

USER MANUAL

TEMPORARY HORIZONTAL ROPE ANCHORAGE LINE

PC. 915132 (FOR 2 MAN)
PC. 915134 (FOR 4 MAN)



CE 0598

EN 795 : 2012 Type C
TS 16415 : 2013 Type C

This equipment is intended for use by people who have received proper training and are competent.

1300 100 120

www.austlift.com.au

AUSTRALIAN LIFTING CENTRE PTY LTD

WARNING!! Do not skip this instruction manual. Read the instruction manual carefully before using the equipment. Failure to do so may result in serious Injury or Death.

Note: The user is advised to keep the user manual for the life of the product.

- Manufacturer** : Australian Lifting Centre, 43 Frank St Wetherill Park, NSW 2164, Tel: +61 2 9757 2277
- Certification Body** : SATRA Technology Europe Ltd, Bracetown Business Park, Clonee, Dublin D15 YN2P Ireland (Notified Body 2777)
- Ongoing Assessment Body** : SGS Fimko Oy, Takomotie 8, FI-00380 Helsinki, Finland (Notified Body 0598)

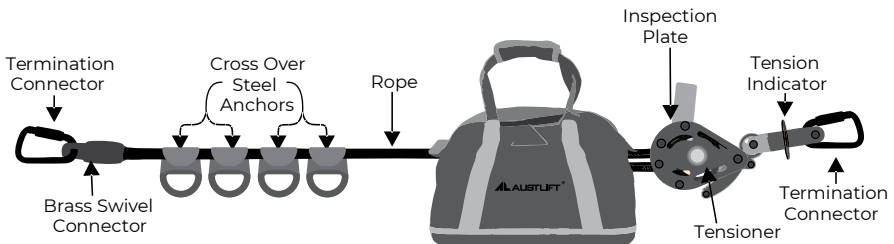
1. INTRODUCTION

This manual must be read and understood in its entirety, and used as a part of an employee training program as required by OSHA or any applicable state agency. This and any other included instructions must be made available to the user of the equipment. The user must understand how to safely and effectively use the product, and all fall safety equipment used in combination with it.

Temporary Horizontal Rope Anchorage Line for 2 Man (915132)



Temporary Horizontal Rope Anchorage Line for 4 Man (915134)



Technical Specification:

Code	Rope Type	Tensioner Material	Attachment Ends	Anchorage Type	Max. Users	Min-Max. Span Length	Weight
915132	Kernmantle Rope of dia 16mm	Galvanized Steel	Stitched Loop & Stop Knot	Cross Over Anchor x2	2 users	5m to 25m	9.02kg
915134		Aluminium & Stainless Steel	Swivel brass connector & Stop Knot	Cross Over Anchor x4	4 users		10.11kg

2. APPLICABLE SAFETY STANDARDS

When used according to instruction specifications, this product meets or exceeds all applicable **EN 795: 2012 Type C & TS 16415 Type C** standards for fall protection. Applicable standards and regulations depend on the type of work being done, and also might include state-specific regulations. Consult regulatory agencies for more information on personal fall arrest systems and associated components.

3. APPLICATIONS

Easy to carry and install, the Temporary Horizontal Anchorage Line provides a suitable and safe anchorage horizontally along the entire length.

WARNING: Use of equipment in unintended applications may result in serious injury or death. Maximum 1 attachment per connection point.

- **Personal Fall Arrest:** 915132 must be used to support a MAXIMUM 2 Personal Fall Arrest Systems for use in Fall Arrest applications. 915134 must be used to support a MAXIMUM 4 Personal Fall Arrest Systems for use in Fall Arrest applications.
- **Restraint:** Product may be used in Restraint applications. Restraint systems prevent workers from reaching the leading edge of a fall hazard. Always account for fully deployed length of Lanyard/SRL. No free fall is permitted.
- **For All Applications:** Worker weight capacity range (including all clothing, tools, and equipment) is 40-100kg.
- **Never for Simultaneous use in Fall Arrest and Restraint.**

4. WORKER CLASSIFICATIONS

- **Qualified Person:** A person with an accredited degree or certification, and with extensive experience or sufficient professional standing, who is considered proficient in planning and reviewing the conformity of fall protection and rescue systems
- **Competent Person:** A highly trained and experienced person who is ASSIGNED BY THE EMPLOYER to be responsible for all elements of a fall safety program, including, but not limited to, its regulation, management, and application. A person who is proficient in identifying existing and predictable fall hazards, and who has the authority to stop work in order to eliminate hazards.

