

1. Description du produit / Description of the product

Identification de l'équipement :
Equipment identification sheet

Exemple de référence
Example of reference

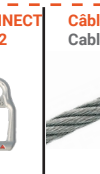
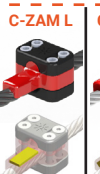
1.1 Type de longe
Type of lanyards

Code fournisseur
Supplier code

Modèle Model : CLiC-IT ADVENTURE

A 6 2 - 25 - Z

1.2 Détection d'ancrage Anchor detection

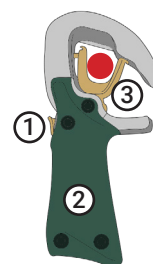


Catégorie de sécurité
Safety system category
selon la norme /
according to EN17109

Connecteur Connector 21	0	OK	OK	NO	OK	OK	OK	C
	1	OK	OK	NO	OK	OK	OK	D
	2	OK	OK	NO	OK	OK	NO	D
Connecteur Connector 25	0	OK	OK	OK	OK	OK	OK	C
	1	OK	OK	OK	NO	OK	OK	D
	2	NO	NO	OK	NO	OK	NO	D

1.3 Connecteurs / Connectors

Connecteur 21
Connector 21



Connecteur 25
Connector 25

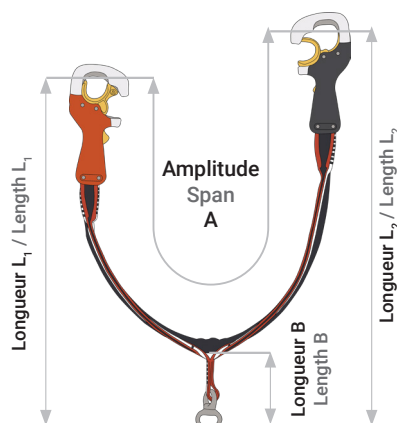


● = 8mm min (0,31") < 20mm max (0,78")

Modèle de longe Lanyard model

Lanyard model

Ref	L ₁ cm	L ₂ cm	A cm	B cm	Émerillon Swivel
A4/A4+	63 (24")	73 (28")	110 (43")	14 (5,5")	C8/C8+
A6/A6+	76 (30")	99 (38")	150 (59")	14 (5,5")	C8/C8+
A8	74 (29")	84 (33")	130 (51")	14 (5,5")	C8



Émerillon C8 / ouvrable C8+ Swivel C8 / openable swivel C8+

Swivel C8 / openable swivel C8+

C8

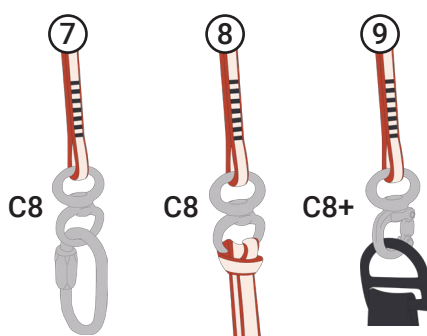


C8+



Connexion sur harnais Connection on harness

Connection on harness



2. Traçabilité et marquage / Traceability and marking

2.1 Etiquette de marquage

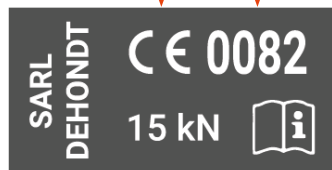
Marking label

(1) RECTO :



①

(2) VERSO :



