

360

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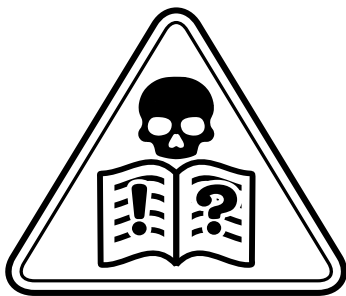
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USER GUIDE

The Snatcher Ratchet Rescue system was specifically designed as complete ready to use rescue kit for post fall arrest rescue situation




WARNING



WORKING AT HEIGHT ACTIVITIES ARE
POTENTIALLY DANGEROUS. FAILURE TO
ABIDE BY THESE WARNINGS MAY RESULT
IN SERIOUS INJURY OR DEATH.

Working at height activities that involves the Heightsafety Snatcher Ratchet Rescue System for: post fall arrest rescue situations, is potentially dangerous. You as the user of this ready to use system are responsible for your own safety, actions and decisions:

Before using this ready to use rescue system, you must ensure the following:

-  Read and understand the user's guide and instructions.
-  Failure to abide by these warnings may result in serious injury or death.
-  The user of this system is responsible for his/ her own actions

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OWNER INFORMATION

Name & Surname:

ID Number:

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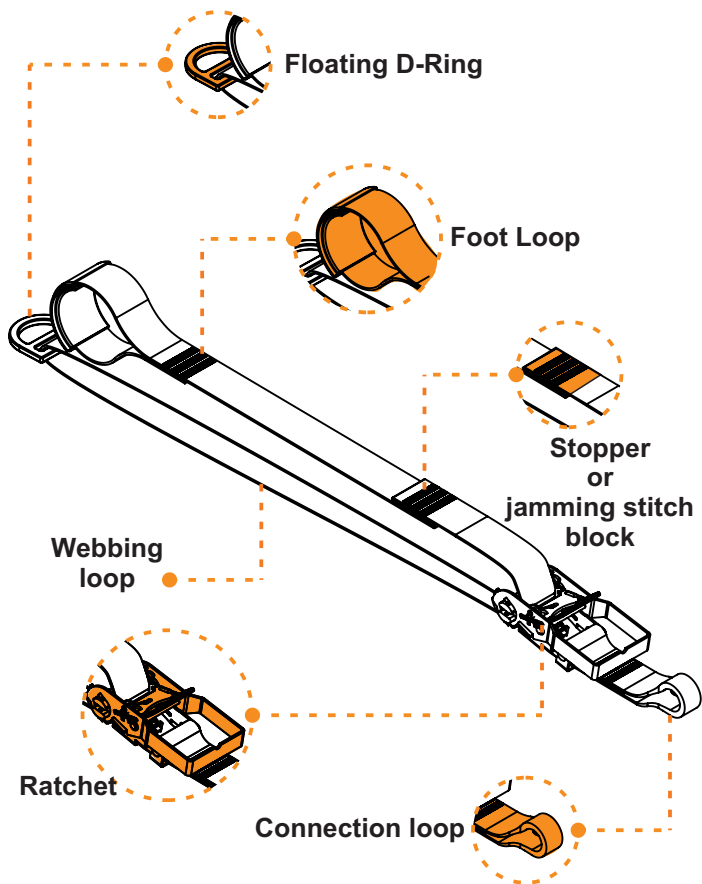
Company:

Designation:

Date:

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COMPONENTS OF RATCHET



COMPONENTS OF RATCHET

The Snatcher Ratchet rescue system will be described in more detail, by way of example only, with reference to the drawing above. The function of each part and component listed.



1. Connection loop is to act as a primary load bearing anchor point.

2. Ratchet is used as a lifting and locking mechanism

3. Stopper or jamming stitch block is a safety mechanism, used to prevent the webbing loop from running back through the ratchet.

4. Floating D ring is a secondary load bearing moving connection point. Normally fitted lower than the primary point.

5. Foot loop is attached to the webbing loop and can act as a standing step to assist the victim or the rescuer to lift through the floating D-ring and the webbing loop with the 2:1 mechanical advantage

6. Webbing loop creates a 2:1 mechanical advantage through the floating D-ring and will assist in reducing the load that needs to be lifted with +/- 50%.

Instruction:

Personally inspect and prepare the equipment before using it. Always confirm that all equipment parts are functional and serviceable.

The inspection will highlight the following criteria:

Traceability: (a) Serial no (b) Date of manufacture (c) Condition

Software: (a) Wear & tear (b) Abrasion (c) Chemical contact

Functionality: Can each component part function the way it was designed for

All the equipment in the kit is marked with the relevant pool number and kit number?

All serviceable equipment in the kit has been tagged with the new color code for the next period?

