



RESCUE MASTER

Instructions Manual

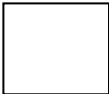


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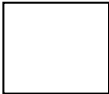
Part Number 71-149 Rev 2



Full Kit RM 45MT



9333633003270



Basic Kit RM 45M-L



9333633003263

RESCUE MASTER

Portable Rescue System

RESCUE KIT CONTAINS:

Full Kit RM 45MT

- Kermantle Rope (45 metres)
- Raise and Lower pulleys
- 1 x 501 Karabiner
- 1 x 566 Karabiner
- Tie Off
- 201EPG Body Belt with rope grip
- 560 Rescue chest strap
- Storage Bag



Basic Kit RM 45M-L

- Kermantle Rope (45 metres)
- Raise and Lower pulleys
- 1 x 501 Karabiner
- 1 x 566 Karabiner
- Tie Off
- Storage Bag



RESCUE MASTER INSPECTION RECORD

Company Name	
Site/Depot	
Address	
Equipment User	
Contact Number	
Equipment Description	
Serial Number	

Note: All inspections are to be carried out with reference to AS/NZS 1891-1 & -4. If there is any doubt about the ability of a piece of equipment's ability to safely perform its function, remove it from service.

Date of Inspection	Description	Condition	Inspectors Name



As with all Fall Protection Equipment we recommend that the operator also be attached to a secondary independent system such as a inertia reel fall arrestor (preferably Type 3 – See AS/NZS 1891.1-4) or be connected to an anchorage line by a type 1 fall arrestor.

Rescue Master General Instructions

The following information must be read and understood; failure to do so could result in serious injury or death.

Working at heights is a dangerous practice. The following guidelines are of an inherently general nature and as such they are not a substitute for training, common sense and safe working practices. These products must only be used in an occupation/workplace where the user receives appropriate training under the respective government workplace legislation or from an approved supplier. For guidance on the use of fall protection equipment, its inspection, location of anchorage points and general fall protection practices we recommend AS/NZS 1891-4 be consulted.

1. Users of this equipment must check the condition of the equipment before and after each use. Do not use equipment if there is any doubt about its ability to perform as required.
2. Connection to this harness must only ever be done via the appropriate connection points i.e. for where there is a risk of Free Fall connection must only be made to the connection point labeled for 'Fall Arrest'.
3. This equipment must not be altered in any way.
4. Only one person at a time is to be connected to this equipment.
5. Any equipment involved in sustaining a fall must be withdrawn from service.
6. Employers must plan for the prompt rescue of employees in the event of a fall.
7. The user must be aware that forces experienced during the arrest of a fall or prolonged suspension may cause bodily injury.
8. To gain any benefit from fall protection equipment it must be worn correctly and be connected to a suitable anchorage point (see AS/NZS 1891-4 for information on anchorage points). When using this equipment always confirm the connection visually and by loading the connection in the likely direction of load.

Rescue Master General Instructions

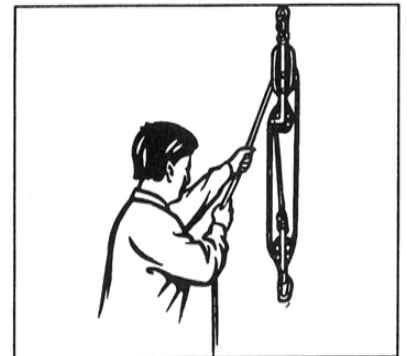
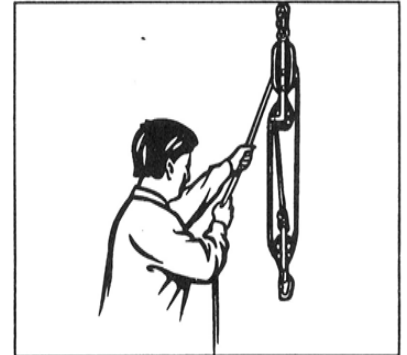
9. This equipment is NOT to be used for Fall Arrest.
10. Each attachment point must be only used for the purpose indicated on the associated label.
11. If any fall protection equipment is exposed to hazardous chemicals or atmosphere, the manufacturer should be consulted to determine whether the equipment is suitable for continued use.
12. When connecting this equipment to your harness always confirm the action and engagement of the hook latches.
13. Do not allow rope or webbing to come in contact with high temperature surfaces, welding, heat sources, electrical hazards or moving machinery
14. Never use this equipment for purposes other than those for which it has been designed.
15. The compatibility of all components in a system should be checked and inspected by a competent person

Inspection & Maintenance

- The user's company safety officer should maintain a record log of servicing dates for this unit. (See AS/NZS 1891.4 for guidance on inspection cycles)
- Inspect the mechanism and rope before and after each use. If there is any sign of damage or degradation then the product should be withdrawn from service until repaired or serviced.
- Luke warm water with dish soap can be considered the best and safest method of cleaning, without any adverse effects on the metal components. Rinse parts in luke-warm water after cleaning.
- After necessary cleaning & drying, store the equipment in a dry, dark cool position, away from chemicals, corrosives, high humidity, sharp objects, U.V radiations, salt environment, or any other possible causes of damage.
- Do not store the equipment wet.

