

1. Components

MCD CONTINUOUS BELAY SYSTEM



EN 17109:2020

1.1 Hook

Ref: DAS670

Maximal load: 22 kN

Made of forged aluminium

Weight: 250g

Dimensions:

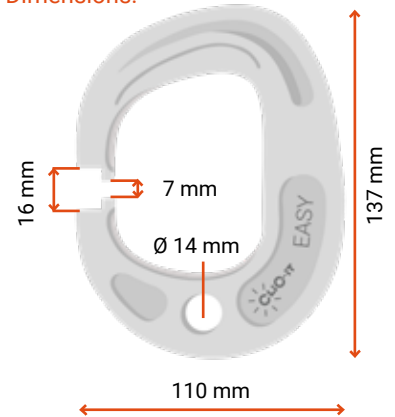
Opening for passage on plates

Clip point



Wear indicator

Ribbed for grip



1.2 Plates

Manufactured from 316L stainless steel, the plates allow the workshops to be linked together without breaking the lifeline.

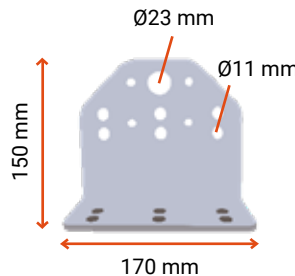
a) Start and finish plate

To be used at the start of each course to engage the hook safely from the ground.

Weight: 1340g

Ref: DAS671

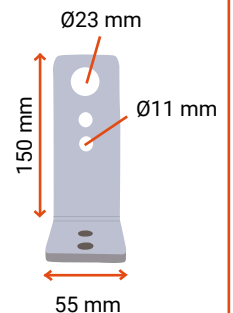
Ref: DAS671_US*



b) Positioner

Positioners are an option to guide the safety line cable at points where the structural strength provided by an anchor is not required.

Ref: DAS675



c) Element connection plates

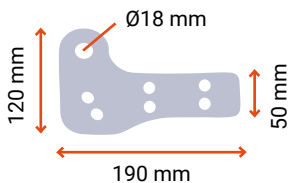
Workshop up to 20 metres

Maximum load: 10 kN

Ref: DAS673S

Weight: 460g

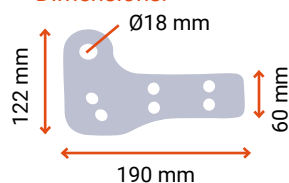
Dimensions:



Ref: DAS673S_US*

Weight: 460g

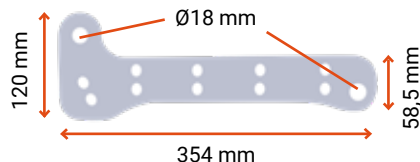
Dimensions:



Ref: DAS673L*

Weight: 800g

Dimensions:



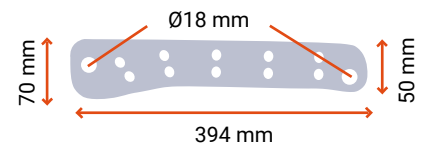
Workshop or zip line up to 150 metres

Maximal load (2 cables): 10kN

Ref: DAS672

Weight: 800g

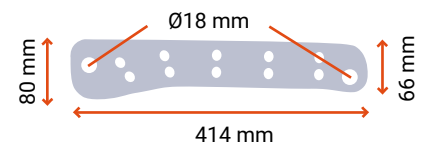
Dimensions:



Ref: DAS672_US*

Weight: 800g

Dimensions:



d) Bifurcation and evacuation cross

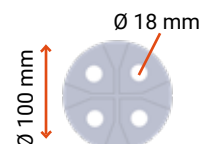
Maximal load > 17 kN

Used to bypass an obstacle or evacuate. It behaves like a switch, but does not require any handling.

