



User Manual

E140 / E165

Sales, Service & Contact

Evacuator Worldwide BV

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General

The EVACUATOR® descent device is a rescue device, used to escape from heights when general evacuation routes are obstructed.

Specifications

You can find the specifications of your device on the identification plate that is supplied with the device, as well as on the CE label of the device, as shown in the example on the right:

Manufacturer: Evacuator Worldwide BV www.evacuator.com	Product:  EVACUATOR® descent device	Developed & produced in the Netherlands Worldwide Patented  0158
Model & Type: E140	Serial Number:	Standards: DIN EN 341:2011/D Maximum load according to ANSI
Specifications: Minimum descending height: 6 m Maximum descending height: 140 m		Minimum load: 50 kg Per Cable Maximum load: 282 kg Per Cable 2 Cables are allowed to be used at the same time Lowest operating temperature: -32°C
 Read and understand the manual and always follow up on warnings		WARNING: EVACUATOR® descent device is meant FOR SINGLE USE ONLY

Manufacturer: Evacuator Worldwide BV www.evacuator.com	Product:  EVACUATOR® descent device	Developed & produced in the Netherlands Worldwide Patented  0158
Model & Type: E165	Serial Number:	Standards: DIN EN 341:2011/D Maximum load according to ANSI
Specifications: Minimum descending height: 6 m Maximum descending height: 165 m		Minimum load: 50 kg Per Cable Maximum load: 282 kg Per Cable 2 Cables are allowed to be used at the same time Lowest operating temperature: -32°C
 Read and understand the manual and always follow up on warnings		WARNING: EVACUATOR® descent device is meant FOR SINGLE USE ONLY



WARNING!

The label must be always present and readable!



WARNING!

This user guide provides an overview of the products supplied by Evacuator Worldwide BV. A careful effort has been made to ensure the accuracy of the information. The user's manual includes only the basic instructions and warnings.



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This user guide provides an overview of the products supplied by Evacuator Worldwide BV. A careful effort has been made to ensure the accuracy of the information. The user's manual includes only the basic instructions and warnings.



ATTENTION!

The EVACUATOR® descent device is safe to use, provided that it is serviced, installed and administered in accordance with the instructions of Evacuator Worldwide BV. Incorrect or improper use of the device, or a failure of the anchor points, may lead to serious injury or death.

In accordance with our general terms and conditions of sale, the customer is obliged to carefully read the operating instructions and safety instructions prior to any application or use of the products, in order to meet the operational, safety and warranty requirements.

The EVACUATOR® descent device by EVACUATOR Worldwide BV may only be used in case of emergency and is to be installed by an approved installer.



ATTENTION!

The device is permanently installed and left in position at the workplace in indoor environments with temperatures between -32°C and +60°C, without potentially explosive atmospheres, far away from flames, sparks or hot metal splash. Avoid contact with sharp edges, electricity, chemicals, corrosive solutions and substances, excessive heat, oils, paints or any other contaminants.

Outdoor installation only in combination with mounting case supplied by the Evacuator Worldwide BV. to protect against environmental influences and hazards.



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Safety

Safety symbols

The following symbols are important in the use of the EVACUATOR® descent device. Complying with the symbols will prevent improper use.

Notes, advice, precautions and instructions in the operator's manual are:



ATTENTION!

A note with additional information for the user. A note to alert the user to potential problems.



CAUTION!

The product may be at risk. "Caution" indicates damage to the product, if the user does not follow the procedures carefully.



WARNING!

The user may (seriously) injure themselves or cause severe damage to the product. A warning indicates damage to the user or to the product, if the user does not execute the procedures carefully.

Danger Symbols and their meaning



ATTENTION!

Hot Surface



ATTENTION!

Cutting hazard

Informational symbol



INFORMATION:

Displays notes, warnings, and tips

Prohibition symbol



PROHIBITED!

Indicates actions that are prohibited

General safety warnings



WARNING!

Use the EVACUATOR® descent device only in case of emergency and when there is no other way at all, to escape from your location.



ATTENTION!

The EVACUATOR® descent device may only be used by persons that are sufficiently trained and competent. Read, understand and follow all instructions before using the EVACUATOR® descent device.



WARNING!

The physical condition of the user may have an impact on their safety during use.



WARNING!

A rescue plan shall be in place to deal with any emergencies that could arise.



WARNING!

Any repair shall only be carried out by Evacuator Worldwide BV or his certified representative.



WARNING!

A full body harness is the only acceptable body holding device that can be used.



PROHIBITED!

Do not use the EVACUATOR® descent device when there is visible damage or wear to the device or its accessories.



PROHIBITED!

Do not use the EVACUATOR® descent device if there are visible signs of previous use.

Safety of the device



WARNING!

Check the inspection report of the EVACUATOR® descent device before use.



ATTENTION!

The device should at all times be installed by an accredited person, authorized by Evacuator Worldwide BV.



Attention!

For safety reasons, the EVACUATOR® descent device must be taken out of service immediately if there are doubts about safe use.



WARNING!

The EVACUATOR® descent device is permanent installed at a workplace and left in place.



PROHIBITED!

It is prohibited to use any combination of equipment where the function of one item is affected by or interferes with the function of another.



WARNING!

It is forbidden to make any alterations or additions to the equipment without prior written consent given by EVACUATOR® Worldwide BV.



PROHIBITED!

It is not allowed to move the EVACUATOR® descent device. It has been adjusted to the particular evacuation zone during the installation.



WARNING!

Controlled descent process is essential as it is difficult to regain control of the device if you lose control .



PROHIBITED!

It is not allowed to change the EVACUATOR® descent device or any components of it.



WARNING!

Install the device only for purposes that it is intended for.

Maintenance safety

The EVACUATOR® descent device must be replaced by a new one after it has been used.

After use, always contact a person who is accredited or authorized by Evacuator Worldwide BV for this purpose.

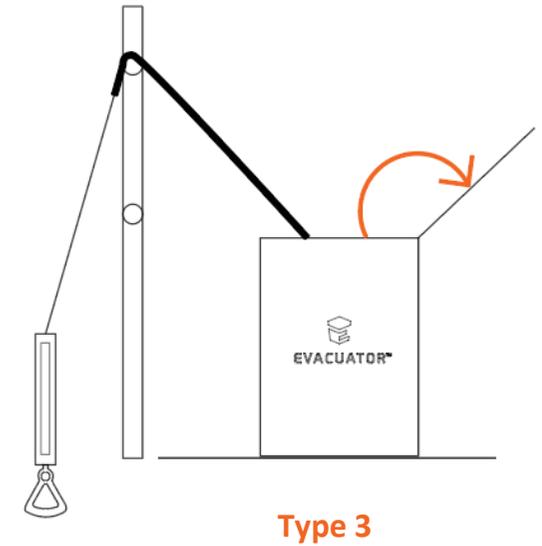
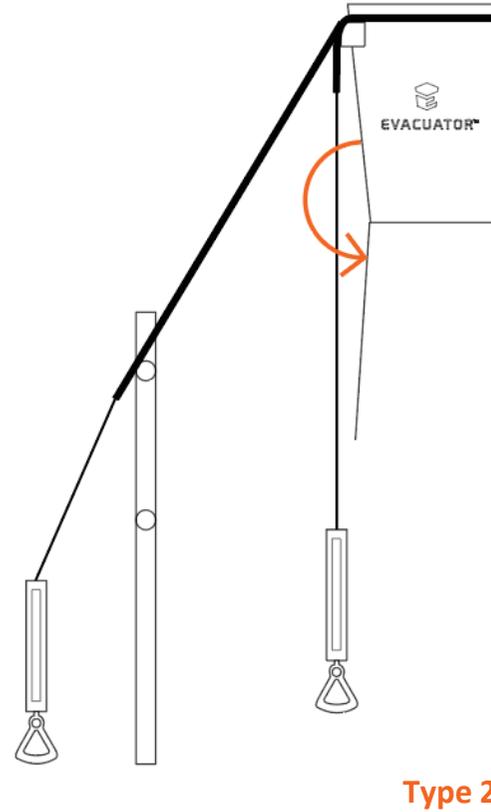
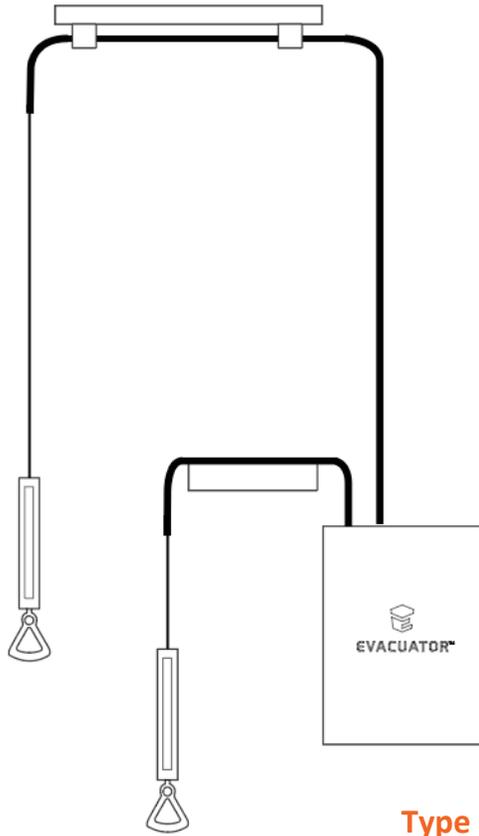
Always consult with a person, authorized or accredited by Evacuator Worldwide BV, if there are any visible signs of damage.



WARNING!

Installation and repairs may only be carried out by an accredited person or a person authorized by Evacuator Worldwide BV.

Determine type of installation



Check which type of installation you have and go to the corresponding page:

- | | |
|--|---------|
| Installation type 1: <i>Hook-on rings pre-installed (only indoors)</i> | Page 8 |
| Installation type 2: <i>High mounted case that opens from the front</i> | Page 14 |
| Installation type 3: <i>Low mounted case that opens from the top</i> | Page 21 |

User Manual Installation type 1

This step-by-step plan provides a directive with advice about what steps you need to follow in case of evacuation.

