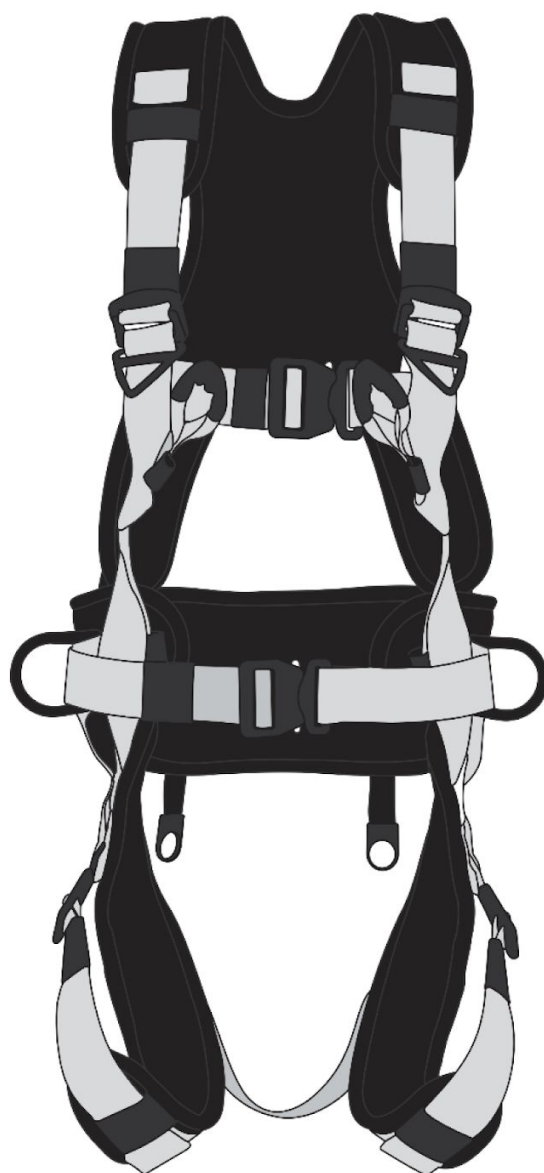


## KRATOS - HARNESS INSTRUCTIONS



For your safety, comply strictly with the instructions for use, verification, maintenance and storage. George Taylor & Co. cannot be held liable for any direct or indirect accident occurring as a result of use other than provided for in this notice; do not use this equipment beyond its capabilities!