- **Authorized Person:** A person who is assigned by their employer to work around or be subject to potential or existing fall hazards. **It is the responsibility of a Qualified or Competent person to supervise the job site and ensure all applicable safety regulations are complied with.**

5. INSPECTION

- Prior to EACH use, inspect the Anchorage Line for deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration, broken stitching, fraying, birdcaging, and missing or illegible labels. IMMEDIATELY remove the Anchorage Line from service if defects or damage are found, or if exposed to forces of fall arrest.
- Ensure that applicable work area is free of all damage, including, but not limited to, debris, rot, rust, decay, cracking, and hazardous materials. Ensure that selected work area will support the application-specific minimum loads set forth in this instruction manual. Work area MUST be stable.
- At least every 6 months, a competent person other than the user must inspect the Anchorage Line and record data in the inspection grid of the label. The grid must also be signed, with the mention of month and year of inspection.
- During inspection, consider all applications and hazards the Anchorage Line has been subjected to.
- Equipment must be inspected for defects, including, but not limited to, the absence of required labels or markings, improper form/fit/function, evidence of cracks, sharp edges, deformation, corrosion, excessive heating, alteration, excessive wear, fraying, knotting, abrasion, and absence of par ts.
- Equipment that fails inspection in any way must immediately be removed from use, or repaired by an entity approved by the manufacturer.
- Equipment subjected to forces of fall arrest must immediately be removed from use. Snap hooks, karabiners, and other connectors must be selected and applied in a compatible fashion. All risk of disengagement must be eliminated. All snap hooks and karabiners must be self-locking and self-closing, and must never be connected to each other.

6. PRECAUTIONS

- Ensure the Medical condition of the user does not affect his safety in normal and emergency use.
- Age, fitness, and health conditions can seriously affect the worker should a fall occur. Consult a doctor if there is any reason to doubt a user's ability to withstand and safely absorb fall arrest forces or perform set-up of equipment.
- Pregnant women and minors must not use this equipment. Physical harm may still occur even if fall safety equipment functions correctly. Sustained post-fall suspension may result in serious injury or death. Use trauma relief straps to reduce the effects of suspension trauma. Allowable individual worker weight limit (including all equipment), unless explicitly stated otherwise, is 40- 100 kgs.

- The equipment shall only be used by a person trained and competent in its safe use.
- A pre-planned rescue procedure in the case of a fall is required. The rescue plan must be project specific. The rescue plan must allow employees to rescue themselves, or provide an alternative means for their prompt rescue.
- Store rescue equipment in an easily accessible and clearly marked area.
- It is essential to verify free space required beneath the user at work place before each occasion of use so that in case of a fall there will be no collision with ground or other obstacle in the fall path.
- Workplace conditions, including, but not limited to, flame, corrosive chemicals, electrical shock, sharp objects, machinery, abrasive substances, weather conditions, and uneven surfaces, must be assessed by a Competent Person before fall protection equipment is selected.
- The analysis of the workplace must anticipate where workers will be performing their duties, the routes they will take to reach their work, and the potential and existing fall hazards they may be exposed to. Fall protection equipment must be chosen by a Competent Person. Selection must account for all potentially hazardous workplace conditions. All fall protection equipment should be purchased new and in an unused condition.
- Fall protection systems must be designed in a manner compliant with all federal, state, and safety regulations.
- Forces applied to anchors must be calculated by a Competent Person.
- Harnesses and connectors selected must be compliant with manufacturer's instructions, and must be of compatible size and configuration.
- Training of Authorized Persons to correctly erect, disassemble, inspect, maintain, store, and use the equipment must be provided by a Competent Person.
- Training must include the ability to recognize fall hazards, minimize the likelihood of fall hazards, and the correct use of personal fall arrest systems.