Step 1: Remain calm

To minimize the risk of accidents, it is important that you remain calm at all time.

Use the EVACUATOR® descent device only when regular exits, other emergency exits, and fire stairs are not accessible.



WARNING!

You should be aware at all times that the EVACUATOR® descent device is a last resort and may only be used in case of emergency.



WARNING!

In this user manual it is assumed that you are already wearing your approved safety harness with snap hook.



ATTENTION!

First check that the descending route of the EVACUATOR® descent device is accessible and free of obstacles that could obstruct the descent.

Step 2: Count how many people need to descend

Before use, determine how many people should be evacuated at the same time. The EVACUATOR® descent device E140 / E165 are both provided with 2 cable reels.

Both cable reels are allowed to be used at the same time/ simultaneously.

For example the EVACUATOR® descent device E165 is provided with two cable reels, both with a capacity to evacuate 282 Kg (multiple persons per cable).

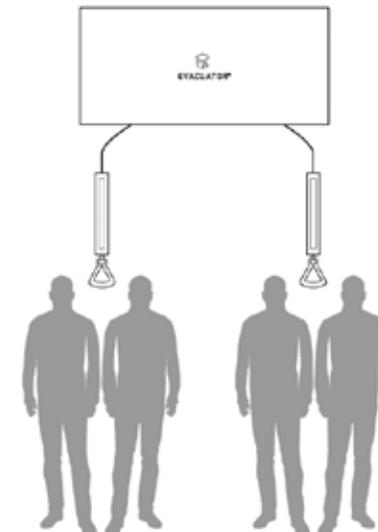
The number of persons per cable depends on the ability to simultaneously pass through the escape opening without forming a loop larger than 600 mm.

It is essential that the combined weight of the evacuated persons per cable reel remains above 50 kg and below 282 kg at all time.



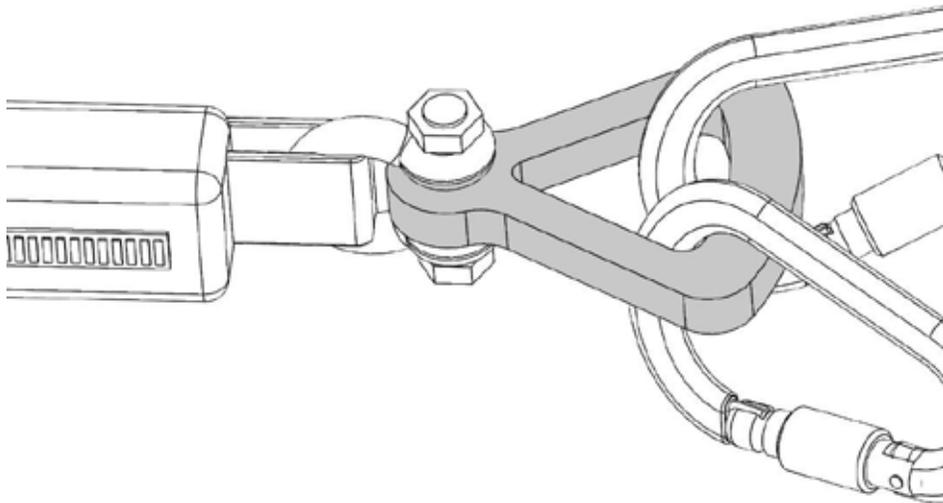
WARNING!

Preferably, the next cable reel should only be used when the users of the cable reel currently in use, are safely on the ground, have disconnected themselves from the cable and the cable reel has come to a standstill.



Step 3: Hook on yourself to the hook-on ring and check all connections

Hook on yourself (and your co-evacuees), with the snap hook of your safety harness, to the hook-on ring of the EVACUATOR® descent device. Ensure that the cable is kept as tight as possible and there is no looping.



Check if your safety harness is connected to the snap hook, that the snap hook is well secured to the hook-on ring and the hook-on ring/energy absorber is attached to the cable.

The maximum load that can be connected to the hook-on ring is 282kg.



WARNING!

The EVACUATOR® descent device may only be used with an approved safety harness.



WARNING!

Keep the cable as short as possible! Make sure the cable cannot bunch-up on the cable reel. This may lead to failures.



Avoid any looping of the cable while you place the guiding cable (Bowden cable) over the edge of the evacuation zone. This prevents the cable from having slack or getting tangled up.



WARNING!

The brake may become hot during use. Therefore, avoid contact with the brake.



PROHIBITED!

Never go below the minimum load of 50 kg per cable!
Never exceed the maximum load of 282 kilos per cable!

Step 4: Descending

Climb over the railing or onto the railing, sit down in the window opening or in the hatch and make sure that the cable is kept as tight as possible and that there is no looping of the cable. In some situations, a loop is unavoidable during this step. In that case, aim for the smallest possible loop, one that will disappear during the next step.

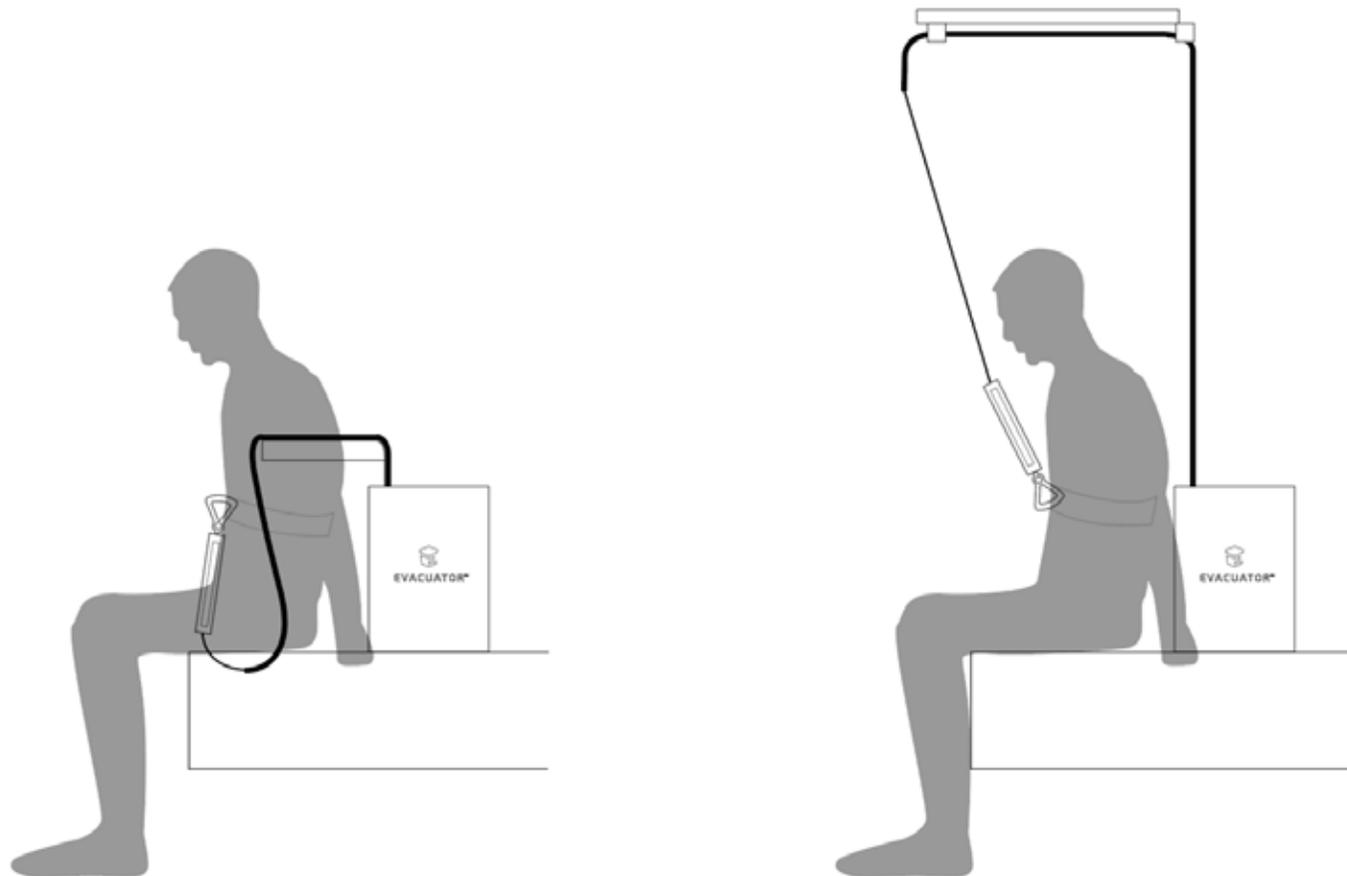
Make sure that you do not wear clothing that could obstruct your freedom of movement or entrap you during the descent. It is also recommended to tie loose hanging hair to prevent entanglement.



WARNING!

Keep the cable as short as possible! Make sure the cable cannot bunch-up on the cable reel. This may lead to failures.

Avoid any looping of the cable while you place the guiding cable (Bowden cable) over the edge of the evacuation zone. This prevents the cable from having slack or getting tangled up



Open the emergency exit and lower yourself as careful as possible over the railing, the window frame or the hatch. The thick guiding cable (Bowden cable) must be placed over any edges so that the evacuation cable is not getting damaged. In doing so, strive for an as short as possible cable without looping.



