

## GENERAL INFORMATION

This technical Manual provides essential instructions for proper use and maintenance of this product. If you have questions or problems with the product or to better understand this manual, please contact our Office Coach.

### Attention

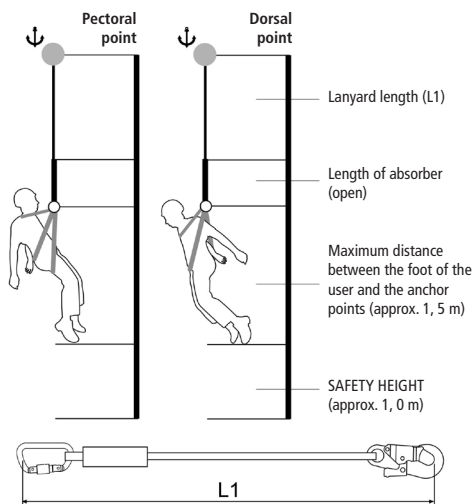
Specific prior training is essential to the use of this product.

Draw up a rescue or evacuation plan before any activity. Specific methods increase the safety margin in the activities and work performed in time.

### FALL-FREE ZONE (ZLQ)

It is essential that the user pay attention to minimum free space required beneath the feet, with the aim of avoiding the shock against the structure or the ground in case of a fall.

### How to calculate free Fall Zone (ZLQ)



The measure of L1 must understand the inside end of a connector to another of the lanyard (with shock absorber closed), as shown in figure below.

It is impossible to imagine or list all the possible wrong ways of use, so only the recommendations expressed in this manual are allowed. To prolong the life-time and better using this product we recommend to read, understand and follow the instructions listed below.

## EQUIPMENT INTEGRITY RISKS

### Temperature

This product must be used in a temperature between -40° C and +80° c.

### Cuts and abrasion

Avoid friction on rough surfaces and sharp edges during the use.

### Chemicals

All chemical products, corrosive materials and solvents can be dangerous, as they may react with the raw material of the product. In case of doubt or contact with them, contact with our Technical Dept.

### Exposure to UV rays

Despite the high resistance of polyester to the action of UV rays, it is recommended not to leave the equipment exposed to same as the time required for the job.

### Fall and impacts important - Dispose

Do not use this product after a fall or an important impact: even if there are no external or visible signs, a deformation may restrict its operation or it is possible that an internal attrition has occurred, thus reducing its resistance.

## EVALUATION OF THE INTEGRITY OF THE EQUIPMENT

### Inspection

For greater security and control of your equipment, we advise you to be drawn up a record of inspection for each product. Inspection of this product shall comprise the following:

#### A inspeção deste produto deve compreender:

- Seams: attention to loose or worn wires;
- Tapes: attention to cuts, wear by abrasion, damage caused by use, heat, chemicals, etc;
- Colour: check the loss of colour of ribbons, what can be cause for product disposal, even if healthy.
- Metal parts: attention to points of rust, wear and cracks.

We recommend that inspections be made PERIODICALLY.

Ultra Safe offers a Equipment inspection full document model. Download at [www.ultrasafe.com.br](http://www.ultrasafe.com.br)

## STORAGE AND TRANSPORT

In transportation and warehousing, note the following conditions:

- Keep it in its original packaging or in bags or backpacks (not waterproof)
- Identified
- Clean
- Dry
- In airy place
- Under room temperature
- Protected from the sun or direct sources of light
- Protected from corrosive or aggressive substances
- Away from the soil, mainly cement
- Never place weight on the equipment

## CLEANING AND SANITIZING

To save your product and keep its useful life, we recommend to always rinsing your equipment and especially when it is used in aggressive environments (saline aggressive environments, exposure to gases and others).

Excessive sweating of the body can also damage gradually the metal parts of this equipment. This is all the more reason for it to be washed periodically.

### Cleaning

Textile products should be washed and rinsed by hand only with abundant clean water (maximum temperature: +30°C) and with a soft brush, if necessary.

### Drying

In the initial phase of drying can use a white cloth clean (without any chemical interference) for the withdrawal of excess water and then let it dry slowly shade, in well ventilated place, away from any sources direct heat.

## MAINTENANCE, MODIFICATION OR AMENDMENT

Any modification, alteration or repair without consent from the manufacturer is strictly prohibited, resulting in cancellation of the warranty and Disclaimer of Company on the product.

