



User's Manual Harnesses

CE 0120

EN 12277 Mountaineering equipment
Type C Sit Harness

Caution!

Read and follow instructions carefully before use.
Only trained and experienced experts or one who are under his/her direct supervision can use this.

Product Marking

Liberty, Eldo, Diamond(Devi), Cosmic, Gym, Mountain : Model name
XS, S, M, L, XL / L, S / OSFA : size of HARNESS

(unit : inch)

	X-Small		Small		Medium		Large		X-Large	
	Waist	Loop	Waist	Loop	Waist	Loop	Waist	Loop	Waist	Loop
Diamond Eldo Mountain	27~30	20~22	29~32	21~23	31~34	22~24	33~36	23~25	35~38	24~26
Devi	24~26	19~21	26~28	20~22	28~30	21~23	30~32	22~24	32~34	23~25
Liberty	XS/M : 23~32(W) / 18~22(L)					L/XXL : 32~40(W) / 21~26(L)				
Cosmic Gym	Free : 23~40(W) / 18~26(L)									

CE 0120 : CE Marking for Directive
89/686/EEC Article 11

EC Type-examination by :
SGS United Kingdom Ltd.,
Weston-super-Mare, Somerset, BS22 6WA, UK.

Notified Body No : 0120.
0110 : Lot number : YYMM : year & month



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How to use ...

- Improper use of this product may cause serious injury or damage.
- Careful attention and instruction is required to use this product.
- **Read and understand the properties and characteristics of this product.**
- Only the persons trained and experienced on mountaineering or ones who are under his/her direct or indirect control can use this product.
- See detailed instructions on next page.

If the Harness is damaged.

If the harness is potentially damaged from a serious fall, discard the harness.

How to maintain ...

- Always check the operation status before/after use.
- If required, wash with mild soap, warm water (maximum 40 degrees C)
- If exposed to seawater, clean well and dry in a cool dark place
- Keep away from sun light and chemical reagents.

Lifespan or how to assess it.

- 3-5 years when used monthly.
- 1-2 years when used weekly.
- 4-6 months when used daily.
- Sudden impact can shorten the life.
- Visually inspect for damage before and after use.

Limitation on use

- Discontinue use of this harness if it sustains a sudden high impact load like a large fall, even if no damage is visible.
- Replace harness if any defects such as broken stitching, cracks, damages, abrasion or corrosion is visible.

Effects of chemical reagents and temperature

- High temperature over 80 degrees C can shorten the lifetime.
- Chemical reagents like strong acid can corrode the webbing and buckle.

Effects of storage and ageing

- When harness is stored in damp air, buckle can be corroded and the harness damaged. Do not store in damp air.
- There is an ageing effect which gradually reduces the strength of the webbing, especially if stored in sunlight.

Guidance on choosing other components in the system

- The harness is compatible with other CE marked climbing equipment.
- Correct choice and use of all climbing equipment requires specific training.
- Consequences can be fatal.

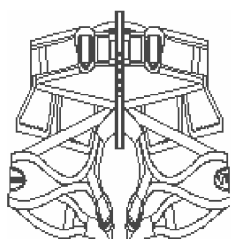
Tying in

Tying into rope must be done directly, without using a carabiner.

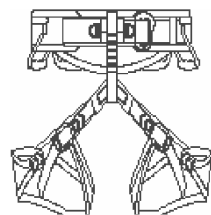
In certain situations where the risk of a fall is reduced (glacier travel,...), two locking carabiners (EN 12275) may be used to tie in.

Attaching belay or rappel device

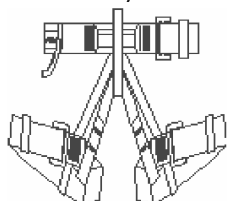
Use a locking carabiner (EN 12275) attached to the belay loop on the front of your harness to attach the belay or rappel device. Attaching a carabiner directly to the tie-in points on your leg loops and/or waistbelt can cause equipment failure, injury or death.



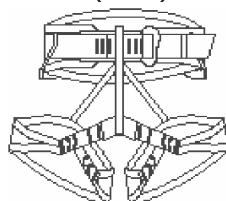
Liberty



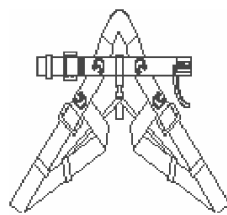
Diamond (Devi)



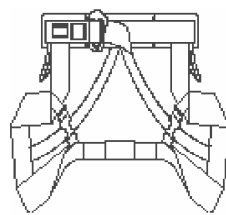
Cosmic



Eldo



Gym

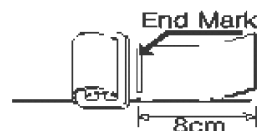


Mountain

Warning:

Never use gear loops (max load 5kg) or haul loop (max load 25kg) for tying-in or belay/rappel. They are designed to hold gear only and will not support body weight.

Be sure that all harness buckles are doubled back with at least 8cm of tail and the red stitching end mark is showing on the tail of the webbing.



2. DO



Tying rope must be directly into harness use 2 locking carabiners

3. Do not



TRANGO 2 year guarantee

This product is guaranteed for 2 years against any faults in materials or manufacture. Exclusions from the guarantee : normal wear and tear, modifications or alterations, incorrect storage, poor maintenance, damage due to accidents, to negligence, or to improper or incorrect usage and uses for which the product was not designed.

Note : Canyoning, caving, commercial, industrial or non-recreational use increase the rate of wear considerably. TRANGO is not responsible for the consequences, direct, indirect or accidental, or any other type of damage befalling or resulting from the use of its products.

We recommend the use gloves when using belay & rappel techniques.

Questions? www.trango.com