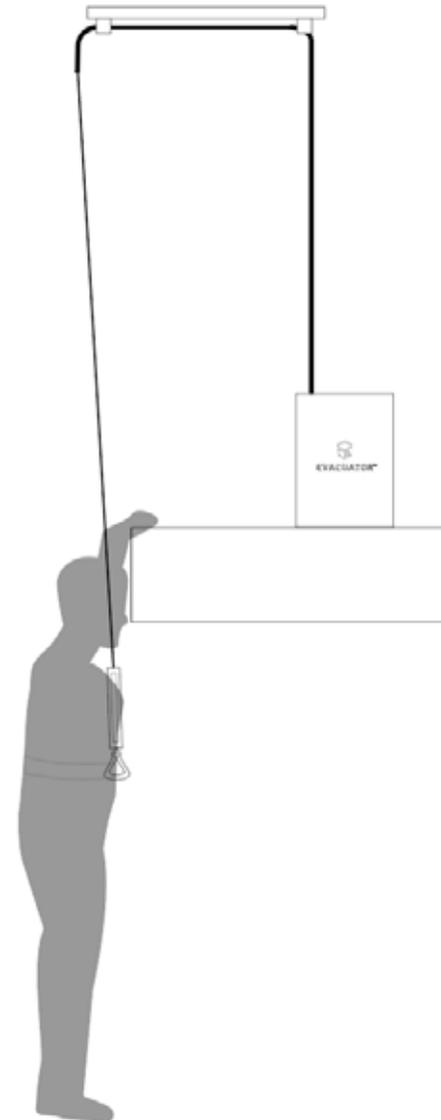
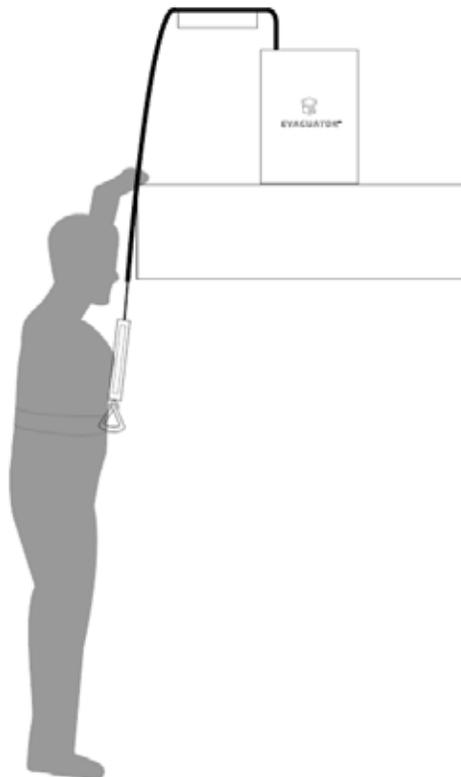
WARNING!

Make sure that the thick guiding cable (Bowden cable) is always placed over any edges so that the evacuation cable is not getting damaged!



PROHIBITED!

Never use the cable reel more than once.



Let go; preferably hold on to the cable with your hands.



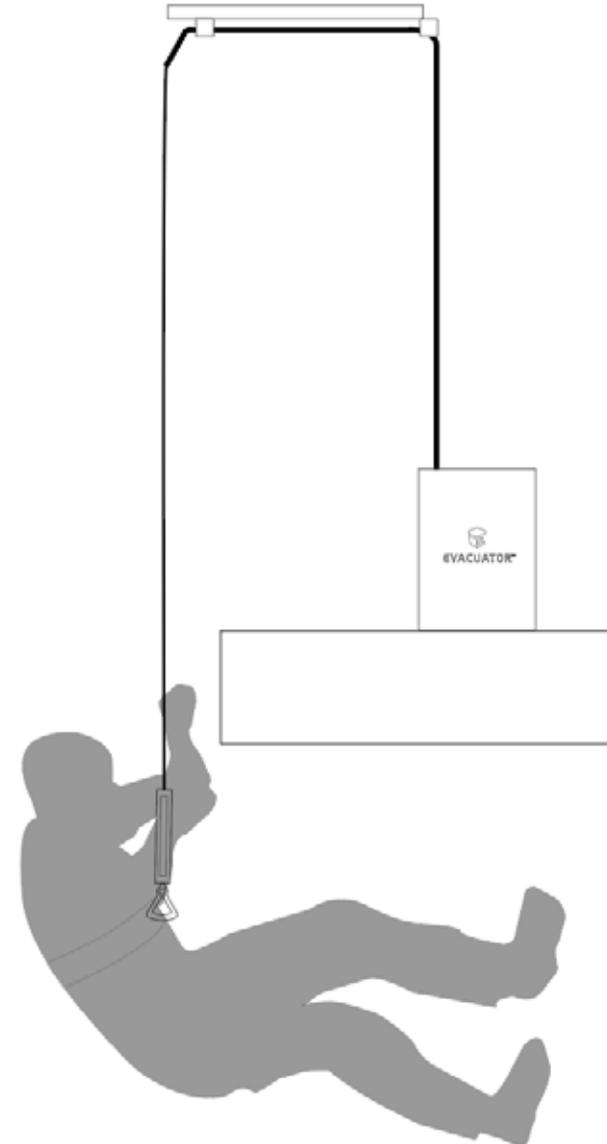
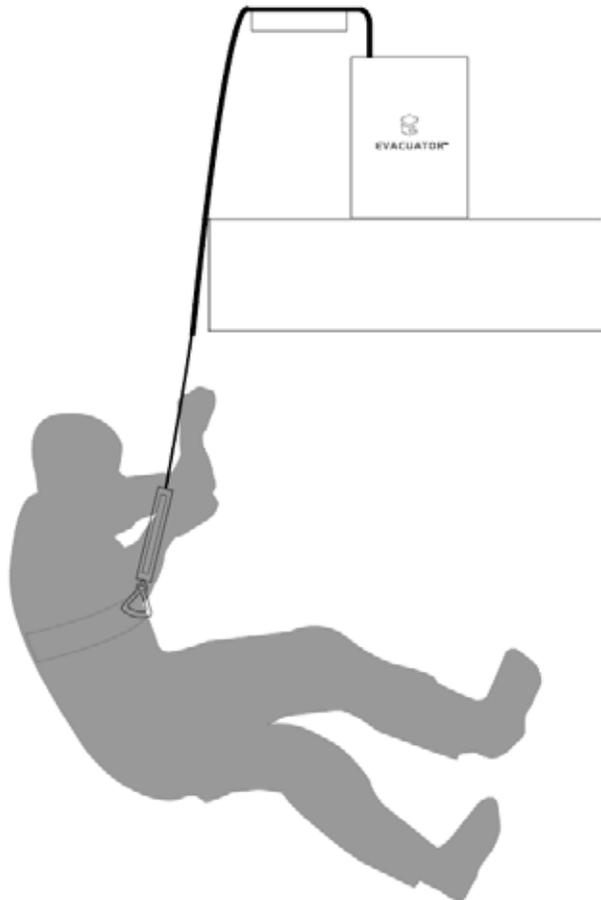
PROHIBITED!

It is not allowed to interrupt the descent between starting point and end point!



ATTENTION!

Avoid obstacles. Preferably hold on to the cable with your hands.



Push off from any walls or edges. By lowering yourself, the EVACUATOR® descent device will automatically lower you in a controlled way at low speed.

The energy absorber may stretch during the first part of the descent, allowing any fall to be absorbed at the start of the descent. The entire EVACUATOR® descent device (including Shock Absorbers) is made FOR SINGLE USE ONLY.



WARNING!

As soon as you reach the ground, disconnect the snap hook from the hook ring and remove yourself from the landing site to create space for any subsequent descents!



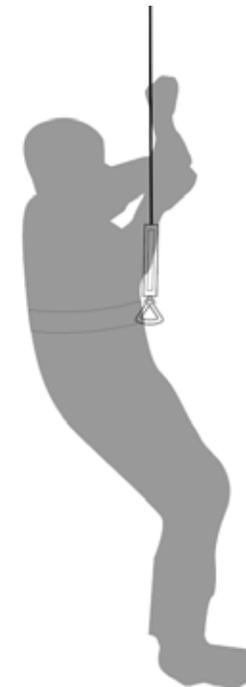
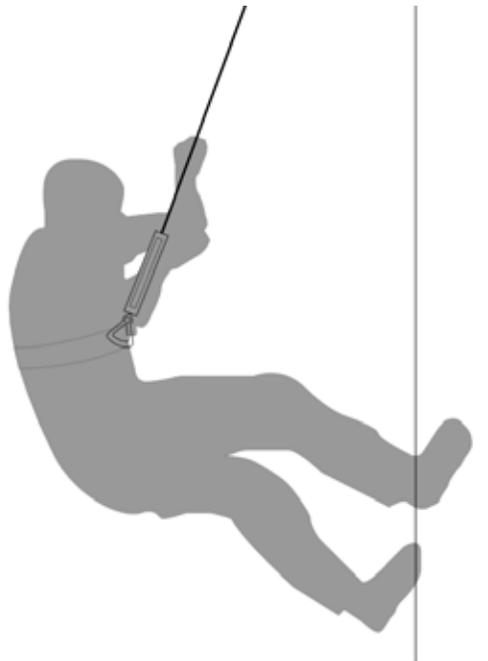
WARNING!

If possible try to stay in contact with the wall with your feet during the descent.



WARNING!

Preferably, the next cable reel should only be used when the users of the cable reel currently in use, are safely on the ground, have disconnected themselves from the cable and the cable reel has come to a standstill.



User Manual Installation type 2

This step-by-step plan provides a directive with advice about what steps you need to follow in case of evacuation.

Step 1: Remain calm

To minimize the risk of accidents, it is important that you remain calm at all time .

Use the EVACUATOR® descent device only when regular exits, other emergency exits, and fire stairs are not accessible.



WARNING!

You should be aware at all times that the EVACUATOR® descent device is a last resort and may only be used in case of emergency.



WARNING!

In this user manual it is assumed that you are already wearing your approved safety harness with snap hook.



ATTENTION!

First check that the descending route of the EVACUATOR® descent device is accessible and free of obstacles that could obstruct the descent.

Step 2: Count how many people need to descend

Before use, determine how many people should be evacuated at the same time. The EVACUATOR® descent device E140 / E165 are both provided with 2 cable reels.

