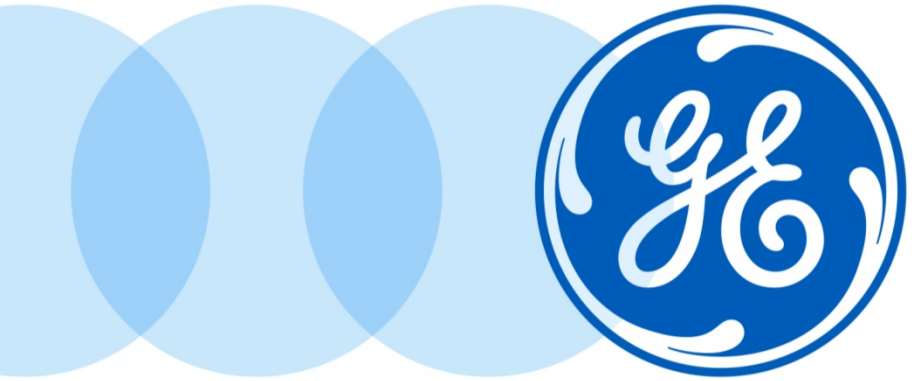


Manual Handling kit. Assemble steps

November 11, 2017

Imagination at work

Índice

- Normas básicas
- Configuración 1
- Configuración 2

Basic Normes

- This system allow you hand ½ load that you want to lift manually.
- It will be use to lift load between 15 kg (33 lbs) and 50 kg (110 lbs).
- > 50 kg (110 lbs) this system can not be use, we must use a mechanical lifting device.
- All devices have to be inspected and review before to use.
- It is forbiden use the manual lifting kit for any other task.
- The equipment only can be use by personal trained under GWO MH training standard.

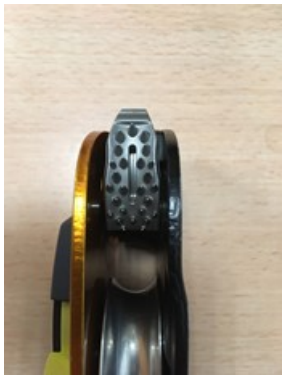
Máx. 50 kg

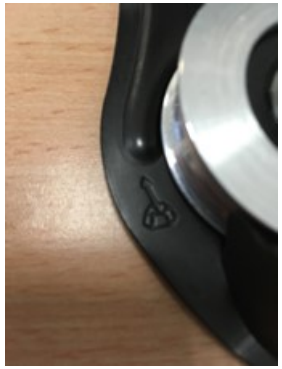
- Kit elements.

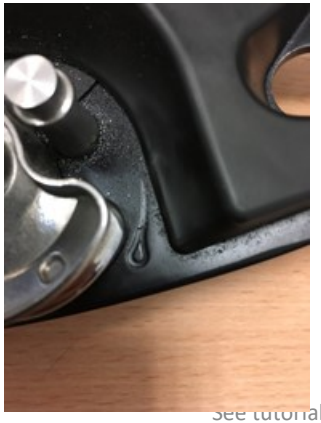
Amount	Description
1	PULLEY PRO TRAXION WITH SELF BLOCKER
2	LATERAL PULLEY PLATES
3	AUTOMATIC KARABINER WILLIAN TRIACT-LOCK
1	PULLEY HANDLE WITH BRAKE
1	SUPPORTING SLING

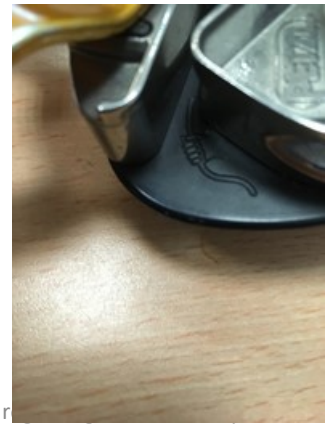
Attention.

- Some devices have to be used following specific rope position, pulley with brake, RIG/ID. To use these device, the user has to have an specific training to have the correct skill use.



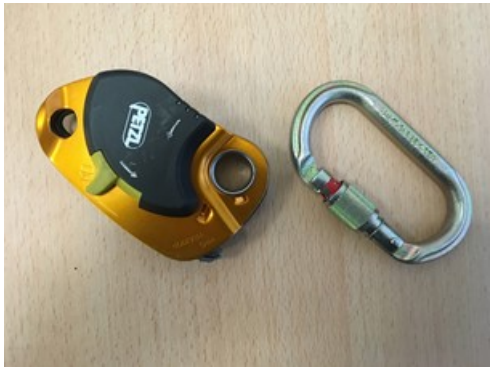


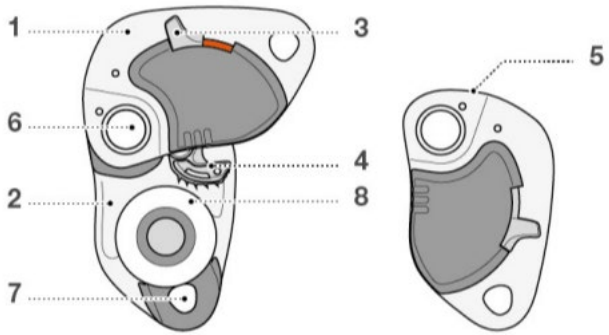




Configuration 1

1. Before to use the equipment, we must check it if any crack, corrosion, deformation, etc, the equipment must be tag and remove to use. To use the pulley, check the anchor attachment hole (Steel) to use with steel carabiner. This point will be our lifting point.





(1) Moving side plate, (2) Fixed side plate, (3) Safety catch with visual locking indicator, (4) Cam, (5) Button, (6) Anchor attachment hole, (7) Secondary attachment hole, (8) Sheave. Principal materials: aluminum alloy, stainless steel, nylon.

