

USER MANUAL



TRACKER

Fall arrester for fall protection systems with a flexible anchor line

TRACKER BLOCK

Fall arrester for fall protection systems with a rigid anchor line

CE 1463 EN 353-1:2018; EN 353-2:2005; EN 795:2012 B, EN 795:2012 C

Date of manufacture: MM/RRRR

Serial number: XXXXXX

Conforming to: EN 353-1:2018; EN 353-2:2005; EN 795:2012 B, EN 795:2012 C

Risk category 3

Proper direction of use indicated by the arrow

For one user only

Load limit for vertical uses: 140 kg

Read the manual carefully before use!



Manufacturer's logo

Manufacturer's trade name

max. 140 kg

Maximum weight of user



For one user only

SPPW001

Serial number:

02.2020

Month and year of manufacture

CE 1463

Number of the notified body responsible for quality control of the manufacturing process

φ 8 7X19 AISI 316

Diameter and type of flexible anchor line

φ 10 7X19 AISI 316

EN 353-2

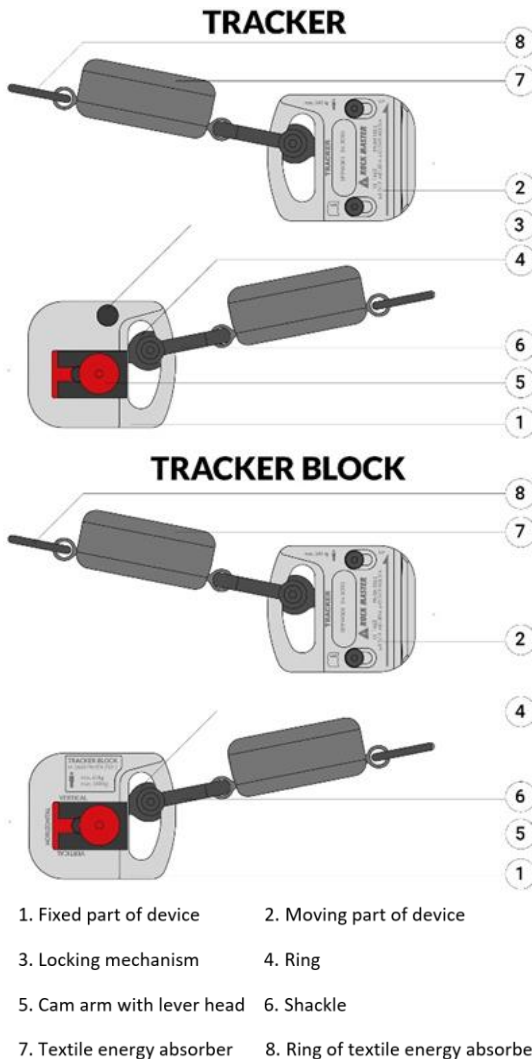
Number of the EU standard applicable to the device



Indication of the correct position of the device



An indication to read the user manual before using the device



THE DESCRIPTION AND DESIGN OF THE DEVICE

The TRACKER fall arrester is available in two models/variants: TRACKER and TRACKER BLOCK; choose one of them depending on planned application. Both versions feature the same components and have the same basic functionality: they connect the operator to the rope and provide fall protection.

The TRACKER BLOCK variant does not include a locking mechanism to prevent the halves of the housing from moving. Instead, a connecting component has been introduced, locking the halves of the housing permanently together and, consequently, making it impossible to open the device and slide the cable in.

The TRACKER is placed on a rope by opening the housing - the two halves move away from each other. The locking mechanism on the moving part (3) prevents the device from disconnecting.

The housing of the TRACKER BLOCK is permanently closed; due to this, it's necessary to use a so-called exit/entry point to attach the device to the cable and introduce it to the fall protection system. It's only possible to attach/detach the device in those entry/exit points.

The TRACKER fall arrester comprises, in both its variants, a metal housing containing the fall arresting mechanism, permanently connected with a shackle to a textile shock absorber (7).

The housing of the device comprises two steel plates (fixed (1) and moving (2)), which can be slid open (only TRACKER); these are the core component of the device's function and keep it locked on the anchor line.

The lock is released (TRACKER only) by pulling on the knurled bolt and pulling out the locking pin (3) located on one part of the housing. Only then it is possible to open the device.

Inside the device, between the two housing parts, there is the fall arresting mechanism. The key component is an arm positioned onto a double torsion spring, with a fastening ring on one end (4), and a tab on the other, which catches onto the rope and locks under dynamic load.

The arm of the fall arresting mechanism is equipped with a lock (tab lock), which makes it possible to use the device also in the horizontal. The cam arm and lever head (5) are positioned perpendicular to the housing and the tab is retracted inside the housing, making it possible for the device to move freely.

When moving from the horizontal to the vertical, both TRACKER and TRACKER BLOCK need to slide over a stopper element. This element changes the position of the cam arm (5), placing it parallel to the body of the device. No action is needed from the Operator. In this position, the fall arrest mechanism handle and tab are released and the device is free to activate (grab onto the cable) in the vertical.

The metal device described above, permanently connected (using a shackle) to a shock absorber, constitutes the complete and full fall arresting device that is the TRACKER/TRACKER BLOCK.

PROTECTIVE EQUIPMENT FOR SAFE WORK AT HEIGHT AND FALL PROTECTION SYSTEMS – GENERAL INSTRUCTIONS FOR USE

Introduction

- Personal fall protection equipment should only be used by one person.
- Fall protection equipment, both personal (like fall arresters) as well as the likes of fall arrest systems should only be used by persons in good health and shape, with no contraindications to performing work at height and who have been adequately trained by a competent and authorized representative of the manufacturer.
- Fall protection equipment, both personal (like fall arresters) as well as the likes of fall arrest systems should only be used as indicated and designed. The incorrect use or incorrect combination of fall protection equipment can cause severe personal injury or death.
- It is strictly forbidden to modify the device or tamper with it. Any such action shall void the warranty.
- All repairs must be undertaken only by the manufacturer or by persons authorized by said manufacturer.
- Before commencing work using fall protection equipment or fall protection systems it is essential that a rescue procedure, and, first and foremost, an adequate set of rescue equipment are in place.
- Work using fall protection equipment and/or fall protection systems is to be carried out only under the guidance of a competent supervisor.

Using the device

- Before commencing work, the user has to:
 - read the user manual carefully
 - learn (and train) all basic rescue procedures and techniques
 - check the condition of the device/ system (all parts working correctly, no damage, no wear and tear, no corrosion/rust, no abrasions) and the correct assembly of all parts of the system as well as whether all parts fulfill the requirements of corresponding standards. The technical condition of all parts of the protection system is to be checked upon completing work as well
 - check, whether parts of the system do not interfere with one another
- It is forbidden to use the equipment if any of the parts does not work correctly.
- The only allowed PPE for fall arrest are harnesses according to EN 361
- It is only allowed to attach the fall arrest device to the harness at the connection point marked with the capital A.
- While working with fall protection equipment, proper anchor points according to EN 795 have to be used; there has to be sufficient space below the worker, exceeding the length of fully deployed fall absorber.
- Exercise caution while working in difficult or demanding conditions: avoid extreme temperatures and weather as well as caustic substances.
- After a fall has been arrested, the device is to be retired! A device that has been retired is to be destroyed!, i.e. rendered non-usable.
- If there are any doubts about the technical condition of a piece of equipment, it should be retired. Such a device can be reused only after a full inspection has been carried out by the manufacturer and a written approval has been issued.
- The fall protection system should be fitted and fastened in a way that reduces the risk of falls and/or their potential length to a minimum. There has to be sufficient space below the worker. Also the distance required for fall absorption (the length of the deployed fall absorber) and the fall distance have to be considered.