Both cable reels are allowed to be used at the same time/simultaneously. For example the EVACUATOR® descent device E165 is provided with two cable reels, both with a capacity to evacuate 282 Kg (multiple persons per cable) . .

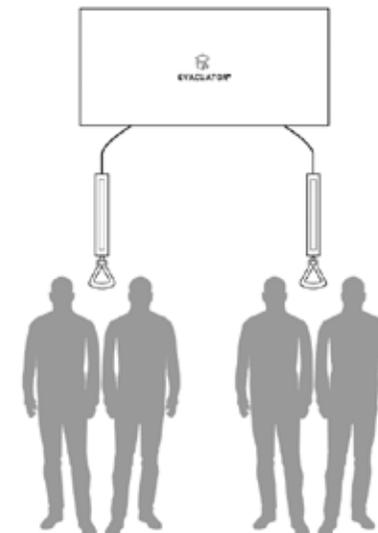
The number of persons per cable depends on the ability to simultaneously pass through the escape opening without forming a loop larger than 600 mm.

It is essential that the combined weight of the evacuated persons per cable reel remains above 50 kg and below 282 kg at all time.



WARNING!

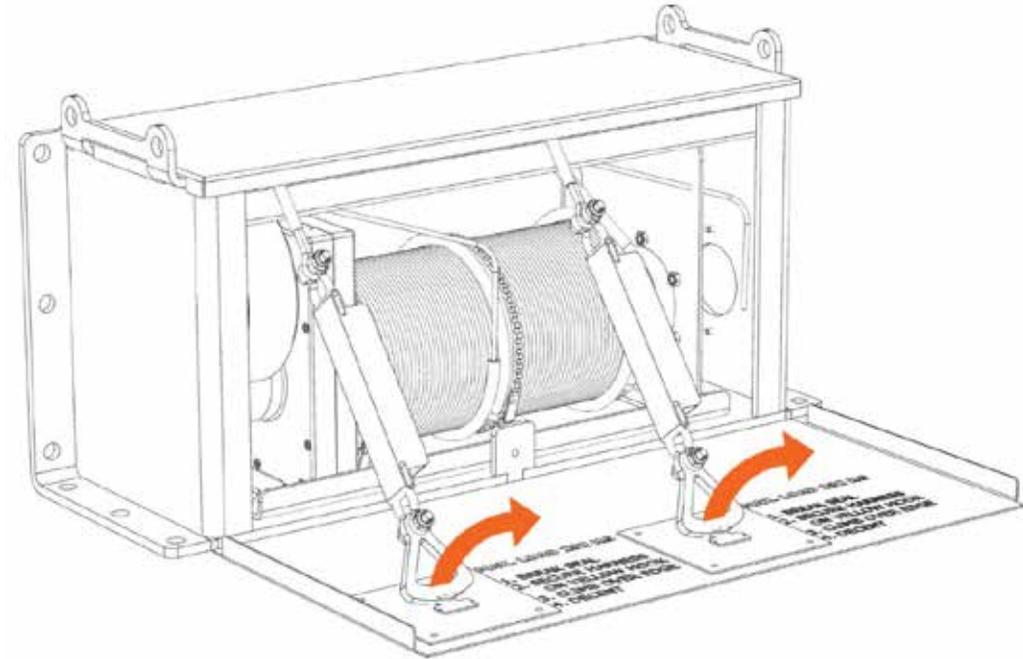
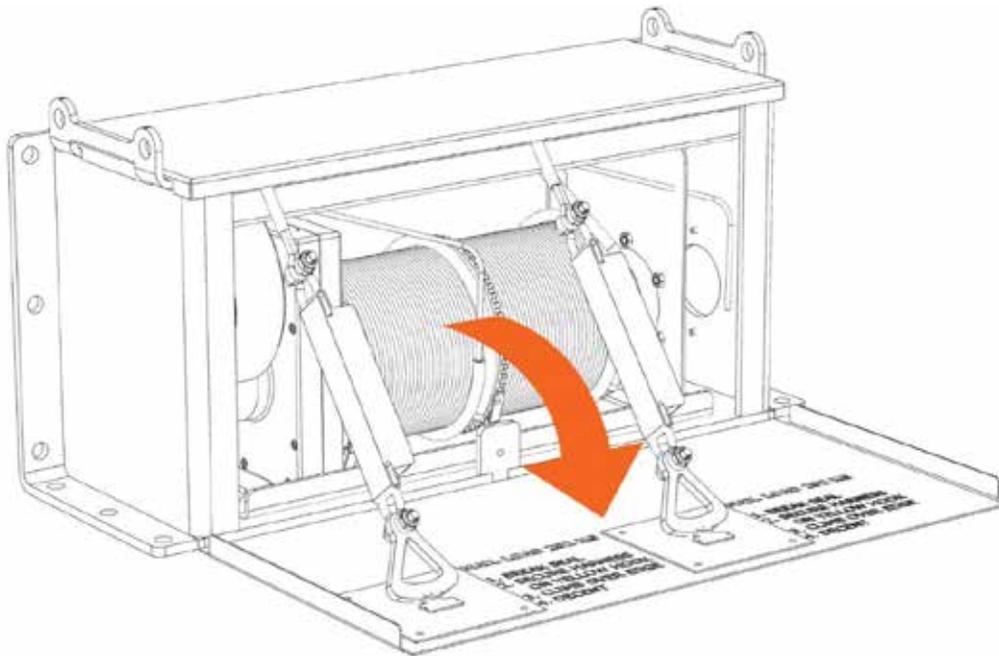
Preferably, the next cable reel should only be used when the users of the cable reel currently in use, are safely on the ground, have disconnected themselves from the cable and the cable reel has come to a standstill.



Step 3: Open the EVACUATOR® descent device

Open the front latch of the EVACUATOR® descent device.

Pull the sealed hook-on rings off the latch.

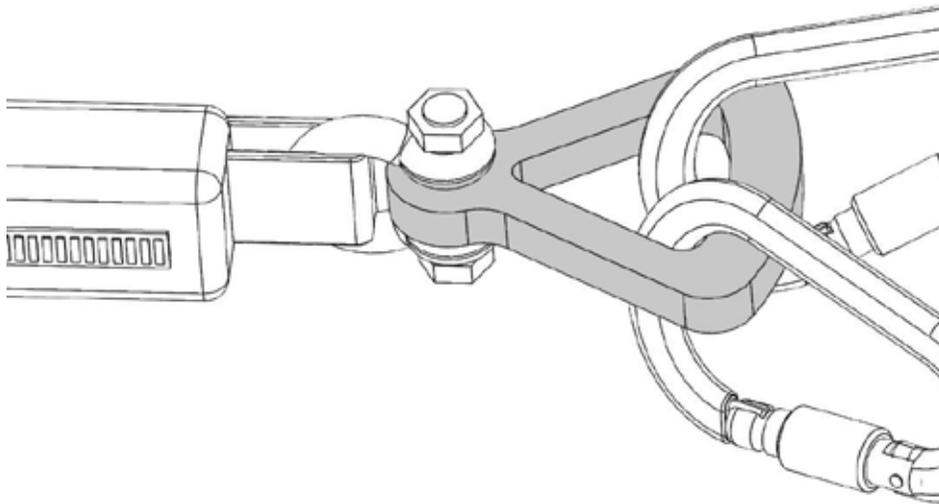


WARNING!

Use the EVACUATOR® descent device only if the cable seals are still intact!
If the seal is broken, the safety of the system cannot be guaranteed any more.

Step 4: Hook on yourself to the hook-on ring and check all connections

Hook on yourself (and any co-evacuees), with the snap hook of your safety harness, to the hook-on ring of the EVACUATOR® descent device. Ensure that the cable is kept as tight as possible and there is no looping.



Check if your safety harness is connected to the snap hook, that the snap hook is well secured to the hook-on ring and the hook-on ring/energy absorber is attached to the cable.

The maximum load that can be connected to the hook-on ring is 282kg.



WARNING!

The EVACUATOR® descent device may only be used with an approved safety harness.



WARNING!

Keep the cable as short as possible! Make sure the cable cannot bunch-up on the cable reel. This may lead to failures.



Avoid any looping of the cable while you place the guiding cable (Bowden cable) over the edge of the evacuation zone. This prevents the cable from having slack or getting tangled up



WARNING!

The brake may become hot during use. Therefore, avoid contact with the brake



PROHIBITED!

*Never go below the minimum load of 50 kg per cable!
Never exceed the maximum load of 282 kilos per cable!*

Step 5: Descending

Climb over the railing or onto the railing, in the window opening or in the hatch and ensure that the cable is kept as short as possible and that no looping occurs.