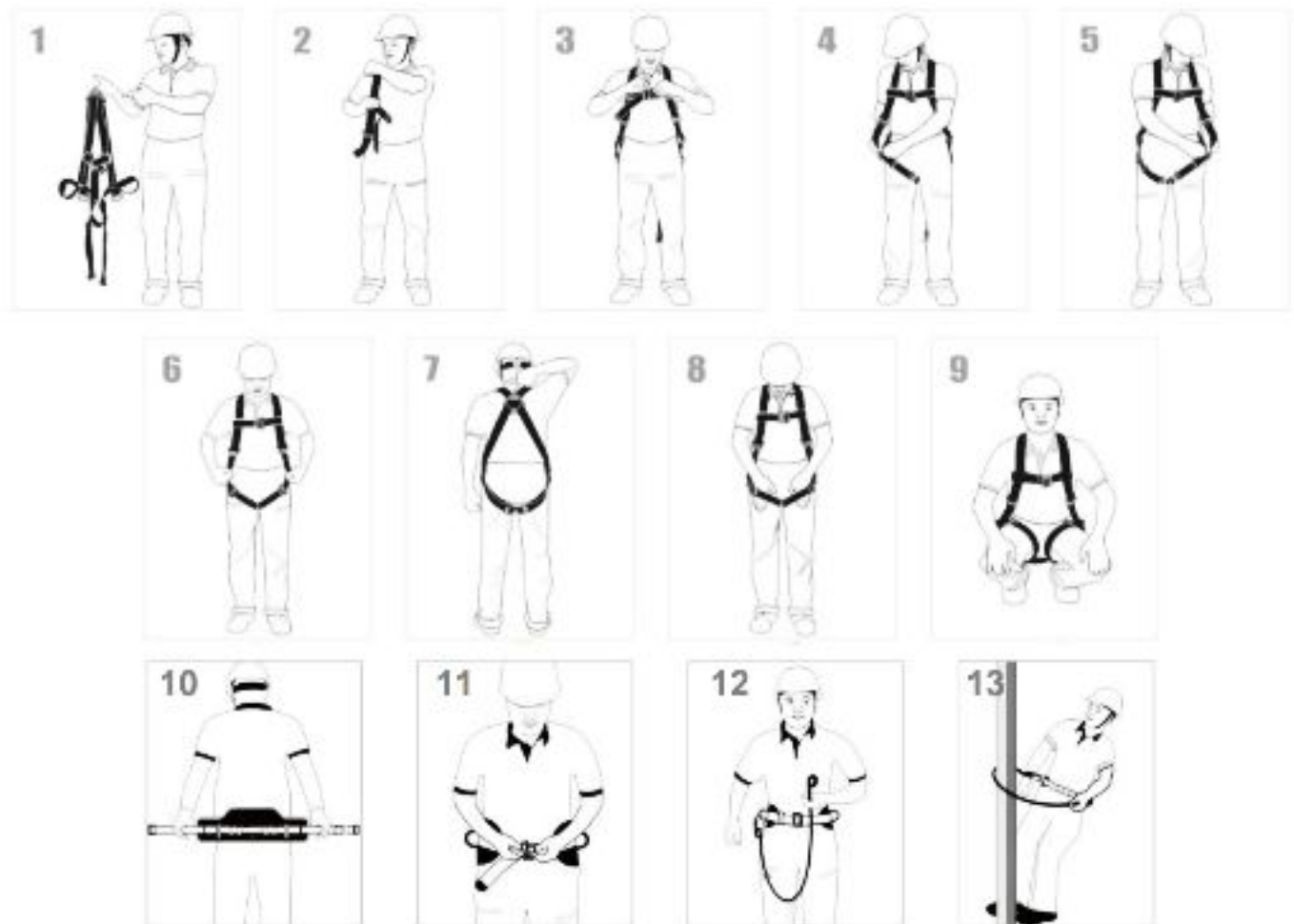
## USE AND PRECAUTIONS

A harness (harness + belt) is a piece of personal protection equipment; it should be allocated to a single user (it can only be used by one person at a time). A harness should first be adjusted to the size of the operator.

The straps should be adjusted once and for all so that the sub-pelvic strap is in position and the back plate is properly positioned between the shoulder blades.

A harness should be adjusted as close as possible to the body, without excess, so as to leave the operator freedom of movement.

Observe the following steps:



Before use for the first time the user should carry out a comfort and adjustability test, in a safe place, to ensure that the harness is the correct size and has been adjusted correctly. On a harness the attachment points marked **A** can accept a fall arrest system, anchorage points marked **A/2** can be connected together to be connected to a fall arrest system.

In general, it is recommended to use the back anchorage point whenever possible because this is the best configuration for the human body to absorb forces.

Attachment points that are not marked with either **A** or **A/2** must not be used for connecting a fall prevention device. On a belt the lateral D-rings are normally used for holding or anchoring while working whereas the ventral point of the belt (when there is one) is used for suspension at the workstation.

## MAIN USE FOR A SAFETY BELT

**For work restraint (or extension):** combined with a suitable EN358 restraint system (lanyard) to prevent the user from falling.

**For work positioning:** combined with an EN358, EN354, etc. protection system to prevent the user from entering a zone where there is a risk of falling.

In suspension: coupled with a suitable system for the work to be done, pruning, access by rope, EN341, EN567, etc, to spread the load between the belt and the thighs.

When engaged in overhanging work, the following should be checked:

- that the lanyard is fixed correctly to the lateral D-rings on the belt via connectors (EN362) and/or the lanyard tensioner (EN358).
- that the length of the lanyard once adjusted does not allow a drop of more than 0.5 m.
- that the lanyard is working in conditions with no sharp edges and with small-diameter structures; consider providing for protective sheathing.

During use make sure to check all fastenings and adjustment elements regularly. A harness should be connected to a fall arrest system by EN362 connectors.

**SPECIAL CASE:** harnesses with special marking.

**E.g. II2GcT6:** Harness complying with Directive 94/9/CE according to standards NF EN 13463- :2009 and NF EN 13463-5:2003 for use in zone 1, in potentially explosive atmospheres for gas, working temperature T6. Category II group 2 appliance. The use of a harness in a zone for which it has not been certified is entirely at the user's risk. EN1149-5: 2008: Harness serving to release the electrostatic charges that may accumulate on an item of clothing, thus preventing spark discharges (fire and / or explosion risks) provided that the wearer is connected to the ground (for instance by antistatic clothes and footwear).