PDF

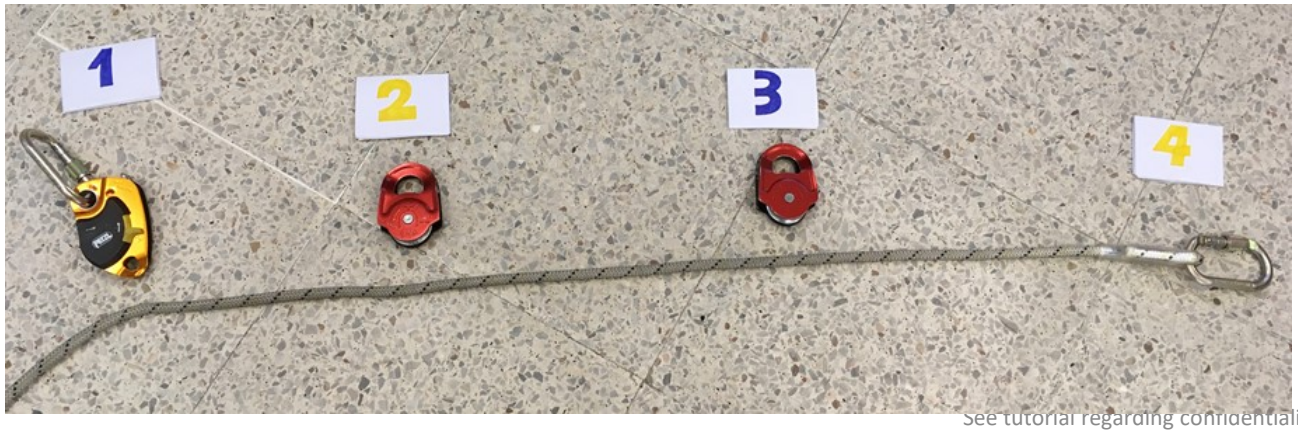
Adobe Acrobat Document

Thecnical information

Configuration 1

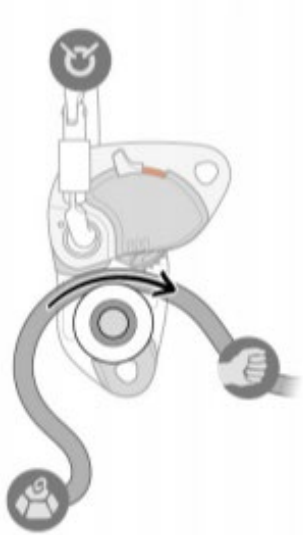
2. The other Steel carabiner must be in the rope, this will be use to attach the loads. Recomendation: the rope must be extended in a clean area to be able to check all components during assemble time.

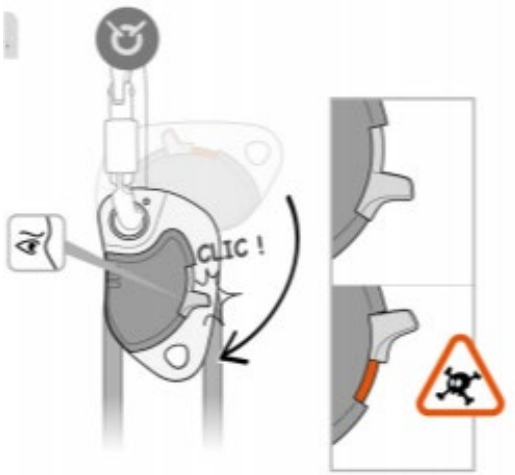
3. Assemble the components following the photo details, order and element numbers.



Configuration 1

Attention!! The pulley with break (1) must be checked to use in the correct possition.

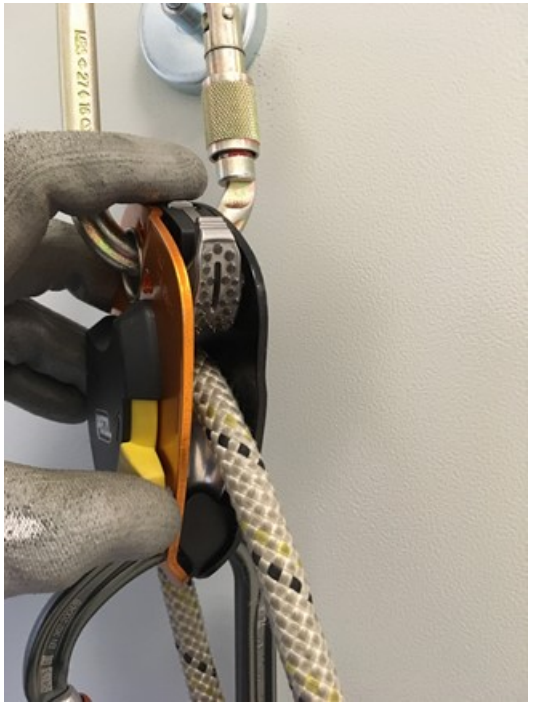




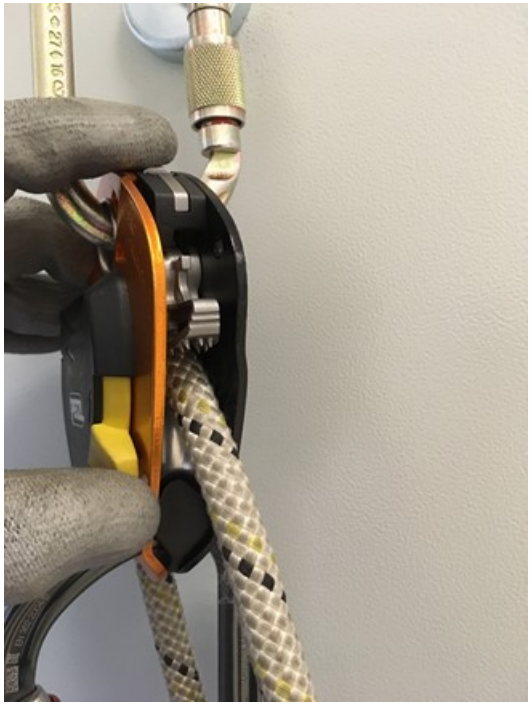
Configuration 1

Check that all components are correctly locked

Before to lift any load, we have to check the position of the break, it must be working all lifting time to avoid a drop load without control.