## USEFUL LIFE

The lifetime, unused, is 5 years from the date textile equipment manufacturing and components metallic. The life of the product is the term that expresses the period in which the product maintains its characteristics physical and mechanical without considering any kind of wear or use. A severe wear or fall can limit the lifetime single use only.

## WARRANTY

This product follows the accompanying warranty policy product. In case of doubt or loss of warranty tag, contact us via the website [www.ultrasafe.com.br](http://www.ultrasafe.com.br). If you want to trigger the warranty against manufacturer's defects or maintenance of your equipment please contact [sacultrasafe.com.br](mailto:sacultrasafe.com.br)

This product is guaranteed against any defect of manufacture.

Are excluded from this warranty:

- Normal wear and tear
- Modifications or alterations
- Incorrect storage
- Lack of maintenance and cleaning
- Uses for which this product is not intended
- Oxidation by salinity, perspiration, body storage with the still damp equipment or wet.



## Harness

# TORINO LIGHT

Torino Light Size 1  
USC400610001

Torino Light Size 2  
USC400610002

## Meets

ABNT NBR 15.836/2010

ABNT NBR 15.835/2010

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# TORINO LIGHT



## FEATURES

### Non-aggressive raw materials

This equipment is manufactured with raw materials that do not contain substances known or suspected to cause damage to the user.

### Textile Material

Made of high tenacity polyester tapes

### Padded waist and leggings

**Air Mesh** - synthetic fiber of high tensile strength and friction, provides breathability and soft touch.

**Thermo Form®** - progressive density foam, provides comfort and breathability, avoiding the accumulation of moisture.

### Buckles

Double buckles sets made in stamped steel

### Metallic rings in D for positioning

Made of stamped steel

Breaking load: 22 kN

Located on the sides, are hollow, allowing position them forward, facilitating the coupling of lanyards, or hit them back, facilitating the INOUT in confined spaces or hard to reach places.

### Porta equipamento (alças) – Carga máxima: 2 kg

(NUNCA use este ponto para ancoragem.

PERIGO DE MORTE!)

### Gear loops (plastic handles) – Maximum load: 2 kg

(Never use this point for anchoring.

DANGER OF DEATH!)

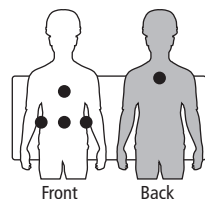
### Weights and dimensions

#### SIZE 1

Waist: ≤100 cm Legs: 50 a 65 cm Weight: 2058g

#### SIZE 2

Waist: 95 a 120 cm Legs: 60 a 75 cm Weight: 2117g



### 5 anchor points

#### 1 dorsal point and 1 pectoral point

Used for locking the connection drops or lanyard for fall arrest constraint (we recommend lanyards with energy absorber)

### 1 ventral ring

Should only be used for jobs in suspension or descent

### 2 side rings

Must be used together to work with positioning lanyards

## INTENDED USE

For restriction and retention of falls in works carried out at height, rescue, permanence in suspension, placement and vertical movement (ascent and descent by rope).

## DIRECTIONS FOR USE

Illustrative images



Put on the leg loops, positioning the rings and handles on the front of the body;

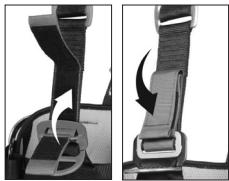
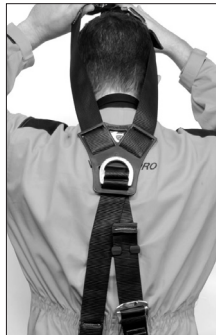
Position the waist at the iliac point of the body;



Fit the two buckles from waist so that they well regulated and safe;

Fit the two buckles leg loops so that they safe and comfortable.

Put on the shoulder straps passing it by the head.

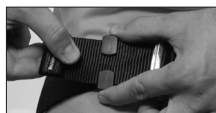


Pass the minor buckle attached to the shoulder strap through the bigger buckle of the abdominal part.

Then close the velcro up first and, to finalizing, close the second velcro down.



If necessary, adjust the adjustable back tapes of leg loops for comfort.



Secure with the web-keepers the loose ends of the web coming out of the buckles so that do not interfere in the activity.

