

# **2** DESCRIPTION AND FIELD OF APPLICATION

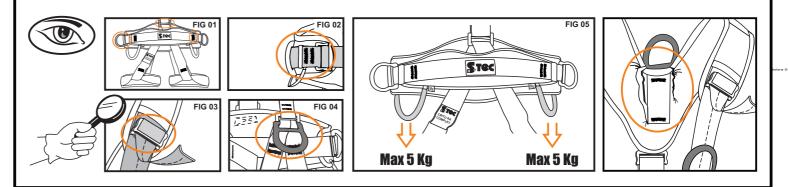
The Safe-Tec Full Body Harness it's a fall arrest PPE for work at height, rope access, confined spaces and rescue activities at height. This product must only be used for one person. This product must only be used by persons who are trained and competent in its use or those placed under the direct and visual supervision. This PPE has six double-back buckles esay to use and fast adjustment. The harness has five "D"-rings attachment points: front sternal and back dorsal "D"-ring fall arrest points indicated by the letter "A" + front waist "D"-ring and two side work positioning "D"-rings. Manufactures in two models: CC302 with "D"-rings in stainless steel and CC502 with "D"-rings in aluminium. Materials: nylon, polyester, aluminium, steel. This product has been tested in accordance with CE EN 361:2002, CE EN 358:2018 and NBR 15835:2010, NBR15836:2010.

# **3** COMPATIBILITY

Check the compatibility of the harness with the other components of the fall arrest or work positioning system. The user is responsible for ensuring the combination of all components in the rope access system do not adversely affect the performance of any item with due regard to all user instruction. During use keep closed the screw lock carabiner. **Connectors:** EN 362-B; EN 12275; NBR 15836; NBR 15837-B. **Back-up device:** EN 12841 type A; NBR 14626. **Lanyard:** EN 354; NBR 15834

# **4** INSPECTION

The full body harness must be inspected before each use and carried out and recorded by an authorized competent person at suitable periods, these should be at no more than six months interval. Check the webbing at the attachment points (FIG 04), at the adjustment buckles (FIG 01) and at the safety stitching (FIG 02). Look for cuts, wear and damage due to use, to heat, and to contact with chemical products. Check that the buckles operate correctly (FIG 03). Check if the batch label is readable. Each equipment loop supports a maximum load of 5 Kg. Following any emergency incident, the harness must be removed from service for examination. If there is any doubt about the condition of the harnesses, contact S.Tec.







CE 0598 CE Notification Body SGS FIMKO OY: P.O Box 30 Takomotie 8, FI-00380, Helsinki, Finland.

# www.safetecbr.com.br

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ISO 9001

STEC		VERTEL	
Device		Rope Access Full Body Harness	
Supplier			
Serial Number			
1 <sup>st</sup> Use	Expiry		

RECORD OF USE

 Ist Use
 Expiry

 Acquisition date

 User Traceability

Record of Use and Periodic Examinations Users should record details of use. Maximum period between Periodic Examinations is 6 months

Date	User or Examiner	Details of Use-or Result of examination	

Duplicate this sheet for continued recording. Contact Safe Tec for further information.

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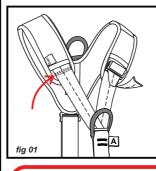
### **5** PRINCIPLE OF OPERATION

The equipment is made of 2 main parts, superior and lower, that together form the harness. The harness is a PPE and this product shall not be used outside the recommendation described on this manual. The Safety Working Load (SWL) is tested for a person until 100kg. During the life time of the equipment verify the seam conditions. This product only can be used by trained people. Misuse can cause serious injury and accidents, including death. Users assume all risk and responsibility for any and all damage or injury involving the use of this product. Do not use this equipment for any other purpose for which it was not designed.

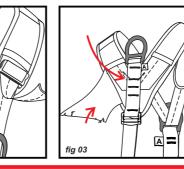
NOTE: The certification test mass used is 100 kg. The 100 kg SWL was obtained from factory testing.

