



MAXSAFE[®]

USER INSTRUCTION MANUAL

GRIP HANDLE ASCENDER

**THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODELS:
MRC1(L), MRC1(R)**

USER MUST READ AND UNDERSTAND INSTRUCTIONS PRIOR TO USE

INTRODUCTION

MAXSAFE® are the producers and suppliers of Products, Training and Services for the height safety industry and working at heights. This instruction manual has been designed to assist all users in the prevention of accidents and to make good, informed choices.

The registered offices of Maximum Safety NZ Ltd are located at:
46 Vickerman Street, Port Nelson, Nelson 7010, New Zealand.
PO Box 697, Nelson 7040, New Zealand.
Telephone: 0800 262 972. Email: sales@maxsafe.co.nz

CONTENTS

Section	Subject	Page
	General User Warning	1
1	General Requirements, Warnings and Limitations,	2
2	Manufacturer	2
3	Performance and Limitations of Use	3
4	Possible Usage	3
5	Instructions for Use	3
6	Advice & Information, Table Demonstrating Performance	4
7	Marking	5
8	Others - Inspection, Cleaning, Compatibility, Storage, Damaged Product & Withdrawal from Use, Periodic Examination	5
9	Inspection and Maintenance Log	6



WARNING

DO NOT SKIP THIS INSTRUCTION MANUAL. READ THE INSTRUCTION MANUAL CAREFULLY BEFORE USING THE EQUIPMENT. FAILURE TO DO SO MAY CAUSE SERIOUS INJURY OR DEATH.

This manual must be read and understood in its entirety and used as part of the User's fall protection training program as required by AS/NZS. These instructions are intended to meet the manufacturer's instructions as required by AS/NZS 1891. The user must fully understand the proper equipment use and limitations.

This product is part of a personal restraint, work positioning, suspension, or rescue system. The user must read and follow the manufacturer's instructions for each component or part of a complete system. These instructions must be provided to the user of this equipment. The user must read and understand these instructions or have them explained to them before using this equipment. Manufacturer's instructions must be followed for proper use and maintenance of this product. Alterations or misuse of this product or failure to follow instructions may result in serious injury or death.

1. GENERAL REQUIREMENTS, WARNINGS AND LIMITATIONS:

- This equipment is designed for use as a part of a personal fall protection system. Components must not be used for any other operation other than that for which it has been designed and approved. Fall Arrest Systems are designed to comply with AS/NZS standards. Fall Restraint Systems must be designed by a Qualified Competent Person, and must be installed and used under the supervision of a Competent Person.
- All authorized persons/users must refer to the regulations governing occupational safety, as well as applicable AS/NZS standards. Please refer to product labeling for information on specific regulations, and AS/NZS standards met by the product.
- Proper precautions should always be taken to remove any obstructions, debris, material, or other recognized hazards from the work area that could cause injuries or interfere with the operation of the system. All equipment must be inspected before each use according to the manufacturer's instructions. All equipment should be inspected by a Qualified Competent Person on a regular basis as required by legislative controls.
- To minimize the potential for accidental disengagement, a competent person must ensure system compatibility.
- Equipment must not be altered in any way. Repairs must be performed only by the Manufacturer, or persons or entities authorized in writing by the Manufacturer.
- Any product exhibiting deformities, unusual wear, or deterioration must be immediately discarded. Any equipment subject to a fall must be removed from service.
- The authorized person/user shall have a rescue plan and the means at hand to implement it when using this equipment.
- Never use fall protection equipment for purposes other than those for which it was designed. Fall protection equipment should never be used for towing or hoisting.
- All synthetic material must be protected from slag, hot sparks, open flames, or other heat sources. The use of heat resistant materials is recommended in these applications.
- Never use natural materials (manila, cotton, etc.) as part of a fall protection system.
- Do not expose this equipment to chemicals which may have a harmful effect on the materials used to construct it. Be especially aware of caustic environments, or those that contain high levels of organic acids or bases. If you are uncertain about the safe operation of this equipment in any environment, contact MAXSAFE® for further instructions.
- Do not use this equipment near sharp edges and abrasive surfaces.
- Do not use this equipment around moving machinery or electrical hazards.