②

③

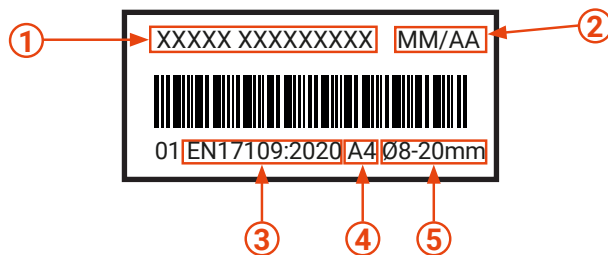
④

⑤

⑥

2.2 Etiquette individuelle d'identification

Individual identification label



①

②

③

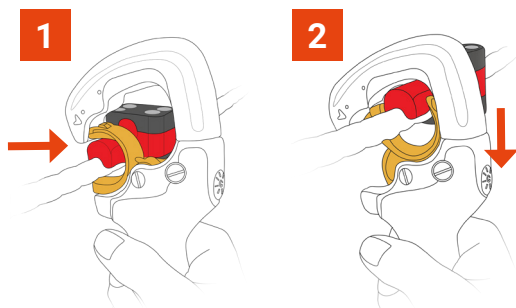
④

⑤

3. Utilisation / Use

3.1 Fixer un connecteur

Attach a connector

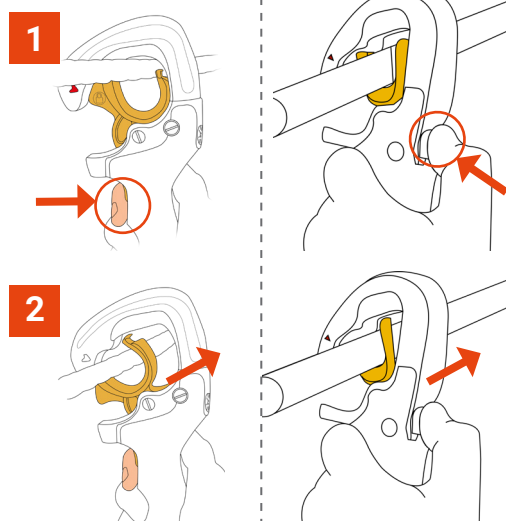


3.2 Ouvrir un connecteur

Open a connector

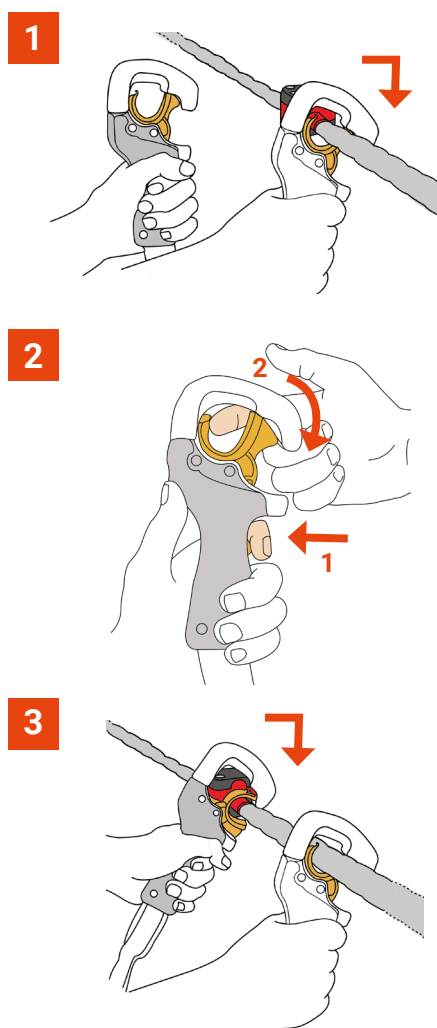
Connecteur 25
Connector 25

Connecteur 21
Connector 21



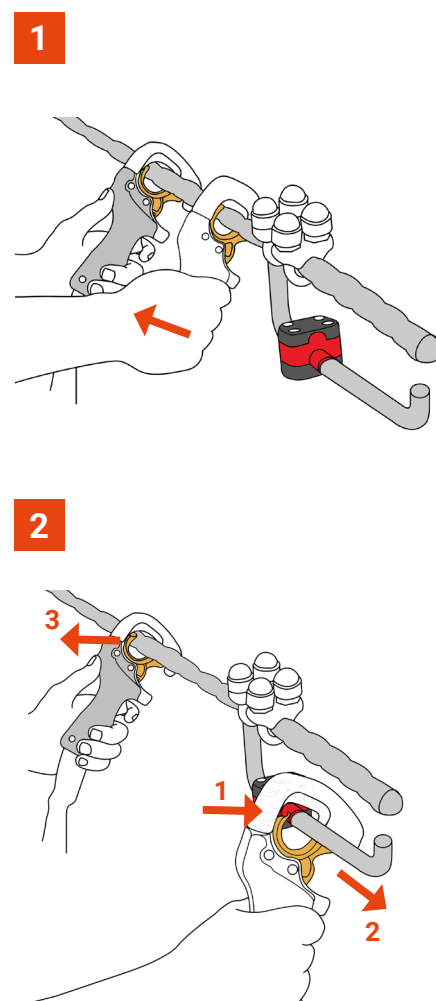
3.3 S'engager sur une ligne de vie

Starting on a route

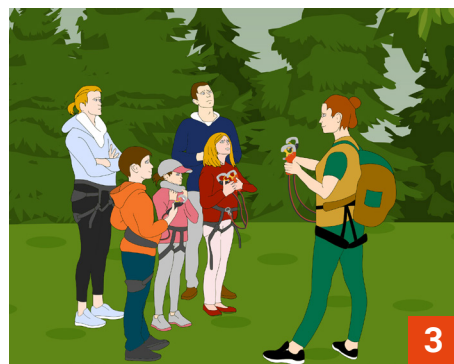
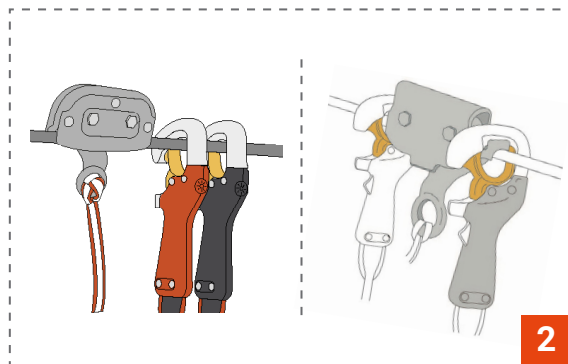
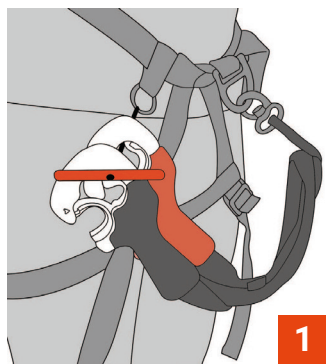


