

8 - SPECIFIC INFORMATION

Master text

The Personal Protective Equipment category III 8W9.500 "TARGET CAVE SIT" is:

- a sit harness suitable for creating fall prevention systems where a low attachment point is required (restrain, work positioning, and rope access systems, etc.), for a user up to 150kg (equipment included);
- a sit harness suitable for creating fall protection systems in mountaineering, including rock climbing, while supporting a conscious person in a seated position;
- part of a system protecting against impact caused by fall from a height;
- certified according to standards EN 813:2008, EN 12277:2015+A1:2018 type C, and UIAA105:2018.

Fig. 1 – Evolved buckles – (A and B) buckles are specially designed to be reliable in the most intricate operation. To correctly fasten the buckle:

- relieve the tape in the opening near the string;
- pull the tape until reached the desired tension;
- shove the tape in the other opening;
- turn the tape and shove it again in the first opening.

Fig. 2 – Donning – First of all check the size, choosing the correct one for you (see SIZE table). To fit the harness correctly:

- loosen the tapes in the buckles (A) and (B);
- slip the legs in the belt (C) and the thigh loops (D);
- adjust the position of the harness;
- tighten the tapes (E) and the thigh loops (E);
- fasten the buckles (A) and (B).

Fig. 3 – Size recommendation – The buckles (A) and the belt (C) should be always above the ileum crest. The user should be able to shove 2 fingers between the belt (C), the thigh loops (D), and the body.

Fig. 4 – Device features – The ventral attachment points of this device have been specially designed:

- (F) is compatible with the device 8W9.510 SMART;
- attaching the ventral rope clamp to (G) can ease the rescue operation of the user, rescuers can cut this attachment point to unload the fall arrest system.

The adjustable gear-loops are made by putting the tape (M) in the buckles (H) or (K).

Full freedom – As in fig. 2, this device can be disassembled for cleaning, maintenance, etc.. For assembling follow these steps:

- shove the tapes (E) in the proper buckles (A);
- assemble the thigh loops (D) by shoving the tapes in the proper buckles (B);
- connect the elastic tape (N) to the plastic buckles (D).

Bottomless possibilities – Correctly combining this device with 8W9.510 "SMART" create 8W9.5X0 "TARGET CAVE", category III Personal Protective Equipment that is:

- a full body harness for connection to fall arrest systems, fitted with a sternal attachment point;
- a full body harness suitable for creating fall protection systems in mountaineering, including rock climbing, while supporting a conscious person in a seated position and an unconscious person in a head up position;
- part of a system protecting against impact caused by fall from a height.

Fig. 5 – Full body harness features – While the sit harness maintain the certification of the attachment point (F), the sternal attachment point of the assembly meets the requirements of:

- EN361:2002 for fall arrest systems;
- EN 12277:2015+A1:2018 type A for mountaineering including rock climbing.

Read and follow the instruction and information supplied with 8W9.510 "SMART" before using the combination as 8W9.5X0 "TARGET CAVE".

Compatibility – This device has been designed to be used with:

- connectors according to EN362 and/or EN12275;
- lanyards according to EN354, EN358, and/or EN566;
- energy absorbers according to EN958;
- rope adjustment devices according to EN12841 type B and C;
- chest harness 8W9.510 "SMART".

The system 8W9.5X0 "TARGET CAVE" has been designed also for:

- energy absorbers according to EN355;
- fall arrest devices according to EN353-1 or EN353-2;
- rope adjustment devices according to EN12841 type A.

Check before and after use – Before and after use, make sure that the device is in an efficient condition and that it is working properly, in particular, check that:

- it is suitable for the intended use;
- has not been mechanically deformed;
- does not show cracks, wear, corrosion and oxidation;
- stitching are intact, and there are no cut or loose threads;
- buckles (A and B) function correctly (locking, adjusting and locking);
- textile parts do not have cuts, burns, chemical residues, excessive hair, wear, in particular check the areas in contact with metal components (buckles, attachment point, etc.);
- markings are legible.

Before use and in a position that is completely safe, on each occasion check that the device holds correctly by putting your weight on it. The device must feel comfortable and the adjustment elements shall always be in the correct range.

Important:

- elastic tapes (O) can be replaced when damaged;
- when using the attachment point (G) always employ a second fall protection system;
- the PPEs composing the fall prevention/protection system must properly be selected according to the weight of the user and the condition of application, paying specially attention to energy absorbing elements;
- when used in mountaineering, tying on with one connector is forbidden, and even if strongly inadvisable, it is possible to tie on with two carabiners counter positioned. Rope courses may require different connections.
- this device is only a part of a system preventing/protecting against impact caused by fall from a height and therefore it shall be connected to other devices (i.e. shock absorber, ropes, etc.) in order to obtain a fall arrest system suitable to the situation and conform to current regulations;
- during use regularly check:
 - the fastening of the buckles (A and B);
 - if the device is undamaged.