Inspection and maintenance

- An inspection is to be carried out at least once per year (at least every 12 months). An inspection can be carried out by a competent authorized person; for more complex devices, an inspection is to be carried out by the manufacturer or a person authorized by the same in writing. Check the technical condition of the device as well as the function and all the markings, which need to be clearly visible. If the result of the inspection is unsatisfactory, the device should be retired.
- The device functioning correctly is crucial to preserving the user's health and safety; therefore, regular inspections are necessary.
- All information in regard to the equipment, including the periodic inspection results, shall be recorded in its designated logbook by the persons responsible for storing and maintenance. It is forbidden to use any equipment if its corresponding logbook has not been maintained properly and/or does not contain crucial information, if documents are missing or incomplete or if the equipment's history is unclear/unknown.
- The equipment's lifespan depends on environmental conditions, any harmful factors present, the intensity of use, and storage conditions.
- The maximum allowed lifespan for textile parts is 15 years from date of manufacture or 10 years from the date of first use. The lifetime of metal parts is not limited. It is however recommended to replace the device after 10 years.
- A device is to be retired if the maximum lifetime given by the manufacturer has been exceeded. The manufacturer can retroactively change the lifetime of a specific type of product and publish this information eg. on their website.
- To clean the device, wash it with clear, lukewarm water (up to 30°C), using a soft wipe; for more persistent dirt, use natural soap. Leave the device to dry in room temperature.
- The device can be sanitized using spray disinfectants.
- Only silicon-based spray grease can be applied to metal devices, if needed. Any excessive grease on the surface touching the rope or on the outside can be removed using a clean wipe.

Storing and transporting

- To ensure the longevity of equipment, when not in use, store it in its original packaging in a dry, ventilated place, at room temperature.
- Make sure to avoid exposure to dust and salty environments, high temperatures, harmful and corrosive substances, abrasive and sharp surfaces and edges when storing and transporting the equipment.
- Do not leave the equipment out where it is directly exposed to sunlight.

TRACKER/TRACKER BLOCK – DETAILED INSTRUCTIONS FOR USE

Before use, familiarize yourself with the below information on the correct handling of the TRACKER/TRACKER BLOCK fall arrest device; the information complements the general instructions for use of fall protection equipment and/or builds on them.

The TRACKER/TRACKER BLOCK fall arrest device can be used in combination with other parts and devices to create a full fall protection system.

Scope of use:

Applicable standard: The TRACKER BLOCK device conforms to EN 353-1:2018, EN 353-2:2005, EN 795B:2012 and EN 795-C:2012.

The TRACKER device conforms to EN 353-2:2005, EN 795-B:2012 and EN 795-C:2012

Load limit: one person + equipment, up to 140 kgs.

To be used with anchor line types: steel cable ø8 mm AISI 316

or steel cable ø10 mm AISI 316

Allowed temperature range: -30°C + +50°C

The fall arrest devices TRACKER and TRACKER BLOCK were tested under laboratory conditions. Operators must be aware that environmental conditions (especially humidity, snow, ice, dirt) may affect the performance of the device and other components of the fall protection system.

The design of TRACKER and TRACKER BLOCK and locking mechanisms implemented within them allow for their use as a component of vertical and horizontal fall protection systems as well as fall protection systems that are a combination of horizontal and vertical sections.

The fall arrest device TRACKER can be used to connect the operator to an anchor line and to provide fall protection:

- in vertical fall protection systems or vertical sections of fall protection systems with flexible anchor lines acc. to EN 353-2:2018.
- in horizontal fall protection systems or horizontal sections of "mixed type" fall protection systems, as well as other horizontal lifelines conforming to EN 795:2012.

The fall arrest device TRACKER BLOCK can be used to connect the operator to an anchor line and to provide fall protection:

- In vertical fall protection systems or vertical sections of fall protection systems with rigid anchor lines and entry/exit points acc. to EN 353-1:2018.
- In horizontal fall protection systems or horizontal sections of "mixed type" fall protection systems as well as other horizontal lifelines with entry/exit points acc. to EN 795:2012.

The Operator should familiarize themselves with the general rules for PPE use and with the detailed manual, and, when commencing work with the device, follow the pictured steps.

NOTE:

Each piece of equipment should be accompanied by a set of instructions for its use, maintenance and periodic inspections and repairs in the language of the future user's country.

Lifetime and inspections

Standard wear and tear is to be expected when the device is used as designed and not exposed to any harmful environmental factors. The manufacturer specifies the expected standard lifetime for the device as 15 years from date of manufacture and up to 10 years from first use.

The device should be inspected before and after every use by the user.

That notwithstanding, the device has to be inspected at least once every 12 months. The inspection is to be carried out by the manufacturer or a person authorized by the same in writing and is to follow the checklist provided by the manufacturer.

If a fall has been arrested, the anchoring device is to be retired immediately. Also the segment of the anchor line and the corresponding anchor point involved in the incident are to be replaced.

Connecting the flexible anchor line to the anchor point

The flexible anchor line should be permanently fixed to anchor points conforming to EN 795. Connect the anchor line to the upper anchor point using a fixing element provided by the manufacturer (1): a sealed off rope guide, b) rope guide equipped with a stopper. The lower end can terminate in: c) a free hanging deadweight anchor, d) a bottom anchor point and tensioner, e) a simple anchor point and ring.

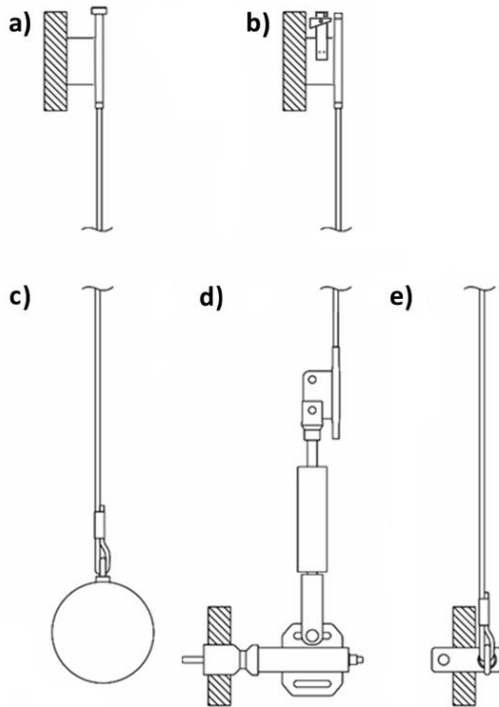


Fig. 1: End of a vertical protection system according to EN 353-2: a), b) the upper part, c), d), e) the lower part

Connecting the rigid anchor line to the anchor point

Just like a flexible anchor line, also a rigid anchor line, made of steel cable, needs to be fixed at the upper end to an anchor point according to the strength requirements of EN 795:2012 A. For vertical-only systems, this could be a rope guide bracket, both a sealed off one as well as one equipped with a stopper (Fig. 1). The upper anchor point for a cable can be a cable guide installed on a corner bracket (pass-through) and fixed to the ladder as shown in Fig. 2; this provides a transition between the vertical and the horizontal section of the fall protection system.