7. PRE-USE CHECK

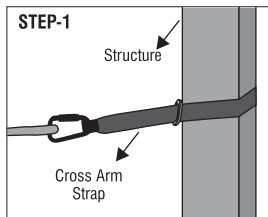
Prior to use, plan your system:

- Ensure all Personal Fall Protection System equipment are selected and deemed compatible by a Competent Person.
- Eliminate or minimize all risk of swing fall.
- Determine the desired location for the horizontal Anchorage Line and ensure the area is free of debris, rot, decay, cracking, and hazardous materials.
- Installation, set-up, and use of the horizontal Anchorage Line system must be done under the supervision of a Qualified Person.

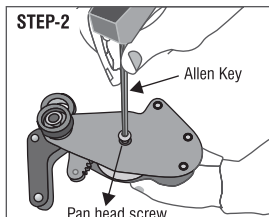
8. INSTALLATION

8.1 INSTALLATION STEPS OF 915132

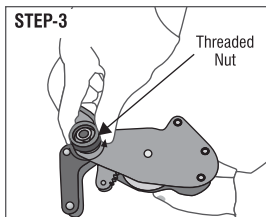
NOTE: The receiving structure onto which Anchorage Line is to be installed must be strong enough to hold an impact load of more than 21kN.



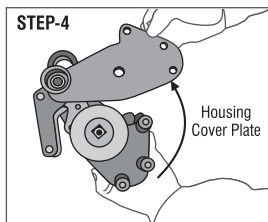
With the help of a karabiner attached to the thimble eye of Anchorage Line, connect the rope to a suitable anchorage point. (In case of any unavailability anchor point, it is recommended to use the Austlift Cross Arm Strap or a suitable anchor sling of over 21 kN to create one.)



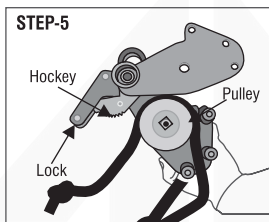
Remove the Pan head screw with the appropriate Allen key.



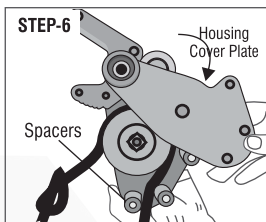
Loosen the threaded nut.



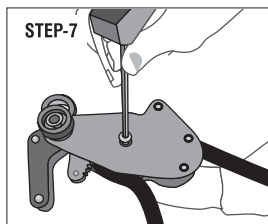
Slide open the housing cover plate.



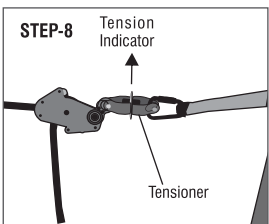
Pull back the Hockey and the Lock; doing so creates an adequate gap for inserting the rope around the pulley. For the direction of rope insertion, please refer above image.



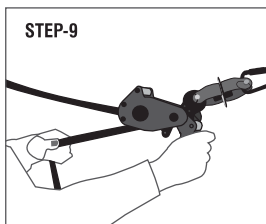
Slide back the cover plate and ensure that hole on cover plates match with spacer on the fixed cover plate



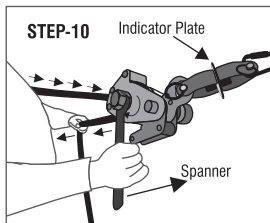
Once aligned, re-tighten the threaded nut and put back Pan head screw to the fullest to hold the cover plates in position.



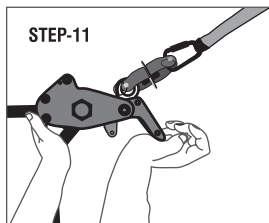
Now connect the tensioner along with tension indicator to the second anchorage point by attaching a karabiner to the tension indicator connected directly with the hockey eye of tensioner.



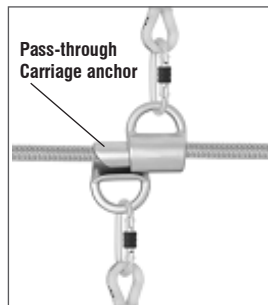
Pull the initial slack of rope by hand and ensure that rope is seated properly in the groove of the pulley.