Ref: DAS674

Weight: 710g

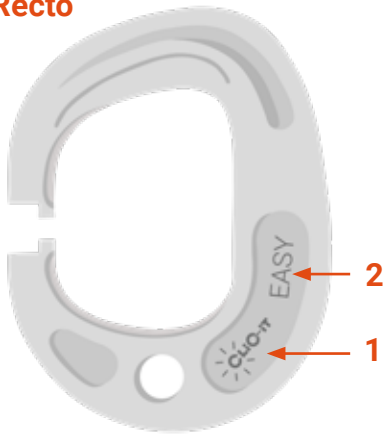
Dimensions:



*While stocks last, replaced by DAS673S
*Only available in the USA

2. Traceability & marking

2.1 Recto



2.2 Verso



3. Installation and compatibility

3.1 General

1 Standard 7x19 galvanised steel cable EN 13411

Ø 12 mm OR Ø 12,7 mm
Do not use any other type of cable

2 25 Nm OR 65 Ft.Lbs.

STD 12 mm
Ref: DAS593-12

Crosby G-450
1/2"*

Zipline
MAX 150M

Zipline
MAX 150M

CMU2T MR shackle
with bolted pin
Ref: CR-MLA

Large opening
quick link
Ref:
Ø7mm : DAS681
Ø10mm : DAS682
Ø7 mm or Ø10 mm



OR Cap nut
M10
Ref: DAS687

3

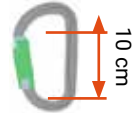


3.2 Hook

Components



or



Am'D PIN-LOCK
PETZL
Ref: CR-PL-PE

or

Ø

only
if

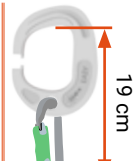
≤ 5cm



Assembly



or



or



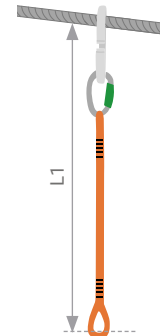
+

Flat sewn sling

Total length

Reference	Dim.
DAS060EL-CIL-55	55cm
DAS060EL-CIL-70	70cm
DAS060EL-CIL-90	90cm
DAS060EL-CIL-110	110cm

Dim.



OR

Double rope lanyard

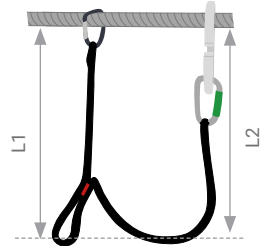
Total length

Reference	Dim.
DAS683	68-93cm
DAS684	93-118cm

+



Carabiner
DJINN PETZL
Ref DAS686



OR

Double Y flat lanyard

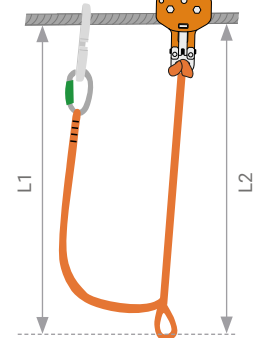
Total length

Reference	Dim.
DAS685	76-100cm

+



C-ZIP LOCK
Pulleys



Assembly of hook + lanyard system



To be fitted to an EN 12277 type A: 2015 + A1:2018 harness
with lanyard EN17109:2020 and connectors EN362 or EN12275.

The lanyard must be permanently attached to the harness
either by a lark's head or by a connector that can be opened using a tool.
Refer to the assembly instructions for the harness, lanyard and connectors chosen.