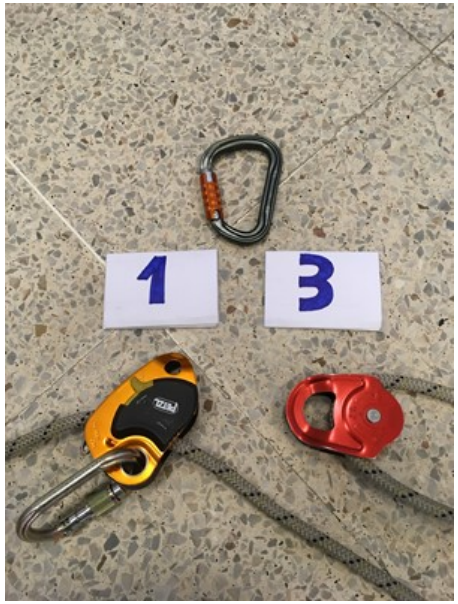
Open



Closed

Configuration 1

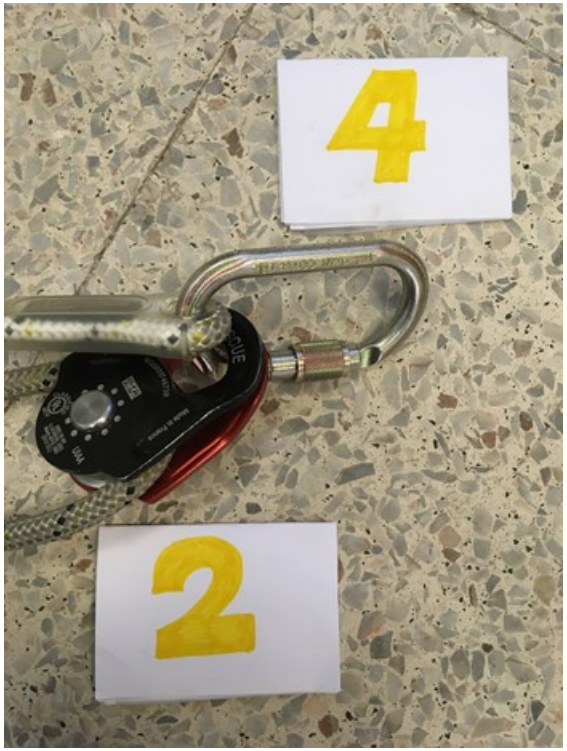
4. Connect the elements 1 and 3 with one aluminium carabiner, odd number.



Important, the elements must not be force during assemble and use.

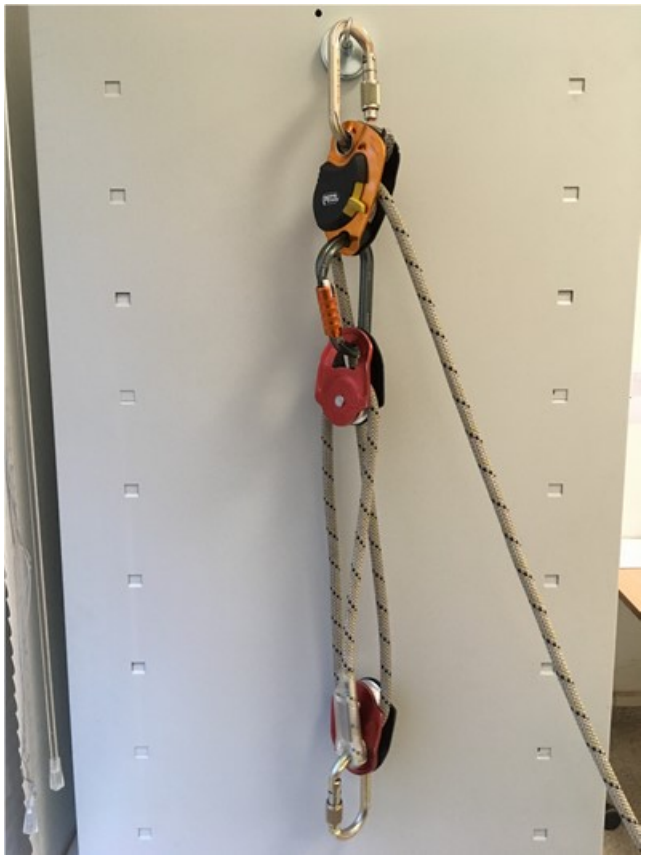
Configuration 1

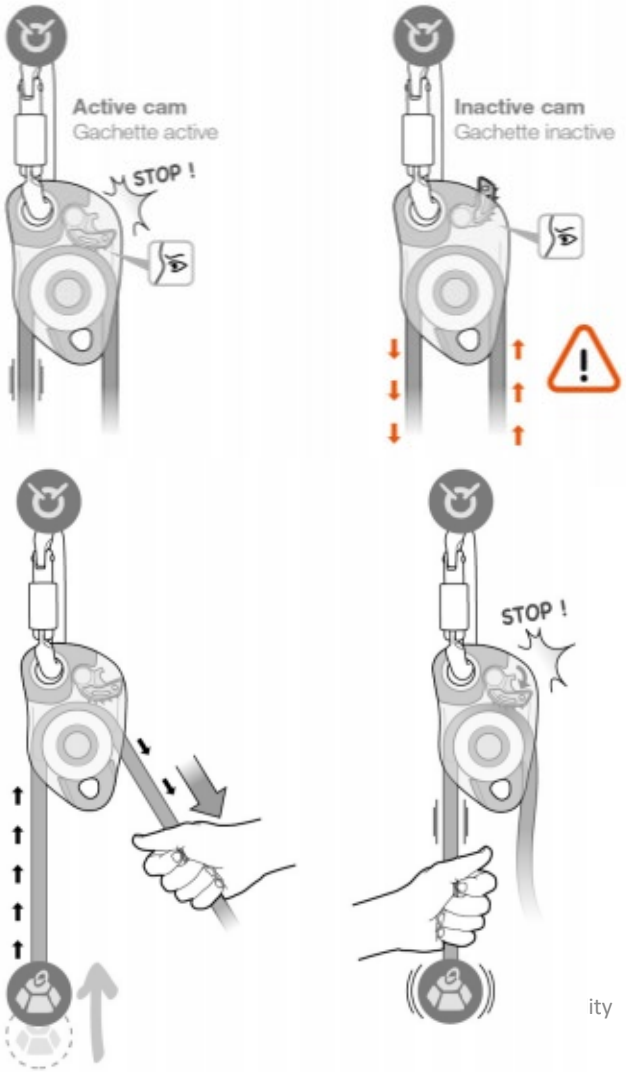
5. Connect numbers 2 and 4, even numbers, with the Steel carabiner installed in the rope, step2.



