation of the harness.
5. A harness that may have been subjected of any alteration from the original design and without proper permission from SOL Paragliders.
6. Damages caused by inappropriate transport, storage or settings of the harness.
7. Damages caused by the use of not compatible components with the harness.
8. Damages caused by the use of inappropriate packaging for the transport.
9. Harness without original identification label and serial number.
10. Handling inadequately to the instructions given in the owner's manual.



CERTIFICATION AND WEIGHT DURING FLIGHT

The harness **Alpamayo** is certified within EN for a maximum weight in flight of 100 kg.

SIZE AND WEIGHT

The harness **Alpamayo** exists in one size only and weighs 570 gr.

The maximum weight: The harness **SOL Alpamayo** only could be used as a light air sport equipment. The maximum pilot weight allowed is 100kg/100dkN.

TABLE OF REFERENCE

		Kg												
		45	50	55	60	70	75	80	85	90	95	100		110
E	1,55													5'1"
	1,60													5'2"
	1,65													5'4"
	1,70													5'6"
	1,75													5'7"
	1,80													5'9"
	1,85													6'1"
	1,90													6'2"
	1,95													6'4"
	2,00													6'6"
		99	110	121	132	154	165	176	187	198	209	220	242	
		Lbs												

Attention

- This table is only a reference. Speak with your seller or flight shool to know your exactly harness size.

MATERIALS

Webbing Poliester	Fita Poliester	24 x 1,2 mm Premium Textiles Ltda / Reeltex Ltda.
Fabric Dacron	Tecido Dacron	Oyapoc Tecelagem
Fabric Bainbrige	Tecido Bainbrige	Bainbridge Inter Inc.
Nylon pulley 12mm		

FINAL WORDS

Safety is the major theme of our sport. In order to fly safely, pilots must train, study, practice and be alert to the dangers around us. In order to achieve excellent safety levels, we must fly regularly as much as possible, don't go beyond our limitations and avoid exposing ourselves to unnecessary dangers. Learning to fly is a slow process and takes years, so don't pressure yourself. If conditions are not favorable, keep your equipment stored away.

Don't overestimate your skills and be honest with yourself. Every year we see many accidents which in most cases could be prevented with a minor adjustment.

We are a part of the community in which we live: friends, family and even people we don't necessarily know worry about us. Our obligation towards this community is to keep ourselves healthy and that at each landing we will be one landing happier than before. We fly so that we can feel more alive.

We wish you good and safe flights with your new harness.

SOL Paragliding Team !!



INSPECTION

Owner:	
Address:	
Phone:	
Date:	

Item	O.K.	Observation
Seams harness		
Seams straps		
Pulleys		
Zipper		
Carabiners		
Buckles		
Reserve container		
Straps and connection points		
Structure		
Fabrics		
Release handle		
Back protection		
Accelerator		
Chest Buckle		
Lateral adjustments		
ABS System		
Seat		
Observation		



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