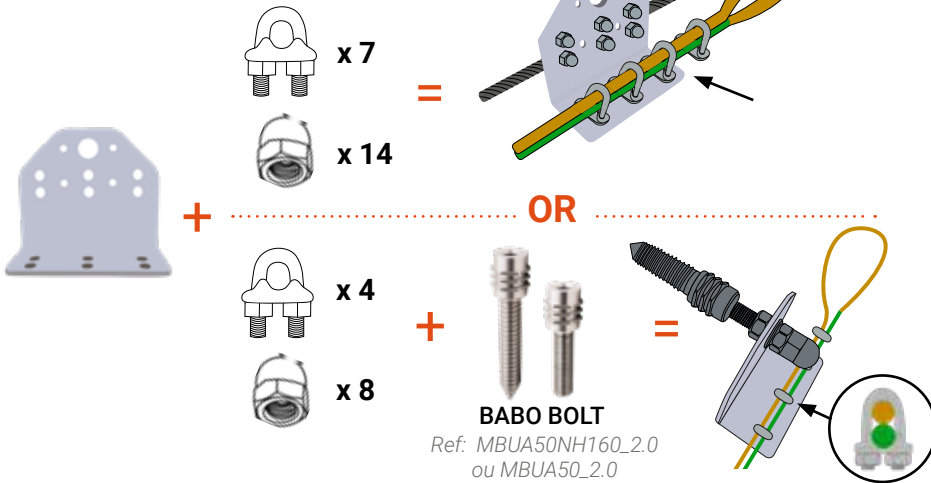
Lanyard type	Reference	L1 (cm)		L2 (cm)
		Quick link	Am'D PIN-LOCK	
Flat sewn sling	DAS060EL-CIL-55	71	74	
	DAS060EL-CIL-70	86	89	
	DAS060EL-CIL-90	106	109	
	DAS060EL-CIL-110	126	129	
Double rope lanyard	DAS683	63	66	105
	DAS684	88	91	106
Double Y flat lanyard	DAS685	75	78	93