Configuration 1

6. Before to use the pulling kit, check that it is working correctly and the pulley break is locking the load in the correct possition to avoid to down without control.





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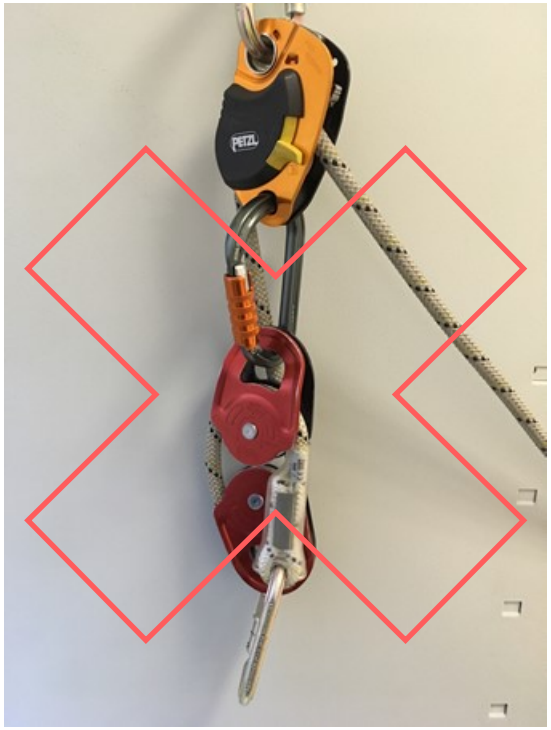
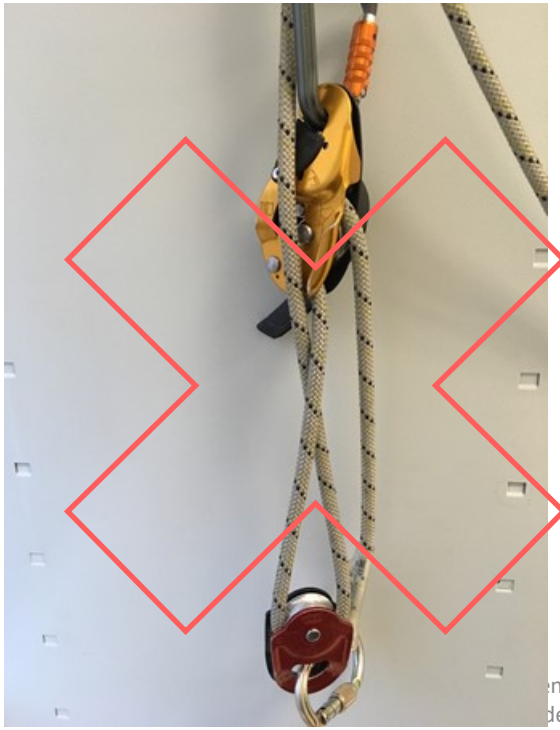
Configuration 1

IMPORTANT, PAY ATTENTION!!!

We msut avoidt that pulleys will be very close between them and rope must not have twist becuase:

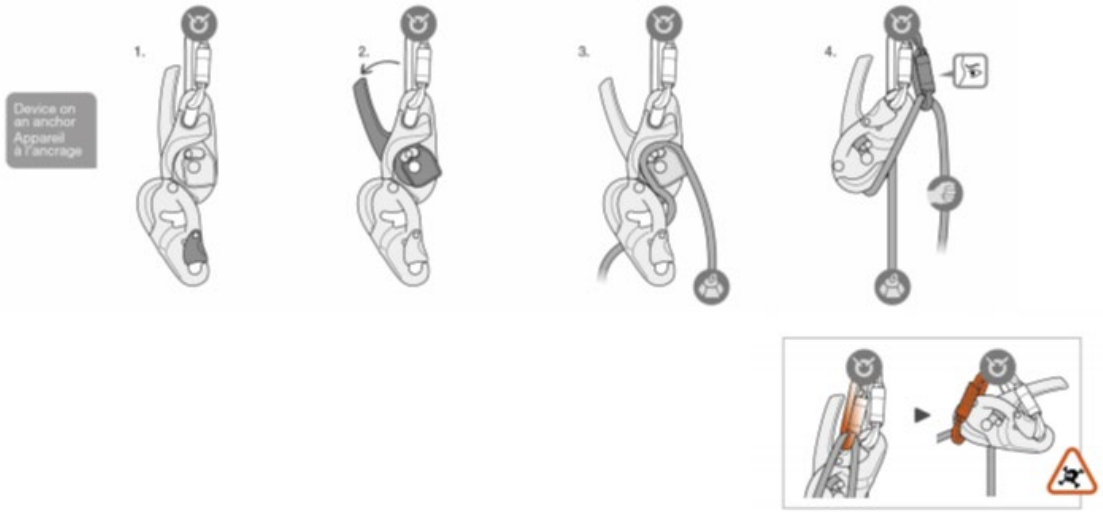
1. It can be damaged.
2. To remove the brake to down the load, we must lift a Little to unlock the break from the pulley with break.





Descent load with ID/RIG pulley device

Attention, this device has a work possition



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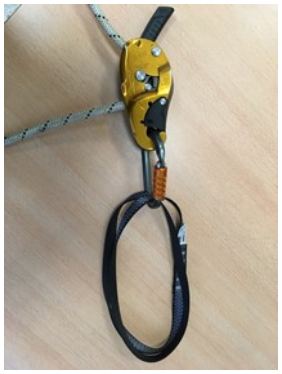
Descent load with ID/RIG pulley device

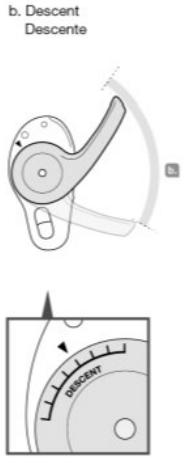
RIG/ID will be attached in tha fixed point to control of the load during the descent of the load



All time, we must keep one hand in the rope coming into the ID and the other in the control handle of the device.

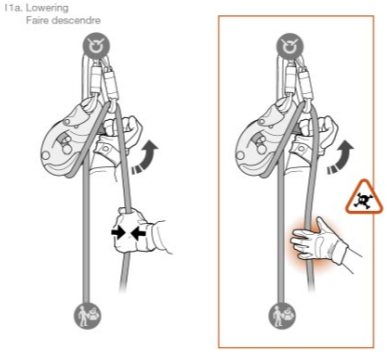
Descent load with ID/RIG pulley device

a. ID/RIG Break must be locked to have the load control.