3.4 Sortir de la ligne de vie

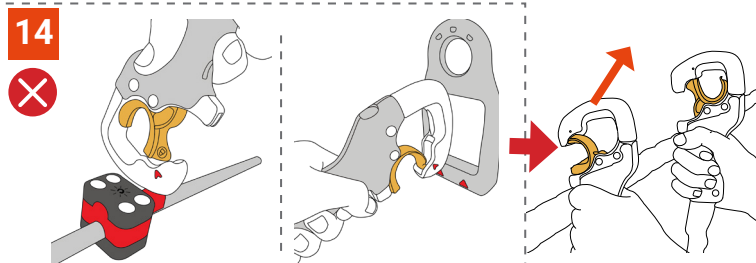
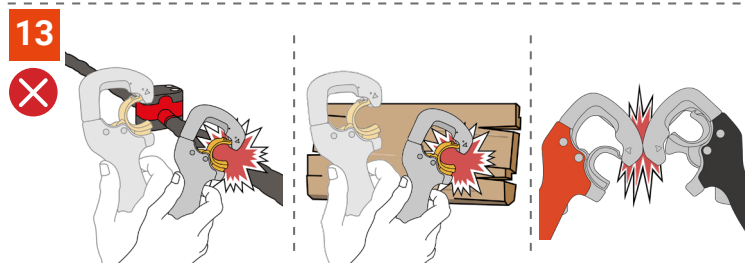
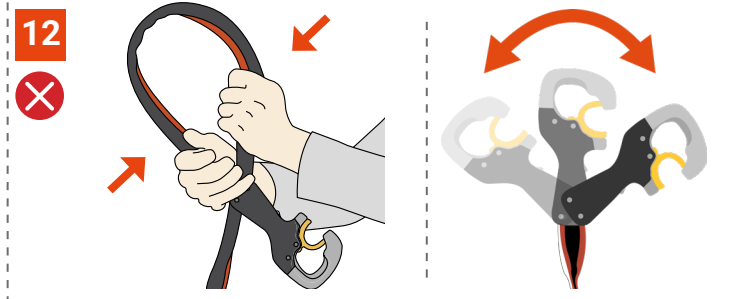
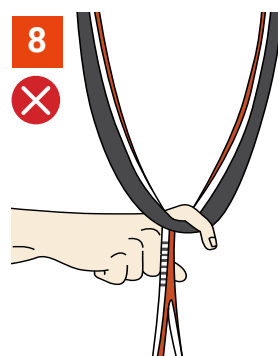
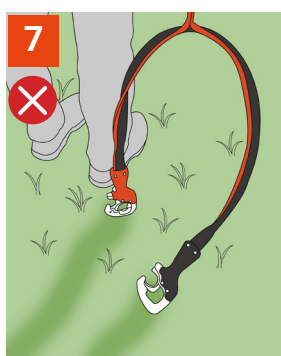
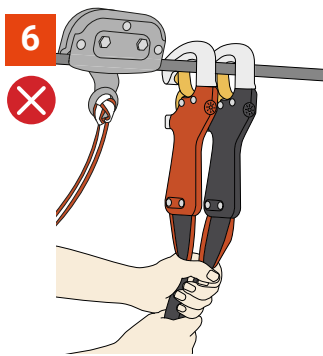
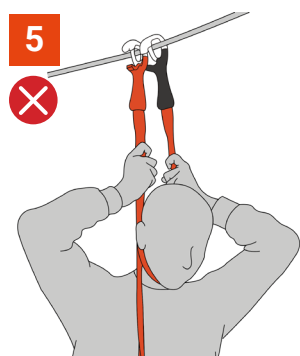
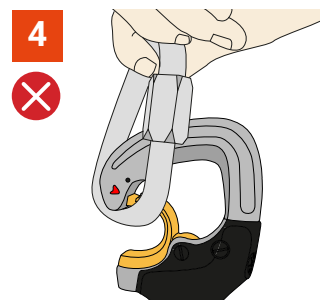
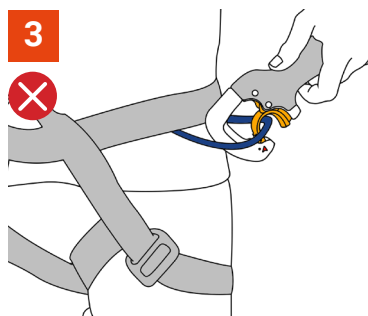
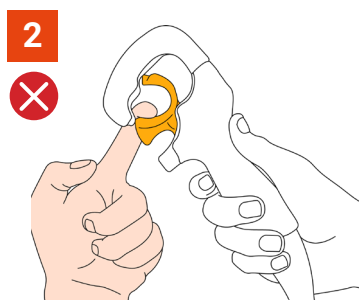
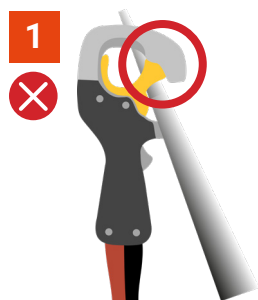
Leaving a route