— pulling cable

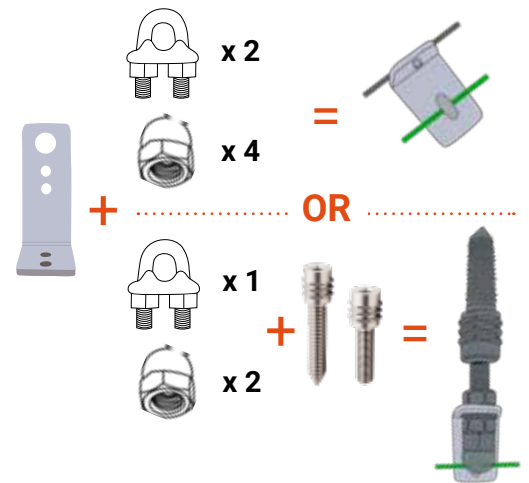
— dead cable

Installations standards: EN 15567-1:2015
Standards ACCT

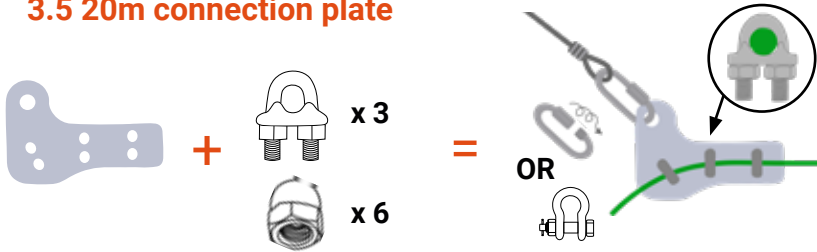
3.3 Start and finish plate



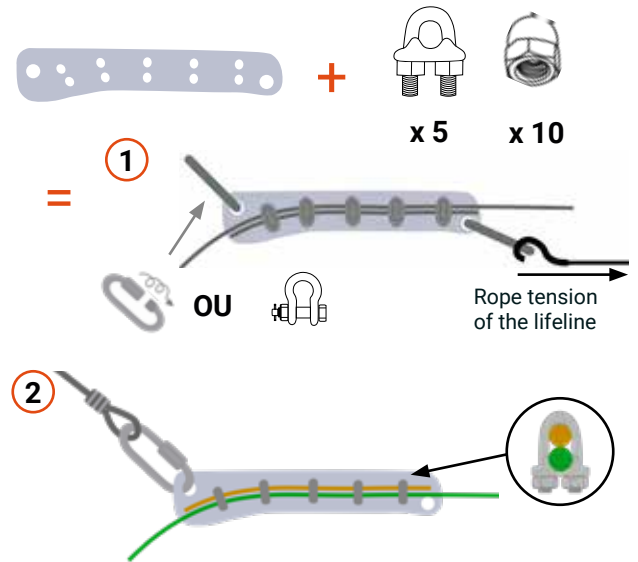
3.4 Positioner



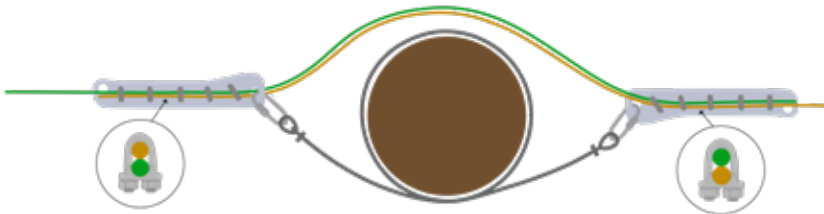
3.5 20m connection plate



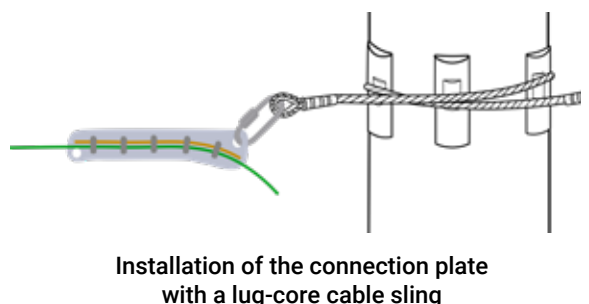
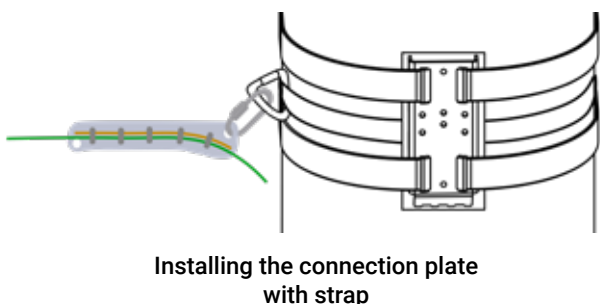
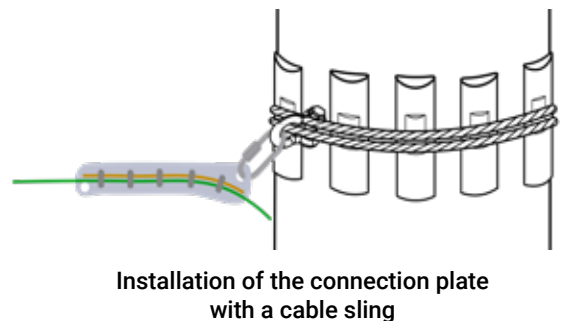
3.6 Connection plate up to 150m