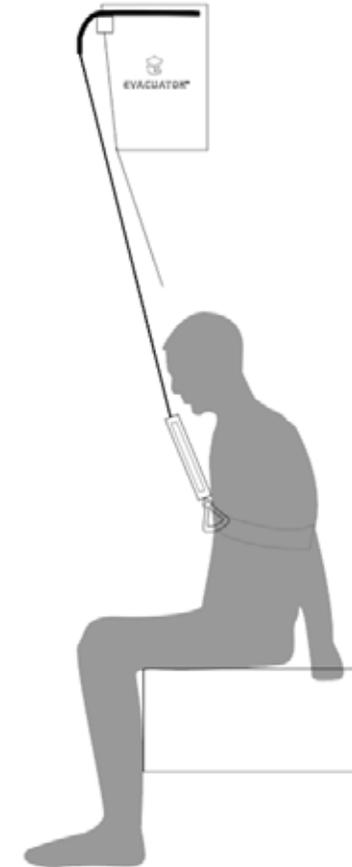
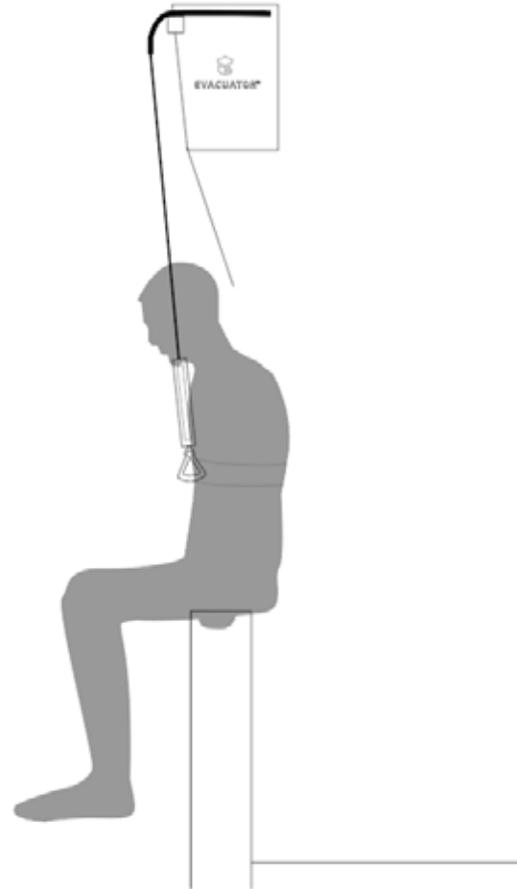
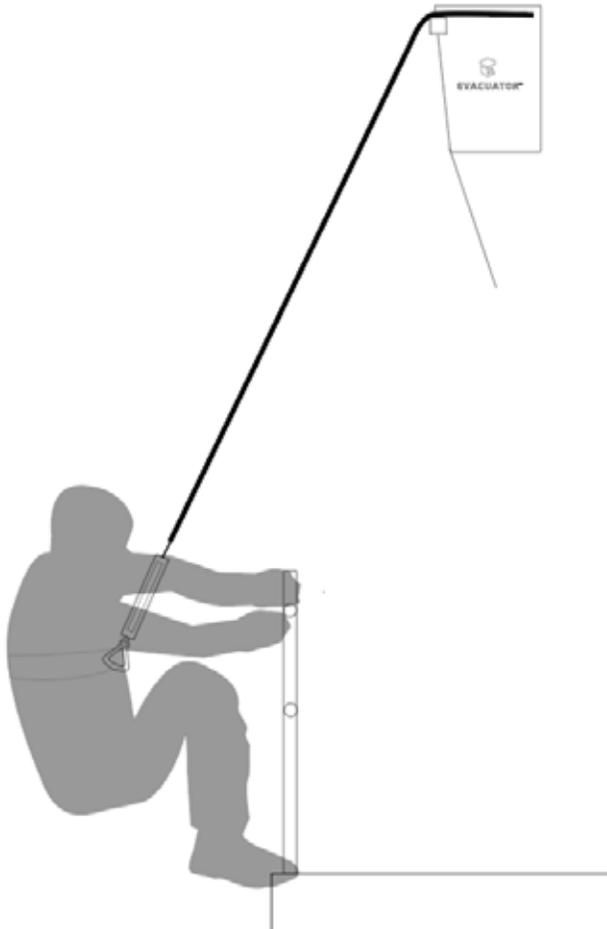
Make sure that you do not wear clothing that could obstruct your freedom of movement or entrap you during the descent. It is also recommended to tie loose hanging hair to prevent entanglement.



WARNING!

Keep the cable as short as possible! Make sure the cable cannot bunch-up on the cable reel. This may lead to failures.

Avoid any looping of the cable while you place the guiding cable (Bowden cable) over the edge of the evacuation zone. This prevents the cable from having slack or getting tangled up



Open the emergency exit and lower yourself as careful as possible over the railing, the window frame or the hatch. The thick guiding cable (Bowden cable) must be placed over any edges so that the evacuation cable is not getting damaged. In doing so, strive for an as short as possible cable without looping.



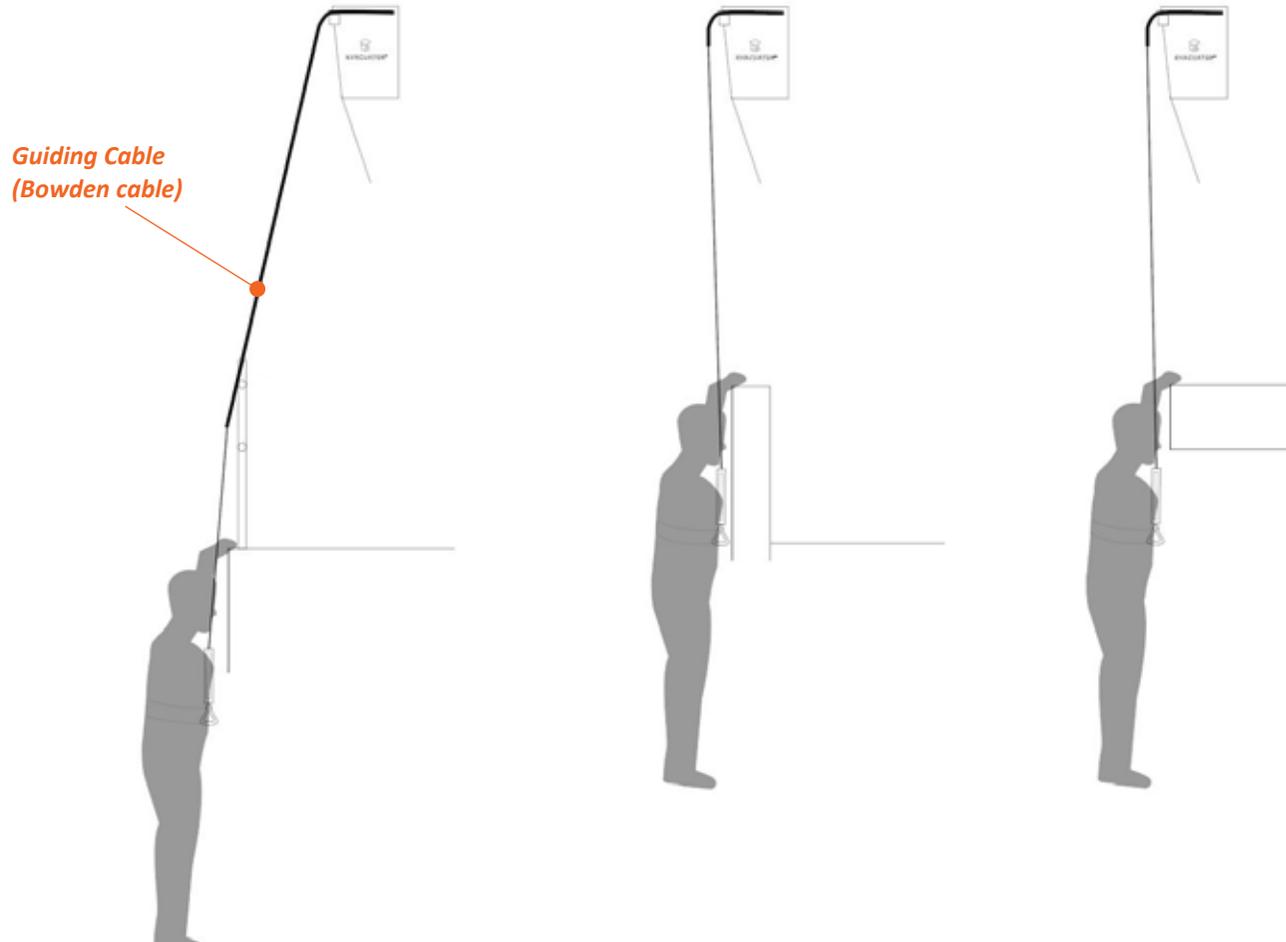
WARNING!

Make sure that the thick guiding cable (Bowden cable) is always over any edges so that the evacuation cable is not getting damaged!



PROHIBITED!

Never use the cable reel more than once.



Let go; preferably hold on to the cable with your hands.



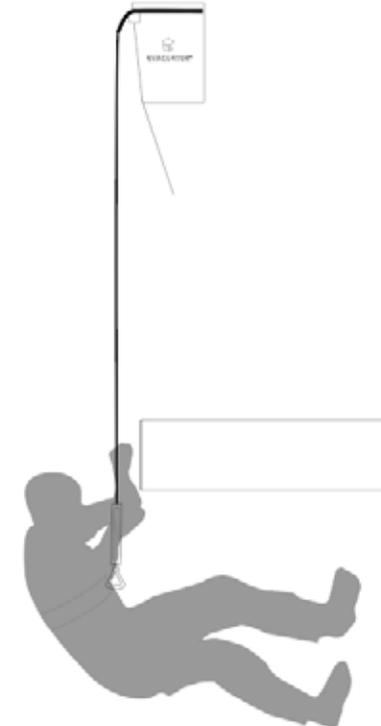
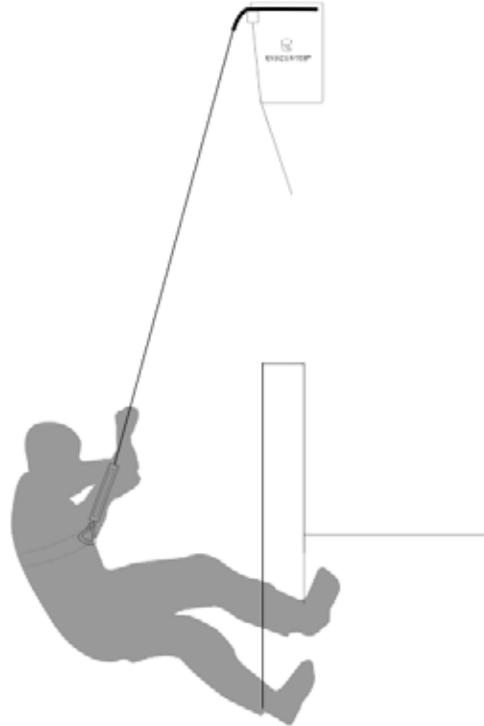
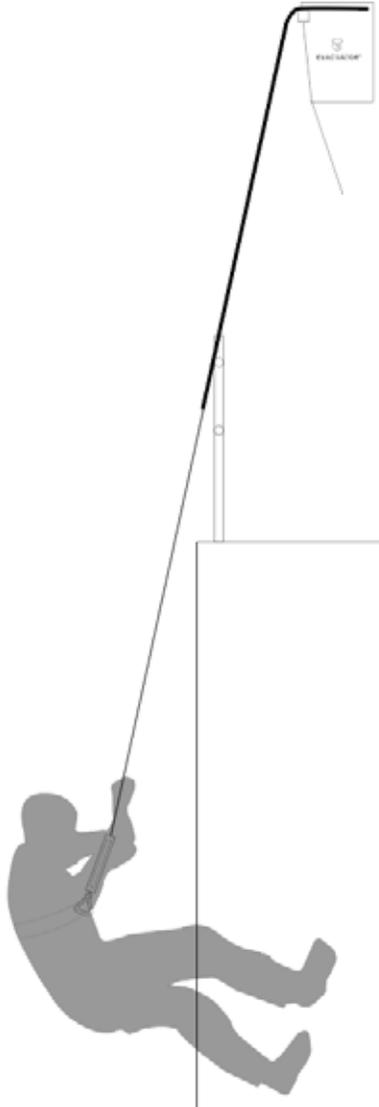
PROHIBITED!