MAXSAFE® GRIP HANDLE ASCENDERS should be used only with the combinations of components, sub-systems or both which will not affect or interfere with the safe function of one another. Be certain that connecting devices and other elements of the PFAS are safe to use and compatible before use. Contact MAXSAFE® for further instructions.

2. MANUFACTURER:

Maximum Safety NZ Ltd, Trading as MAXSAFE®, 46 Vickerman Street, The Port, Nelson, NEW ZEALAND
PO Box 697, Nelson 7040, New Zealand | Phone: 0800 462972 | Product Helpline: 0800 262972 |
Email: sales@maxsafe.co.nz | www.maxsafe.co.nz

This MAXSAFE® GRIP HANDLE ASCENDER is classed as a Personnel Protective Equipment (PPE) by the European PPE Directive 89/686/EEC and have been shown to comply with this Directive through the Harmonized European Standard EN 567:2013.

CAREFULLY READ THESE INSTRUCTIONS BEFORE USING ASCENDER:

This Ascender is designed to minimize the risk of/provide protection against the danger of falling from heights. However, always remember that no item of PPE can provide full protection and care must always be taken while carrying out the risk related activity.

3. PERFORMANCE AND LIMITATIONS OF USE:

The Ascender has been tested in accordance with EN 567 : 2013, and have achieved the following performance levels as laid down in the norm.

4. POSSIBLE USAGE:

Use of this Ascender is feasible only in combination with other parts of the total equipment needed. Therefore, check carefully whether the product is compatible with other parts/components of the said equipment. Each of the components constituting the system ought to have the relevant CE certification.

WARNING:

- Ensure the medical condition of the user does not affect his/her safety in normal and emergency use.
- The equipment shall only be used by a person trained and competent in its safe use.
- A rescue plan shall be in place to deal with any emergencies that could arise during the work.
- Do not make any alterations or additions to the equipment without the manufacturer's prior written consent and that any repair shall only be carried out by personnel trained by the manufacturer & duly authorized by him.
- The equipment shall not be used outside its limitation, or for any purpose other than that for which it is intended.

5. INSTRUCTIONS FOR USE

Follow Step 1 to Step 6 to use this equipment:

• **Step 1:**

Pull the spring lever down and then away from you with the help of your thumb.

• **Step 2:**

Put the 10 -12mm Kernmantle rope inside the Ascender opening of the spring lever.

• **Step 3:**

Now from the outside direction press the spring lever down with the help of your thumb, it will automatically lock the rope.

• **Step 4:**

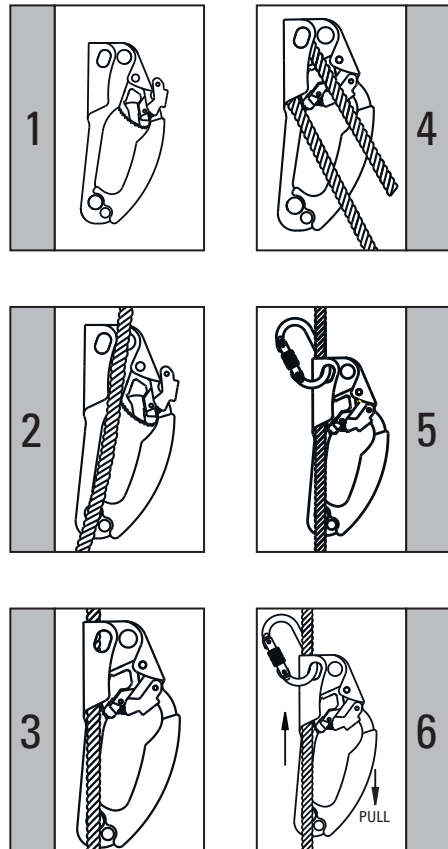
Now check the rope is locked safely with the spring lever and there is no chance of slippage downwards.

• **Step 5:**

Connect a karabiner to the two holes adjacent to the rope. It will ensure that the rope cannot slip out of the ascender.

• **Step 6:**

Before starting the ascent from the ground level, always check the ascender handle by pulling it towards yourself and ensure that the clamp locks on the rope when pulled downwards & slides upwards freely on the rope.