3.5 Briefing / Briefing

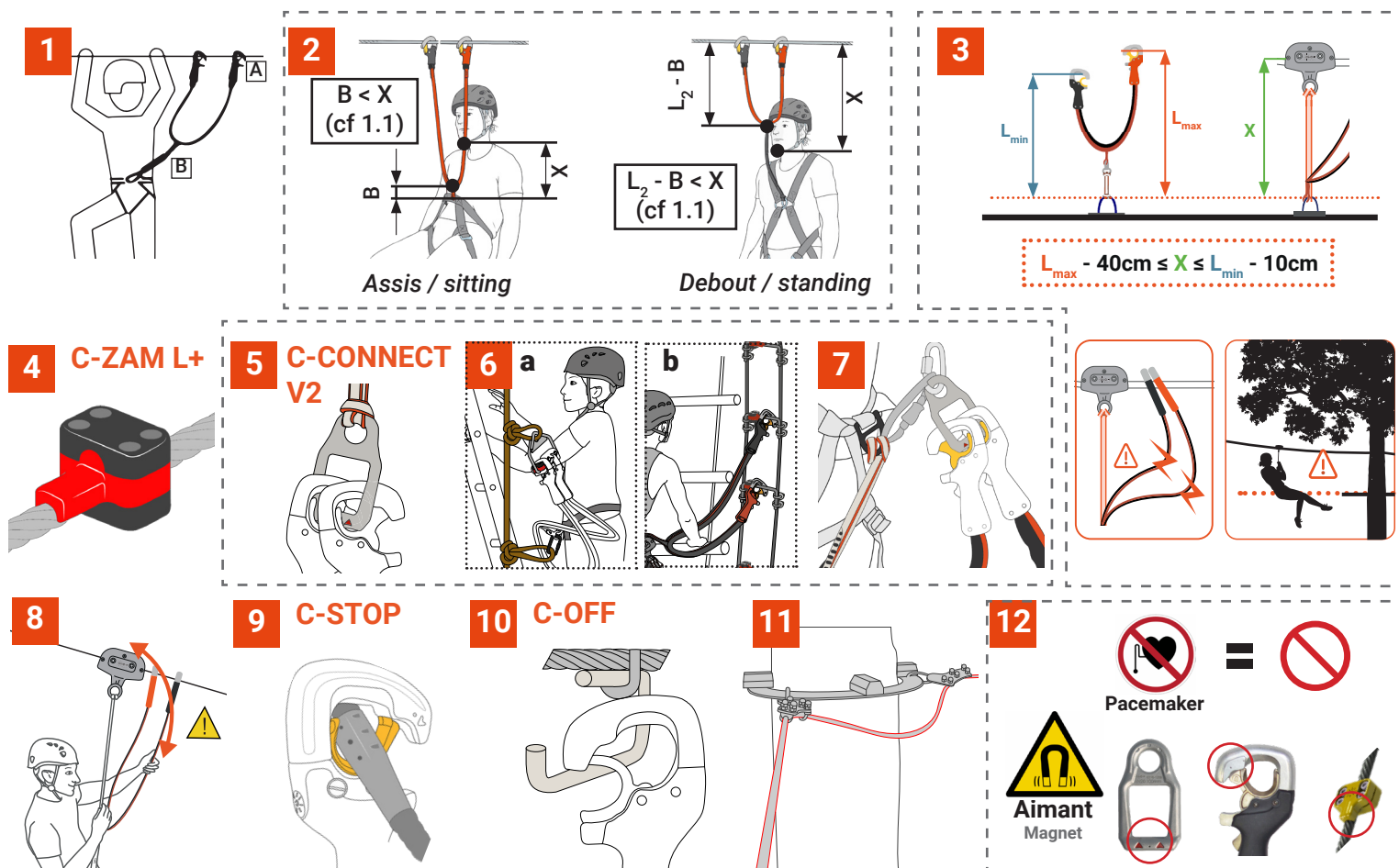


3.6 Manoeuvres interdites / Forbidden maneuvers



4. Informations exploitant / Operator information

4.1 Aménagements et recommandations / Arrangements and recommendations



4.2 Stockage / Storage

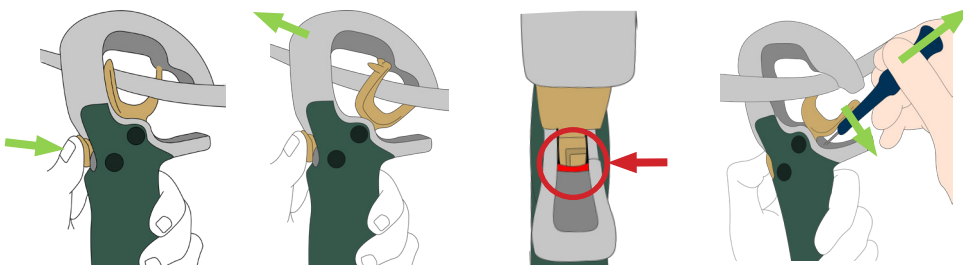


4.3 Evacuation en cas d'urgence / Evacuation

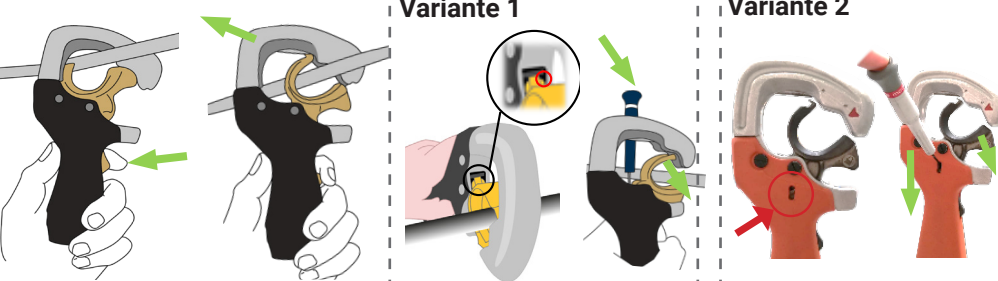


4.4 Déverrouillage du système CLiC-iT / Unlocking the CLiC-iT system

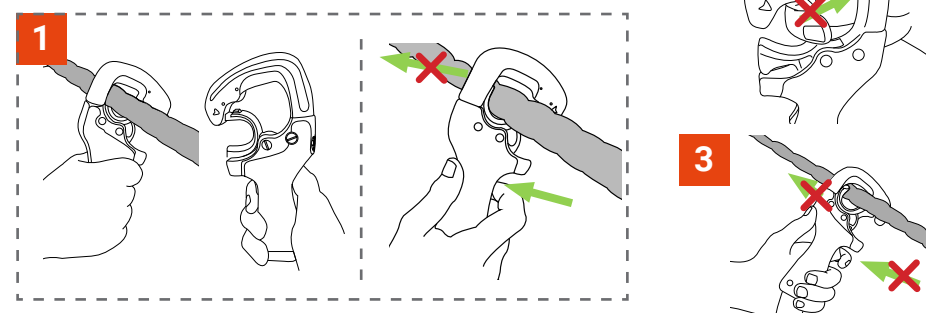
Connecteur 21 Connector 21



Connecteur 25 Connector 25



4.5 Contrôle du produit / Checking the product



4.6 Nettoyage et lubrification des connecteurs

Cleaning and lubrication of connectors

Nettoyage des connecteurs :
Cleaning of connector

Pression maximum : 6 bars
Maximum pressure : 6 bars



Lubrification des connecteurs :
Lubrication of connector

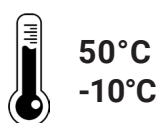


Lubrification des bascules :
Lubrication of toggle



5. Informations complémentaires / Complementary information

① **Température d'utilisation**
Operating temperature



② **Étiquette / Label**



③ **Précautions d'usage**
Precautions for use



④ **Nettoyage / Cleaning**



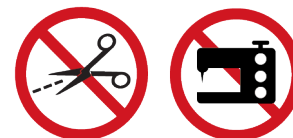
⑤ **Séchage / Drying**



⑥ **Stockage - Transport**
Storage - Transport



⑦ **Modification - Réparation**
Modification - Repair



Examen périodique et historique des réparations
Periodic review and repairs history

Date Date	Motif / Reason (examen périodique ou réparation) (periodic review or repair)	Défauts remarqués, réparations effectuées ainsi que tout autre information pertinente Observed defects, repairs carried out, and any other relevant information	Nom & signature de la personne compétente Name and signature of the competent person	Date du prochain examen périodique prévu Date of the next scheduled periodic review

Date de fabrication : Date of manufacture	
Date de péremption : Expiration date	
Date d'achat : Date of purchase	
Date de première utilisation : Date of first use	
Autre information pertinente : Other relevant information	

N° individuel d'identification :
Individual identification number

Fabricant / Manufacturer

DEHONDT SARL

Adresse : 5 rue des Terres - Cellule 7

51420 CERNAY-LES-REIMS

Téléphone : 03.26.47.11.34

E-mail : contact@cllic-it.eu

La déclaration UE de conformité est disponible sur : / EU
declaration conformity are available on : www.cllic-it.eu

CAUTION

The activities involving the use of this product are dangerous by nature.
 These user's instructions contain important information, an inspection card and a proof of inspection.
 Before using this product, these instructions should be read and clearly understood.
 The instructions should be kept with the product during its whole lifetime. Images are non contractual.
 Read carefully the accessories user's instructions.