Warning:

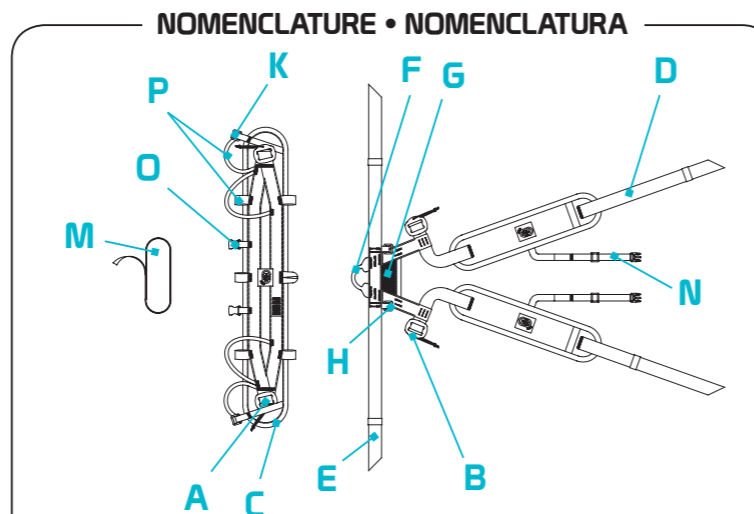
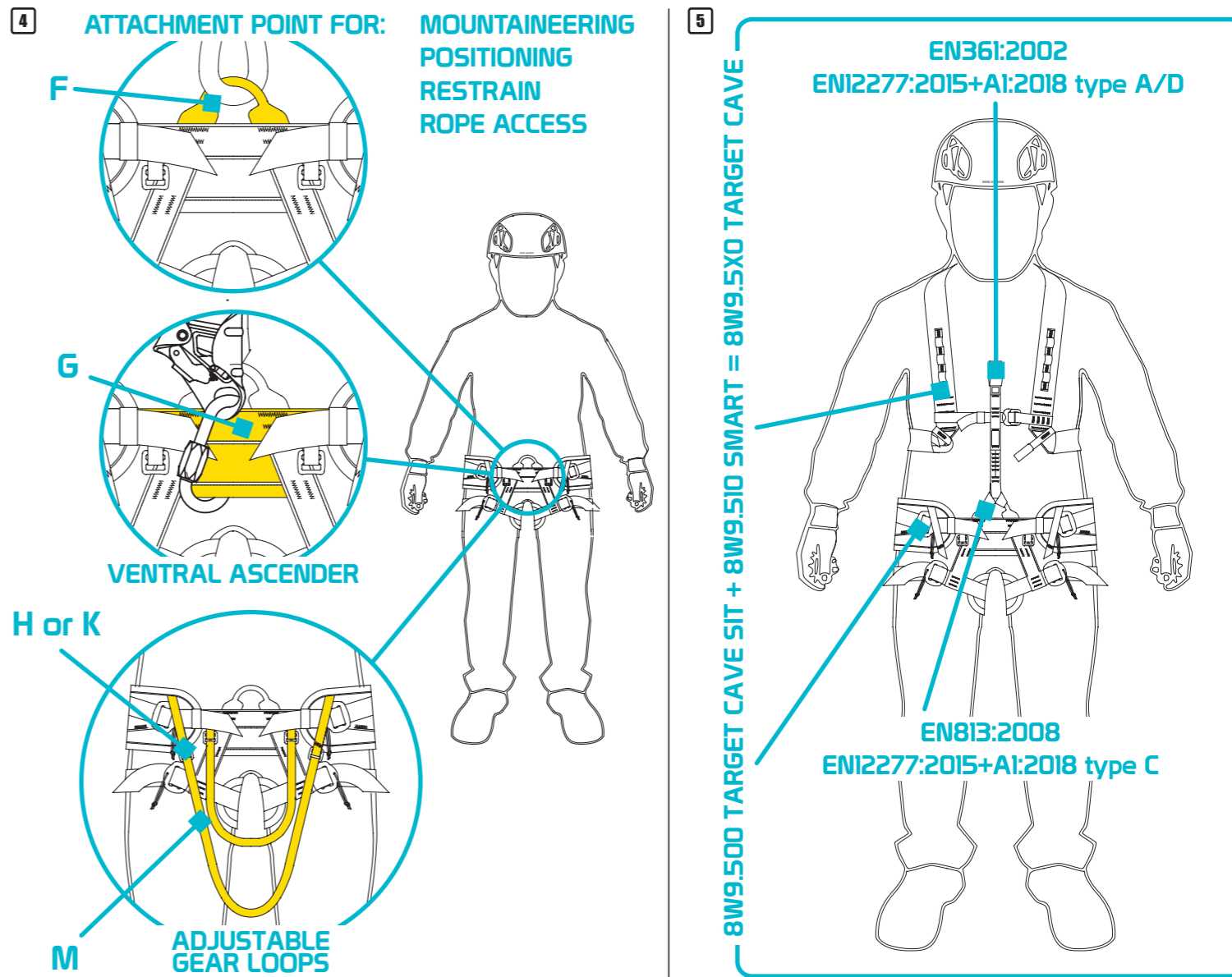
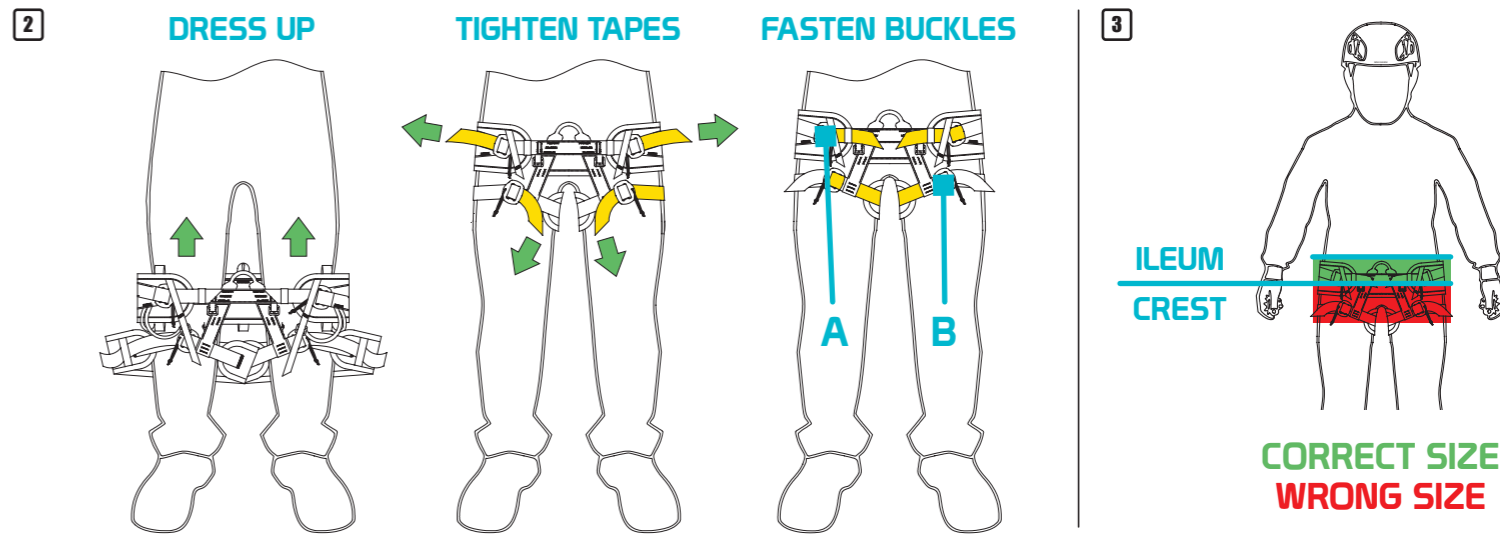
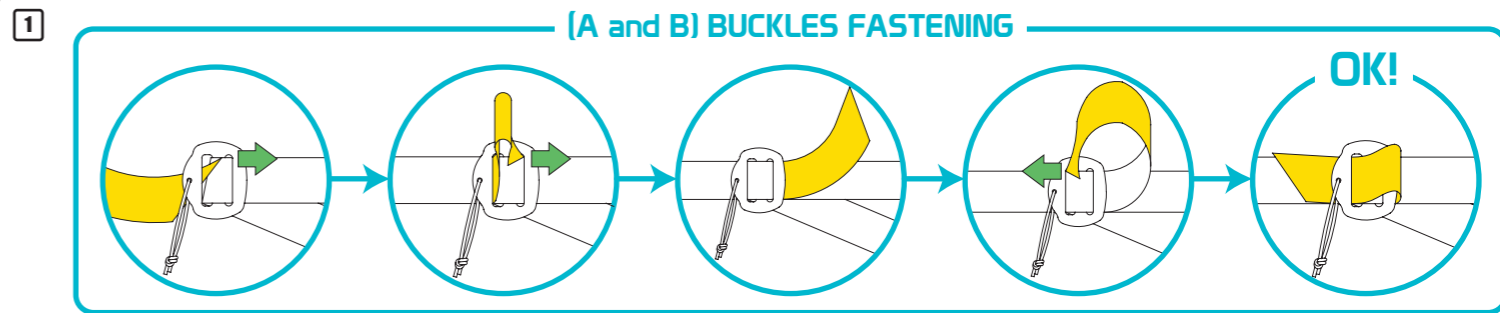
- ventral attachment point (F) is not suitable to create EN363 fall arrest systems;
- improper fastening of the buckles (A and B) can lead to irreversible damage and fatal consequences;
- the system tied to the ventral attachment points (F) must always be taught or with a maximum slack of 0.6 meters;
- improper connection or size choice of 8W9.510 "SMART" greatly reduce (up to nullify) the performances of the devices;
- prolonged suspension on the harness, especially in motionless conditions, may cause harness hang syndrome (or suspension trauma) that can lead to loss of consciousness and even death.

