



MAXSAFE[®]

USER INSTRUCTION MANUAL

TWO MAN HORIZONTAL WEBBING SAFETY LINE

**THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODELS:
MS2MHWSL**

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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CONTENTS

Subject	Page
Introduction, General User Warning	1
General Requirements, Warnings and Limitations	2
Performance and Limitations For Use. Information for Use, Important Information	3
Warnings, Advice & Information, Markings	4
Others - Inspection, Cleaning, Compatibility, Storage, Damaged Product & Withdrawal from Use, Periodic Examination	5
Inspection & 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 5532: 2013. The user must fully understand the proper equipment use and limitations.

This product is part of a Personal Fall Arrest System, Fall Restraint System, and Work Positioning 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® TWO MAN HORIZONTAL WEBBING SAFETY LINE 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.

TWO MAN HORIZONTAL WEBBING SAFETY LINE:

MAXSAFE® CODE: MS2MHWSL

APPLICABLE SAFETY STANDARDS

When used according to instruction specifications, this product meets or exceeds all applicable standards for fall protection including:
BS EN 795:1996 Type C and CEN/TS 16415:2013 Type C, OSHA 1926 Subpart M, OSHA 1910, ANSI Z359.1-2007, and ANSI A10.32-2012.



PERFORMANCE AND LIMITATIONS OF USE:

The lifeline has been tested in accordance with EN 795:1996 and has achieved the following performance levels:

EN 795:1996 TEST	RESULT/COMMENT
Clause 4.2 General requirements for anchor device	(PASS).
Clause 4.3.2 Static Strength	11kN sustained for 3 minutes without release (PASS).
Clause 4.3.2 Dynamic Performance	(PASS).
Clause 4.7 Corrosion Resistance	(PASS).

INFORMATION FOR USE:

The Two Man Horizontal Webbing Safety Line - MS2MHWSL is to be used as a mobile anchorage line in applications where there is no permanent anchorage line along a length. However, there is a restriction of 20 metres length maximum. It is ideal for usage between 3-20 metres. It can also be used for 2 persons simultaneously and has been tested accordingly.

HOW TO USE:

Follow the steps below to use the Anchorage Line:

Step 1 - Identify two anchorage points, not exceeding 20metres distance. Ensure the strength of all anchors is 15kN or more by consulting a competent person who can assess such anchorage points.

Step 2 - Now attach the Karabiner on the shorter side of the anchorage line to one of the anchor points.

Step 3 - Unreel the webbing roll taking the other Karabiner and connecting to the other anchor point.

Step 4 - Now pull out the extra webbing in the ratchet such that the anchorage line becomes taut.

Step 5 - Now use the Ratchet Tensioner to tighten the anchorage line. Ensure it is not over-tightened. Just roll the extra webbing manually and pack it in to the bag.

Step 6 - Now connect the termination Karabiner or snap hook of either a lanyard or self retractable lanyard to the anchorage line while connecting the other end to the attachment element of your harness. Make sure that the lanyard is as per EN 355:2002 or the self retractable lanyard is as per EN 360:2002.

Step 7 - You can now work comfortably along the anchorage line while remaining connected at all times.

IMPORTANT INFORMATION:

- Horizontal Anchor Lines and Anchor Points need to be above the user's head.
- Horizontal Anchor Lines are intended for use on spans no greater than 20metres.
- Refer to the table below for peak forces for a fall of a 100kg person:

SPAN	PEAK FORCE IN LANYARD	PEAK LINE TENSION	PEAK LINE DEFLECTION
3.0 metres	6.6 kN	11.1 kN	0.36 metres.
10.0 metres	5.5 kN	10.5 kN	1.45 metres.
20.0 metres	4.8 kN	9.2 kN	2.43 metres.

WARNINGS:

- Ensure that 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.
- The equipment shall not be used outside its limitation, or for any purpose other than that for which it is intended.

ADVICE & INFORMATION:

- The equipment should be the personal property of the User.
- Ensure that the equipment is compatible with other items when assembled into a system.
- Usage with other incompatible items may be dangerous and hazardous as the safe function of one item may be affected or interferes with the safe function of another.
- The User should carry out a pre-use check of the equipment, to ensure that it is in a serviceable condition and operates correctly before it is used.
- The pre-use check shall involve checking for any wear or abrasion on webbings, and signs of corrosion on metal parts.
- Withdraw from use immediately if there is any doubt about its safe condition or if it has already arrested a fall.
- Ensure that the strength of the permanent anchor points to which the lifeline is connected is 15kN or more.
- Connect to the anchor devices using Karabiner as per EN 362:2004 and ensure that they are locked correctly.
- It is advisable to connect the dorsal attachment D-Ring of the harness to the anchorage line. However, the front attachment may be used if the dorsal attachment D-ring is not possible.
- It is essential to ensure that the free space beneath the user is not less than 6 metres to allow for line deflection during a fall so no collision with the ground or other obstacle in the fall path occurs.
- Following conditions may be hazardous and may affect the performance of equipment:
 - (a) Extreme temperatures
 - (b) Trailing or looping of lanyards over sharp edges.
 - (c) Extreme acidic or hazardous environments.
 - (d) Abrasive or sharp edge structures which can damage the equipment.
 - (e) Pendulum falls.
- Ensure that manufacturer's packing is used during transportation to prevent damage. In case original packing is not available, use polybag which is sealed to prevent moisture.
- If used correctly, the equipment has a life of 5 years from the date of manufacture unless subjected to severe abrasions or extreme temperature/climatic condition.

MARKING:

- (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/Lot N°.
- (v) Year of Manufacture
- (vi) Material
- (vii) Serial N°.

**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).

INSPECTION AND MAINTENANCE LOG

SERIAL NUMBER:	
MODEL NUMBER:	
DATE PURCHASED:	DATE OF FIRST USE:

INSPECTION DATE	INSPECTIONS ITEMS NOTED	CORRECTIVE ACTION	MAINTENANCE PERFORMED
Approved by:			
Approved by:			
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