1. Description of the product

This product is a Personal Protection Equipment designed for leisure activities at heights (High rope adventure parks) as per directive EPI 2016/425 in compliance with EN17109:2020. This product is in safety category C or D depending on the type of anchor detection. Detection 0= category C; Detection 1= category D (fastening on galvanized steel cable) or D (fastening on CLiC-iT magnetic rings); Detection 2= category D because fastening only on CLiC-iT magnetic ring, as per EN17109:2020. This product is an Individual Belay System (IBS) composed of 2 connectors and a lanyard integrating 3 levels of safety:

1. Safe unlocking trigger
2. Synchronized locking/unlocking system
3. Metallic hooking sensor

The lanyard is fitted with a loop designed to be linked to a harness, as per EN12277:A1. Max weight user weight: 120kg

Equipment identification sheet :

Our references are formed in the following format : **AXY - Ø**

1.1 Type of lanyard

This product is available with C8 swivel or C8+ openable swivel

Connection to the harness

The connection to the harness varies according to the type of lanyard :

For long loop : 1. Lark's head knot on a harness 2. On a swivel 3. Quicklink

For C8 swivel or C8+ openable swivel : 1. Quicklink 2. Climbing sling or sewn link 3.

Directly on the harness belay point. For option 6, we recommend using a harness with metal trigger guard in order to avoid premature wear of textile trigger guard.

For lark's head mountings : reduce the length by a few centimetres (5cm)

Caution : It is forbidden to tie extra knots on the lanyard (and on the sling), as this would reduce the resistance of the product. Imperatively respect the use pattern of the product. Each element of the safety chain must be CE certified. Only use reinforced sling supplied by SARL DEHONDT. Fastening with an EN566 standard sling is strictly forbidden. **For all other mountings, please ask SARL DEHONDT for prior approval.**

1.2 Anchor detection

This product is available with three types of anchor detection :

0: Without anchor detection (no connection restriction) (category C)

1: Magnet on connector (connection possible on galvanized steel cable (category D), on C-CONNECT and C-ZAM ring (category D) .DCM category D only if the lifeline is made of magnetizable steel.

2: Magnet on anchor and on connector (connection only possible on C-CONNECT and C-ZAM ring) (category D)

1.3 Connectors

Safety line compatibility: This product is designed for use exclusively on

Safety lines from Ø8mm to 20mm, made of magnetizable galvanized steel cable, type 7x19, or 19x7 anti gyration. A complete PPE (lanyard + connectors) weighs approximately 1.1kg.

2. Traceability and markings

Meaning of the markings

Reference of the directives / Name and address of the PPE designer :

2.1 Marking labels

(1) Recto :

1. Brand name

(2) Verso :

2. Manufacturer
3. Compliance with regulation PPE 2016/425. The CE declaration of conformity is available on www.clc-it.eu
4. Number of the certifying body :
APAVE EXPLOITATION FRANCE SAS 0082
6 rue du Général Audran - 92412 COURBEVOIE France
Notified body involved in the CE type examination and in charge of equipment certification: APAVE Exploitation FRANCE SAS (0082)
5. **15 kN** : Static resistance of the product, guaranteed at the time of production and validated during the CE check
6. Carefully read the notice before using the product

2.2 Individual identification label

1. Individual identification number of the product + Batch number
2. The four last digits are the month and year of manufacturing (example : 0416 for april 2016)
3. Norm EN17109:2020
4. Model
5. Minimum and maximum diameter allowed by the connector

3. Use

3.1 Fitting a connector

Each connector (except on model Ax0) is fitted with an anchor point sensor system preventing it from being hooked onto a device not made of steel (magnetisable). For model Ax2, click on C-ZAM magnetic rings only.

1. Place the nose of the opened connector in front of a magnetisable anchor point. Place the arrow facing the anchor point. Wait until the barrel is released; the detection system self-locks if you force it
2. Push the connector into its locked position without forcing. When this connector is locked, the other one can be opened

3.2 Removing a connector

CLiC-iT is fitted with a mechanism preventing one connector from being unhooked if the other one is already unhooked.

1. Press the trigger of the **locked** connector with your thumb (model 21) or with your index (model 25)
2. Remove the connector while keeping the trigger pressed. The connector is **open**, it can be hooked onto another anchor point

3.3 Starting on a route

When starting on a route, check that one connector is **open**. If both connectors are **locked**, place them both on a free cable end in a safe area, then follow instructions to open 1 connector.

1. Lock the **open** connector on the lifeline
2. Click it on the free cable end by pressing his trigger
3. Lock the connector on the lifeline. Make sure that the user connects well both connectors on the lifeline at the beginning of the course

3.4 Leaving a route

Procedure for releasing the connectors from the cable, to be performed only in a safe area. Follow the safety instructions applicable to the area in question.

1. Unclick a connector by pressing its trigger.
2. Click it on the free cable end (or on the way out C-OFF reference DAS044). Pull it out of the cable end without unclicking it. Finally unclick the other connector by pressing its trigger.

3.5 Fastening the loop with a lark's head knot

1. Feed the loop through the sit harness belay point (or full body harness sternal attachment point)
2. Feed the first connector through the lanyard loop.
3. Feed the second connector through the lanyard loop.
4. Pull on the lanyard in order to form the lark's head.

For further fastening configurations, a prior validation must be asked and delivered by SARL DEHONDT before use.