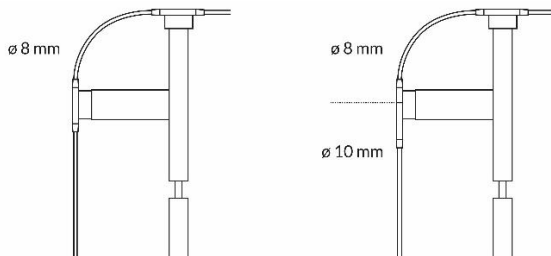


Fig. 2 Upper anchor point with a corner bracket (pass-through)

The lower end of the cable in systems with rigid anchor lines has to be permanently fixed to one point at the bottom of the ladder; the lower anchor point (end point) has to be equipped with a tensioner attached to the cable and stoppers preventing the operators from attaching their fall arrest devices incorrectly; a so-called exit/entry point, as shown in Fig. 3.

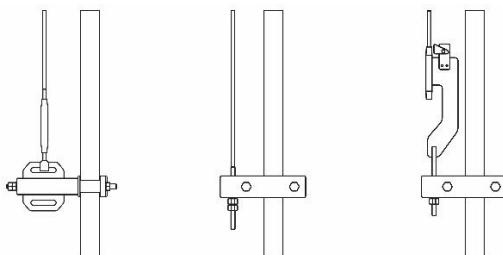


Fig. 3 Bottom anchor points conforming to EN 353-1:2018

Preparing the device

Before using the device, check every time if there are no cracks, abrasions or burrs on the device as well as the visibility of all markings. Check the shock absorber for damages. Finally, check the proper function of all the parts of the device.

Placing the device on the rope/cable

The fall arrest device TRACKER can be clipped in or out of the anchor line at any point of the system. For safety reasons, it is recommended to do it only if there is no fall risk present or where the user is protected by another system or device.

When working correctly, the TRACKER fall arrest device should move along the anchor line freely, following the user when going up and down the ladder.

The TRACKER BLOCK can be installed on a vertical cable of a fall protection system only in specified points, referred to as exit/entry points.

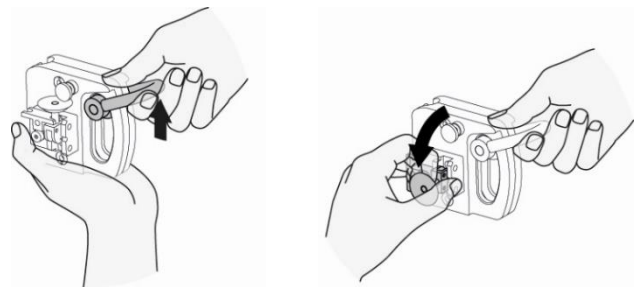
NOTE:

When used on vertical cable sections, the device will only move freely, if installed in the proper position. The correct direction is shown by an arrow on the housing.

To clip the TRACKER into a steel cable (8 mm or 10 mm diameter), open it by sliding the two parts of the housing. To do it, follow the below steps:

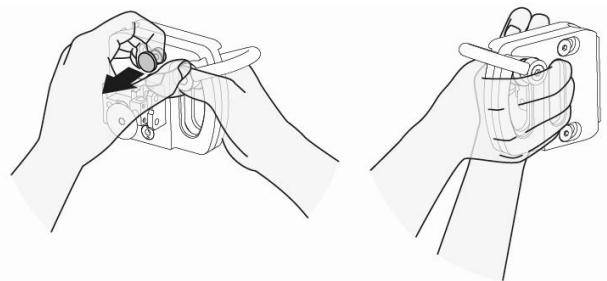
1. activate the fall arrest lock.

Grab the steel housing of the TRACKER with your left hand, keeping it in a vertical position. Grab the shackle (6) with the handle (4) with the fingers of your right hand and place your right thumb on the housing. Force pull the spring to move it as far up as possible. Place the cam arm (5) perpendicular to the housing. When released, the handle (4) will fall halfway, into the locked position.



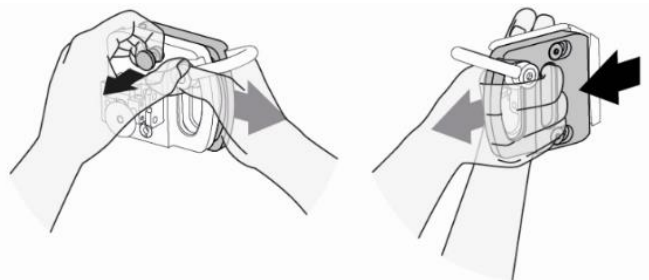
2. Moving the TRACKER from one hand to another

Place the fingers of the right hand on TRACKER. Place the thumb on the connector of the fall arrest mechanism lock, on the fixed part of the housing (1), place the fingers in the recess of the moving part, opposite from the thumb. Now you hold the TRACKER in your right hand.



3. Opening the device.

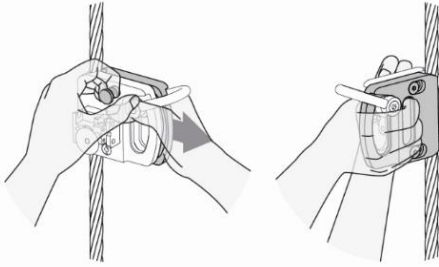
Hold the TRACKER in your right hand and, using the fingers of your free left hand, pull the locking pin away by pulling on the knurled bolt (3). Keep the locking pin (3) away and move the moving part of the housing (2) by bending the fingers of your right hand and pressing the thumb against the connector of the fall arrest mechanism lock.



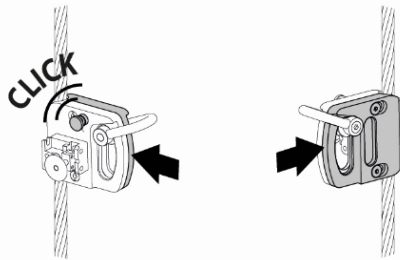
PLACING THE DEVICE ON A CABLE - A VERTICAL FALL PROTECTION SYSTEM WITH A RIGID ANCHOR LINE ACCORDING TO EN 353-1:2018

TRACKER

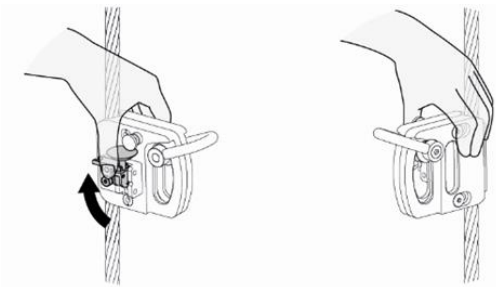
1. The device opens and so can be clipped in or out of the anchor line at any point of the system. When the lock is released, the two halves of the housing can be slid apart and the device can be placed on the cable.



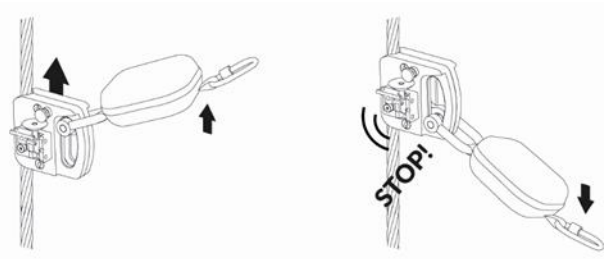
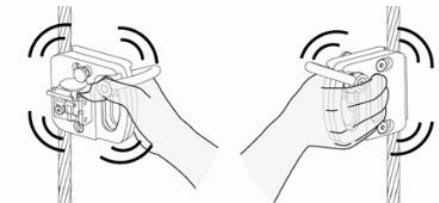
2. Place the open TRACKER fall arrester on the vertical cable and close the housing.