#### SEVERE FALL INDICATORS

The STEC harness has strategic points on the belts that indicate the need for analysis and inspection in case of severe user fall.



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**ATTENTION:** After retaining a severe fall, the indicative seam on the chest of the harness breaks (fig 01).

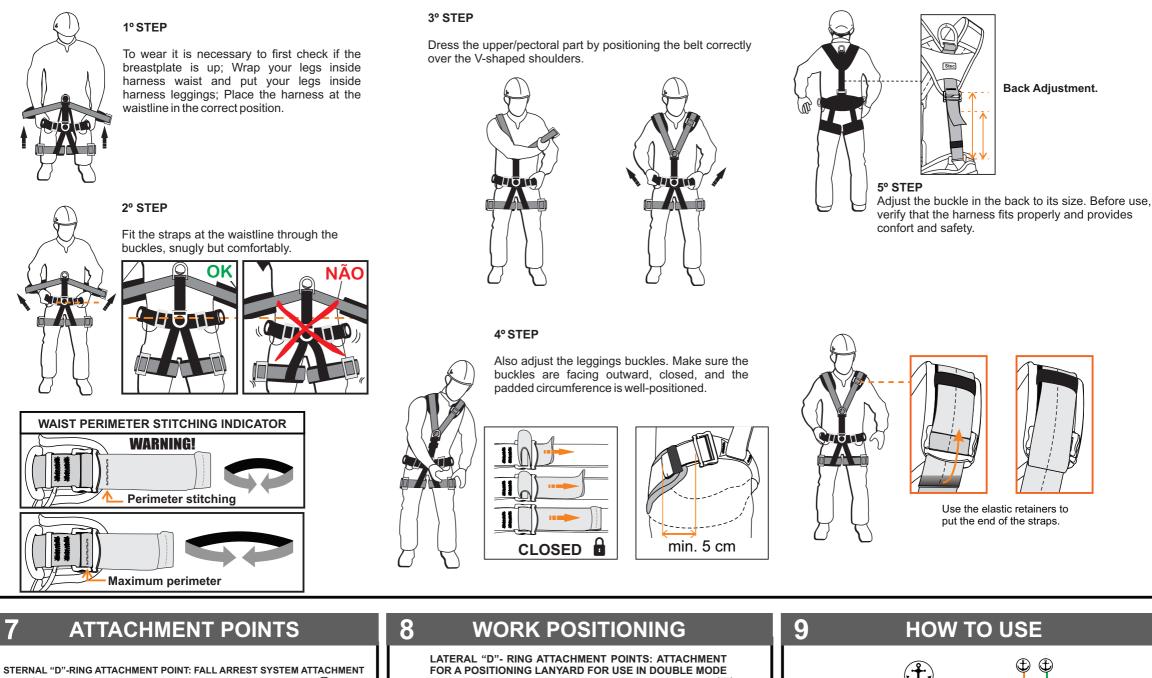
If the fall is stopped by the dorsal attach element, there is a tear in the padding (fig 02) and belt lining (fig03).

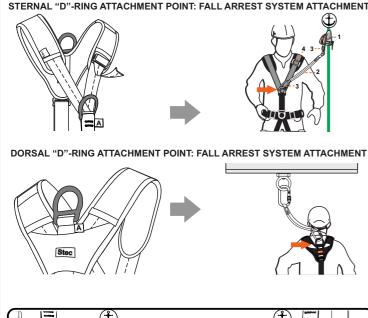
This tear is an indication that the harness has retained a severe fall. This tear does not compromise the user's immediate safety and integrity; however, the harness must be removed from use after arresting a severe fall.

#### **ATTENTION!**

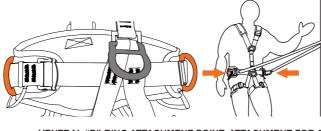
The harness, individually is not a fall arrest device, it is necessary to complement the fall protection system with a difference in level with the appropriate components with the standards EN 361, EN 358 and EN 813. The belt must be discarded after arresting a fall.