Use an open end spanner of 30mm provided along with tensioner to give appropriate tension to the Anchorage Line. Plate of Tension indicator will start to rotate freely once the required tension has been achieved in Anchorage Line. Now, O rings/ pass-through carriages can be used as mobile anchors by the workers.



To uninstall the Anchorage Line, push the lock backwards in order to pull back the hockey. Hockey will release the pulley and allow rope to loosen. Now Anchorage Line may be taken off from the anchorage. After uninstallation, inspect the entire Anchorage Line for any evidence of damage, wear, corrosion on tensioner body and separation of rope fibers.

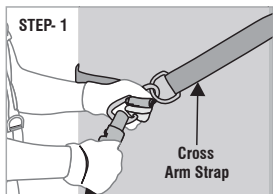


NOTE: 915132 is provided with pass-through carriage anchor for single span horizontal Anchorage Line to allow the 2 users to cross each other when required. Cross over steel anchors minimize the risk of fall during crossing over the other user without getting disengaged from the Anchorage Line.

WARNING: Failure to understand and comply with safety regulations may result in serious injury or death. Regulations included herein are not all-inclusive, are for reference only, and are not intended to replace a Competent Person's judgment or knowledge of federal or state standards.

8.2 INSTALLATION STEPS OF 915134

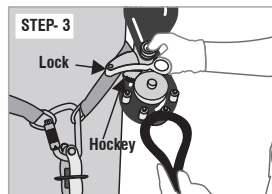
NOTE: The receiving structure onto which Anchorage Line is to be installed must be strong enough to hold an impact load of more than 21kN.



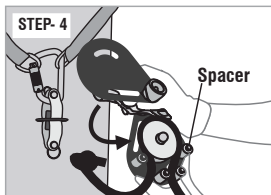
With the help of a karabiner attached to the thimble eye of Anchorage Line, connect the rope to a suitable anchorage point. (In case of any unavailability of anchor point, it is recommended to use Austlift Cross Arm Strap to create one.)



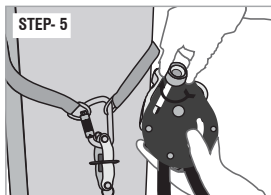
Loosen the knob to slide open the housing cover plate.



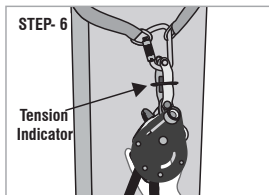
Pull back the Hockey and Lock Body so as to create adequate gap to insert rope around the pulley. Please refer the image for the direction of rope insertion.



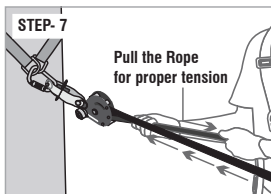
Slide back the cover plate and ensure that hole on cover plates matches with the spacer on the fixed cover plate.



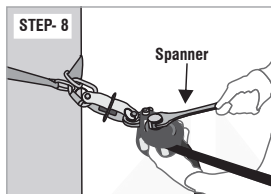
Once aligned, re-tighten the knob to the fullest to hold the cover plates in position.



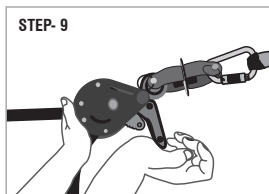
Now connect the tensioner to the second anchorage point along with tension indicator by attaching a karabiner to the hokey eye of tension indicator.



Pull the initial slack of rope by hand and ensure that rope is seated properly in the groove of pulley.

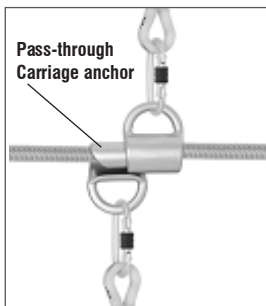


Use an open end spanner of 24mm provided along with tensioner to give appropriate tension to the Anchorage Line. Plate of Tension indicator will start to rotate freely once the required tension has been achieved in Anchorage Line. Now, O rings/ pass through carriages can be used as mobile anchors for the workers.