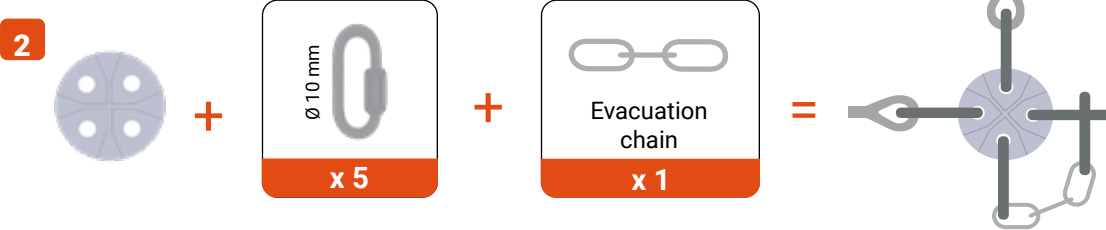
3.7 Splicing 2 cables



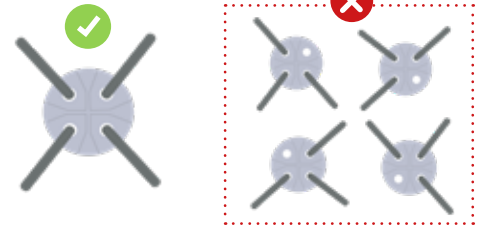
3.8 Installation recommendations



3.9 Bifurcation and evacuation cross



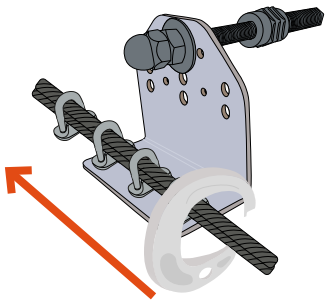
Prohibited assemblies



Installation standards:
EN 15567-1:2015
Standards ACCT

4. Use

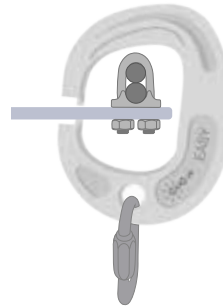
1 Move forward the hook



2 Pass the hook over the cable



3 Pass the plates

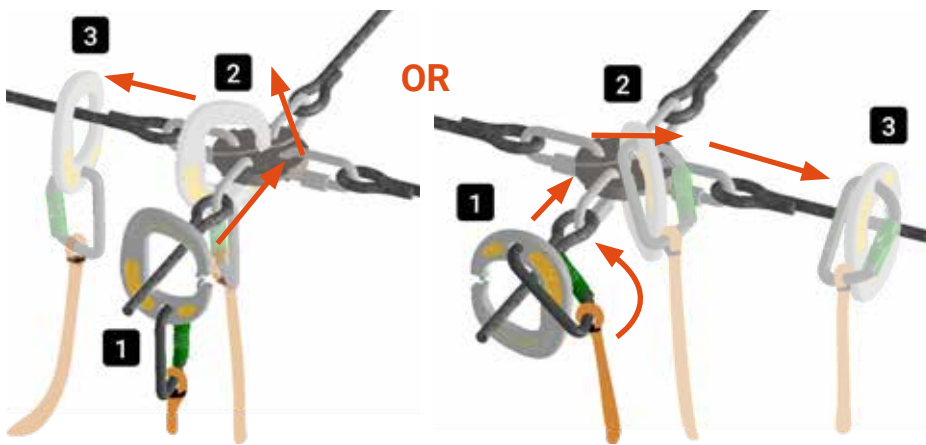


4 Compatibility with other systems

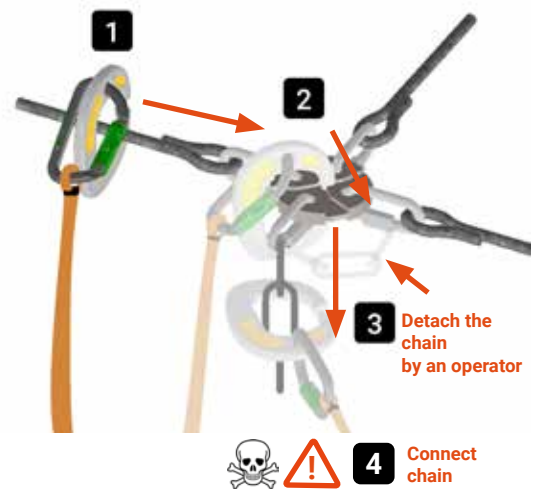


5 Pass the bifurcation / evacuation cross

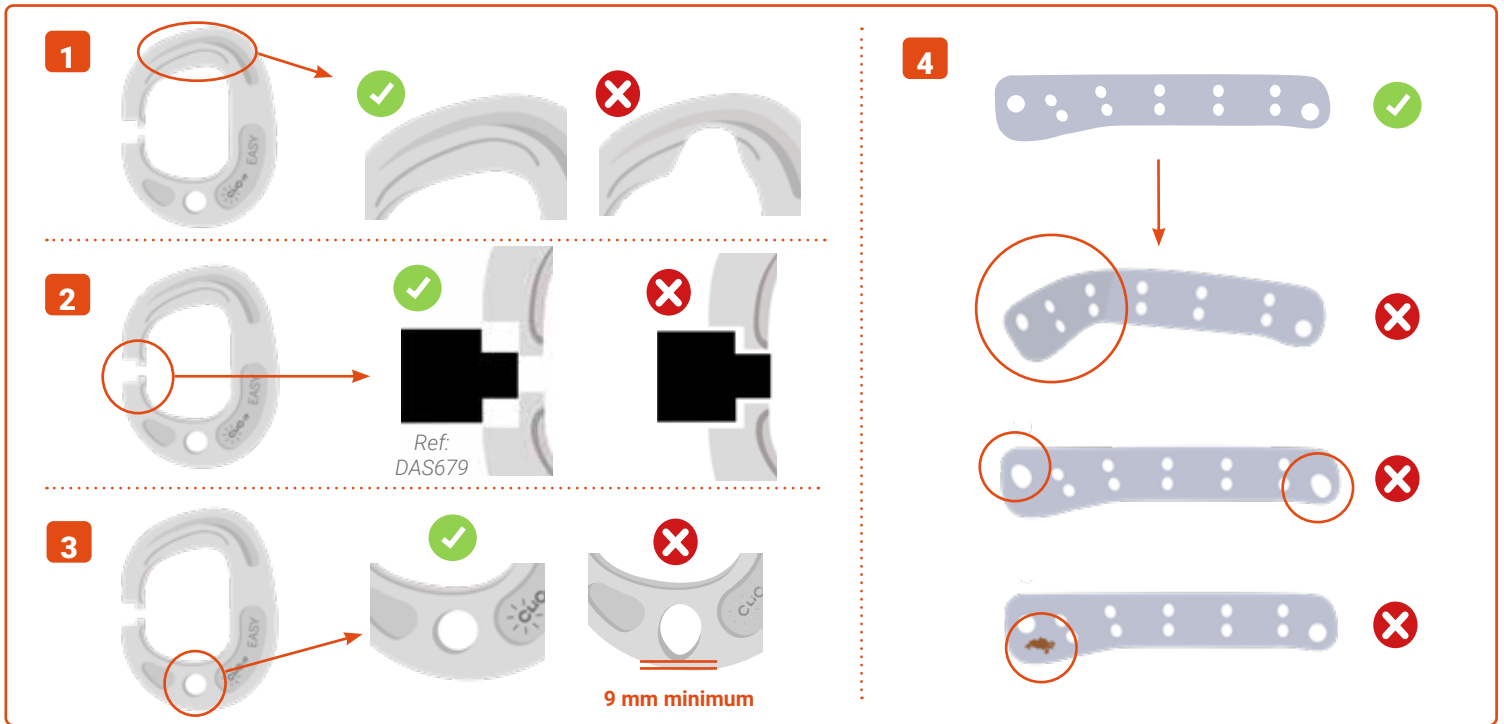
Change workshops



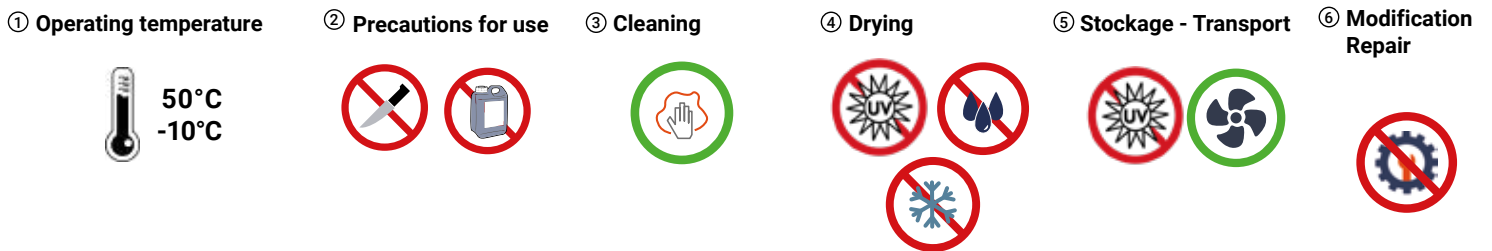
Evacuate



5. Checking



6. Other informations



Periodic inspection and repair log

Date	Reason (periodic inspection or repair)	Observed defects, repairs carried out, and any other relevant information	Competent person's name and signature	Date for the next scheduled periodic inspection

Manufacturing date	
Expiration date	
Purchase date	
Date of first use	
Other relevant information	

Individual identification number

Manufacturer

DEHONDT SARL

Address: 5 rue des Terres - Cellule 7
51420 CERNAY-LES-REIMS

Phone number: 03.26.47.11.34

E-mail: contact@clic-it.eu

EU declaration conformity are available on :

www.clic-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. If in doubt, please contact SARL DEHONDT.