Ledges:

Remove and or Replace (RR), Repair (R), Monitor (M), Serviceable (S), Functional (F)



COMPATIBILITY

To ensure complete compatibility in the Snatcher ratchet rescue kit. It is recommended to only use the complete rescue kit supplied by Heightsafety Gear. Verify and ensure that all parts and components of the Rescue kit is compatible with your personal fall arrest and or rope access equipment as well as the anchor point requirements of the rescue site.

COMPONENT INSPECTION

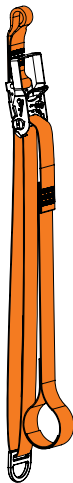
When inspecting your Snatcher Ratchet rescue system equipment always remember that the physical appearance of the item determines the serviceability of the equipment



- If your equipment looks clean and organized it is safer than some items that are dirty, torn and not organized
- If you find any item that does not look serviceable confirm with your site supervisor and remove and isolate the part immediately from the inspection kit.
- If you feel it is not safe for use, report it to your supervisor, remove it from service and replace it with serviceable equipment

Webbing Components Inspection

When inspecting webbing components check for the following defects:



1 Signs of wear and tears and frayed sections.



2 Signs of cuts and burn marks.



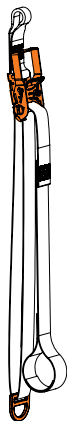
3 Unusual hard and soft sections.



4 Check if the stitch patterns are still intact by twisting it sideways. Check to see if the stitching is not frayed and coming loose.

Metal Components Inspection

When inspecting metal components check for the following defects:



Check that there is no bending.



Check for signs of deformities and indentations.



Check for signs of rust marks.



Check for signs of abrasion and or cracks.

INSPECTION SHEET

ITEM PICTURE DESCRIPTION & INSPECTION CHECK QTY SERVICEABLE COMMENTS

SNATCHER RATCHET



1 WEBBING
(cuts, burns, wear, discoloration) ☐ YES ☐ NO

2 LOAD BEARING STITCHING
(cut, worn, loose threads) ☐ YES ☐ NO

ATTACHMENT D-RINGS
(deformed, cracks, corrosion, wear) ☐ YES ☐ NO

4 RATCHET
(deformed, cracks, wear) ☐ YES ☐ NO

5 PROTECTIVE COMPONENTS
(padding, tubular, belay loop) ☐ YES ☐ NO

6 SNATCHER RATCHET
Remove and or Replace (RR),
Repair (R), Monitor (M),
Serviceable (S), Functional (F)

RR	R	M	S	F

TECHNICIAN:

Name:

Signature:

Date of Inspection: Y Y Y Y M M D D

SUPERVISOR:

Name:

Signature:

STANDARDS

The Snatcher Ratchet's sling conforms to the following standards:
EN 1496:2017

FIELD OF APPLICATION

The Snatcher Ratchet Rescue system was specifically designed as complete ready to use rescue kit for post fall arrest rescue situation. The system can be used for (but is not limited to)

the following possible fall arrest rescue situation work applications:

- Victim retrieval of all post fall arrest situations.
- Offers a 2:1 mechanical advantage on the lifting point.
- Offers a manual lock with slip back safety stopper.
- Offers a manual lifting by using the ratchet mechanism only.
- Offers a manual lifting by making use of the foot loop and the mechanical lock.
- Lifting of the victim to avoid a shock load when transferring the body weight from the main fall arrest device to the rescue system.
- Lifting of the victim by the rescuer at the top of the rope anchor point.
- Victim can lift himself to transfer his or her weight to the rescue system.
- Rope access abseiling rescue.

LIMITATIONS

The following limitations need to be taken into consideration before using the Snatcher Ratchet rescue system:

- The distance of the lift during the pic off. The system can provide a manual lift of only +/- 60 cm. Ensure that the lift and distance required to remove the victim is correct.
- If the mechanical lift of the ratchet mechanism only, is used the victim can only be lifted about 20 cm due to the amount of webbing that builds up in the ratchet shaft section.
- Connector size that will be connected to the connection point of the Snatcher Ratchet.
- Ensure that your harness has got a load bearing connection point where the Snatcher ratchet can be connected to/.
- The safe working load of the Snatcher Ratchet and the amount of weight that you are going to apply when using the device.
Safe Working Load is 150kg



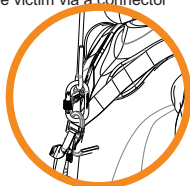
This safe working load is in the snatcher ratchet sling only. If the system is used as part of a kit ensure that the safe working load of the weakest item in the kit is not exceeded.