**ISO15025:2002 and ISO9150:1988:** Harness complying with following standards ISO15025, protection against heat and flame; ISO9150 protection against splashes of molten metal. The webbing of these harnesses can withstand flame up to 371°C without any damage.

### Markings

Product markings should be checked periodically for legibility.

The harness anchorage point should be situated above the user and must comply with EN 795 (minimum strength: R>12kN - EN795:2012 or R>10kN - EN795:1996). Make sure that the work is done in such a way as to limit the pendulum effect, as well as the risk and the height of a fall. For safety reasons and before each use, make sure that in the event of a fall there is no obstacle obstructing the normal deployment of the fall arrest system (free space under the user's feet). The clearance under the user's feet should be a minimum of: refer to the fall arrest system manual.

Before and during use we advise you to make the necessary arrangements for a safe rescue if the need should arise. Suspension trauma can affect people in different ways so it is essential that any rescue should be carried out safely as a quickly as possible.

## Health

A harness is for the sole use of people trained, skilled and in good health, or under the supervision of a trained and skilled person. Warning! Certain medical conditions may affect user safety, if in doubt, consult your doctor.

Be aware of the hazards that could reduce the performance of your equipment, and therefore the user's safety, if exposed to extreme temperatures (< -30°C or > 50°C), prolonged exposure to the elements (UV rays, humidity), chemical agents, electrical constraints, twisting of the fall arrest system during use, sharp edges, friction or cutting, etc.

**Check the condition of the harness before every use:** visual inspection to check the condition of the straps (no signs of cuts, burns or abnormal shrinkage), the seams (no visible damage), the metal parts (no deformation or rust) and that the connectors work properly. In the event of deformation or doubt the harness should be withdrawn from service. After a fall the product must not be reused and withdrawn from use (see section VERIFICATION PROCEDURE). **Do not remove, add or replace any component of the harness.**

## TECHNICAL CHARACTERISTICS

Strap material: polyester and/or polyamide.

Buckle material: heat treated steel, stainless steel and/or aluminium.

Maximum rated load of the harness 140 kg.

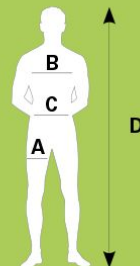
## SIZING



Safety harnesses tested to 140kg, only when used in conjunction with a fall arrest device with equal capacity.

**Size:** The chart hereunder indicates the body's measures. For the wearing of a harness over clothing, the harness' adjustments allow to obtain the right size.

Measure (cm)	S - L	UNIVERSAL	L - XXL
<b>A</b> - Thigh Size	48 - 70	55 - 90	65 - 95
<b>B</b> - Chest Size	94 - 114	98 - 128	114 - 134
<b>C</b> - Waist Size	60 - 105	70 - 115	75 - 125
<b>D</b> - Stature	160 - 185	160 - 200	170 - 200



- For selecting a harness or a harness with integrated vest, the essential measurements are the thigh size and the chest size, the other measurements are given as an indication.
- Standard harness size is universal unless otherwise stated.

- For selecting a belt, the essential measurement is the waist size.

## SUITABILITY FOR USE

The harness must be used as part of a fall arrest system as defined in the product data sheet (EN363) to guarantee that the dynamic force exerted on the user during the arrest of a fall is maxi 6 kN. A fall arrest harness (including EN361/EN358/EN813) is the only body-gripping device that may be used. It may be dangerous to create one's own fall arrest system where each safety function can interfere with another safety function. Read the recommendations on using each component in the system before use.

## VERIFICATION PROCEDURE

The equipment has a service life of 10 years (in accordance with the annual examination by a competent person authorized by KRATOS SAFETY), but this duration may increase or decrease depending on how it is used and/or the results of annual checks.

The product must be checked systematically in case of doubt or after a fall and at least every year by the manufacturer or his authorised representative, in order to guarantee its resistance and thus the safety of the end-user.

The product data sheet should be completed (by writing) after each verification; date of inspection and date of next inspection must be indicated on the data sheet, it is also recommended to put date of next inspection on the product.

## SERVICING AND STORAGE

### (Comply strictly with these instructions)

- During transport, keep the harness in its packaging, well away from any cutting surface.
- Clean it with water and soap, wipe it with a dry rag and hang it up in a well-ventilated location, to let it dry naturally and away from a naked flame or heat source; follow the same procedure for components that have become damp during use.
- The metal parts should be wiped with a cloth impregnated with paraffin oil.
- Never use bleach or detergents.
- The harness should be stored in its packaging in a warm, dry, ventilated place, protected from sunlight, heat and chemicals.