It is not allowed to interrupt the descent between starting point and end point!



ATTENTION!

Avoid obstacles. Preferably hold on to the cable with your hands.



Push off from any walls or edges. By lowering yourself, the EVACUATOR® descent device will automatically lower you in a controlled way at low speed.

The energy absorber may stretch during the first part of the descent, allowing any fall to be absorbed at the start of the descent. The entire EVACUATOR® descent device (including Shock Absorbers) is made FOR SINGLE USE ONLY.



WARNING!

As soon as you reach the ground, disconnect the snap hook from the hook ring and remove yourself from the landing site to create space for any subsequent descents!



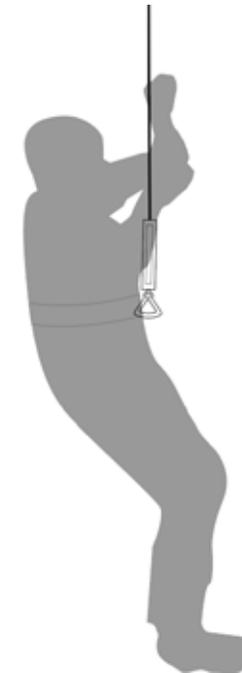
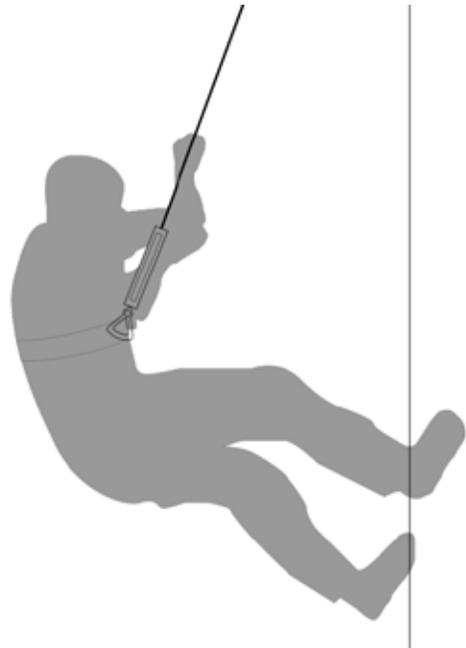
WARNING!

If possible try to stay in contact with the wall with your feet during the descent.



WARNING!

Preferably, the next cable reel should only be used when the users of the cable reel currently in use, are safely on the ground, have disconnected themselves from the cable and the cable reel has come to a standstill.



User Manual Installation type 3

This step-by-step plan provides a directive with advice about what steps you need to follow in case of evacuation.

Step 1: Remain calm

To minimize the risk of accidents, it is important that you remain calm at all time .

Use the EVACUATOR® descent device only when regular exits, other emergency exits, and fire stairs are not accessible.



WARNING!

*You should be aware at all times that the EVACUATOR® descent device is a **last resort** and may only be used in case of emergency.*



WARNING!

In this user manual it is assumed that you are already wearing your approved safety harness with snap hook.



ATTENTION!

First check that the descending route of the EVACUATOR® descent device is accessible and free of obstacles that could obstruct the descent.

Step 2: Count how many people need to descend

Before use, determine how many people should be evacuated at the same time. The EVACUATOR® descent device E140 / E165 are both provided with 2 cable reels.

Both cable reels are allowed to be used at the same time/simultaneously. For example the EVACUATOR® descent device E165 is provided with two cable reels, both with a capacity to evacuate 282 Kg (multiple persons per cable).

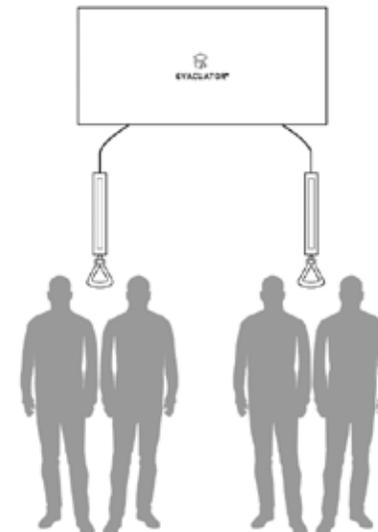
The number of persons per cable depends on the ability to simultaneously pass through the escape opening without forming a loop larger than 600 mm.

It is essential that the combined weight of the evacuated persons per cable reel remains above 50 kg and below 282 kg at all time.



WARNING!

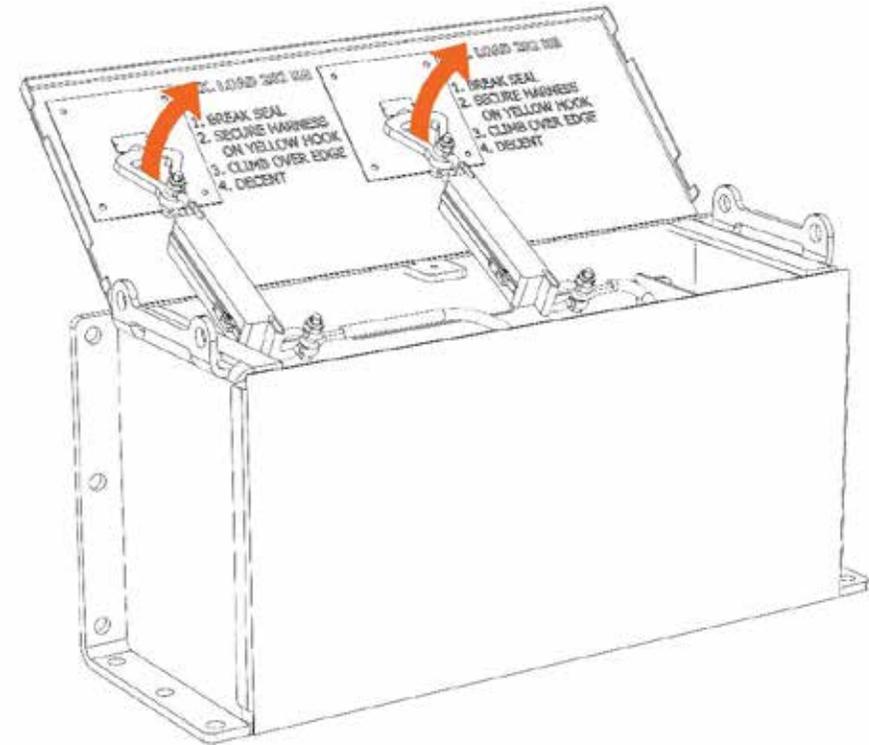
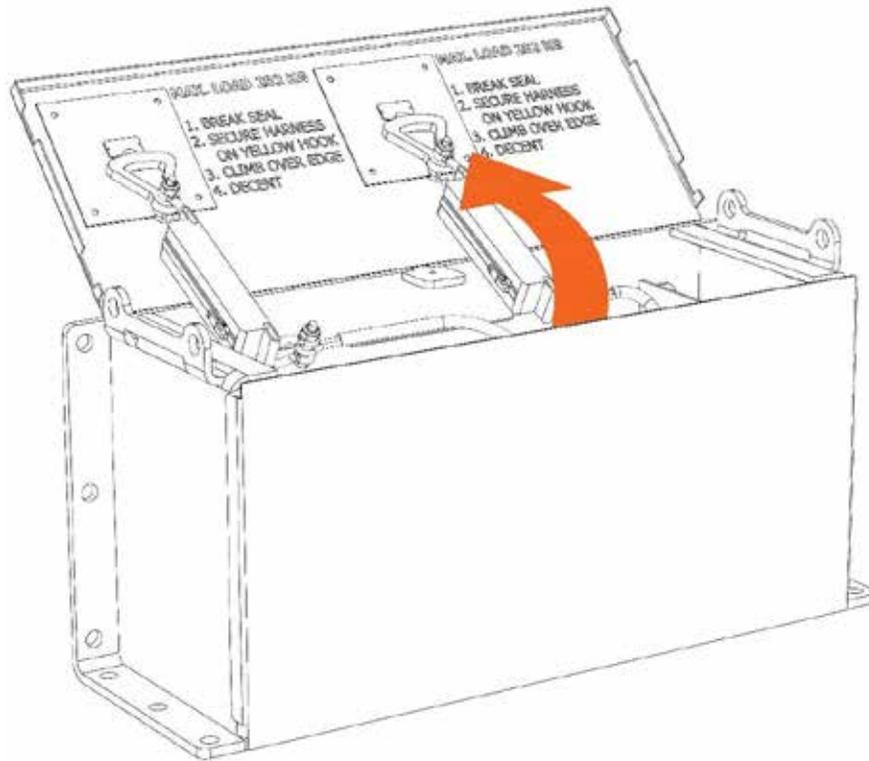
Preferably, the next cable reel should only be used when the users of the cable reel currently in use, are safely on the ground, have disconnected themselves from the cable and the cable reel has come to a standstill.