### 6 INSTRUCTIONS OF USE



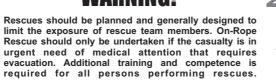


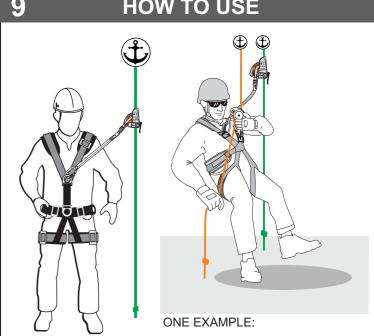




#### VENTRAL "D"-RING ATTACHMENT POINT: ATTACHMENT FOR A DESCENDER OR A POSITIONING LANYARD FOR USE IN SINGLE MODE







#### Operational check:

S.O.S.

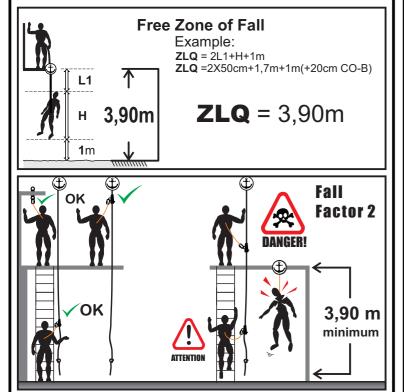
**GENERAL INFORMATION** 

While wearing the harness, the user should hang in suspension with his equipment to verify that the harness is adequate for intense use. Make all the necessary adlustments before start work.

Free Zone of Fall is the distance found by multiplying the maximum length of the extender (L1) x 2, and add the height of the operator (H) plus 1 meter. Example: L1 = 0,7 m (EX03 Extender + 2 COB connectors) H = 1,7 m (operator height). **ZLQ = 2L + H + 1.20m** 

**CLEARANCE DISTANCE** 

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NOTE: This example of ZLQ only covers the use for **CF = 2** (Fall Factor 2). When used with other equipment the ZLQ may increase or decrease. Check the workplace.

Read and understand this manual prior to use and save for future reference. Only the techniques presented in this manual are authorized. Some examples of miss-use are included, these have a stripe or pictogram of a skull and should be avoided, these are some examples of miss-use, it is impossible to foresee all ways equipment can be miss-used and users should never use equipment in ways that are not 100% verified prior to being used to provide personal safety, in case of doubt contact S.Tec. When any doubt exists regarding its efficiency equipment must not be used.

**Sea Water:** it is essential that this product is cleaned as soon as practicable after each exposure to sea water or saline environment.

**Chemical reagent:** avoid contact with any substance or material that may causes corrosion or other damage to the any material or working action of the device. If contact occurs consult expert advice as to damage and decontamination requirements. Inspect prior to any re-use.

**Disinfection:** following any contamination the source of the contamination should be determined and advice obtained as to suitable disinfecting procedure. After disinfection the device should be re-cleaned. Sterilization may be required.

**Cleaning:** If soiled rinse in clean warm water of domestic supply quality (maximum temperature 40°C) with mild detergent at appropriate dilution (pH range 5.5 - 8.5). Dry naturally away from direct heat sources. To remove grease use a detergent that has properties that do not affect the textile or metal components.

Lifespan: it is very difficult to define the safe lifespan due to

varying use and storage conditions and may be as little as one use, or even earlier if damaged (e.g. in transit or storage) prior to first use. For the product to remain in service it must pass a visual and tactile examination. Maximum lifespan: 5 years from 1st use or 10 years without use.

**Warranty:** The Rope Access Complet full body harness has a 1 year warranty against manufacturing defects, proof of purchase required. The warranty does not cover use wear, miss-use, abuse, neglect or any alterations, maintenance or repairs performed outside the factory.

**Obsolescence:** this product may become obsolete before the end of its lifespan. Reasons for this may include changes in applicable standards, regulations, legislation, development of new techniques, incompatibility with other equipment etc.

Declaration of Conformity: Can be acessed on www.safetecbr.com.br

# Do not store wet.

# www.safetecbr.com.br