Now the Anchorage Line may be taken off from the anchorage. After uninstallation, inspect the entire Anchorage Line for any evidence of damage, wear, corrosion on tensioner body and separation of rope fibers.

WARNING: Failure to understand and comply with safety regulations may result in serious injury or death. Regulations included herein are not all-inclusive, are for reference only, and are not intended to replace a Competent Person's judgment or knowledge of federal or state standards.



NOTE: 915134 is provided with pass-through carriage anchor for single span horizontal Anchorage Line to allow the 4 users to cross each other when required. Cross over steel anchors minimize the risk of fall during crossing over the other user without getting disengaged from the Anchorage Line.

9. IMPORTANT TECHNICAL INFORMATION

The Horizontal Anchorage Line and the anchor points need to be above the user's head. **915132** is intended for use on span up to 25M for a fall of 1 user or 2 users, with anchor line fitted on spans of 5M to 25M. **915134** is intended for use on span up to 25M for a fall of up to 4 users, with anchor line fitted on spans of 5M to 25M. The typical peak line deflection from the original position are stated in table below.

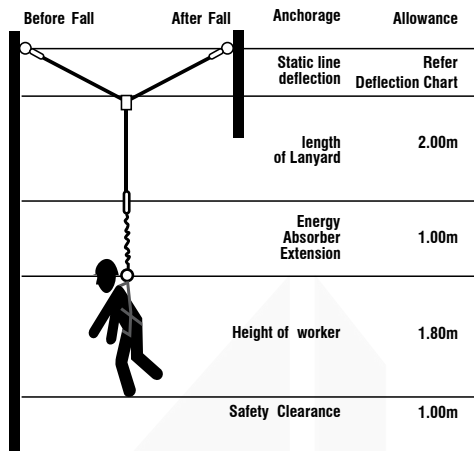


Fig. 1

915132

Deflection Chart		
Span Length \ Users	1	2
1 mtrs	0.61	0.66
2 mtrs	0.75	0.82
3 mtrs	0.90	0.99
4 mtrs	1.04	1.15
5 mtrs	1.18	1.31
6 mtrs	1.32	1.47
7 mtrs	1.47	1.64
8 mtrs	1.61	1.80
9 mtrs	1.75	1.96
10 mtrs	1.89	2.12
11 mtrs	2.04	2.29
12 mtrs	2.18	2.45
13 mtrs	2.32	2.61
14 mtrs	2.46	2.77
15 mtrs	2.61	2.94
16 mtrs	2.75	3.10
17 mtrs	2.89	3.26
18 mtrs	3.03	3.42
19 mtrs	3.18	3.59
20 mtrs	3.32	3.75
21 mtrs	3.46	3.91
22 mtrs	3.60	4.07
23 mtrs	3.75	4.24
24 mtrs	3.89	4.40
25 mtrs	4.03	4.56

915134

Deflection Chart				
Span Length \ Users	1	2	3	4
5 mtrs	1.18	1.31	1.18	1.18
6 mtrs	1.32	1.47	1.33	1.33
7 mtrs	1.47	1.64	1.47	1.47
8 mtrs	1.61	1.80	1.62	1.62
9 mtrs	1.75	1.96	1.77	1.77
10 mtrs	1.89	2.12	1.92	1.92
11 mtrs	2.04	2.29	2.06	2.06
12 mtrs	2.18	2.45	2.21	2.21
13 mtrs	2.32	2.61	2.36	2.36
14 mtrs	2.46	2.77	2.50	2.50
15 mtrs	2.61	2.94	2.65	2.65
16 mtrs	2.75	3.10	2.80	2.80
17 mtrs	2.89	3.26	2.94	2.94
18 mtrs	3.03	3.42	3.09	3.09
19 mtrs	3.18	3.59	3.24	3.24
20 mtrs	3.32	3.75	3.39	3.39
21 mtrs	3.46	3.91	3.53	3.53
22 mtrs	3.60	4.07	3.68	3.68
23 mtrs	3.75	4.24	3.83	3.83
24 mtrs	3.89	4.40	3.97	3.97
25 mtrs	4.03	4.56	4.12	4.12