3. Release the fall arrest lock. Position the cam arm (5) in a position parallel to the housing, so that the fall arrest lock is released. Immobilize the cam arm by moving the latching hook by 90° (9). The fall arrest mechanism handle and the shackle can now move freely.

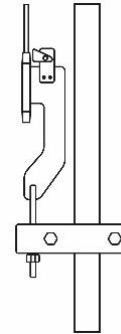


4. Checking the locks

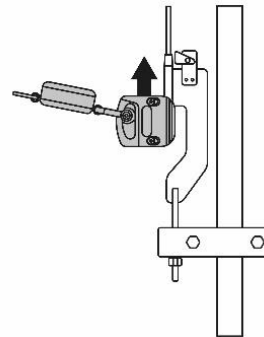


TRACKER BLOCK

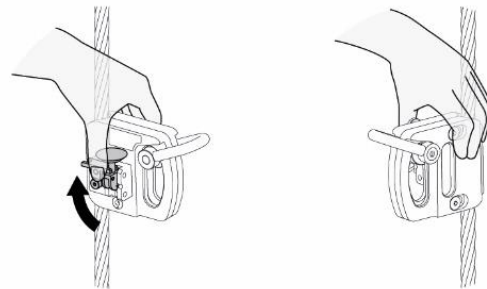
1. The housing of the TRACKER BLOCK is permanently closed; due to this, it's necessary to use a so-called exit/entry point to attach the device to the cable and introduce it to the fall protection system. It's only possible to attach/detach the device in those entry/exit points.



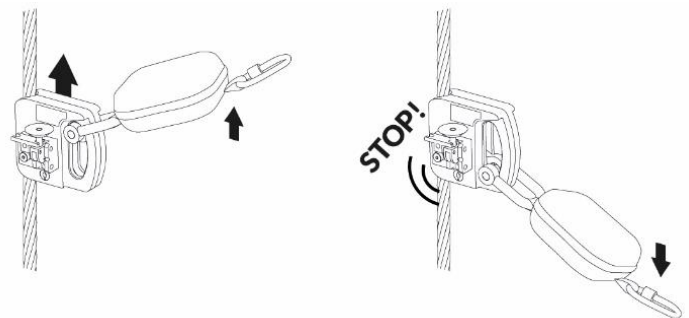
2. Place the correctly positioned TRACKER BLOCK under the entry/exit point and slide it over it and thus passing over the first gravitational buffer.



3. Make sure that the fall arrest mechanism lock is released



4. Checking the locks

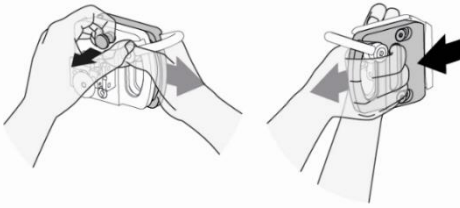


PLACING THE DEVICE ON A CABLE - TRACKER ONLY

A VERTICAL FALL PROTECTION SYSTEM WITH A FLEXIBLE ANCHOR LINE ACCORDING TO EN 353-2:2005

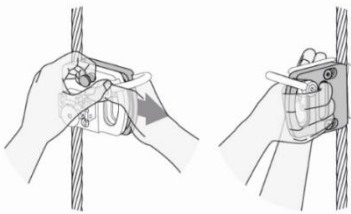
1 Opening the device.

Hold the TRACKER in your right hand and, using the fingers of your free left hand, pull the locking pin away by pulling on the knurled bolt (3). Keep the locking pin (3) away and move the moving part of the housing (2) by bending the fingers of your right hand and pressing the thumb against the connector of the fall arrest mechanism lock.



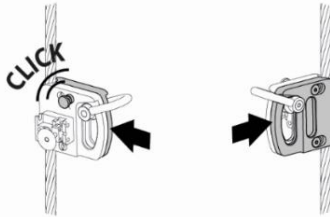
2 Placing the device on the cable.

Grab the device with both hands: pull the locking pin away (3) with your left hand and the moving part of the housing (1), (2). Place the device on the cable by sliding the cable into the opened slot between the housing parts.



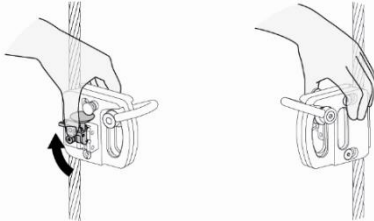
3 Closing the device on the cable.

After having placed the device on the cable, release the locking pin (3), straighten the fingers of your right hand and push the housing parts together using the inside of your right hand. When closing, the TRACKER will produce a characteristic click, coming from the released locking pin (3), which will now lock the housing halves (1) and (2) together.



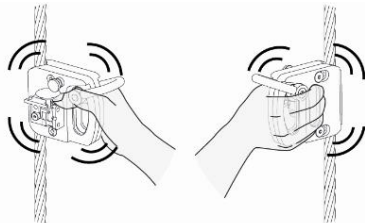
4 Releasing the fall arrest mechanism lock.

Position the cam arm (5) in a position parallel to the housing, so that the fall arrest lock is released. Immobilize the cam arm by moving the latching hook by 90° (9). The fall arrest mechanism handle and the shackle can now move freely.

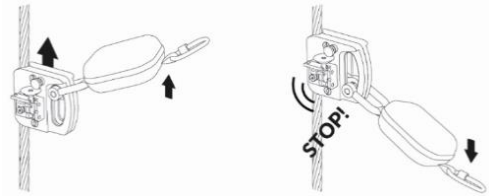


5 Checking the locks

Before starting work, check if the lock on the TRACKER is functional: try to move the housing parts away from each other - this should not be possible if the locking pin is not pulled out (3).

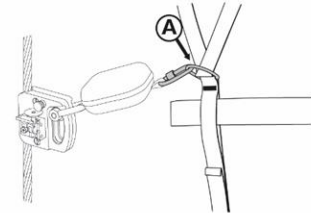


Make sure that the fall arrest mechanism lock is released. Grab the device sitting on the cable at the point where the shackle (6) connects to the end of the textile shock absorber (7) and push it up the cable. When released, the TRACKER should lock on the cable automatically and almost immediately.



6 Connecting the device to a harness

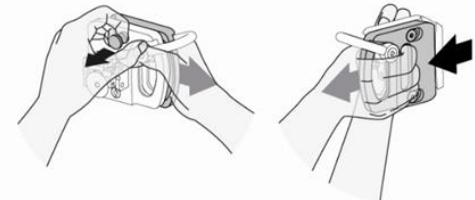
A TRACKER that has been positioned on a cable in a correct manner, should be connected to a correctly donned harness according to EN 361. Attach the ring of the textile shock absorber (8) to the bely point on the harness, marked with a capital A, using an appropriate connector conformant to EN 362.