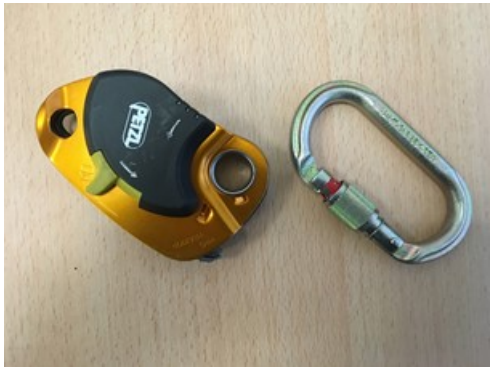
b. We must remove the pulley break, at this time the load will be lock by ID/RIG break. If this operation must be done by two techniciand becuase the pulley system is not close to ID/RIG, the comunication between them has to be clear and confirmed before to do anything. If any doubt STOP THE WORK and ask to clarify.

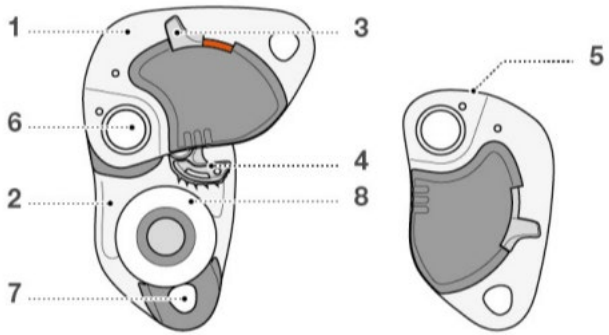
c. Start the descent of the load, see picture details.



Configuration 2

1. Before to use the equipment, we must check it if any crack, corrosion, deformation, etc, the equipment must be tag and remove to use. To use the pulley, check the anchor attachment hole (Steel) to use with steel carabiner. This point will be our lifting point.





(1) Moving side plate, (2) Fixed side plate, (3) Safety catch with visual locking indicator, (4) Cam, (5) Button, (6) Anchor attachment hole, (7) Secondary attachment hole, (8) Sheave. Principal materials: aluminum alloy, stainless steel, nylon.

PDF

Adobe Acrobat Document

Thecnical information

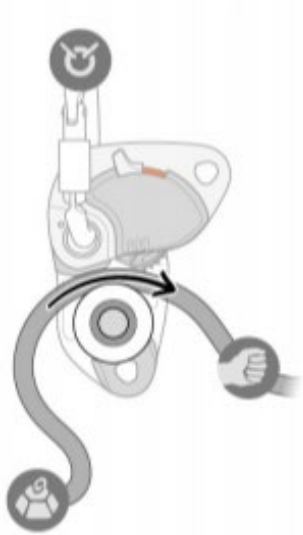
Configuration 2

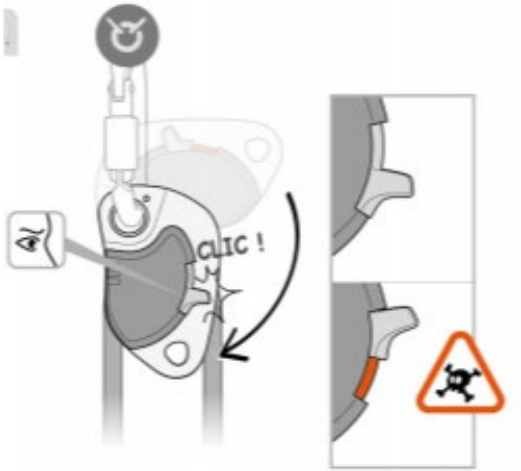
2. The other Steel carabiner must be in the rope, this will be use to attach the loads. Recomendation: the rope must be extended in a clean area to be able to check all components during assemble time.

3. Assemble the components following the photo details, order and element numbers. The element 3 will be the ID/RIG

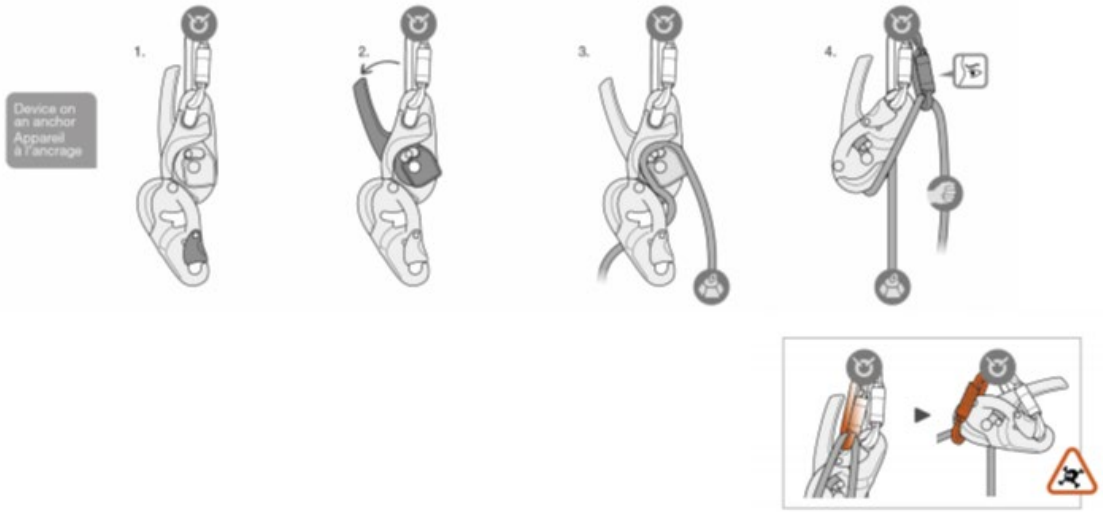
Configuration 2

Attention!! The pulley with break (1) must be checked to use in the correct possition.