10. LIMITATIONS

- NEVER use fall protection equipment to hang, lift, support, or hoist tools or equipment, unless explicitly certified for such use.
- Equipment subjected to forces of fall arrest must immediately be removed from use. Snap hooks, karabiners, and other connectors must be selected and applied in a compatible fashion. All risk of disengagement must be eliminated. All snap hooks and karabiners must be self-locking and self-closing, and must never be connected to each other.
- **Fall Clearance:** There must be sufficient clearance below the anchorage connector to arrest a fall before the user strikes the ground or an obstruction. When calculating fall clearance, account for a MINIMUM 1M safety factor, deceleration distance, user height, length of Lanyard/SRL, and all other applicable factors as shown in fig. 1.
- **Swing Falls:** Prior to installation or use, make considerations for eliminating or minimizing all swing fall hazards. Swing falls occur when the anchor is not directly above the location where a fall occurs. Always work as close to in line with the anchor point as possible. Swing falls significantly increase the likelihood of serious injury or death in the event of a fall.
- **Compatibility:** When making connections with this lifeline, eliminate all possibility of roll-out. Roll-out occurs when interference between a hook and the attachment point causes the hook gate to unintentionally open and release. All connections must be selected and deemed compatible with this lifeline by a Competent Person.
- Workplace conditions, including, but not limited to, flame, corrosive chemicals, electrical shock, sharp objects, machinery, abrasive substances, weather conditions, and uneven surfaces, must be assessed by a Competent Person before fall protection equipment is selected.
- Fall protection systems must be selected and installed under the supervision of a Competent Person, and used in a compliant manner.

11. REPAIR

If the product becomes damaged, it will NOT provide the optimum level of protection, and therefore should be immediately either replaced or repaired. Never use the damaged product. Repair is permitted, provided that it is either done by the manufacturer or a competent repair centre or individual approved by the manufacturer.

- No on-site repair of equipment unless explicitly permitted by the manufacturer.

12. MAINTENANCE, CLEANING, AND STORAGE

- Repairs to this product can only be made by a competent person or an entity authorized by manufacturer. If a 4-Person Rope HLL fails inspection in any way, immediately remove it from service, and contact manufacturer to inquire about its return or repair.
- 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 4-Person Rope HLL with corrosive substances.
- When not in use, store equipment where it will not be affected by heat, light, excessive moisture, chemicals, or other degrading elements.
- Maintenance of equipment must be done according to manufacturer's instructions. Equipment instructions must be retained for reference.

13. WARNING

- DO NOT ALTER OR MISUSE THE EQUIPMENT.
- Failure to understand and comply with safety regulations may result in serious injury or death. Regulations included herein are not all inclusive, are for reference only, and are not intended to replace a Competent Person's judgment or knowledge of federal or state standards.
- Use of equipment in unintended applications may result in serious injury or death. Maximum 1 attachment per connection point.
- NEVER use fall protection equipment of any kind to hang, lift, support, or hoist tools or equipment, unless explicitly certified for such use.

14. WARRANTY

All AUSTLIFT products bear 1-year warranty against manufacturing defects, applicable on Unused AUSTLIFT products, from the date of purchase. However, AUSTLIFT shall not be liable for any accident or damage while the product is in use.

