



MAXSAFE®

USER INSTRUCTION MANUAL

KARABINERS & HOOKS

THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODELS:

MK-TAA-S, MK-TAA-ALU, MH-RH-ALU, MAH, MTH-L

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.

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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 Fall Arrest System, Fall Restraint System, Work Positioning System, 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.

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® KARABINERS 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.

KARABINER AND HOOKS RANGE

MAXSAFE CODE	DESCRIPTION
MK-TAA-S	KARABINER - STEEL TRIPLE ACTION ANSI
MK-TAA-ALU	KARABINER - ALUMINIUM TRIPLE ACTION ANSI
MH-RH-ALU	ALUMINIUM REBAR HOOK (FOR RESCUE POLE MRP1)
MAH	ANCHORAGE HOOK
MTH-L	LARGE ANSI STEEL TOWER HOOK 50MM GATE

MANUFACTURER:

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This connector is classed as a Personal Protective Equipment (PPE) by the European PPE Directive 89/686/EEC and has been shown to comply with this directive through the Harmonized European Standard BS EN 362:2004.

- a) This connector is used for connecting two or more components of a fall arrest system. Generally, all components have attachment elements, or loops or eyes etc which can facilitate easy connection to the other component by use of a connector. The connector can also be used as a fixed termination in a lanyard or energy absorber.
- b) For connectors with self-closing and manual locking gates, it is recommended that they should only be used where the user does not have to attach and remove the connector frequently.

CAREFULLY READ THESE INSTRUCTIONS BEFORE USING THIS PRODUCT

Remember that no item of PPE can provide full protection and care must always be taken while carrying out the risk related activity.

PERFORMANCE AND LIMITATIONS OF USE

The connector has been tested in accordance with ANSI Z359.12 and found to achieve the specified performance levels.

- c) A connector should never be loaded across its gate.
- d) Screw link (Class Q) connectors should only be used where connections are infrequent.
- e) Screw link connectors are only safe for use when the screw motion gate is fully closed. Ensure this by tightening them to the last possible point.
- f) The chart below shows materials of connectors made by MAXSAFE® along with their openings:

MAXSAFE REF N°	MK-TAA-S	MK-TAA-ALU	MH-RH-ALU	MAH	MTH-L
MATERIAL	ALLOY STEEL	ALUMINIUM ALLOY	ALUMINIUM ALLOY	STAINLESS STEEL	ALUMINIUM ALLOY
OPENING IN mm	22	17	60	110	50
MINIMUM BREAKING STRENGTH IN kN	40	23	23	23	23

- g) The length of connector should be taken into account when used in a fall arrest system.
- h) Avoid situations that may reduce the strength of the connector (eg. connecting to wide straps).

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).