Attention, this device has a work possition



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Adobe Acrobat Document

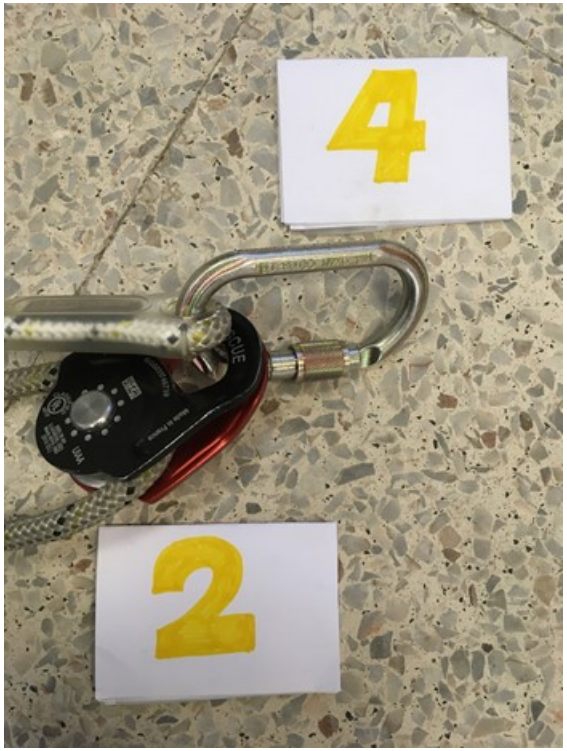
Configuration 2

4. Connect with one aluminium carabiner the element 1 and 3. Check the correct position of the element like you can see in the following photos.

Important, the elements must not be force during assemble and use

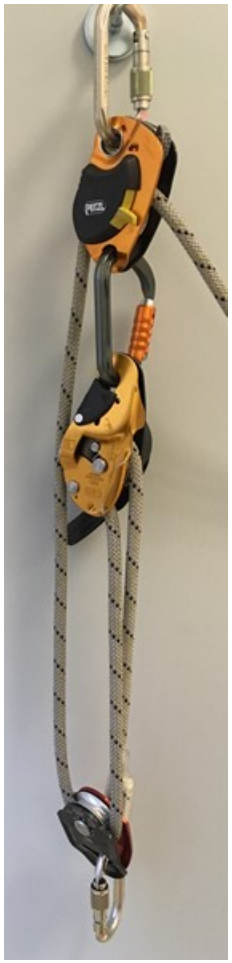
Configuration 2

5, connect the element 2 with 4.



Configuration 2

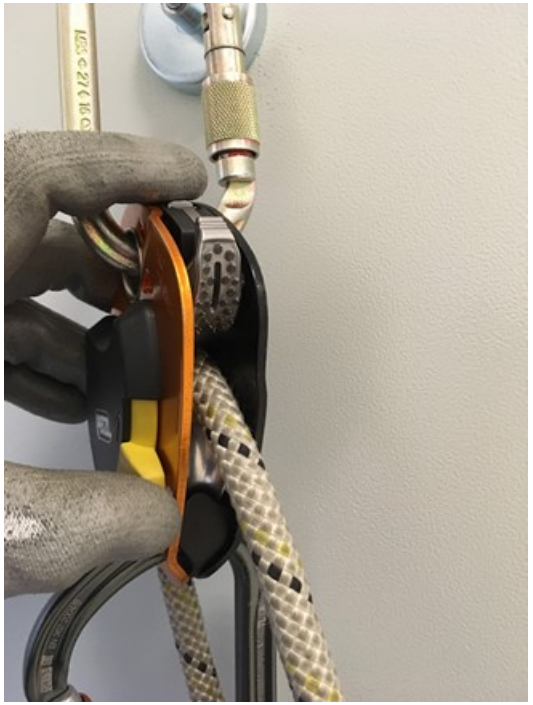
6. Before to use the pulling kit, check that it is working correctly and the pulley break is locking the load in the correct possition to avoid to down without control



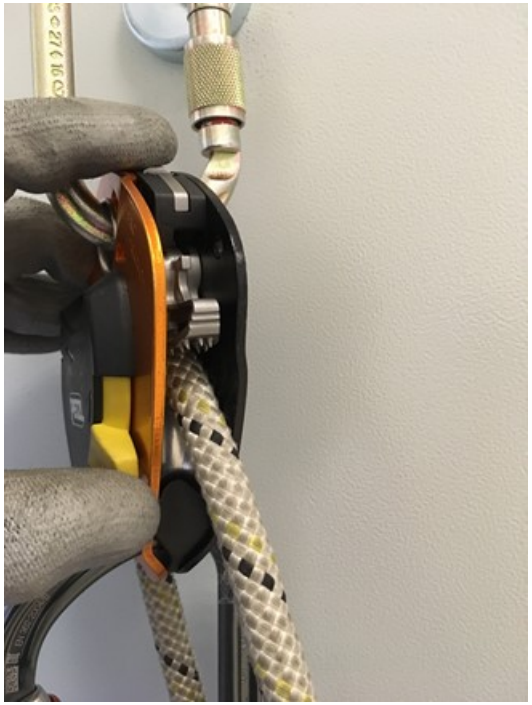
Configuración 1

Check that all components are correctly locked

Before to lift any load, we have to check the position of the break, it must be working all lifting time to avoid a drop load without control.