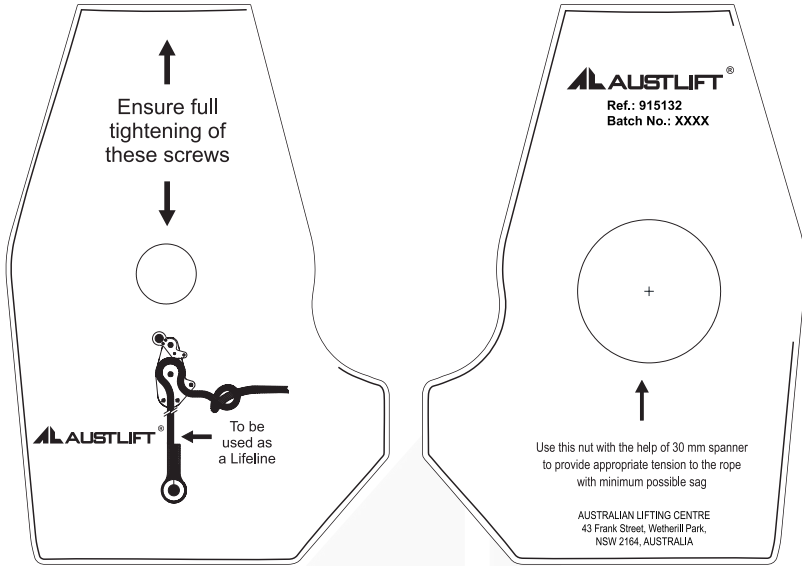
15. LIFESPAN

The estimated product lifespan of this product is 10 years from the date of entry into service, if no service entry date is recorded on product date of manufacture must be used. The following factors can reduce the lifespan of the product: intense use, contact with chemical substances, specially aggressive environment, extreme temperature exposure, UV exposure, abrasion, cuts, violent impacts, bad use or maintenance.

16. DISCLAIMER

This information on the product is based upon technical data that AUSTLIFT obtained under laboratory conditions and believes to be reliable. AUSTLIFT does not guarantee results and takes no liability or obligation in connection with this information. As conditions of end use are beyond our control it is the user's responsibility to determine the hazard levels and the use of proper personal protective equipment. Persons having technical expertise should undertake evaluation under their own specific end-use conditions, at their own discretion and risk. Please ensure that this information is only to check that the product selected is suitable for the intended use. Any product that is damaged, torn, worn or punctured should be immediately discontinued from usage.

915132 LABEL & MARKING



INSPECTION PLATE

SPECIFICATIONS:

Maximum capacity-Two person with a maximum weight of 100Kg (each person), when used as a temporary horizontal Lifeline for a personal fall arrest or restraint system.

Material of construction: Tensioner Galvanized steel. This device meets EN 795:2012 Type C & TS16415:2013 Type C requirements for use as an anchorage connector.

Inspection Grid

V	R	M	J	F	M	A	M	J	J	A	S	O	N	D
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Inspection – Product must be inspected by the user/authorized person before each use. A competent person must check & record at intervals of every 3 months.

WARNING: READ CAREFULLY BEFORE USING

Manufacturer's Instructions supplied with this product at the time of shipment must be followed for proper use, maintenance and inspection. Use only with CE Certified approved personal fall arrest or restraint systems.

Alteration or misuse of this product or failure to follow instructions may result in serious injury or death.

DO NOT REMOVE THIS LABEL.

EN 795:2012 Type C & TS16415:2013 Type C

AUSTLIFT

Read user instructions carefully before each use.

Product Code: 915132
Product Description: Temporary Horizontal Lifeline
Batch No.: xxxxxx **Serial No.:** xxxxxx
Mfg. Date: MM/YYYY
Maximum Span Length: 25Mtr
Minimum Breaking Strength: 23KN

MAX

AUSTRALIAN LIFTING CENTRE
 43 Frank Street, Wetherill Park, NSW 2164, AUSTRALIA

EQUIPMENT RECORD: User must inspect prior to EACH use. Competent Person other than user must complete formal inspection at least every 6 months. Competent Person to inspect and fill the initial in the below equipment record.

This equipment record must be specific to one 2-Person Rope HLL. Separate equipment record must be used for each 2-Person Rope HLL. All inspection records must be made visible and available to all users at all times.

EQUIPMENT RECORD				
Product:				
Model & type/identification		Trade name		Identification number
Manufacturer		Address		Tel, fax, email into use
Year of manufacture		Purchase date		Date first put into use
Other relevant information (e.g. Document number)				
PERIODIC EXAMINATION AND REPAIR HISTORY				
Date	Reason for entry (periodic examination or repair)	Defects noted, repairs carried out and other relevant information	Name and signature of competent user	Periodic examination next due date

ALC_U1M4PC915134_20



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