SIZE • TAGLIA

	S	M/L	XL
	8W9502****	8W9503****	8W9505****
B (cm)	60-95	75-110	85-130
C (cm)	40-60	50-70	65-78
(g)	650	750	800

**** = colours indices

TAILLE • GRÖßE • TALLAS



EN: (A) Belt buckles in steel, (B) Thigh buckles in aluminium alloy, (C) Belt, (D) Thigh loop, (E) Belt tape, (F) Upper ventral attachment point, (G) Lower ventral attachment point, (H/K) Buckles for the adjustable gear-loops, (M) Tape for the adjustable gear-loops, (N) Elastic tapes, (O) Plastic buckles.

Webbing material: polyester and polyamide.

IT: (A) Fibbie per cintura in acciaio, (B) Fibbie per cosce in lega di alluminio, (C) Cintura, (D) Cosciale, (E) Nastro per cintura, (F) Punto di attacco ventrale superiore, (G) Punto di attacco ventrale inferiore, (H/K) Fibbie per gli anelli del cambio regolabili, (M) Nastro per gli anelli del cambio regolabili, (N) Nastri elastici, (O) Fibbie in plastica.

Materiale delle cinghie: poliester e poliammide.

FR: (A) Boucles de ceinture en acier, (B) Boucles de cuisse en alliage d'aluminium, (C) Ceinture, (D) Boucle de cuisse, (E) Corde de ceinture, (F) Point d'attache ventral supérieur, (G) Point d'attache ventral inférieur, (H/K) Boucles pour les porte-matériels réglables, (M) Corde pour les porte-matériels réglables, (N) Cordes élastiques, (O) Boucles en plastique.

Matériau des sangles: polyester et polyamide.

DE: (A) Gürtelschnallen aus Stahl, (B) Oberschenkelschnallen aus Aluminiumlegierung, (C) Gürtel, (D) Oberschenkelschlaufe, (E) Gürtelband, (F) oberer Befestigungspunkt im Bauchbereich, (G) unterer Befestigungspunkt im Bauchbereich, (H/K) Schnallen für die verstellbaren Materialschlaufen, (M) Band für die verstellbaren Materialschlaufen, (N) elastische Bänder, (O) Kunststoffschnallen.

Gürtelbandmaterial: Polyester und Polyamid.

ES: (A) Hebillas de cinturón en acero, (B) Hebillas para perneras en aleación de aluminio, (C) Cinturón, (D) Anillo de pernera, (E) Cinta de cinturón, (F) Punto de enganche ventral superior, (G) Punto de enganche ventral inferior, (H/K) Hebillas para portamateriales ajustables, (M) Cinta para portamateriales ajustables, (N) Cintas elásticas, (O) Hebillas de plástico. Material de las correas: poliéster y poliamida.