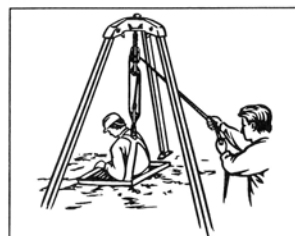
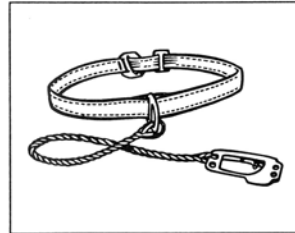
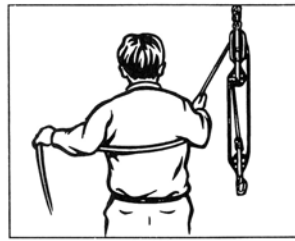
Ascending

1. Grip the rope firmly (but DO NOT wrap around hand) in a position at eye level.
2. Bend down, using your own body weight to lift the person ascending. Ensure that the rope has locked each time a pull is made. Once rope has locked in place, let go.
3. Position yourself upright again and repeat step 2 (above step) as many times as necessary to complete the lift.



Descending

1. The 'operator' should place the rope around his back just under the shoulder blades then loop the rope around each arm to provide a braking friction.
2. The 'operator' must wear gloves whilst handling the rope at all times.
3. The body belt with rope gripping device, acting as extra security, can be used as a back-up to the traveler pulley. It is important to put the belt on before attempting the descent.
4. If the body belt and rope gripping device are used, the same procedure should be followed, except this time the rope is attached to the rope gripper instead of being held in the hand.
5. If it becomes necessary to stop the descent for any reason, the 'operator' stops the rope and pulls down about 100mm (4") and automatically engages the locking mechanism.
6. To re-start the descent, pull on the rope a further 100mm to disengage the locking mechanism.
7. Should the rate of descent become too fast (over 1.5m/sec), or the rope is accidentally let loose, the "overspeed" mechanism will operate immediately locking the rope.



Karabiners

The karabiners supplied with this kit conforms to the relevant requirements of AS/NZS1891-4 as fall protection or restraint equipment.

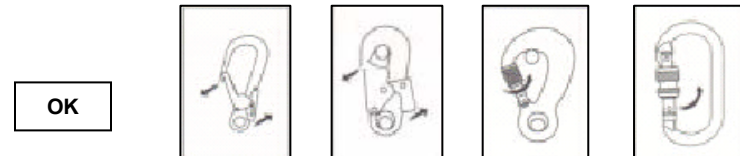
Before Use, You Must

1. Check that this unit is compatible with all other components of your safety system.
2. Check that the connector is in good condition and that the gate and locking mechanisms function correctly.

Use

To use your karabiner, open the gate of the karabiner, by unscrewing (screw gate), twist & open (double action), or lift-up twist & open (triple action).

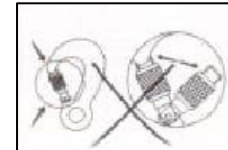
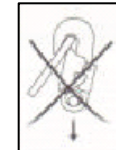
Make a connection with the personal fall protection system as required. Release the gate, ensuring that it closes completely. If the karabiner is a screw gate, screw close the gate until finger tight. Double acting and triple acting karabiners will lock automatically – but always check that the karabiner is secured.



Karabiners or other connectors must only be used in the long axis, do not load across the gate. Please ensure that you check the closure of the gate and the locking mechanism on every use. Do not hook back or choke a karabiner back onto the attached lanyard.

Do not use this equipment if:

- It shows signs of damage or wear
- You have reason to believe that this unit has sustained a fall



Tie-Off Anchorage Points

The tie off adaptor is used as an anchorage to poles, beams and scaffolding, where no permanent anchorage point exists. The anchorage point must be situated above the user and it must have a minimum strength of 15 kN as per AS/NZS1891-4 (for Fall Arrest). This unit conforms to the requirements of AS/NZS1891-4 as a fall protection or restraint anchorage point.

Before Use, You Must

- Check that the Tie Off is compatible with all other components of your safety system.
- Check that the Tie Off is in good condition and shows no signs of damage or degradation.

Do not use this Tie Off if:

- It shows signs of damage or wear
- You have reason to believe that this unit has sustained a fall
- Do not under any circumstances modify this Tie Off or use it for any application other than for which it was designed.

Fall Arrest Harness

- If the work place being entered into is regarded as a “confined space” then we recommend that the operator be wearing a full body harness (not supplied with this Kit)
- The harness may be used to provide a means of arresting a fall in **any situation** where the risk of free fall does not exceed 2 metres.
- The rear dorsal “D” is a fall arrest “D”.

Each attachment point must only be used strictly for the purpose indicated on its label. A two point spreader frame can be used to assist in the evacuation of a victim from a confined space, especially a vertical rescue situation.

- The hooks on the spreader frame are attached to the two confined space rescue “D” on the shoulder straps of the harness.
- The attachment Dee on the spreader frame is attached to the retrieval system.
- The two wrist loops may be used if required to raise the victim’s arms above their head. (This will assist in evacuation through a narrow opening and assist in keeping the victim upright).
- The victim is then carefully removed to a safe place and treated as necessary.
- Refer to AS/NZS 1891.1-4 for Confined Space procedures & practices.



Recommended spreader bar: ‘468 Frame’.

RESCUE MASTER Operating Instructions

The Rescue Master is a comprehensive kit which has been specifically designed for assisting rescues from confined space, or other difficult to access areas. The 3:1 lifting ratio of Rescue Master ensures that even a lightweight person, can with the correct technique, lift (or rescue) a much heavier person.

In-field Operation

1. Set up a Miller Tripod (either TRI-7 or TRI-9).
2. Attach tie-off to a suitable fixed structure or anchor point (minimum strength required for single person lift 15kN, for two people 21kN).
3. Attach the head block to the central eye of the tripod. Always ensure that the Rescue Master is as close as possible to vertical over the area to be entered.
4. It is imperative to ensure that all actions required as per AS/NZS 2865 “Safe working in a Confined Space” have been complied with prior to entering the confined space.
5. It is recommended that the raising or lowering of the worker proceeding to or from the work situation is performed by another person (‘the operator’) and not by the worker himself.