Open



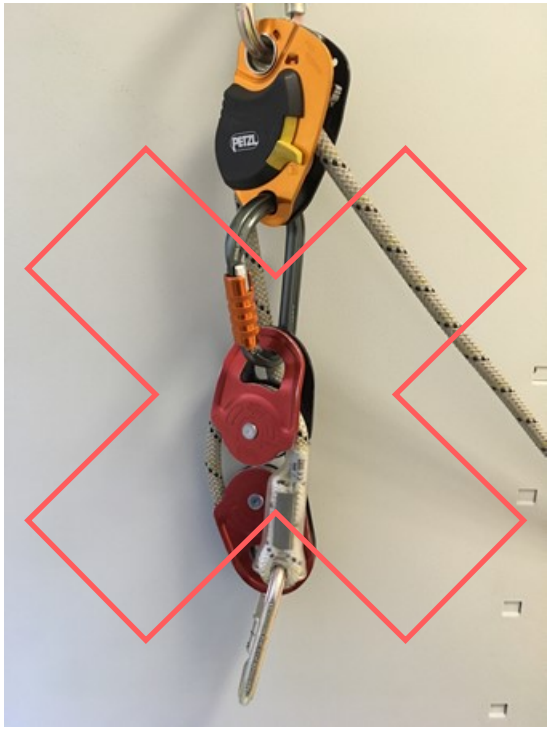
Closed

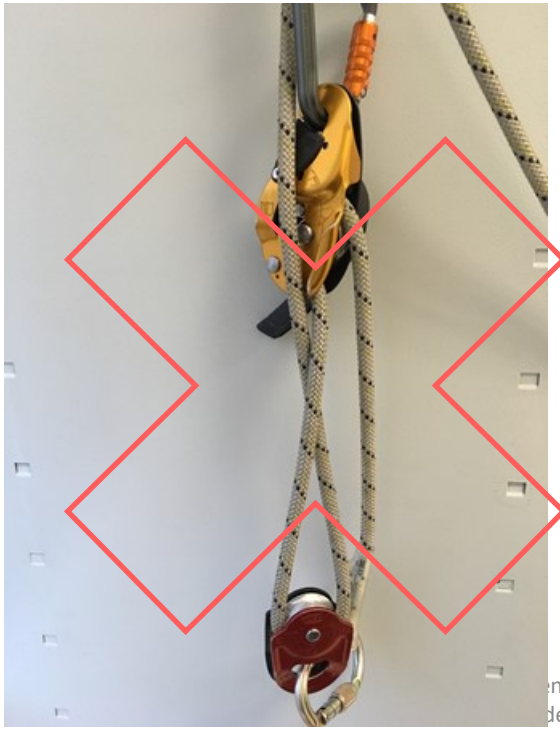
Configuración 1

IMPORTANT, PAY ATTENTION!!!

We msut avoidt that pulleys will be very close between them and rope must not have twist becuase:

1. It can be damaged.
2. To remove the brake to down the load, we must lift a Little to unlock the break from the pulley with break.





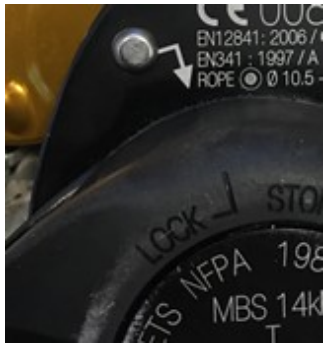
Configuration 2

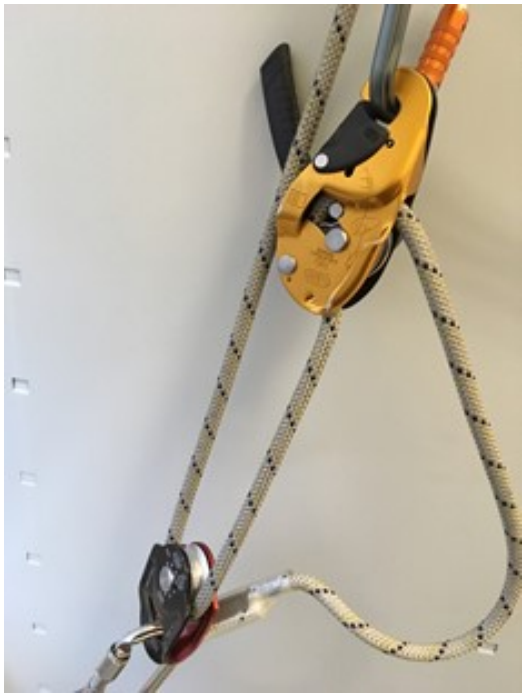
IMPORTANT, PAY ATTENTION!!!

To lift the load with this configuration, the position of the RIG/ID's handler must be in BELAY, in other case if the handler will be in: LOCK o STORE, the system does not recover the rope and in case to lose the load it can be fall without control and the system can be damaged.

OK

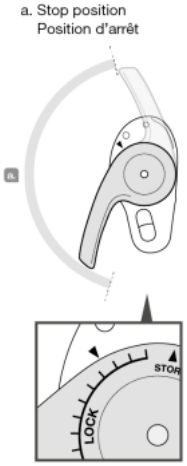
Not OK





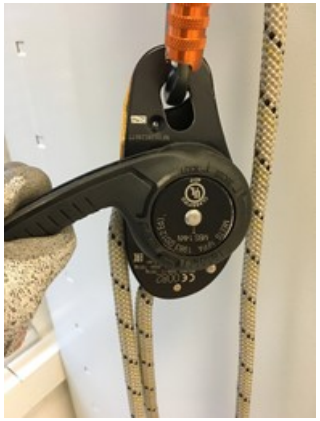
Configuration 2. To descend the load:

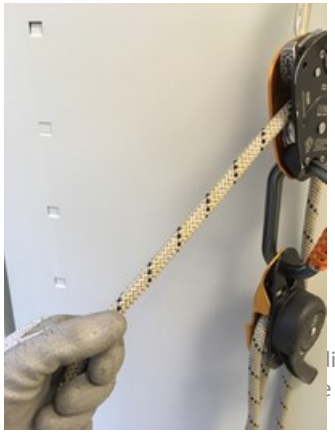
a. Check the break of the RIG/ID must be applied, the rope will be locked.



b. Comunicate to the team before remove the break of the pulley with break. No confirmation STOP THE WORK.

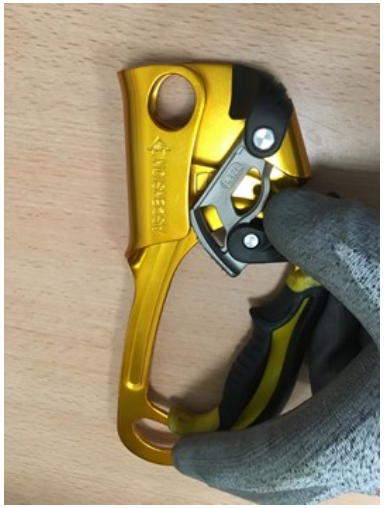
c. Start the descend of the load taking the control with the handler of the ID/RIG.