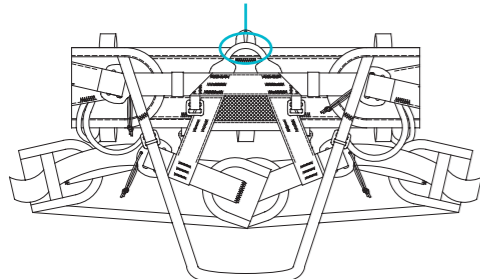
NOMENCLATURE • TERMINOLOGIE • NOMBRES



TARGET CAVE SIT

www.kong.it

EN813:2008
EN12277:2015+A1:2018 type C
UIAA105:2018



8W9.500 TARGET CAVE SIT

ZZV05593 rev.1

8 - SPECIFIC INFORMATION

Master text

The Personal Protective Equipment category III 8W9.510 "SMART" is:

- a chest harness to help the user maintaining an upright position, suitable in mountaineering included climbing;
- part of a system protecting against impact caused by fall from a height;
- certified according to standard EN 12277:2015+A1:2018 type D, and UIAA105:2018.

Fig. 1 – Evolved buckles – (A) buckles are specially designed to be reliable in the most intricate operation. To correctly fasten the buckle:

- shove the tape in the opening near the string;
- pull the tape until reached the desired tension;
- shove the tape in the other opening;
- turn the tape and shove it again in the first opening.

Fig. 2 – Lanyard (B) attachment – After dressing the sit harness attach the lanyard (B) to the attachment point of the sit harness via a lark's foot.

Fig. 3 – Size recommendation – Before dressing the device check the suitability of the size. The attachment point (C) should be always located at the height of the armpits. The user should be able to shove 2 fingers between the tape and the body.

Fig. 4 – Donning – After the attachment of the lanyard (B):

- slip the arms in the pectoral harness, paying attention to the gear-loops (D) that must be upside;
- shove the tape (E) in the pectoral loop (F) of the lanyard (B) and then in the armpit loop (G);
- shove again the tape (E) in the loop (F);
- fasten the tape (E) in the buckle (H).

Fig. 5 – Device features – This device help the user to stay upright by connecting the rope to the lifted up attachment point (C), and can be used for keeping in position ventral rope clamps:

- pass through the tape (K) the rope clamp proper attachment point;
- shove the tape (K) in the pliers (M) and tighten.

Compatibility – This device has been designed to be used with:

- ropes according to EN892 or EN1891;
- connectors according to EN362 and/or EN12275;
- sit harness 8W9.500 "TARGET CAVE SIT".

Check before and after use – Before and after use, make sure that the device is in an efficient condition and that it is working properly, in particular, check that:

- it is suitable for the intended use;
- has not been mechanically deformed;
- does not show cracks, wear, corrosion and oxidation;
- stitching are intact, and there are no cut or loose threads;
- buckles (A and H) function correctly (locking, adjusting and locking);
- textile parts do not have cuts, burns, chemical residues, excessive hair, wear, in particular check the areas in contact with metal components (buckles, attachment point, etc.);
- markings are legible.

Before use and in a position that is completely safe, on each occasion check that the device holds correctly by putting your weight on it. The device must feel comfortable and

the adjustment elements shall always be in the correct range.

Important:

- knots greatly reduce webbing and tape strength;
- read and follow the instruction and information supplied with 8W9.500 "TARGET CAVE SIT" before using the combination as 8W9.5X0 "TARGET CAVE".
- the PPEs composing the fall prevention/protection system must properly be selected according to the weight of the user and the condition of application, paying specially attention to energy absorbing elements;
- when used in mountaineering, tie on to the attachment points (C) with a figure-of-eight knot, tying on with one connector is forbidden, and even if strongly inadvisable, it is possible to tie on with two screw locking connectors counter positioned;
- this device is only a part of a system preventing/protecting against impact caused by fall from a height and therefore it shall be connected to other devices (a sit harness and i.e. shock absorber, ropes, etc.) in order to obtain a fall arrest system suitable to the situation and conform to current regulations;
- during use regularly check:
 - if the device is undamaged;
 - the fastening of the buckles (A and H);
 - the connection with the sit harness.

Warning:

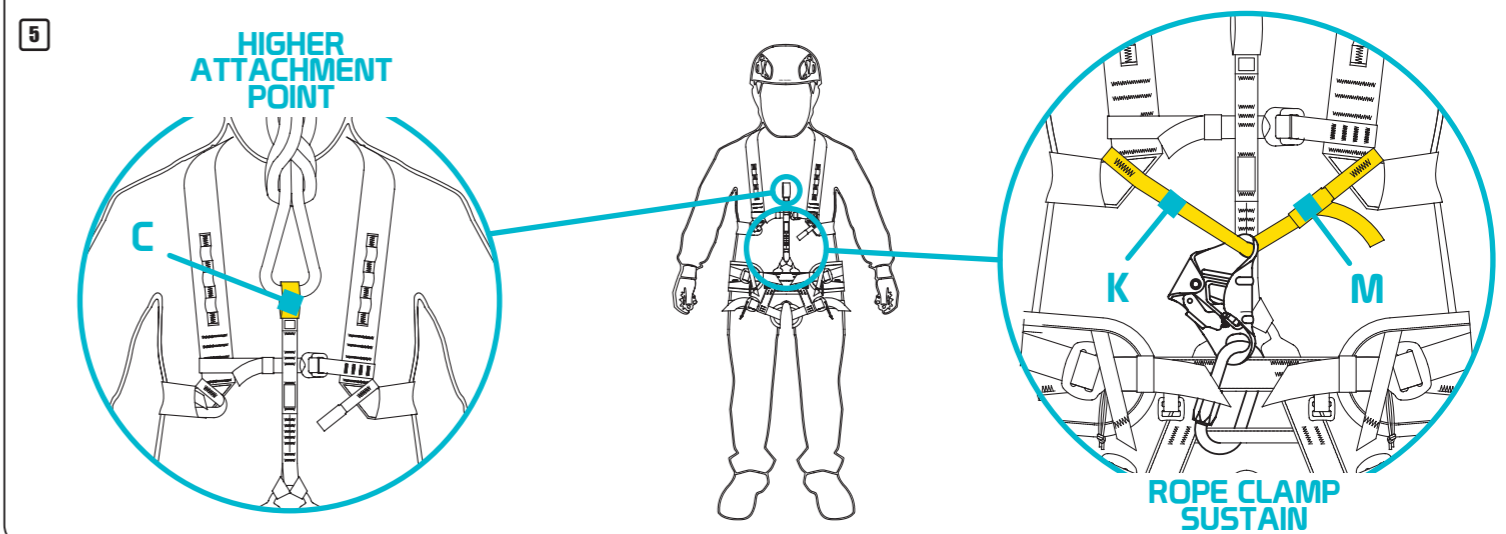
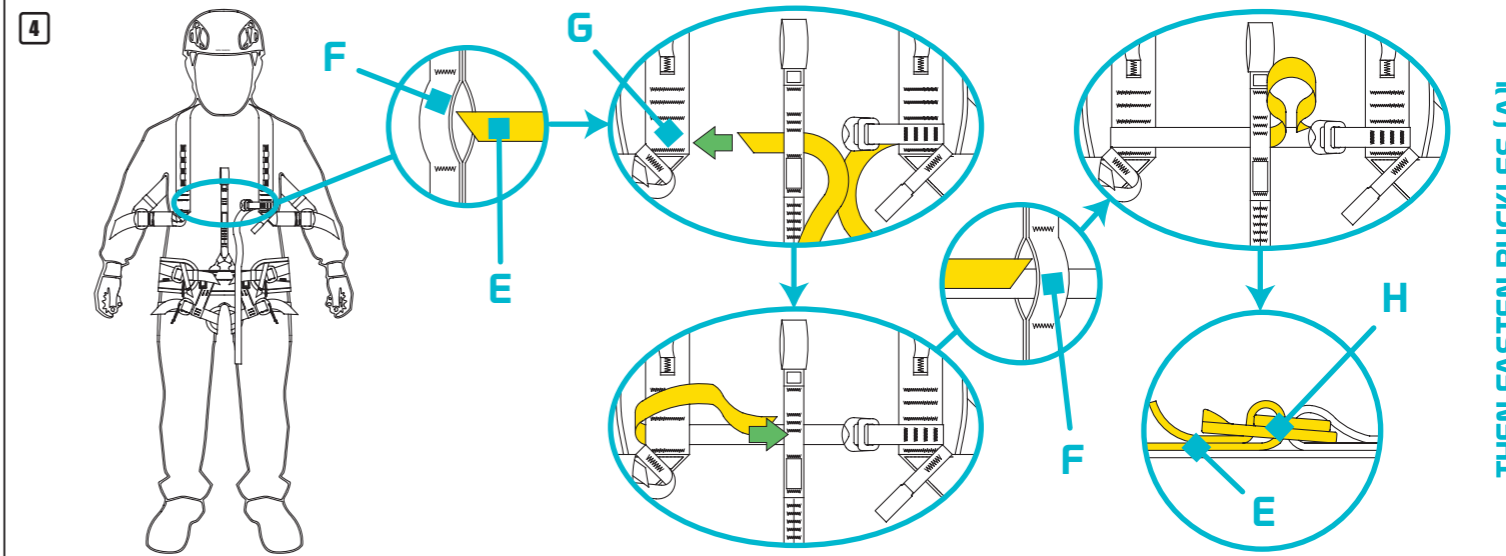
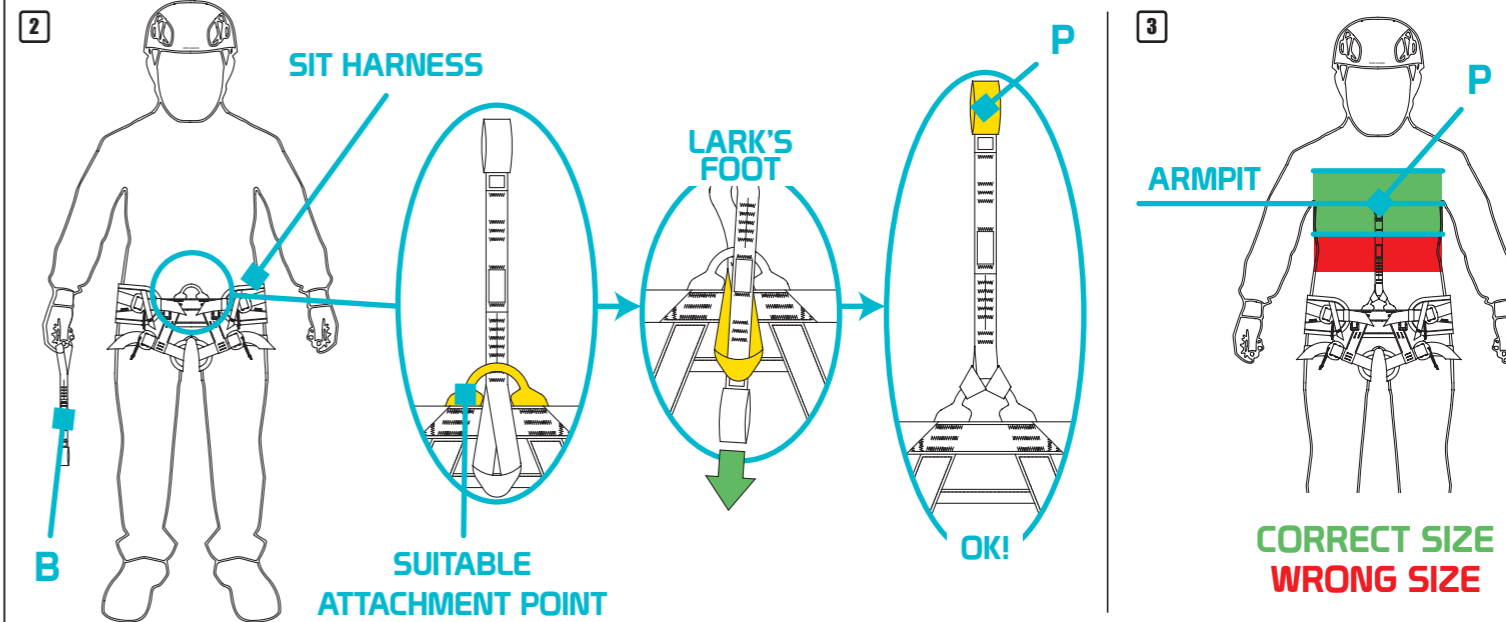
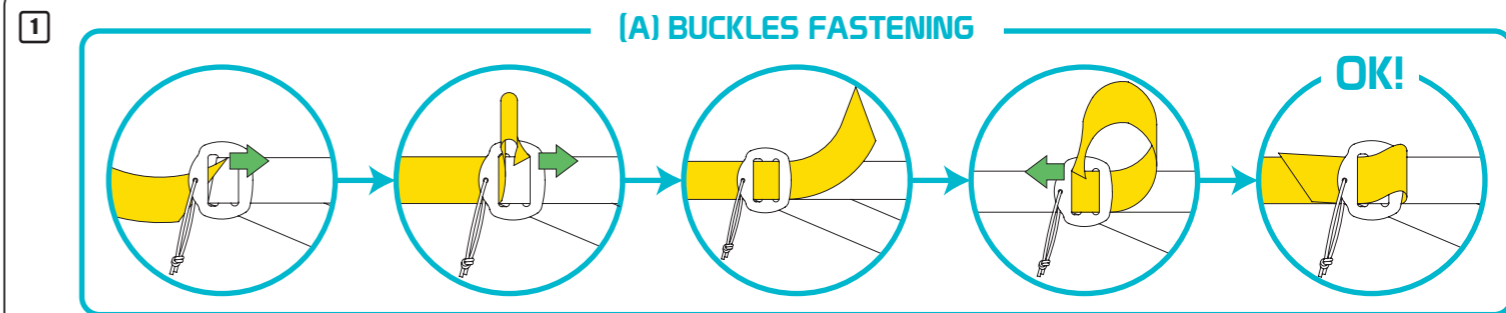
- this device alone is not suitable for fall protection and fall arrest;
- this device shall always be attached with a sit harness and by the lanyard (B) only, otherwise protection is nullified;
- improper looping of tape (E) and/or fastening of the buckles (A and H) can lead to irreversible damage and fatal consequences;
- the main connection is the lanyard (B) and shall be attached according to this instruction and shall always be in efficient condition;
- prolonged suspension on the harness, especially in motionless conditions, may cause harness hang syndrome (or suspension trauma) that can lead to loss of consciousness and even death.

