

FIRST →



AD104 Retractable Lanyard with Karabiner

Operating and Maintenance Instructions

IMPORTANT: It is essential that the person using this device has read and fully understands the operational limits and usage instructions of this product before use.

PURPOSE

The AD104 Retractable Lanyard is fixed to a structure via its double action snap hook, the karabiner attaches to the rear fall arrest rated "D" ring of the full body harness. During user ascent or descent the lanyard webbing is held taught by the internal return spring. In the event of a fall, the internal locking system will stop the webbing from unwinding and the fall will be arrested.

IN NORMAL CONDITIONS OF USE it will arrest a 0.80 m fall with a dynamic impact under 600kN.

LIMITATIONS

- Maximum human load: 136kg
- Use temperature: from -20° to 50°C
- Anchorage must always be situated above the rear fall arrest rated D ring of the full body harness
- Keep swinging falls less than 40°
- Cannot stop sinking if fall rate is less than 1m/s, e.g. in powdery, grainy or sludge type products
- Ensure there is no side impact permitted to the housing of the device

IMPORTANT: The AD104 Retractable Lanyards performance is **ONLY** guaranteed if used in conjunction with other **FIRST** or **PROTECTA** fall arrest system components. Whenever possible, the device should be personally assigned to one user.

INSTALLATION

Installing the anchorage point

The AD104 Retractable Lanyard requires connection via the snap hook to an anchorage point overhanging the work area.

The anchorage points **MUST**:

- Have sufficient strength (minimum 15kN)
- Be rigid
- Be in the vertical axis of the working zone
- Be free from any contour, edge or covering which can damage the connectors

Whenever possible, it is preferable to choose anchorage points provided for this purpose, or one of the elements of the structure with a proven degree of resistance. The work site supervisor or competent person is responsible for determining the anchorage points to be used.

Verify that the height of the anchorage points in relation to the work space is compatible with the capacity of the AD104 Retractable Lanyard.

In the event of a fall, available clearance should not be less than 1m and movement **MUST NOT** be impeded by an obstacle.

USAGE INSTRUCTIONS

Prior to use

Before securing the AD104 Retractable Lanyard to its anchorage point take time to verify the following:

1. The webbing winds and unwinds normally over its entire length
2. The locking function is operational, the webbing should lock instantly when the lifeline is pulled sharply.
3. The entire unit is in perfect condition and all the closing rivets and screws are present and fixed correctly
4. The Karabiner and snap hook supplied with the device operates and locks correctly.
6. There are no visible signs of corrosion on the metal parts.
7. There are no cracks in the outer casing.

If any of the above mentioned observations should give rise to any doubts, the device **MUST NOT** be used and a distributor or authorised service centre should be contacted.

Use

The screw gate karabiner of the AD104 Retractable Lanyard should be attached to the fall arrest rated rear D ring of a full body harness in compliance with standard AS/NZS 1891.1 & 1891.4.

DANGER: never attach the karabiner of the AD104 Retractable Lanyard to any point other than those provided for this purpose. Do not attach directly to a strap, the adjustment elements or the harness accessories-holder.

The anchoring point should be situated at the highest possible point. THE DORSAL REAR "D" RING PROVIDES THE MOST SUITABLE POSITIONING IN THE EVENT OF A FALL.

When the snap hook is used for securing to an anchorage point, check that this point:

- is located ABOVE the user
- has a minimum strength of 15kN

AT THE TIME OF KARABINER / SNAP HOOK CONNECTION, CHECK THAT THE LOCKING SYSTEM IS CORRECTLY ENGAGED.

CAUTION: The AD104 and its connectors are essential to your safety, so it is recommend that you:

- assign it to an individual user whenever possible
- check it before each use, in particular for: deformations, signs of wear and correct locking system operation

If there is any doubt about the device and its connectors it should be immediately withdrawn from service and inspected by a competent person.

To extend the operational life of your device, the following is recommended:

- DO NOT let go of the webbing when it has completely unwound, but accompany its return into the retracting unit
- ONLY keep the lanyard attached during periods of use
- AVOID any violent manipulation or impact
- DO NOT leave it exposed to the elements

IN THE EVENT OF A FALL, THE AD104 RETRACTABLE LANYARD MUST BE IMMEDIATELY WITHDRAWN FROM SERVICE.

MAINTENANCE

The AD104 Retractable Lanyard does not require any special maintenance. However, it is recommend to:

- regularly clean the webbing (taking the opportunity to check its condition), snap hook and karabiner
- check that the locking mechanism is functioning correctly
- store the AD104 Retractable Lanyard in a well ventilated area away from humidity.

IMPORTANT: The AD104 Retractable Lanyard should be inspected and the results recorded by a competent person every 3 months and prior to each use. If there is ever any doubt as to its condition the device should be removed from service immediately and checked by a competent person.

INSPECTION AND MAINTENANCE LOG

Serial Number: _____ Model Number: _____
 Date Purchased: _____

Inspection Date	Inspection Items Noted	Corrective Action	Maintenance Performed
Approved By: _____			
Approved By: _____			
Approved By: _____			
Approved By: _____			
Approved By: _____			

Limited Lifetime Warranty Statement: Warranty to End User: CAPITAL SAFETY GROUP AUSTRALIA PTY LTD and SKYHOOK AUSTRALIA PTY LTD ("CAPITAL SAFETY") warrants to the original end user ("End User") that its products are free from defects in materials and workmanship under normal use and service. This warranty extends for the lifetime of the product from the date the product is purchased by the End User, in new and unused condition, from a CAPITAL SAFETY authorised distributor. CAPITAL SAFETY'S entire liability to End User and End User's exclusive remedy under this warranty is limited to the repair or replacement in kind of any defective product within its lifetime (as CAPITAL SAFETY in its sole discretion determines and deems appropriate). No oral or written information or advice given by CAPITAL SAFETY, its distributors, directors, officers, agents or employees shall create any different or additional warranties or in any way increase the scope of this warranty. CAPITAL SAFETY will not accept liability for defects that are the result of product abuse, misuse, alteration or modification, or for defects that are due to a failure to install, maintain, or use the product in accordance with the manufacturer's instructions.

CAPITAL SAFETY'S WARRANTY APPLIES ONLY TO THE END USER. THIS WARRANTY IS THE ONLY WARRANTY APPLICABLE TO OUR PRODUCTS AND IS IN LIEU OF ALL OTHER WARRANTIES AND LIABILITIES, EXPRESSED OR IMPLIED. CAPITAL SAFETY EXPRESSLY EXCLUDES AND DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND SHALL NOT BE LIABLE FOR INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION, LOST PROFITS, REVENUES, OR PRODUCTIVITY, OR FOR BODILY INJURY OR DEATH OR LOSS OR DAMAGE TO PROPERTY, UNDER ANY THEORY OF LIABILITY, INCLUDING WITHOUT LIMITATION, CONTRACT, WARRANTY, STRICT LIABILITY, TORT (INCLUDING NEGLIGENCE) OR OTHER LEGAL OR EQUITABLE THEORY.