HORIZONTAL FALL PROTECTION SYSTEM, TYPE B ACCORDING TO EN 795:2012

1. Opening the device.

Hold the TRACKER in your right hand and, using the fingers of your free left hand, pull the locking pin away by pulling on the knurled bolt (3). Keep the locking pin (3) away and move the moving part of the housing (2) by bending the fingers of your right hand and pressing the thumb against the connector of the fall arrest mechanism lock.



2. Placing the device on the cable.

Grab the device with both hands: pull the locking pin away (3) with your left hand and the moving part of the housing (1), (2). Place the device on the cable by sliding the cable into the opened slot between the housing parts.



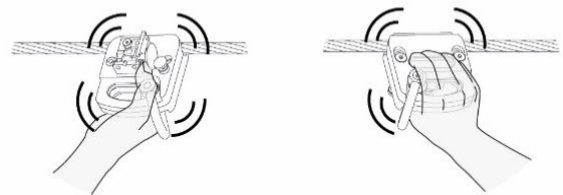
3. Closing the device on the cable.

After having placed the device on the cable, release the locking pin (3), straighten the fingers of your right hand and push the housing parts together using the inside of your right hand. When closing, the TRACKER will produce a characteristic click, coming from the released locking pin (3), which will now lock the housing halves (1) and (2) together.



4. Releasing the fall arrest mechanism lock.

Before starting work, check if the lock on the TRACKER is functional: try to move the housing parts away from each other - this should not be possible if the locking pin is not pulled out (3).



PLACING THE DEVICE ON A CABLE – HORIZONTAL FALL PROTECTION SYSTEM, TYPE C ACCORDING TO EN 795:2012

TRACKER

Clip the device into the cable at any point of the system, as described in the section Vertical fall protection system with a rigid anchor line – according to EN 353-1:2018.

TRACKER BLOCK

Clip the device into the cable through an exit/entry point only, as described in the section Vertical fall protection system with a rigid anchor line – according to EN 353-1:2018, if the entry/exit point is located within the horizontal segment of the fall protection system.

It is also possible to use both the TRACKER and the TRACKER BLOCK in fall protection systems comprising both horizontal and vertical segments.

It is necessary to clip the fall arrester into the system before climbing onto the roof via the vertical part of the system.

To clip the TRACKER or TRACKER BLOCK into the cable, proceed as described in the section Vertical fall protection system with a rigid anchor line – according to EN 353-1:2018.

A "mixed" fall protection system, providing continuous belay, can also comprise a vertical part with a flexible anchor line and a free hanging deadweight anchor at the end. In this case, seeing as there is no exit/entry point provided, only the TRACKER can be used.

The TRACKER BLOCK can only be used with a flexible anchor line in the vertical if the tensioner is equipped with an appropriate exit/entry point.

USING THE DEVICE – VERTICAL FALL PROTECTION SYSTEM WITH A RIGID ANCHOR LINE ACCORDING TO EN 353-1:2018

TRACKER

- A rigid anchor line of the vertical fall protection system, designed to work with the TRACKER device, is made of a stainless steel cable 7 x 19, diameter 8 or 10 mm.
- The upper end of the cable is fixed rigidly at the upper anchor point (top of the ladder), which uses a cable guide bracket. The cable guide bracket is either sealed off at the top or equipped with an upper stopper – a rotating cam – which prevents the TRACKER from detaching from the system.
- The lower end of the rigid guideline is anchored at the bottom of the ladder. It is fixed with a tensioner attached to the bottom anchor point.
- If not done earlier, connect the TRACKER sitting on the cable with the sternal point on the harness, using a connector.
- Make sure that the fall arrest mechanism lock is released. Now you can get on the ladder and start climbing, pulling the TRACKER along.
- For more control over the device, put the left hand under the lanyard, so that it rests on the forearm.

TRACKER BLOCK

- The TRACKER BLOCK variant of the fall arrester can work with the same types of anchor lines as the TRACKER, i.e. steel cables 7 x 19, 8 or 10 mm diameter.
- The upper end of the anchor line is fixed and fitted in the same manner as for the TRACKER.
- The bottom end of a rigid anchor line for the TRACKER BLOCK is fixed to one point at the bottom of the ladder, the lower anchor point (end point), equipped with a tensioner and a so-called exit/entry point
- The exit/entry point is equipped with a gravitational stopper with a similar structure – using a cam with a gravitational locking mechanism. This makes it possible to slide the TRACKER BLOCK onto the cable from below and prevents it from falling off.
- If the bottom anchor point is very low, first place the TRACKER BLOCK on the cable and then attach it, using a connector, with the sternal point on the harness.
- Make sure that the fall arrest mechanism lock is released. Now you can get on the ladder and start climbing, pulling the TRACKER BLOCK along. For more control over the device, put the left hand under the lanyard, so that it rests on the forearm.

USING THE DEVICE – VERTICAL FALL PROTECTION SYSTEM WITH A FLEXIBLE ANCHOR LINE ACCORDING TO EN 353-2:2005

TRACKER

- A flexible anchor line of the vertical fall protection system, designed to work with the TRACKER device, is made of a stainless steel cable 7 x 19, diameter 8 or 10 mm.
- The upper end of the cable is fixed rigidly at the upper anchor point (top of the ladder), which uses a cable guide bracket. The cable guide bracket is either sealed off at the top or equipped with an upper stopper – a rotating cam – which prevents the TRACKER from detaching from the system.
- The lower end can terminate in a free hanging deadweight anchor, a bottom anchor point and tensioner or a simple anchor point and ring.
- Thanks to its housing being able to open and close, the fall arrest device TRACKER can be clipped in or out of the anchor line at any point of the system. Connect the TRACKER to the sternal point on the harness to start using it.
- Make sure that the fall arrest mechanism lock is released. Now you can get on the ladder and start climbing, pulling the TRACKER along.
- For more control over the device, put the left hand under the lanyard, so that it rests on the forearm.

TRACKER BLOCK

- In this variant, the fall arrest device can only work with the flexible anchor line if the tensioner at the bottom anchor point is equipped with an entry/exit point, making it possible for the TRACKER BLOCK to be slid onto the vertical cable.

USING THE DEVICE – HORIZONTAL FALL PROTECTION SYSTEM, TYPE C ACCORDING TO EN 795:2012

TRACKER

The Vertical & Horizontal lifeline:

- The Vertical-Horizontal lifeline system combines vertical and horizontal lifeline segments, allowing the Operator to be constantly protected while working, without the need to detach and reattach their personal fall arrest equipment.
- The Operator enters the vertical—horizontal lifeline system while still standing on ground level. They need to be equipped with an appropriate safety harness, containing both a front and dorsal attachment point.
- Using a connector, attach a self-retracting lifeline to the dorsal attachment point of the harness, the one marked with "A".
- Using a connector and a textile shock absorber, attach the TRACKER fall arrester to the front attachment point of the harness, marked with "A".
- Lock the fall arresting mechanism according to the Manual – the cam of the fall arresting mechanism will retract into the inside of the body, making it easier to attach the device to the cable.
- Open the TRACKER by pulling back the locking pin and sliding the device halves apart; put the device over the cable and close it back.
- Release the fall arrest mechanism lock Get up on the ladder and start climbing, pulling the TRACKER along.
- For more control over the device, put the left hand under the lanyard, so that it rests on the forearm.
- After reaching the top of the ladder, the TRACKER that moves along with the operator also reaches the Upper End Lock, which is the end point of the vertical segment of the system.
- After passing through the Upper End Lock, the fall arrester will slide over the bent portion of the cable, hereafter referred to as the Corner Pass-Through.
- A Corner Pass-Through is where the steel cable changes direction from vertical to horizontal; the continuity of the system is always maintained, as is the fall prevention.
- Having passed through the Corner Pass-Through, the TRACKER moves over a component designed to switch the locking mechanism of the fall arrester. Its function and role will be described further in the Manual.
- As soon as the TRACKER fall arrester is positioned on the horizontal segment of the cable and before commencing work, the Operator must perform a changeover of their PPE to position it correctly and lock the fall arresting mechanism of the TRACKER.
- To change the setup of the personal fall arrest system, grab the connector belonging to the self-retracting lifeline or lanyard connected to the dorsal attachment point on the harness and connect the hook to a textile shock absorber lanyard.
- Detach the textile shock absorber from the front attachment point on the harness, leaving only a carabiner attached.
- Having changed from one part of the lifeline to the other (from vertical to horizontal) the Operator must lock the fall arrest mechanism of the TRACKER.
- When the fall arrest mechanism is locked, the locking switch prevents the movement of the handle and allows the TRACKER to freely move in both directions on the horizontal lifeline.
- The Operator can now enter the roof/platform and start using the horizontal fall protection system.
- The first segment of the horizontal lifeline is usually the segment of stainless-steel cable tensioned between the Corner Pass-Through at the Upper Anchor Point and an intermediate anchor point (a simple straight cable guide placed on a support post), an end lock or a Turntable.
- A Turntable is a device within the system that makes it possible to create a junction and to connect a vertical segment with a horizontal one (Three-way Turntable OBR3), a crossing of two intersecting cable segments (Four-way Turntable OBR4) or a deflection of the cable to make it possible to correctly position the fall arrester on the cable (Two-way Turntable OBR2-180 or Corner Two-way Turntable OBR2-90).
- It is necessary for parts of systems to include a particular Turntable type to ensure the correct position of the TRACKER – the excentre pin always facing up – depending on which side of the cable the Operator should be moving.
- Moving from the Upper Anchor Point towards the central/main part of the horizontal lifeline, the Operator and the TRACKER accompanying them approach the Three-way Turntable, connecting a horizontal stainless-steel cable segment tensioned between the Upper Anchor Point at the edge of the roof and the intermediate support with a horizontal segment perpendicular to it.
- The Turntable placed here is a Three-way Turntable, which serves as a junction in the system allowing for a change in the moving direction of the Operator without the need to unclip from the horizontal lifeline, thus losing protection.
- Each arm of the Turntables, whatever the type, ends in a cable guide, the shape of which is consistent with the Turntable type and which is the end/start point of the given cable segment. Before commencing work, make sure that the cable is sitting correctly and tightly in every cable guide on every arm of the Turntable!
- Before sliding the TRACKER into the Turntable, remove the fabric protective cover!
- When approaching the arm of a Turntable, the Operator can grab the lanyard or the connector of the self-retracting lifeline to make it easier for the TRACKER to slide onto the cable guide.
- Moving further, the Operator makes the TRACKER move over the Turntable towards its centre ring. The ring contains a rotating disc supported by a slide bearing. This disc in turn supports a special type of cable guide.

TRACKER

- The centre of the Turntable houses a special cable guide, which changes the direction of the TRACKER's movement. Slide the TRACKER onto the central cable guide when passing the centre ring of the Turntable. If the position of the TRACKER is not aligned with the external cable guide – the tubes are not arranged in one line – the Operator is allowed to manually adjust the position of the rotating disc.
- With the TRACKER in the centre of the Turntable, the Operator pulls the lanyard or the connector of the self-retracting lifeline, thus moving the central cable guide with the TRACKER on it.
- After the device has been rotated accordingly, the Operator chooses their desired travel direction and continues, using one of the cable segments leading away from the Turntable. The TRACKER follows, leaving the Turntable.
- When using the TRACKER, all intermediate anchors, Turntables, corners etc. within the Vertical/Horizontal lifeline system are strictly pass-through, allowing the TRACKER to move freely along the horizontal segments of the cable without the need to unclip, thus losing protection.
- Having completed the work at height (on the roof or platform), the Operator follows the horizontal cable towards the exit point, keeping the TRACKER attached.
- It is both reasonable and necessary to install a Turntable at the exit point of the horizontal part of the system, where the descent begins. Thanks to the rotating central cable guide, it is possible to put the Tracker in the correct position before entering the vertical part of the system.
- Before entering the last horizontal segment (max. slope - 15°), use the Turntable to position the TRACKER on the cable in such a way that the fixed half of its casing – the one housing the excentre pin – faces up.
- After passing through a Turntable, remember to put the protective cover over it!
- After passing through a Turntable and facing the edge of the roof/platform and the ladder, the Operator should have the steel cable on their RIGHT-hand side!
- When approaching the edge, the user should always be belayed by means of an SRL connected to the dorsal point on the harness and to the shock absorber of the TRACKER moving along the cable.
- When entering the vertical part of the system, the Operator should use the hatch/landing platform at the top of the ladder – if available. If not.
- Standing on the hatch cover/landing platform, perform a change-over of the fall arrest PPE.
- Use a carabiner to connect the ring of the TRACKER to the front belay point on your harness.
- Remove the hook of the self-retracting lanyard from the ring of the TRACKER. Let the lanyard fully retract or attach the hook to one of the gear loops on your harness.
- Before descending, the Operator, while still standing on the landing platform of the ladder (if available) moves the TRACKER over the Fall Arrest Mechanism Locking Switch. The Locking Switch is attached to the horizontal Cable Guide at the top of the Corner Pass-Through, where the cable changes direction from horizontal to vertical.
- The Fall Arrest Mechanism Locking Switch is made of sheet metal and almost C-shaped. The Locking Switch is perpendicular to the cable, and, therefore, also to the movement direction of the TRACKER.
- As the TRACKER moves over the horizontal Cable Guide at the top of the Corner Pass-Through, the Fall Arrest Mechanism Locking Switch is positioned in the way of the TRACKER's cam arm.
- When the TRACKER is moving along the horizontal part of the Vertical/Horizontal lifeline, its cam arm is perpendicular to the body of the device. As the TRACKER meets the Fall Arrest Mechanism Locking Switch, the cam arm changes its position by 90° and becomes parallel to the body of the device. No action is needed from the Operator. The Fall Arrest Mechanism Lock is released, and the auto-locking function of the TRACKER is once again active along the vertical part of the system.
- The cam arm can be locked in position with a rotatable hook.
- Guide the TRACKER over the curve of the steel cable as it changes direction from horizontal to vertical and move the fall arrester over the Upper End Lock. All of these can be carried out while holding the TRACKER with one hand.
- Pass the hatch/cover of the landing platform (if available) and close it afterwards. Begin moving down the ladder.
- When on the ground, detach the fall arrester from the cable as described in the Manual.
- When the Operator has disconnected their PPE from the cable, their work with the Vertical/Horizontal system is finished.

TRACKER BLOCK

The Vertical & Horizontal lifeline:

The TRACKER BLOCK fall arrester is basically used with the Vertical/Horizontal lifeline in a similar way to the TRACKER.