3.6 Briefings

1. Carry the equipment using C-TWO accessory. (Ref : DAS046)
2. Place the connectors in front of the pulley or on the C-ZIP Xtrem (Ref: DAS180) for a zipline in order to reduce friction on the cable.
3. Let the users handle CLiC-iT on the ground (on a taut cable) before starting the course.

3.7 Forbidden manœuvres

Neglecting the basic operational rules may lead to a defect of the product causing injuries to the user. If an operational defect occurs, the product should be checked immediately.

Contact the manufacturer in case of improper operation. Handling of the product by the user with tools or metallic magnetisable objects is strictly forbidden.

1. At the start of the route, make sure that the user properly connects their two connectors to the lifeline and that their connectors are properly locked on the lifeline
2. Don't try to force open the connectors or to manipulate the U hook by hand.
3. Don't place your hand between the cable and the connector
3. Don't try to fit the connectors on the lanyard, the harness or a branch, a rope (which is not an anchor point)
4. Don't lock the connector on a tool, a magnetisable object a magnet or an another connector other than on the safety line. Tricking the product with tools, or magnetizable metal objects is strictly prohibited
5. Don't place your head between the lanyards, there is a risk of neck entrapment in case of fall. (**cf 6.Caution**)
6. Don't pull on the connectors or the lanyard during a while zipping
7. Don't drop or drag the connectors on the ground
8. Don't hang on the lanyard sheath, this could damage the lanyard and the control cables
9. Do not drag the connectors behind you when climbing on a platform with a slope, to prevent them from rubbing on the cable and wearing out prematurely
10. Don't twist the lanyard. If the lanyard is twisted and one of the connectors is stuck, remove the other connector and untwist the lanyard. If 2 connectors are stuck (several twists) : Pull the connectors apart and remove one of the connectors. To ensure optimal durability of the product, we recommend never to exceed two twists
11. Excessive spin of the central part of the lanyard may damage the control cables
12. Don't bend the lanyard
Points 8, 10 and/or 11 and/or 12 can lead to the failure of the synchronization function and possibly lead to simultaneous opening of the two connectors.
13. Don't hit the connectors between each other or against an obstacle or on the cable
14. Do not attempt to trick the connector with the magnet of a C-ZAM ring or C-CONNECT

Points 13 and 14 can cause the closing of a U-hook out of the lifeline.

This allows a potential disconnection of the second connector of the lifeline.

4. Operator informations

4.1 Arrangements and recommendations

1. Precautions : The various components of the safety line should be in compliance with the European safety standards (CE), and should be used with full knowledge of their operational limitations. Compatibility of this product with the other safety elements should be checked.

This product is not fitted with shock absorption or fall arrest system. Its use on Via Ferratas is forbidden. The anchor point **A** must always be located above the user's harness buckle **B**.

2. The centre point of the lanyard shall always be below the neck (low safety lines) OR always be above the neck (high safety lines). Please check especially, when the participant is :

- suspended, the center point of the lanyard must be below the neck. **(cf 6.Caution)**
 - OR
 - standing, the center point of the lanyard must be higher than the neck. **(cf 6.Caution)**
 - 3. On ziplines, the pulley lanyard should be much shorter than the CLiC-iT lanyard (between 10cm and 40cm) so that the connectors don't rub on the cable which could cause a risk of wear premature of the connectors and so that the lanyard (and the bowden cables) are not bended.
 - 4. Install C-ZAM (Ref : DAS111) / C-ZAM L (Ref : DAS145) / C-ZAM L+ (Ref : DAS148) rings to ease the connection onto the lifeline.
 - 5. Make sure that all anchor points are magnetic. Use C-CONNECT V2 (Ref: DAS170) for Tarzan jumps and automatic fall arrest.
 - 6. For Vertical progressions use:
 - 1.a Automatic fall arrest systems (EN360)When using Automatic fall arrest systems, check that:
 - the rope or cable goes up automatically (adjust the return force according to the weight of the CLiC-iT / CLiC'NZiP)
 - there is no slack in the rope or cable to avoid a free fall of the user.Rodéostop use:

In order to avoid slack on the rope and therefore a possible free fall of the user:

 - Use the back-and-forth assembly, with the "A1 kit" return pulley on the ground
 - Use a third anchor point that is connected directly to the harness trigger guard, in addition to the C-CONNECT (V2, 25, CLiC'NZiP) placed above.This ensures safety redundancy and prevents the lanyards from being stressed in the event of a fall, thus protecting the lanyards and control cables from premature wear. When arriving on the platform, first unhook the CLiC-iT / CLiC'NZiP, then the third anchor point, in order to avoid the risk of free fall.
 - 1.b or the C-UP anchor system with its C-ABS energy absorber
- For vertical climbing, use anchoring and belay systems recommended and certified by CLiC-iT. CLiC-iT cannot be held responsible in case of accident with any other belay system.**
7. For free falls (QuickJump, Tarzan jumps, Quickflight...), use a third anchor point to connect directly to the harness attachment point in addition to the C-CONNECT V2. This ensures a redundancy of safety and helps to avoid putting the lanyards in tension during jump and thus protect lanyards and control cables from premature wear. Check if the automatic fall arrest device goes up automatically.
- For points 6 & 7, to avoid the risk of injury, make sure to position the C-CONNECT and the CLiC-iT connectors away from the face.**
8. During a zip-line ride, if the user can't reach the pulley to put their hands on it, he might pull on the CLiC-iT lanyards to direct himself. This causes premature wear and tear of the equipment. In that case, we recommend using a pulley with no direct contact of the connectors with the safety cable : the C-ZIP XTREM.
9. When climbing and descending slopes, install C-STOP stops (Ref: DAS075) to avoid a sudden descent.
10. Install C-OFF (Ref : DAS044) at the beginning and at the end of the courses, only in an area out of danger of falling. Free cable ends need to be protected by a plastic cap to avoid injuring the user.
11. In order to facilitate movement, fit a safety rope around the trees or poles
12. **CAUTION:** Magnets contained in CLiC-iT products can cause malfunction of the pacemaker.