1. Product description

This product is personal protective equipment (PPE) against falls from a height. 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 E. Max weight user weight: 140kg.

2. Traceability and marking

Meaning of the marking

Reference of the directives / Name and address of the notified body involved in the PPE design phase :

- (1) Recto :
- Brand name
 - Model
- (2) Verso :
- Compliance with regulation PPE 2016/425. The CE declaration of conformity is available on www.clic-it.eu
 - Number of the certifying body:
APAVE SA
6 rue du Général Audran- 92412 COURBEVOIE cedex - France
Notified body involved in the CE type examination and in charge of equipment certification: APAVE SA (0082)
 - 22 kN : Static resistance of the product, guaranteed at the time of production and validated during the CE check
 - Carefully read the notice before using the product
 - Authorised cable diameter : 12-12,7mm
 - EN17109:2020: Applicable standard
 - MM.YY : Batch number - month and year of manufacture

3. Installation and compatibility

3.1 General

- The CLiC-iT EASY course elements are compatible with Ø12 mm and Ø12.7 mm lifeline cables.
- Compatible cable clamps are standard 12mm (ref DAS593-12) and Crosby G-450 1/2" (only available in the USA). Standard 12mm cable clamps should be tightened to 25 Nm and Crosby to 65 Ft.Lbs.
- The quick link compatible with the CLiC-iT EASY hook is a Ø7mm quick link (ref DAS681) which must be tightened to 2.5 Nm. The quick link compatible with the CLiC-iT EASY plates is a Ø10mm quick link (ref DAS682) which must be tightened to 7 Nm.
- Compatible cap nuts are the Ø12mm cap nut (ref DAS687) and the 1/2" cap nut (only available in the USA).
- The compatible shackle is the CMU2T MR bolted pin shackle (ref CR-MLA)

3.2 Hook

The hook is fitted with :

- A Ø7mm wide-opening link OR a PETZL Am'D PIN-LOCK carabiner conforming to EN12275:2013 (ref CR-PL-PE)
 - + A single flat sewn lanyard compliant with EN17109:2020 (DAS060EL-CIL) OR an asymmetrical double rope lanyard compliant with EN17109:2020 (adult ref DAS683 and child ref DAS684) OR a double sling compliant with EN17109:2020 (DAS685)
 - + An EN12275:2013-compliant carabiner attached to the lifeline (ref DAS686) OR connected to an EN17109:2020-compliant pulley.

Please refer to the instructions for the components listed: lanyards, carabiners, quick links.

For any other assembly, please contact us.

3.3 Start and finish plate

The starter plate must be fixed :

- To the existing lifeline cable using 7 standard 12mm cable clamps (ref DAS593-12) or 7 Crosby G-450 1/2" and 14 cap nuts.

OR

- Using BABO BOLT with 4 standard 12mm cable clamps (ref DAS593-12) or 4 Crosby G-450 1/2" and 8 cap nuts.

3.4 Positioner

The positioner must be installed using 2 standard 12mm cable clamps (ref DAS593-12) and 4 cap nuts OR using the BABO BOLT + 1 standard cable clamp and 2 cap nuts.

3.5 20m connection plate

The 20m link plate must be fixed using 3 standard 12mm cable clamps (ref DAS593-12) or 3 Crosby G-450 1/2" and 6 cap nuts and 1 Ø10mm wide-opening quick link (ref DAS682) or a CMU2T MR bolted shackle (ref CR-MLA).

3.6 Connection plate up to 150m

The 150m link plate must be secured using 5 standard 12mm cable clamps (ref DAS593-12) or 5 Crosby G-450 1/2" and 10 cap nuts and 2 Ø10mm wide-opening quick links (ref DAS682) or 2 CMU2T MR bolted shackles (ref CR-MLA).