SIZE • TAGLIA

	S 8W9512****	M/L/XL 8W9513****
A (cm)	75/100	86/118
(g)	350	400

**** = colours indices

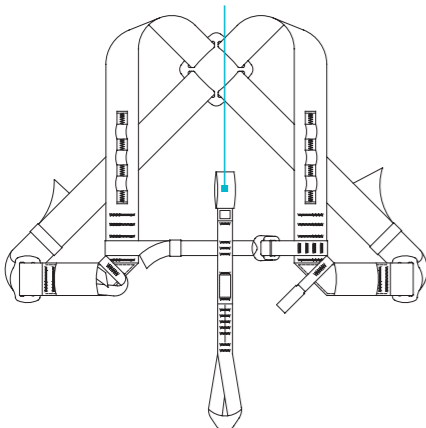
TAILLE • GRÖÖBE • TALLAS



SMART

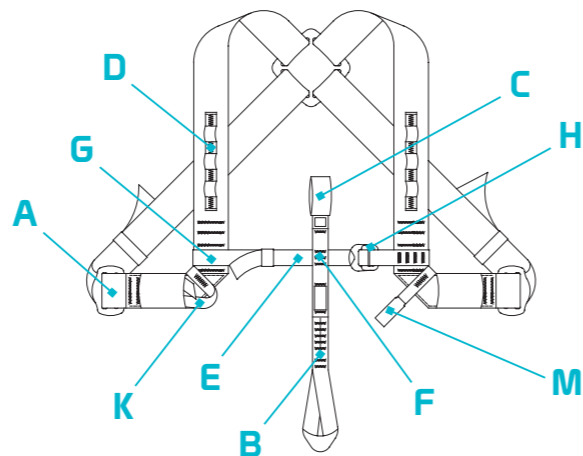
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EN12277:2015+A1:2018 type D
UIAA105:2018



8W9.510 SMART

NOMENCLATURE • NOMENCLATURA



EN: (A) Buckles in aluminium alloy, (B) Connecting lanyard, (C) Attachment point, (D) Gear loops, (E) Pectoral tape, (F) Sternal loop, (G) Armpit loop, (H) Buckles in carbon steel, (K) Accessory tape, (M) Pliers.
Material of the main tapes: Polyester.

IT: (A) Fibbie in lega di alluminio, (B) Cordino di collegamento, (C) Punto di attacco, (D) Anelli per il cambio, (E) Nastro pettorale, (F) Anello sternale, (G) Anello ascellare, (H) Fibbie in acciaio al carbonio, (K) Nastro accessorio, (M) Pinze.
Materiale dei nastri principali: Poliestere.

FR: (A) Boucles en alliage d'aluminium, (B) Longe de connexion, (C) Point d'attache, (D) Porte-matériels, (E) Corde pectorale, (F) Boucle sternale, (G) Boucle d'aisselle, (H) Boucles en acier au carbone, (K) Corde auxiliaire, (M) Pince.
Matériau des cordes principales: Polyester.

DE: (A) Schnallen aus Aluminiumlegierung, (B) Verbindungsschleufe, (C) Befestigungspunkt, (D) Materialschlaufen, (E) Brustband, (F) Brustbeinschleufe, (G) Achselschleufe, (H) Schnallen aus Kohlenstoffstahl, (K) Zubehörband, (M) Zange.
Material der wichtigsten Bänder: Polyester.

ES: (A) Hebillas en aleación de aluminio, (B) Cabo de conexión, (C) Punto de enganche, (D) Portamateriales, (E) Anilla pectoral, (F) Anilla esternal, (G) Anilla de la axilla, (H) Hebillas en acero al carbono, (K) Cinta de accesorios, (M) Alicates.
Material de las cintas principales: Poliéster.

NOMENCLATURE • TERMINOLOGIE • NOMBRES