4.2 Storage

Store and transport in a cool and dry place, away from direct light. Avoid unnecessary exposure to UV light. Store and transport without any mechanical constraints. Store material vertically to remove humidity from the cables of the lanyard. For optimal storage of CLiC-iT lanyard, we recommend using C-RACK (Ref : DAS280)

The storage of the lanyard under stress (folded and loaded textile part) causes premature wear of the control cables, which can lead to an increase of the risk of double opening.

4.3 Evacuation in case of emergency

Supply the operators with C-ZAM Rescue (Ref : DAS194) to unhook a user from the lifeline in case of emergency.

4.4 Unlocking the CLiC-iT system

Connector 21 :

1. Pull the trigger
2. Pull the connector until the barrel locks
3. Insert the recommended tool (Ref : DAS 226) on the left side of the cable under the barrel and push the latch
4. Remove the tool (Ref: DAS226) while maintaining a pressure on the barrel pushing it towards its opening

Connector 25 :

1. Pull the trigger
 2. Pull the connector until the barrel locks
 3. Unlock according to variant 1 or 2
- Variant 1 : Insert the recommended tool (Ref : DAS 226) diagonally in the slot at the red circle on the image and press while maintaining a pressure on the barrel by pushing it towards its opening
- Variant 2 : Insert the recommended tool (Ref : DAS 226) in the slot and push it down while maintaining a pressure on the barrel by pushing it towards its opening
4. Remove the tool (Ref: DAS226) while maintaining a pressure on the barrel pushing it towards its opening

4.5 Checking the product

Each CLiC-iT karabiner includes 3 independent safety systems which need to be checked before each use to ensure the reliability of the product and safety of its users. In order to avoid any unclipping from the lifeline, due to a mechanical malfunction of the belay system, it is essential to conduct a daily check of the equipment. Before each use, inspect the general condition the stitchings of the lanyard as well as the proper functioning of the connectors. In particular, it is important to check that :

1. Both connectors can't be unlocked at the same time
2. For Ax1 version, the connectors can only hook onto a (magnetic) steel anchor point. For Ax2 version, the connectors can only hook onto C-ZAM ring

3. It is impossible to unlock a connector without pressing the trigger.

Inspection of the lanyards with swivel C8 / openable swivel C8+

Addition of inspections tied to the swivel sewn into the lanyards with swivel C8 / C8+ : Inspect the CLiC-iT swivel according to its instructions for use.

Visually inspect the condition of the seams connecting the swivel to the lanyard.

4.6 Cleaning and lubrication of connectors

In order to remove dust inside the connectors (around the magnet and inside the mechanism), use an air gun (maximum pressure: 6 bars).

To ensure a smooth operation without seizing and to protect the system from humidity, spray BALLISTOL and WD40 lubricant inside the mechanism .

To prevent dust accumulation around the magnet, spray silicone into the area of the toggle.

5. Further informations

1. Operating temperature

The use and storage temperature range should be between - 10 and +50°C. **Outside this temperature range, the product resistance could be affected. CAUTION: the product consists of polyethylene, melting at 140°C.**

2. Label

Do not cut off the label

3. Precautions for use

Avoid any rubbing on abrasive or sharp areas which may damage the product. Avoid contact with chemical products, notably acids which can damage lanyard fibres without any visible effect.

4. Cleaning the lanyards

Clean with a soft brush. Do not use water.

5. Drying

Any damp equipment should be dried in a dry and ventilated area away from direct heat sources. Damp equipment, or which has frozen up, may not operate properly.

6. Storage and transport

Store and transport in a cool and dry place, away from direct light. Avoid unnecessary exposure to UV light. Store and transport without any mechanical constraints. Store in a ventilated space.

7. Maintenance - Modification – Repair

This product must be thoroughly checked annually by a qualified professional with a prior written certification from SARL DEHONDT. It is forbidden to modify or repair this product yourself without prior training and written authorisation from SARL DEHONDT one week after the training.

Life expectancy

The life expectancy corresponds to the storage time before use + time in use.

Storage time : in proper storage conditions, this product may be stored for 5 years before first use without affecting its lifetime in use.

Storage and aging due to use of the product may reduce its strength.

Lifetime in use : 10 years maximum (for the textile part). Beyond 10 years, the textile part must imperatively be changed, the integrity of the product and wear of the various components must be checked in the workshop by SARL DEHONDT. During this inspection, one of the products of the batch will be systematically destroyed in order to assess its mechanical resistance. Safety checks determine if the product should be scrapped or repaired.

A product should be scrapped or repaired in case of:

- Important wear of the connectors in the area in contact with the anchor cable.
 - Failure to open or lock the connectors, possibility of opening both connectors at the same time, or possibility of attaching the connectors on a material other than magnetisable steel: rope, harness, lanyard.
 - Lanyard damage due to abrasion, cuts, chemical agents or others. •Damage to lanyard stitching.
 - Contact of the product with chemical or hazardous agents.
 - If the stitchings of the webbing are damaged.
 - If the product has been in contact with chemical or dangerous agents.
- In case of fall or important damage, the product should be pulled out immediately and sent back to the manufacturer for detailed inspection and possible repair. An incident report for the manufacturer should be attached to the product.

Guarantee

This product is guaranteed for 2 years against any defects in materials or production. Are excluded from the guarantee: normal wear, modifications and alterations, incorrect storage or maintenance, damage due to accidents, negligence or improper use. The guarantee is void in case of :

- Dismantling and reassembly of the product by unauthorised persons
- Commissioning and / or use (even temporary) CLiC-iT without a person with a training certificate issued and registered by DEHONDT SARL (training « A » minimum) present on the park.
- Periodic inspection of CLiC-iT carried out by a person who does not have a training certificate issued and registered by DEHONDT SARL (training « A », « B » or « C »).
- Maintenance of CLiC-iT carried out by a person who does not have a training certificate issued and registered by DEHONDT SARL (training « B » or « C »).
- Resale or transfer to a third party without control by the manufacturer, before returning the products to use. The control by the manufacturer is necessary to carry out the maintenance of the products if necessary, and to ensure the correct operation and reliability of the products.
- Use of spare parts not supplied by the manufacturer.