- The quick link at the right-hand end of the connection plate must be used to tension the cable using a suitable device.
- Once the cable has been tensioned, remove this second quick link. Only one quick link remains on the final installation.

It is imperative to install the plates with two cables: the lifeline cable must be underneath the first. The lifeline cable must not be pinched by the cable clamp.

3.7 Splicing 2 cables

Install two connection plates up to 150m, as described in section 3.6.

3.8 Mounting recommendations

Mounting examples: non-exhaustive list

3.9 Bifurcation/evacuation cross

- The bifurcation cross must be fixed with 4 Ø10mm large opening quick links attached to the lifeline cables.
- A 5th quick link allows the evacuation chain to be added.

Forbidden assemblies

The bifurcation cross must be fixed with 4 Ø10mm large opening quick links. The user's safety is

at risk if one or more links are missing.

Before each use

Check hook for visual defects, deformation, cracks, corrosion and wear.

Check lanyard for correct locking.

Check that the plates and bifurcation cross are undamaged and that the cable ties are tight.

4. Use

- Engage the hook on the ground: slide the hook onto the starter plate, with the hook attachment pointing towards the ground.
- Pass the hook over the cable: the hook must be used with the attachment point facing the ground.
- Pass the plates: slide the hook over the plates through the opening.
- Compatible with CLiC-iT RiDER and CLiC-iT ADVENTURE
- Passing the bifurcation cross: the hook with the attachment point facing the ground is used to pass the bifurcation cross to workshop A.
If you want to go to workshop B (or an evacuation point), turn the hook upside down so that the attachment point is facing upwards. This ensures smooth passage through the bifurcation cross.
To evacuate the hook, unscrew the quick link and tighten with a wrench. Check that it is tight enough to avoid any risk of falling.
If using a pulley, unhook the pulley before the plate and reattach it to the lifeline directly after the plate.
To prevent the user from becoming detached on the course, make sure he connects his lanyards to the lifeline at the start of the course.

5. Checking

- Check the upper part of the hook for wear. Wear must not exceed the wear indicator.
- Check hook opening using DAS679 inspection jig.
- Check the wear of the attachment point.
- Check plates, shackles, quick links for deformation, wear, cracks or corrosion.

During use

Only one user per hook.

To limit friction on the cable during zip lines, place the hook on the pulley.

6. Further information

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.

2. Precautions for use

Avoid any rubbing on abrasive or sharp areas which may damage the product. Avoid contact with chemical products, notably acids.

3. Hook cleaning

Clean with a soft cloth.

4. 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.

5. Storage et 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.

6. 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.

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 : unlimited until too much wear.

A product should be scrapped or repaired in case of:

- Wear by the cable exceeding the wear indicator.
- Wear on the opening too great (passage of the DAS679 gauge).

The hook has a visual defect, deformation, crack, corrosion or wear.

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.

Warranty

This product is guaranteed for 5 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 resale or transfer to a third party without the manufacturer's written agreement.

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

Protection class: 3. Risk of fatal fall

Warning

The few cases of misuse presented in this manual are not exhaustive. There are a multitude of other misuses impossible to list here. This product is intended exclusively for leisure activities at height. This product is not intended to limit, in itself, the deceleration of the user's fall, as defined in EN 15567-1 (6 g maximum). For this requirement, the complete cable routing system must be taken into account. If this product is used in combination with other safety products,

the user must familiarize himself with all instructions and data sheets before use. The individual safety characteristics of a product may be modified when this product is combined with another product. Refer to the instructions for the lanyard used to avoid any risk of entrapment (strangulation, laryngeal trauma, risks incurred when using lanyards). The use of this product requires training and special skills. This product should only be used by competent persons who have been instructed in its use, or the user should be placed under the supervision of a competent person. Failure to comply with these rules increases the risk of injury or death. The owner of this product is responsible for his or her own actions and decisions, and for passing on these recommendations to third parties.