Step 3: Open the EVACUATOR® descent device

Pull the latch at the top of the EVACUATOR® descent device open.

Pull the sealed hook-on rings off the latch.

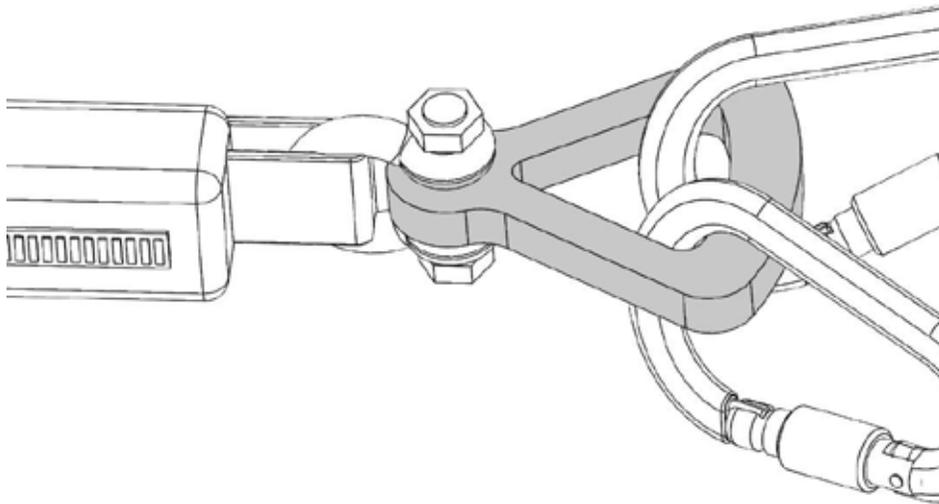


WARNING!

Use the EVACUATOR® descent device only if the cable seals are still intact!
If the seal is broken, the safety of the system cannot be guaranteed any more.

Step 4: Hook on yourself to the hook-on ring and check all connections

Hook on yourself (and your co-evacuees), with the snap hook of your safety harness, to the hook-on ring of the EVACUATOR® descent device. Ensure that the cable is kept as tight as possible and there is no looping.



Check if your safety harness is connected to the snap hook, that the snap hook is well secured to the hook-on ring and the hook-on ring/energy absorber is attached to the cable.

The maximum load that can be connected to the hook-on ring is 282kg.



WARNING!

The EVACUATOR® descent device may only be used with an approved safety harness.



WARNING!

Keep the cable as short as possible! Make sure the cable cannot bunch-up on the cable reel. This may lead to failures.



Avoid any looping of the cable while you place the guiding cable (Bowden cable) over the edge of the evacuation zone. This prevents the cable from having slack or getting tangled up



WARNING!

The brake may become hot during use. Therefore, avoid contact with the brake



PROHIBITED!

*Never go below the minimum load of 50 kg per cable!
Never exceed the maximum load of 282 kilos per cable!*

Step 5: Descending

Climb over the railing or onto the railing, in the window opening or in the hatch and ensure that the cable is kept as short as possible and that no looping occurs. In some situations, a loop is unavoidable during this step. In that case, aim for the smallest possible loop, that will be gone during the next step.

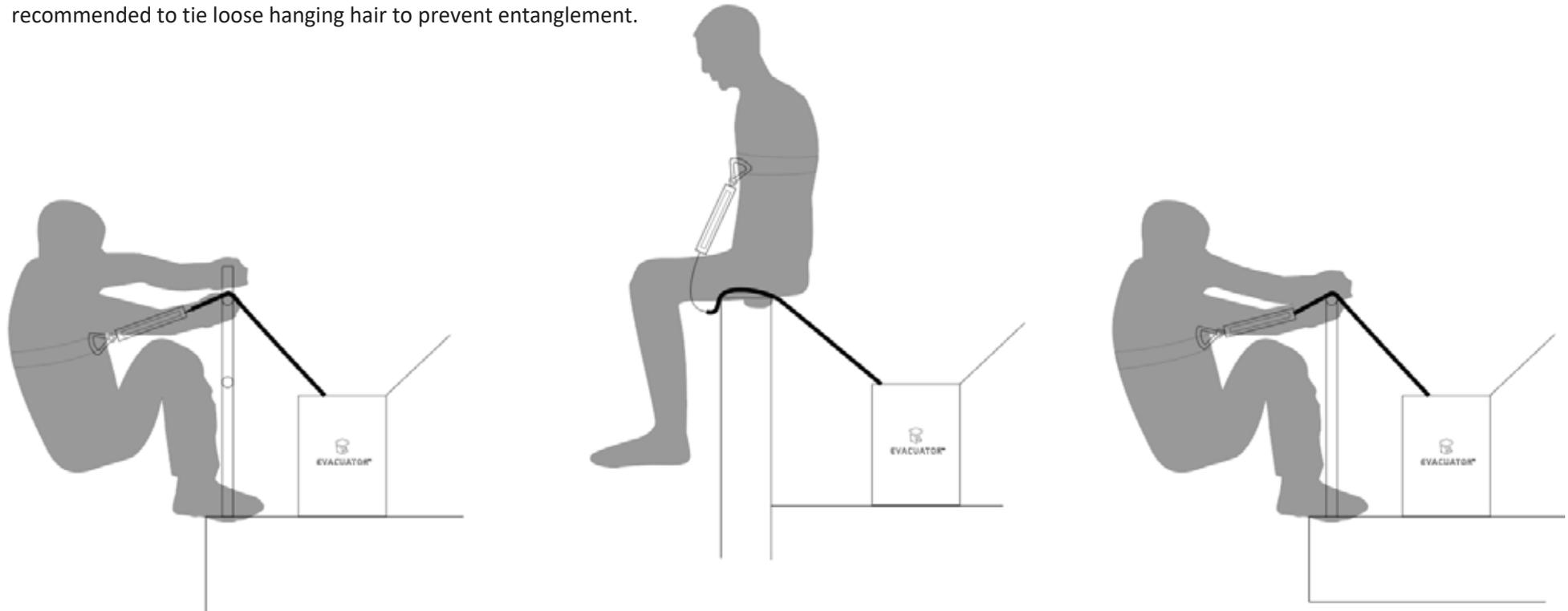
Make sure that you do not wear clothing that could obstruct your freedom of movement or entrap you during the descent. It is also recommended to tie loose hanging hair to prevent entanglement.



WARNING!

Keep the cable as short as possible! Make sure the cable cannot bunch-up on the cable reel. This may lead to failures.

Avoid any looping of the cable while you place the guiding cable (Bowden cable) over the edge of the evacuation zone. This prevents the cable from having slack or getting tangled up



Open the emergency exit and lower yourself as carefully as possible over the railing, the window frame or the hatch. The thick guiding cable (Bowden cable) must be placed over any edges so that the evacuation cable is not getting damaged. In doing so, strive for an as short as possible cable without looping.



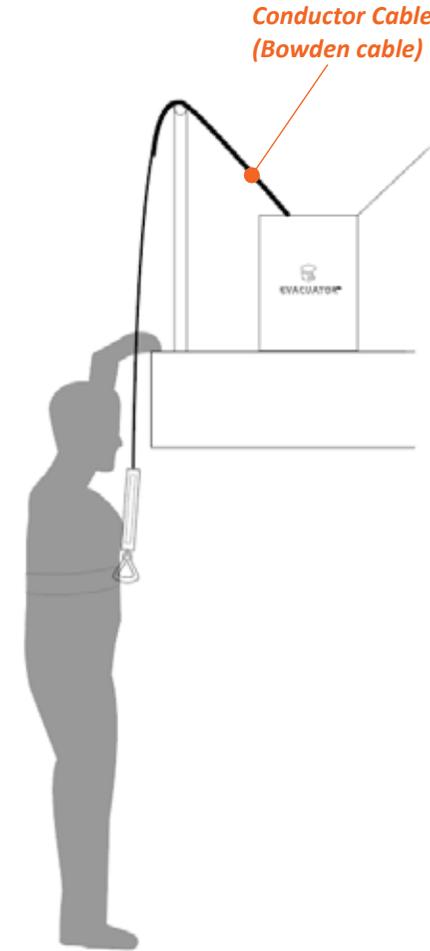
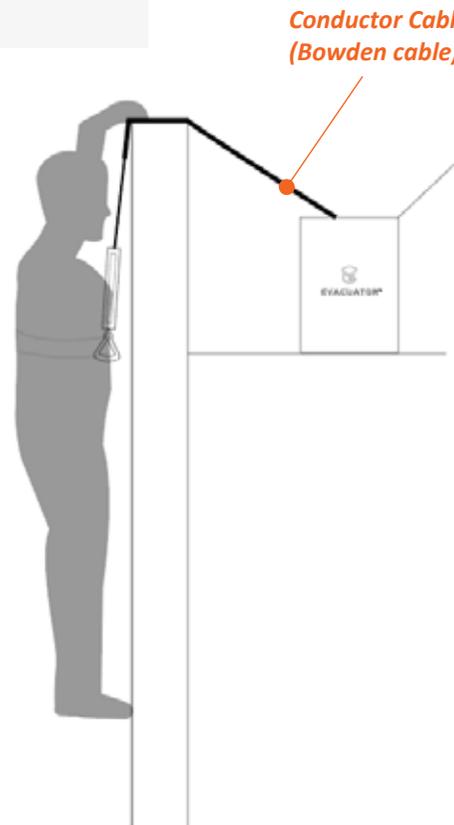
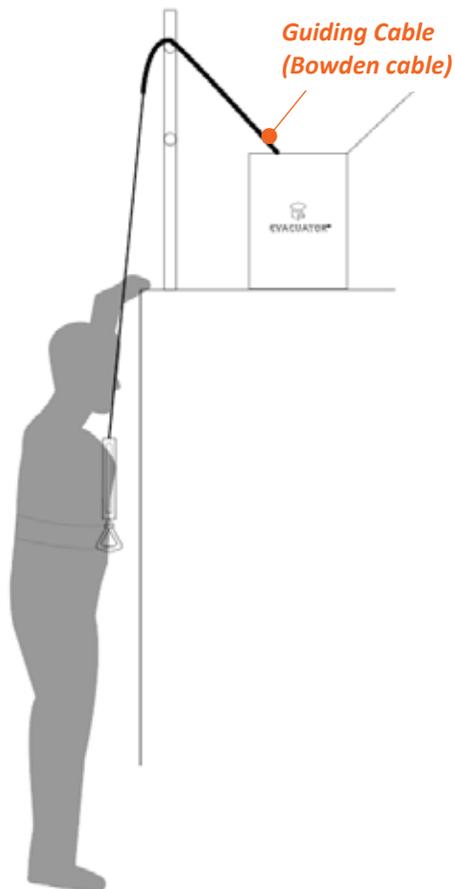
WARNING!

