



MAXSAFE[®]

USER INSTRUCTION MANUAL

TEMPORARY VERTICAL LIFELINE ASSEMBLY

THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODELS:

MTVLA-KR15, MTVLA-KR30

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

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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® TEMPORARY VERTICAL LIFELINE ASSEMBLY 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. INSTRUCTIONS FOR USE:

Temporary Vertical Lifeline Assembly

The MTVLA-KR15 and MTVLA-KR30, are guided type fall arresters on a flexible anchorage line made of a Kermantle Rope of diameter of 11mm. It accompanies the user without requiring manual adjustment during upward or downward movement, and locks automatically on the anchorage line when a fall occurs. The length of lanyard to be used for connection between the fall arrester and harness including two karabiners and energy absorber should be 460mm.

Follow Step 1 to Step 4 to use the Fall Arrester.

1. Connect the upper end of the anchorage line with the help of the Karabiner to the anchorage point. Ensure that the anchorage point has a strength of 15kN or greater.
2. Now connect the Karabiner of the Rope Grab to the attachment element of your Full Body Harness. Ensure that the Karabiner is locked tight.
3. The user is now free to move up and down while pressing the Rope Grab grip handle as shown in Figure 1.
4. Ensure that when you are working, the Rope Grab grip is released to its normal position.

3. PERFORMANCE AND LIMITATIONS OF USE:

This Fall Arrester is designed to minimise 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 risk related activities.

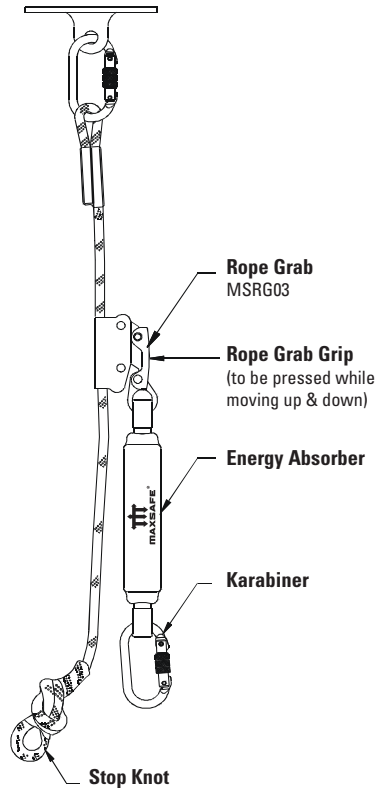
The Fall Arrester has been tested in accordance with EN 353-2:2002 and has achieved the following performance levels :

EN 353-2:2002 TEST

RESULT/COMMENT

EN 353-2:2002 TEST	RESULT/COMMENT
Clause 4.1 Design & Ergonomics	Achieves required performance as stated in EN 353-2:2002 (PASS).
Clause 4.2 Materials & Construction	No unnecessary features which add significantly to overall mass (PASS).
Clause 4.3 Locking after Conditioning (EN 364:1992)	After conditioning, it locks & remains locked until released with 5kg Mass (PASS)
Clause 4.4 Static Strength	15kN sustained for 3 minutes without release (PASS).
Clause 4.5 Dynamic Performance (EN 364:1992)	Arrest force 4kN, Arrest distance 1.21 m (PASS).
Clause 4.7 Corrosion Resistance (EN 364:1992)	Corrosion test in accordance with ISO 9227:1990-24 hours (PASS).

FIG. 1



4. PROTECTION AGAINST HAZARDS DURING USE:

- While using the anchorage line make sure that it is not positioned in such a way that the user trips over it.
- While using the anchorage line ensure that no sharp edges or objects near it that can cause abrasion and damage.
- Improper use by untrained person or person lacking sufficient safety awareness.
- Inappropriate combination with other equipment.
- Inappropriate use of the Fall Arrester in relation to the risk concerned (eg. using the fall restraint arrester as a fall arrest).
- Unnecessary physical loading (static or dynamic).
- Aging due to cold, heat, moisture and direct sunlight.
- Deterioration due to chemicals such as oils, acids, solvents and sea water.
- Deterioration through mechanical wear, water or soiling.
- Inappropriate storage, maintenance or cleaning.

5. INSTRUCTIONS FOR MAINTENANCE:

- Proper maintenance of the equipment is essential for its successful performance.
- Regular cleaning is essential. In case of minor soiling, wipe with cotton cloth or soft brush.
- Do not use abrasive material. For intensive cleaning, it can be washed with water using neutral detergents.
- Do not use acid or basic detergents.
- Strictly follow the cleaning procedure as mentioned.
- If the fall arrest becomes wet, it should be allowed to dry naturally and kept away from direct heat.
- Store in a cool dry place. Avoid humid and acidic environment for storage.

LIFESPAN:

The expected lifespan of the Fall Arrester is five years but inspection before each use is compulsory. The lifespan greatly depends upon the conditions of usage of the product.

6. MARKINGS

The Fall Arrester 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) Batch Number
- (v) Year of Manufacture
- (vi) Right Direction of Usage.

7. 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).