The CLiC-iT guarantee applies subject to the receipt of the completed training certificates, signed, scanned before the CLiC-iT is put into service, and at the latest 1 week after the training at contact@clic-it.eu

Responsability

DEHONDT SARL is not liable for direct, indirect, accidental or any other consequences occurring or due to the use of its products. DEHONDT SARL waives any responsibility if the storage, transport, use, maintenance and cleaning instructions are not met. If this product is resold as new in another country, the present notice should be translated in the language of the country of destination.

Important information

Performance during technical inspections: Static resistance of the product: > 15 kN

Protection Class: 3. Risk of fatal fall.

Warning

When installing the product in your adventure park, you should ensure, in areas where there is a risk of fall from heights, that the users can not fit the connectors to a tool, a

magnet, a metallic magnetisable element or a free cable end other than the lifeline itself. The accessible metallic anchor points must comply with the 15-567-1 (2014) standard on safety anchor points.

Also make sure the user properly connects their two connectors to the lifeline at the start of the course.

The various cases of wrong use shown in this notice are not exhaustive. There are many other possible wrong uses which can not be listed here.

This product is exclusively designed for leisure activities at heights. This product is not intended to limit, in itself, the deceleration of the fall of the user, as defined in the EN 15567-1 standard (6g maximum). For this requirement, the complete safety line, installation and fixation must be taken into account.

If this product is used in combination with other safety products, the user should carefully read the notice before use. The individual safety features of a product may be modified when this product is combined with another product.

Use only components and spare parts supplied by SARL DEHONDT.

Learning the specific techniques and competencies is required to use this product. This product should only be used by competent persons, or the user should be supervised by a competent person.

Non compliance with these rules may lead to serious or fatal injuries.

The owners of this product is responsible for their own actions and decisions, as well as transmitting these recommendations to third parties.

6. Caution

Climbing and using personal protective equipment carry inherent risks, regardless of the safety equipment being used. Falls of any kind can lead to serious injury or death.

Among other risks, neck entrapment is one of the risks inherent to this activity.

There are many factors that have to be taken into consideration and contribute to raising or lowering the risk of neck entrapment, including but not limited to the following:

Hardware : Design of the park, PPE

Operation : Fitting PPE to participant, training of the staff, briefing, supervision, quality of rescue / evacuation.

Design of the park

The height of the lifeline must be evaluated in the entire park in order to ensure that the length of the lanyard is appropriate throughout the park. Varying heights can lead to incompatibilities and therefore bear risks.

When climbing using a vertical lifeline, (fall-stop , Tarzan's swing...), the anchor point must either be fixed to the harness attachment point or be connected to the lanyards, avoiding that the two lanyards be tensioned in the event of a fall.

In this case, the difference between the two anchor point must be 20 cm minimum.

Life safety systems should limit a user's fall to less than 50 cm (20 inches).

According to the lifeline height & to the size of the participant, we propose following recommendations: see point 4.1

Handles are recommended on all the game to eliminate the need for users to grab the lanyards. Lifelines should be installed to minimize obstruction of a user's head, for example on the side.

Choosing PPE

It is recommended that the central point of CLiC-iT lanyard be attached with the shortest possible distance to the user's harness clip-in point. A low clip-in point of the lanyard on the harness is strongly recommended to decrease the risk of neck entrapment.

It must be considered that helmets may make it more difficult to extricate one's head from between the lanyard legs.

Fitting of PPE to the participant

The correct harness and lanyard length must be chosen individually to fit each participant correctly.

Harness must be put on properly and double checked.

Adjustments to the harness leg loops are necessary to prevent the harness clip-in point from sliding upwards in the case of a fall. This harness rise should be taken into consideration and planned for.

The user should be instructed on proper harness fit and to ask a guide if something feels wrong. It should be forbidden for participants to put on the harness on their own.

Training of the staff

All staff members must be aware of their responsibilities in order to establish a safe environment. They must be properly trained in assist and rescue techniques as well as in briefing and coaching methods.

All staff must receive professional training regularly in which all information for the proper operation of the park is conveyed.

Assessments of the staffs ability to perform competent rescue procedures and conduct proper and complete guest briefings must be done on a regular basis.

The Awareness of all involved risks throughout the park must be raised within your instructor and rescue team. The staff must know all possible dangers associated with using life safety systems and how different components interact with each other.

A helpful and supportive attitude towards the guests is important.

Briefing

The instructions must be passed on to each user on how to use all the equipment and practice handling it on the ground before climbing. Awareness of all risks must be raised.

The user must be informed to refrain from placing his/her head between the lanyard legs.

The user should be encouraged to push the lanyard forward him/her on the cable so that the lanyard stays in the front of the body and the user's head remains away from lanyards.

Carabiners should only be attached to the designated lifelines.

Supervision

The staff team must be vigilant, have taken part in the training process and is required to have experience in supervising the course.

Good supervision covering all parts of the course must be ensured.

The rescue team must be prepared and capable of reacting quickly in case of emergency and have good and fast access to all parts of the course. All instructors should carry a system or device for lifting, not just rescuers or rescue teams.

Participants who faced difficulties during the briefing must be given additional attention and helped, verbally or physically, if needed.

Participants should not be left alone on a course.

Enhanced supervision must be in place where the participants are faced with special circumstances (zipline, Tarzan swing, etc).

Please note

The list of recommendations stated here above is only to be used as a general guideline to limit the risks involved with climbing in adventure parks. This guideline is by no means exhaustive. It should be taken into consideration and validated by park builders and operators and shall continuously be expanded in accordance with feedback and experiences.

It is the responsibility of all involved parties to minimize the inherent risks involved with climbing and using personal protective equipment, including but not limited to following all instructions and guidelines, ensuring a safe park design, a thorough briefing for users, the compatibility between all products, the correct use of the safety equipment and by providing appropriate training and sufficient qualified staff and life safety personnel to oversee the operation (this list is not exhaustive with the practice of the ropes course).