Make sure that the thick guiding cable (Bowden cable) is always over any edges so that the evacuation cable is not getting damaged!



PROHIBITED!

Never use the cable reel more than once.



Let go; preferably hold on to the cable with your hands.



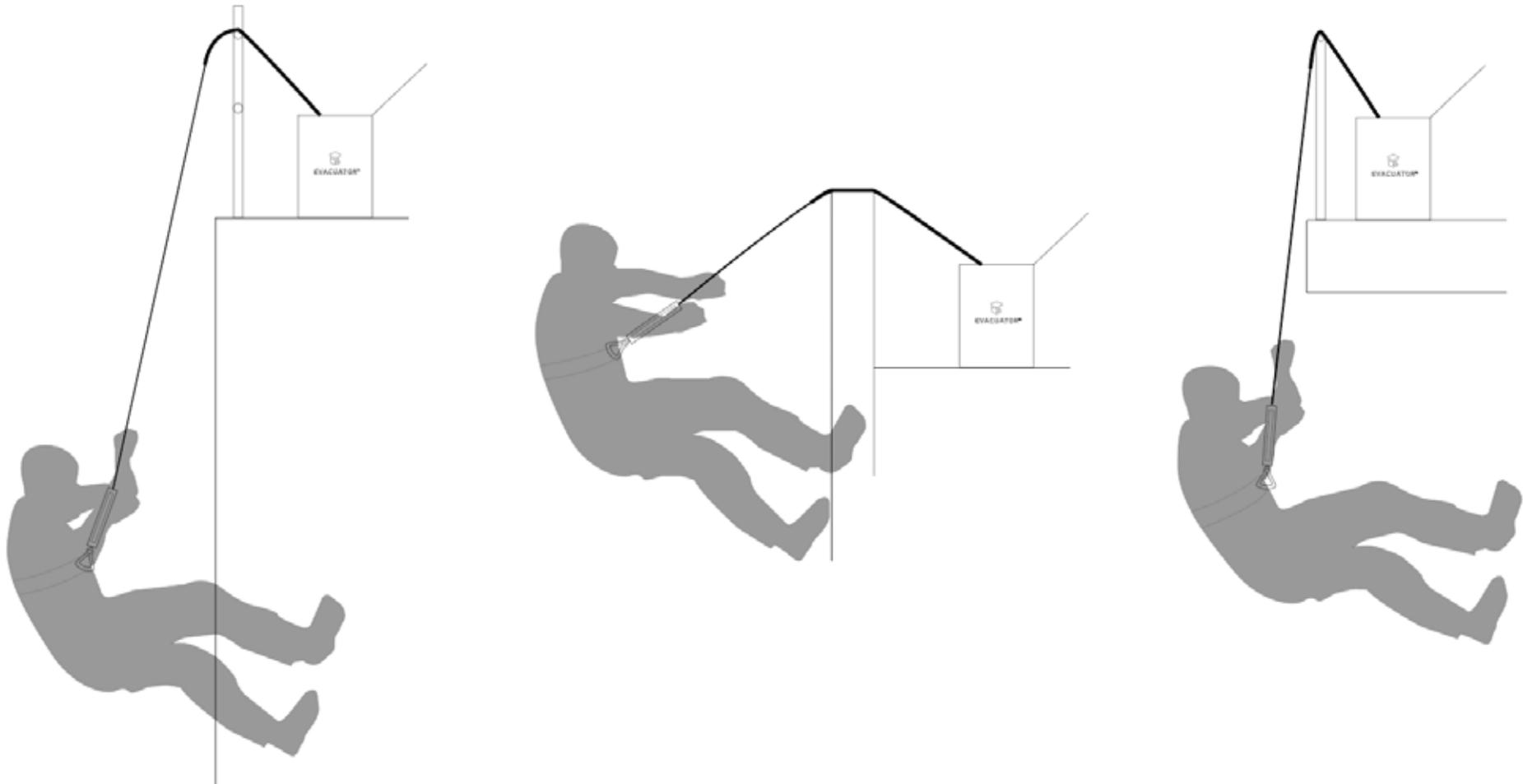
PROHIBITED!

It is not allowed to interrupt the descent between starting point and end point!



ATTENTION!

Avoid obstacles. Preferably hold on to the cable with your hands.



Push off from any walls or edges. By lowering yourself, the EVACUATOR® descent device will automatically lower you in a controlled way at low speed.

The energy absorber may stretch during the first part of the descent, allowing any fall to be absorbed at the start of the descent. The entire EVACUATOR® descent device (including Shock Absorbers) is made FOR SINGLE USE ONLY.



WARNING!

As soon as you reach the ground, disconnect the snap hook from the hook ring and remove yourself from the landing site to create space for any subsequent descents!



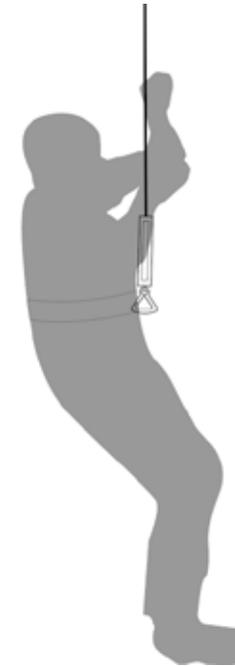
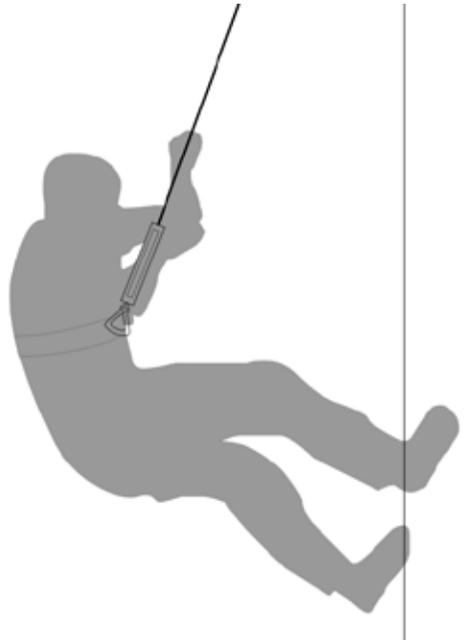
WARNING!

If possible try to stay in contact with the wall with your feet during the descent.



WARNING!

Preferably, the next cable reel should only be used when the users of the cable reel currently in use, are safely on the ground, have disconnected themselves from the cable and the cable reel has come to a standstill.



Maintenance, repairs and cleaning



WARNING!

It is mandatory to have periodic checks carried out. Always have this inspection and maintenance carried out by an authorized installer approved by Evacuator Worldwide BV to ensure the safety of the EVACUATOR® descent device.

Maintenance

It is mandatory that the maintenance is carried out by an authorized installer approved by Evacuator Worldwide BV to avoid errors.



PROHIBITED!

Repairs should not be performed without the prior written permission of Evacuator Worldwide BV. If this happens without permission, any form of warranty and liability will get expired.

Repair

It is mandatory that the maintenance is carried out by an authorized installer approved by Evacuator Worldwide BV to avoid errors.

Cleaning

The device can be cleaned with a soft cloth.

Periodic inspection

The device must be inspected at least once every 12 months by a person authorized by Evacuator Worldwide BV. Inspect in detail all accessible elements of the EVACUATOR® descent device paying attention to any damage, excessive wear, corrosion, abrasion, cutting or improper operation and legibility of the product label. Following the EVACUATOR® descent device inspection report. All information on the device (name, serial no., date of installation, information about repairs, inspections and decommissioning) must be provided on the identity card of the device. If this does not happen, the warranty expires and the safety of the user cannot be guaranteed.

Storage and transport

The device must be stored in a dry, cool and well-ventilated room. During storage, the device must be protected from UV radiation, heat, incandescent, metal splashes, electricity, chemicals, sharp objects, heat sources, dust, cement, oils and greases or any other form of contamination.

Transport of the equipment should be done in the protective bag or box, away from factors that could contaminate or cause damage.

Disposal

Each country has its own rules and laws relating to the disposal of used products. If parts or the entire EVACUATOR® descent device must be disposed of, please contact an authorized installer who is approved by Evacuator Worldwide BV.

You can also return the deactivated EVACUATOR® descent device to the installer.



PROHIBITED!

Never resell the EVACUATOR® descent device . This will invalidate any warranty, guarantee and liability related to the safety of the product.

Certification

This product has been certified by:

DEKRA EXAM GmbH
Dinnendahlstraße 9
44809 Bochum
Germany
CE 0158

Identity card

Identity card for EVACUATOR [®] descent device						
Product:	EVACUATOR [®]		Serial number:			
Model & Type:	E140 / E165		Year of manufacture:			
Location:			Date of installation:			
Periodic inspection and repair record						
No.	Date of inspection	Type of inspection / repair	Remarks	Date of next inspection	Name technician	Signature of technician
1						
2						
3						
4						
5						
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