However, two differences should be pointed out and kept in mind:

- Since the TRACKER BLOCK's housing cannot be opened, it's only possible to use the device with Vertical/Horizontal lifeline systems where an Entry/Exit Fitting is present, allowing the Operator to attach and detach the device correctly.
- Since the TRACKER BLOCK's housing cannot be opened, it's only possible to use the device with Vertical/Horizontal lifeline systems where the end and intermediate supports are fitted with pass-through brackets, allowing the Operator to move the fall arrester over them..

USING THE DEVICE – A MOBILE ANCHOR POINT,, TYPE B ACCORDING TO EN 795:2012

TRACKER

An external horizontal fall protection system conformant to EN 795-C:2012, using an 8/10 mm steel cable.

Before commencing work, equip a self-retracting lanyard, attaching it to the dorsal point on the harness.

Attach the hook at the end of the cable/webbing tape of a self-retracting lanyard to the ring on the shock absorber of the TRACKER. The SRL is connected to the dorsal point on the harness..

- While belayed and following the manual (3.2), clip the TRACKER into the horizontal anchor line.
- Make sure that the position of the device is correct.
- Make sure that the fall arrest mechanism is locked, so that the TRACKER can freely move in both directions on the cable. The cam arm and lever head has to be positioned perpendicular to the housing. It should be locked using a latching hook.
- Check the connection between the device's housing and the shock absorber and the shock absorber and the connector of the SRL.
- Proceed with work as normal.
- In a horizontal anchor line system various solutions might be used where the anchor line is fixed to support posts, both end posts and intermediate posts.

For TRACKER it is best to use intermediate cleats of a diameter allowing the device to pass over them.

If another type of support is used, eg. rings or forks, when approaching such an intermediate point it will be necessary to change over from one side of it to the other; therefore either losing belay momentarily or using another fall arrest device as backup.

- The cleat rope guides on top of intermediate posts or corner posts usually look like metal tubes of a diameter fitting the cable used. They can also have a different shape but will be made of metal and formed accordingly to how the anchor cable runs throughout the system.
- The cleat rope guides should allow a fall arrester (slider) to pass over them freely.

- If needed, it is permitted to guide or push the fall arrester over the cleat rope guide; it is not necessary to clip it out.
- When guiding or pushing the device over the cleat, it is recommended to grab the sling of the device near the shock absorber.
- When work is completed, leave the horizontal safety system as close as possible to where you can pass over to the vertical safety system providing belay when descending from a height.
- Clip the TRACKER B out from the horizontal anchor line, following the manual and move over to the vertical part.
- Follow the manual to clip the TRACKER into the cable and activate the fall arrest lock. To do it, unlock the cam arm by rotating the hook and position it perpendicular to the housing.
- Use a connector to attach the ring on the textile shock absorber to the sternal point on the harness.
- Remove the hook of the self-retracting lanyard from the ring of the shock absorber and clip it into one of the gear loops on your harness.
- Make sure that the fall arrest mechanism lock is activated. Now you can get on the ladder and start descending, pulling the TRACKER along.
- For more control over the device, put the left hand under the lanyard, so that it rests on the forearm.

TRACKER BLOCK

An external horizontal fall protection system conformant to EN 795-C:2012, using an 8/10 mm steel cable.

The TRACKER BLOCK fall arrester is basically used with the horizontal lifeline in a similar way to the TRACKER.

However, two differences should be pointed out and kept in mind:

- The housing of the TRACKER BLOCK is permanently closed; due to this, it's necessary to use a so-called exit/entry point to attach the device to the cable and introduce it to the fall protection system. It's only possible to attach/detach the device in those entry/exit points.
- The housing of the TRACKER BLOCK is permanently closed; due to this, it can only be used with systems where cable supports are fitted with cleats, over which the fall arrester can slide freely

USING THE DEVICE – HORIZONTAL FALL PROTECTION SYSTEM, TYPE C ACCORDING TO EN 795:2012

TRACKER

A horizontal fall protection system is a type C anchor device, conformant to EN 795:2012 and comprises a horizontal anchor line tensioned between intermediate and end anchor points, with a maximum deviation from the horizontal of up to 15°.

TRACKER

- The TRACKER fall arrester works with horizontal anchor lines comprising a steel cable with a diameter of 8 mm.
- Thanks to its housing being able to open and close, the fall arrest device TRACKER can be clipped in or out of the anchor line at any point of the system. Follow the steps described in 3.2. for fall protection systems.

The TRACKER fall arrest device can be used with existing horizontal fall protection systems or with the dedicated Vertical/Horizontal fall protection system from Rock Master.

TRACKER BLOCK

A horizontal fall protection system is a type C anchor device, conformant to EN 795:2012 and comprises a horizontal anchor line tensioned between intermediate and end anchor points, with a maximum deviation from the horizontal of up to 15°.

TRACKER BLOCK

- The TRACKER BLOCK fall arrester works with horizontal anchor lines comprising a steel cable with a diameter of 8 mm.
- The housing of the TRACKER BLOCK is permanently closed; due to this, it's necessary to use a so-called exit/entry point to attach the device to the cable and introduce it to the fall protection system. It's only possible to attach/detach the device in those entry/exit points.
- Apart from its housing being permanently sealed, the TRACKER BLOCK fall arrest device has the same qualities as the TRACKER and can be used with existing horizontal fall protection systems or with the dedicated Vertical/Horizontal fall protection system from Rock Master.

TRACKER/TRACKER BLOCK – USER'S LOGBOOK

The owner and sole user of the equipment is responsible for keeping to logbook updated and complete. Before the equipment is first issued, the logbook should be completed by the person responsible for stock keeping with all necessary information in regard to the equipment (name, type, serial number, date of purchase, catalogue number, the manufacturer's name). Information on periodic inspections is entered by the manufacturer or their authorized representative.

NOTE:

It is forbidden to use any PPE for which no logbook is present or is incomplete.

DEVICE NAME:	
TYPE:	SERIAL NUMBER:
MANUFACTURED BY:	
DATE OF MANUFACTURE:	FIRST USED ON:
DATE OF PURCHASE:	LAST USED ON:

INSPECTION AND REPAIR HISTORY

NUMBER	DATE	REASON	RESULT	DATE OF THE NEXT INSPECTION	INSPECTION CARRIED OUT BY (SIGNATURE)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

TRACKER/TRACKER BLOCK – INSPECTION CHECKLIST

DEVICE NAME:

TYPE:

SERIAL NUMBER:

MANUFACTURED BY:

No.	INSPECTION POINTS	YES	NO
1	General information		
	Has the inspector read the manufacturer's user manual for the product?		
	Is the lifetime of the product not exceeded? Is the last inspection still valid?		
2	Visual check		
	Is the fall arrest device complete? (the locking pin, bolt or cam arm aren't missing)		
	Is there visible wear on the fall arrest device? (abrasions, scratches, burrs, abrasion-related holes)		
	Is there visible abrasive wear on the cam part of the fall arrest mechanism visible inside? (is it even and flat or is it worn)		
	Is the connecting sling of the fall arrest device worn out?		
	Are the ends of the textile shock absorber worn out or matted?		
	Is the outside casing of shock absorber damaged or worn out (scratches, abrasions)		
	Is the impact indicator connecting webbing ends of shock absorber damaged?		
	Are the markings and labels, both etched and textile, clearly legible?		
	Is there dirt on the device or the shock absorber? (eg. dust, paint or grease, oil)		
3	Functional check		
	Function of the torsion spring on the fall arrest mechanism handle. When moving the handle of the fall arrest mechanism using a shackle, is there clear resistance from the torsion spring? After having released the grip on the handle, does it return to its initial position? (in the starting position, as set by the proper function of the torsion spring, the end part of the fall arrest mechanism handle is visible inside the device)		
	Function of the fall arrest mechanism handle When moving the handle of the fall arrest mechanism using a shackle, is the movement smooth, without the handle blocking or jamming?		
	Function of the locking pin of the cam When passing the stop halfway, is the pin able to move 180°?		
	Function of the cam The cam is at a starting position as set by the proper function of the torsion spring. When pushing the pin forward by 90°, all the way to the halfway stop, does the cam arm change position on its own?		
	Function of the fall arrest mechanism handle lock. Unlock the cam using a shackle and push against the torsion spring, moving the fall arrest mechanism handle. Does the lock activate automatically when the handle is moved using a shackle? (when locked, the end part of the fall arrest mechanism handle is not visible inside the device) Releasing the lock of the fall arrest mechanism handle Does the torsion spring release the lock automatically, when the cam is pushed manually towards the stop blocking the movement of the housing?		
	Function of the stop blocking the movement of the housing. When pulling the locking pin away from the housing, is there clear resistance from the torsion spring? When released, does the locking pin go back to initial position?		
	Moving housing parts – opening the device. Activate the fall arrest lock again. Open the device as described in the manual, by pulling back the locking pin and moving the appropriate housing part. Is there clear resistance from the torsion spring when opening the housing? Do the housing parts move freely, without jamming or blocking? When the locking pin and the grasp on the moving part of the device are released, does it go back to starting position and lock with a distinctive sound?		
	Check the condition and strength of screw connections. For TRACKER BLOCK, check the screw keeping the housing plates in place		
	Notes:	Date:	Signature:

Address:
Krolewska 94/11
30 - 079 Krakow



Contact us on:
office@rockmaster.eu
+48 12 290 30 35

TRACKER/TRACKER BLOCK – INSPECTION PROCEDURE

Fault/symptoms	Caused by	Action taken
Fall arrest device incomplete	Mechanical damage	Retire the device
Visible wear and tear – small scratches/abrasions are acceptable; not acceptable are large scratches/abrasions. burrs and visible friction marks from steel cables – retire the device.	Wear and tear	Check the manufacturer's recommendations or retire the device
End part of the fall arrest mechanism handle is worn out and its edges are rounded	Wear and tear	Replace part or retire the device*
If the shackle is worn out or damaged	Wear and tear or mechanical damage	Replace part or retire the device
Webbing of the shock absorber damaged or worn out	Wear and tear or mechanical damage	Replace part or retire the device
Impact indicator connecting webbing ends of shock absorber damaged	Mechanical damage	Retire the device
The outside casing of the shock absorber damaged or worn out	Wear and tear or mechanical damage	Retire the device
Markings and etchings are not clearly visible – retire the device	Wear and tear	Retire the device
Dirt on the device: eg. dust, paint or grease, oil, traces of caustic substances	Using the device	Clean the device as indicated by the manufacturer or, if the device was exposed to caustic substances, retire it
No resistance of the torsion spring while moving the handle of the fall arrest mechanism and/or the handle does not return to its initial position.	Torsion spring damaged or worn out	Replace part or retire the device
Limited movement of the fall arrest mechanism handle.	Fall arrest mechanism handle or locking pin damaged. Possible dirt buildup	An authorized person can disassemble the device and clean it, following the manufacturer's instructions. If damages present – replace part or retire the device
Limited movement of the hook	T lever of the lock switch damaged. Possible dirt buildup	Clean the device, following the manufacturer's instructions. Replace part or retire the device
Cam does not function correctly.	Cam spring damaged or worn out	Replace part or retire the device
Fall arrester arm does not automatically lock when moved	Switch spring or torsion spring damaged or worn out	Replace part or retire the device
Fall arrester arm does not return to starting position when cam arm activated	Cam spring or torsion spring damaged or worn out	Replace part or retire the device
Locking pin offers no resistance and does not return to starting position	Pin spring damaged or worn out, pin damage possible	Replace part or retire the device
The device does not open properly – no resistance	Locking springs damaged or worn out	Replace part or retire the device
The device does not open properly – the housing parts jam or block:	Potential dirt buildup inside, between the housing parts or mechanical damage	An authorized person can disassemble the device and clean it, following the manufacturer's instructions. If this does not improve function, mechanical damage has to be considered and the device is potentially to be retired.
The device does not close properly	Potential dirt buildup inside, between the housing parts or mechanical damage to the fixed or moving housing part. Alternatively – locking springs are damaged and/or worn out	An authorized person can disassemble the device and clean it, following the manufacturer's instructions, while checking the condition of the locking springs. If they are in working order and cleaning does not improve function, mechanical damage has to be considered and the device is potentially to be retired.
Loose bolted connections	Check for the cause/check the condition of bolts	If needed, tighten the screws (TO THE RIGHT ONLY), until there is noticeable resistance

*Please contact us for a possible quote to assess whether it seems economically viable for you to send in the device for repair.

Address:
Krolewska 94/11
30 – 079 Krakow



Contact us on:
office@rockmaster.eu
+48 12 290 30 35

TRACKER/TRACKER BLOCK – WARRANTY CARD

THANK YOU FOR PURCHASING A ROCK MASTER PRODUCT

Congratulations on the purchase of your new equipment. Please remember that to enjoy it safely and for a long time it is crucial to use it correctly, according to its design and purpose.

Should you need to use services covered by the warranty, please get in touch directly with the manufacturer or with a customer service and/or repair shop authorized by the manufacturer.

Before reaching out for service, please read the manual carefully.

DEVICE NAME:

TYPE:

SERIAL NUMBER:

MANUFACTURED BY:

DATE OF MANUFACTURE:

DATE OF PURCHASE:

WARRANTY PERIOD

12 months from purchase, until:

WARRANTY CONDITIONS

1. Rock Master sp. z o.o. sp. k. provides a 12 month warranty for the correct function of the device, starting from purchase.
2. The warranty only covers manufacturing faults.
3. Any fault discovered should be reported to the manufacturer or to a customer service and/or repair shop authorized by the manufacturer.
4. The manufacturer guarantees that any faults discovered during the warranty period will be checked at no cost and removed at no cost within 14 or 21 days since they were reported. The warranty period is extended by the time needed for repairs.
5. In case of any complaints, it is only possible to replace the faulty product if the repairs undertaken are unsuccessful and the manufacturer deems the product impossible to repair.
6. The warranty card is only valid together with proof of purchase and is the only basis for any warranty service.
7. When purchasing, you declare to have read and accepted the warranty conditions.

NOT COVERED BY THE WARRANTY

1. The product is to be used only as designed, any other use is not covered by the warranty.
2. Any repairs by unauthorized persons, tampering or modifications void the warranty.
3. Any normal wear and tear (scrapes, scratches, slight chafing of the protective or decorative coating) is not covered by the warranty.
4. The warranty does not cover normal maintenance work required for the device to function properly or inspections necessary during the warranty period.

REPAIRS

DATE OF REPORT	DATE OF REPAIRS	REPAIRS UNDERTAKEN AND/OR PARTS REPLACED	SERVICE CENTRE – SIGNATURE AND STAMP

Address:
Krolewska 94/11
30 – 079 Krakow



Contact us on:
office@rockmaster.eu
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