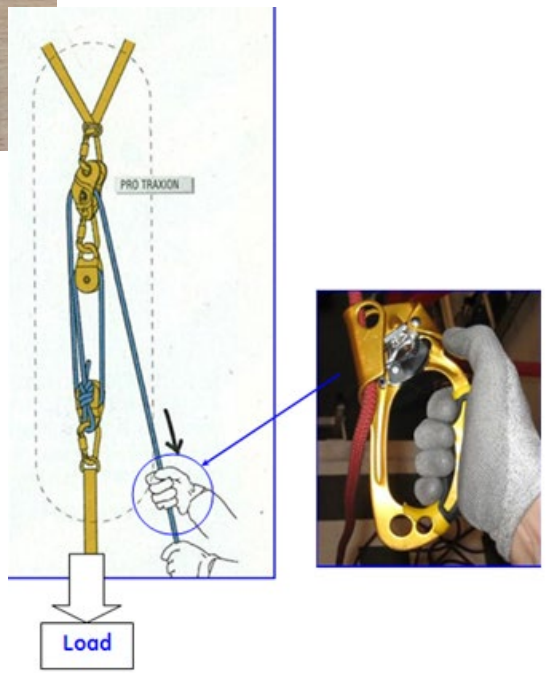




Configuration 1 and 2.

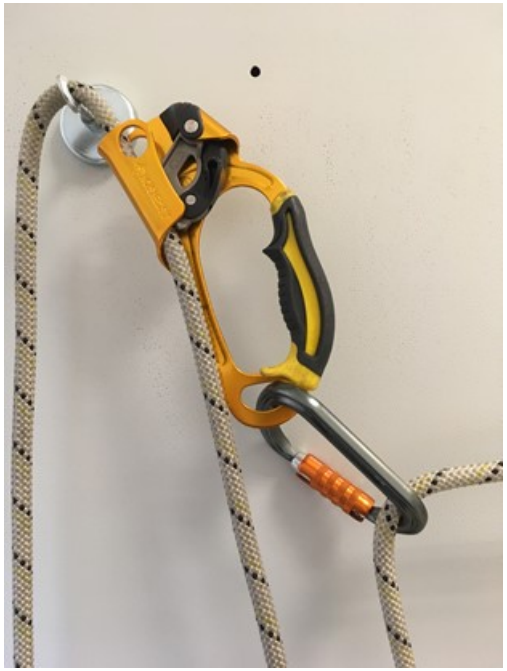
To lift the load we can use the handled rope clamp for rope ascents included in the kit.

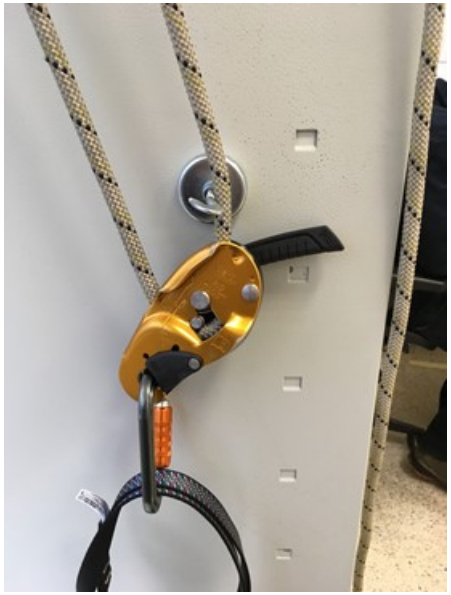




Configuration 1.

To pull of the rope and help us, we can use the handled rope clamp.

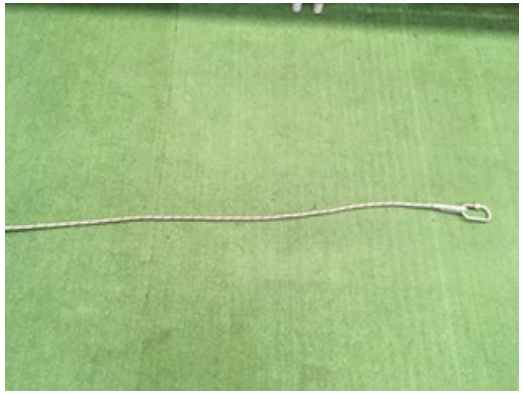
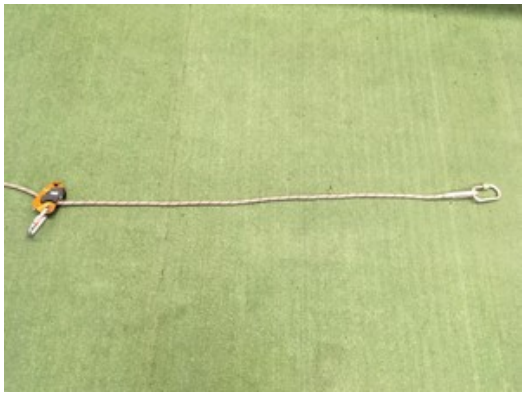


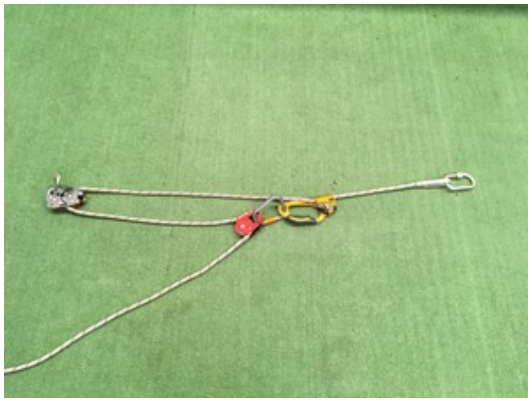


Configuration 3.

When we don’t have enought rope and we have to made a pulley system in a rope section. In that case the ratio will be the same.

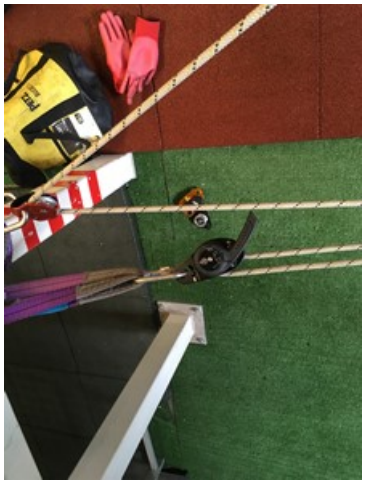
See the photos details to assembly it.



Configuration 4. Zip Line to move loads.

This configuration can help us for lateral movements, we must use the ID/RIG insead of pulley with break.



Configuration 4. Zip Line

To apply tension on the rope, we follow the same step like lifting loads. To release the tensión, you must use the handled of the ID/RIG.

Thanks a lot