## MEANING OF MARKINGS (LABELS)



- Logo
- Name of the harness
- Product code
- Size
- Nº of certificate of approval
- Read the manual
- Manufacturer name
- Standard met
- INMETRO Seal

### Indicative of anchor points against fall



#### "A" woven label

Indicates the anchor points against fall

#### "A" embossed letter

Located in the backrest in the dorsal point

### Manufacturing date - Batch label

Contains information concerning the dates of equipment production

DATA: 11-10 LOTE: 10 323

Month \_\_\_\_\_ Year \_\_\_\_\_  
 Year \_\_\_\_\_ Day of \_\_\_\_\_  
 the Year \_\_\_\_\_



## Fall indicator label

Assists the inspection equipment; indicates the need of product disposal; in case of doubt consult the manufacturer.

## PRECAUTIONS

- It is essential to use an anchor point reliable. The anchoring device must be designed in such a way that, within the conditions most adverse usage, the user is able to perform the risk activity with the assurance of a safety factor 2 for the whole system.
- Consider ALWAYS the Fall-free zone (ZLQ). See topic at the back of this manual;
- Use the 2 lateral rings ALWAYS simultaneously never use just one of the side points. Risk of damage the column in case of a fall.
- Use the ventral point ONLY for constraint, positioning or descent. NEVER use the ventral point for fall retention!
- Consider whenever the personal protection system fall is so designed that a force of impact less than 6 kN will be generated in worker in occurrence from a fall.
- Never disconnect the structure.
- Properly Adjust all straps, buckles and connectors and monitor them during the execution of the work;
- Periodically Inspect your PPE;
- Always double their security systems against falls;
- In case of a malfunction the product must be unusable;
- Analyze or dispose the product in case of a fall or violent impact, abrasive wear, change of coloration due to UV rays;
- No apparent internal ruptures can cause a decreased resistance limiting its operation;
- Dust and sand are abrasive elements and when come into the seams and ribbons of the belt can reduce gradually the resistance of its internal fibers;
- Wash your textile equipment where necessary;
- Carefully read the threads at the back of this manual.

## COMPATIBILITY WITH OTHER EQUIPMENT

Use this belt only the Lanyards and Fall arresters tested and approved by NBR ABNT for work at height equipment related to each type of equipment. The equipment allowed for use in conjunction with the belt are related in their respective CA. Refer to the documentation.

Use only connectors that meet the NBR ABNT 15837: 2010 standards

### FALL ARRESTER

UST00133A000 ..... FALL ARRESTER BLOCK ROPE MQ  
 UST00133B000 ..... TRAVA QUEDA BLOCK CORDA AB  
 UST00141A000 ..... FALL ARRESTER BRAKE ROPE MQ  
 UST00141B000 ..... FALL ARRESTER BRAKE ROPE AB  
 UST500410000 ..... FALL ARRESTER STEEL BLOCK STEEL 8mm

### RETRACTABLE FALL ARRESTER

USTR50001000 ..... RETRACTABLE FALL ARRESTER FOR STEEL CABLE

### LANYARD AGAINST FALL

USL0052A5600 ..... LANYARD AGAINST FALL SDE DUPLO MGO56  
 USL0052B0000 ..... LANYARD AGAINST FALL SDE DUPLO MGO60  
 USL0052C0000 ..... LANYARD AGAINST FALL SDE DUPLO MGO110  
 USL0052X0000 ..... LANYARD AGAINST FALL DUPLO CODA  
 USL0053A5600 ..... LANYARD AGAINST FALL SDE UNICO MGO56  
 USL0053B0000 ..... LANYARD AGAINST FALL SDE UNICO MGO60  
 USL0053U0000 ..... LANYARD AGAINST FALL SDE UNICO 1,5M CHOCK  
 UTL001556000 ..... LANYARD AGAINST FALL UT ABS 1,5M MGO56

### POSITIONING LANYARD

USL005420000 ..... POSITIONING LANYARD GIRO 2M  
 USL005430000 ..... POSITIONING LANYARD GIRO 3M  
 USL005450000 ..... POSITIONING LANYARD GIRO 5M  
 USL00542AE00 ..... POSITIONING LANYARD GIRO 2M ALV EMB.  
 USL00543AE00 ..... POSITIONING LANYARD GIRO 3M ALV EMB.  
 USL00545AE00 ..... POSITIONING LANYARD GIRO 5M ALV EMB.  
 USL410402000 ..... POSITIONING LANYARD GIRO CORD 2M  
 USL410403000 ..... POSITIONING LANYARD GIRO CORD 3M  
 USL410405000 ..... POSITIONING LANYARD GIRO CORD 5M