Instruction of use

AT THE TOP OF THE RESCUE SYSTEM

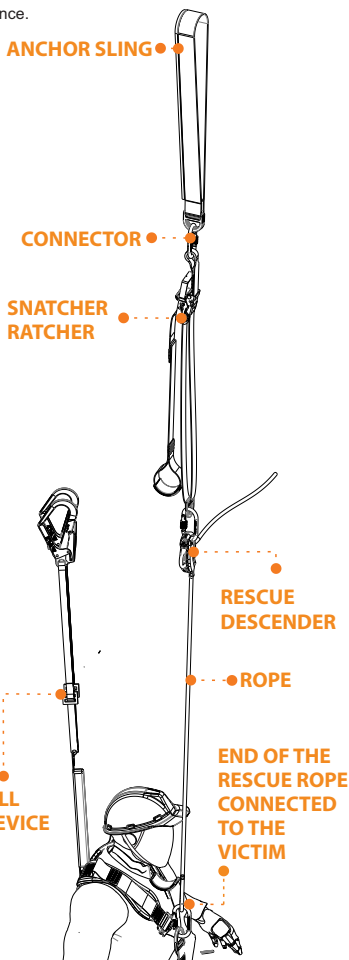
The device can be used in the following sequence.

1. The rescue rope will be sent down to the victim via a rescue descender device
2. The end of the rope will be connected to the victim via a connector



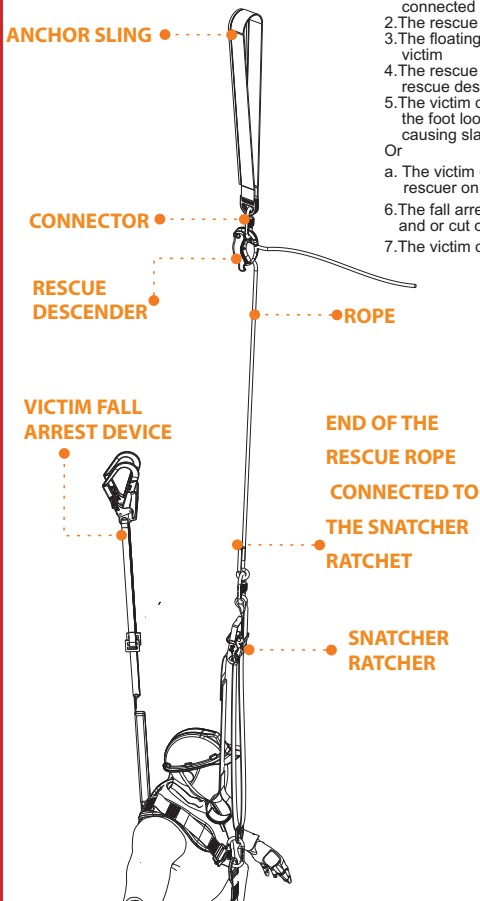
3. The rope will be pulled tight and locked off through the rescue device
4. The Snatcher Ratchet rescue device can be used to lift the victim manually by stepping in the foot loop. The floating D-ring connected through the webbing loop will run up to the ratchet mechanism.
5. The ratchet handle and mechanism can now be used to lock the webbing pulled through.
6. This operation will ensure that the lift that occurred will not run back or slip back.
7. The fall arrest device of the victim will now be slacked to disconnect and or cut off.
8. The victim can now be lowered back down.

**VICTIM FALL
ARREST DEVICE**



BOTTOM OF THE RESCUE SYSTEM

The device can be used at the bottom of the rescue system between the victim and rescue rope connection point.



1. The primary connection point will be connected to the end of the rescue rope.
 2. The rescue rope is sent down to the victim.
 3. The floating D-ring is connected to the victim
 4. The rescue rope is tightened through the rescue descender.
 5. The victim can lift himself or herself through the foot loop and the ratchet mechanism causing slack on the fall arrest device.
- Or
- a. The victim can be lifted by an additional rescuer on the same level.
6. The fall arrest device can be disconnected and or cut off
 7. The victim can be lowered to safety..

GUARANTEE

This Snatcher Ratchet rescue system is guaranteed for a period of three years against any defects caused during the manufacturing process. This includes all hardware and software materials of the product.

The following occurrences are not included in this guarantee:

- Normal wear and tear caused by day to day use
- Rust and or oxidation
- Alterations and modifications made to the product.
- Wrong storage, transportation and handling methods are used.
- No or poor maintenance
- Damage due to excessive use or accidents
- Dropping the item from a height.
- Overstepping the safe working load of the item.
- Using the product beyond the intended design scope

DISCLAIMER

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Heightsafety will not accept any responsibility, accountability, lack of training or liability for the actions and consequences direct, indirect or accidental or any other type of injury that may result from the use of the Snatcher Ratchet.



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