6. ADVICE & INFORMATION:

- It should be the personal property of its user.
- It should not be used in highly acidic or basic environments.
- The ascender has been tested to EN 567:2013 and is appropriate only for single person use with an energy absorber as per EN 355:2002.
- Ensure that the structure on to which the anchor is fitted is strong enough to withstand a load of 15kN.
- Ensure that the equipment is compatible with other items when assembled into a system.

**MAXSAFE: MRC1 LEFT, MRC1 RIGHT
FOR ROPE : 10-12MM**

EN 567 : 2013 test	Result/Comment
Design & Ergonomics (Clause 4.1)	Achieves required performance as stated in EN 567:2013 (Pass) Lock onto rope and accessory cord of diameter between 10 mm & 12 mm(Pass) Ascenders lock automatically when tension is applied in the 'downward' direction. Rope allowed to slip freely when force is applied to the rope clamp in the upward direction (Pass). No visual evidence of significant damage to ropes or cords following strength testing (Pass). Minimum width of handle opening=32mm (Pass)
Static Strength (EN 567:2013)	Testing using 10mm rope: Reference MRC1 L subjected to 4kN applied 5 times in succession without visual evidence of damage to device or rope. Reference MRC1 subjected to 4kN applied 5 times in succession without visual evidence of damage to device or rope.
Pushing Test	Testing using 12mm rope Reference MRC1 R subjected to 4kN applied 5 times in succession without visual evidence of damage to device or rope. Reference MRC1 subjected to 4kN applied 5 times in succession without visual evidence of damage to device or rope.
Pulling Test	Maximum rope diameter: 12mm No damage occurred to rope or rope clamp after 400N force applied. Minimum rope diameter: 10mm No damage occurred to rope or rope clamp after 400N force applied. Maximum rope diameter: 12mm No damage occurred to rope on rope clamp after 2000N force applied. Minimum rope diameter: 10mm No damage occurred to rope or rope clamp after 2000N force applied.

7. MARKING

This MAXSAFE® GRIP HANDLE ASCENDER is marked with:

- (i) The CE mark showing that the product meets the requirements of the PPE directive 89/686/EEC
- (ii) Identification of the manufacturer
- (iii) Type or product code
- (iv) Product description
- (v) Batch No. for traceability
- (vi) Norm Reference.

8. OTHERS:

INSPECTION

Visually inspect the system before each use to ensure that it is in a serviceable condition and is operating correctly. If during inspection, doubts are raised about the safety of the system or a component, these should be replaced either by the manufacturer or a competent person.

CLEANING

Cleaning after use is important for maintaining the safety and longevity of the product. Remove all dirt, corrosives, and contaminants from the product before and after each use. If the product cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean the product with corrosive substances.

COMPATIBILITY

To optimize protection, in some instance it may be necessary to use the product with suitable boots/gloves/helmet or earmuffs. In this case, before carrying out the risk-related activity, consult your supplier to ensure that all your protective products are compatible and suitable for your application.

STORAGE

When not in use, store the product away where it will not be affected by heat, light, excessive moisture, or other degrading elements and away from heavily acidic or chemically hazardous environments. Never place heavy items on top of it.

DAMAGED PRODUCT & WITHDRAWAL FROM USE

- If the product becomes damaged it will not provide the optimum protection and therefore should be immediately replaced. Withdraw it from use. Never use damaged products.
- If the system has been used to arrest a fall, it should be removed from service immediately and destroyed.

PERIODIC EXAMINATION

- It is important to conduct regular periodic examination of the product because the safety of the user depends upon the continued efficiency and durability of the product.
- The frequency of examination should be at least once in a year. However, it can be more than once if legislation requires, or frequency of use is high or environmental conditions have an adverse affect on it (eg. excessive rain, sea side environment, excessive heat etc).
- It is emphasized that the examination be conducted only by a competent person and strictly in accordance with the manufacturer's periodic examination procedures.
- It is also advised the competent person be correctly trained and authorized by the manufacturer.
- Ensure that all markings on the product are legible and can be clearly read.
- It is the responsibility of the User to keep the Inspection & Maintenance Log up-to-date (refer to Back Cover).

