

## USER INSTRUCTION MANUAL

### Connecting Lanyard WSF231-1.8M

**Complies with  
EN354, EN362**

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## GENERAL INFORMATION AND INSTRUCTION FOR USE

1. The connecting lanyard is made in accordance with EN354, EN362. It can be used to connect a safety harness, work position or restraint belt to an anchorage point, to hold the user in a work position, or to prevent the user reaching a position where a fall is possible (restraint).
2. Do not wrap this lanyard around any structure and connect the lanyard back onto itself, unless the lanyard has been specifically designed to do so.
3. Striking objects horizontally may cause serious injury or death due to the pendulum effect of a swing fall.
4. Before use of the system, consideration must be given as to how any necessary rescue could be achieved.
5. While using, arrangements should be made to protect the lanyard against damages caused by bumps, cutting, abrasion, UV degradation and chemical attacks.
6. Always attach an unused lanyard to a lanyard keeper when not in use. Never attach the unused end of the lanyard to the harness at any other location.
7. Fall protection equipment must be selected by qualified personnel and account for any potential hazardous workplace conditions.
8. Select and install fall protection systems under the supervision of qualified personnel.
9. Forces applied to anchors must be calculated by qualified personnel.
10. Selected harnesses and connectors must comply with manufacturer's instructions and must be of appropriate size and configuration.
11. Pre-established rescue protocol is required as part of a complete fall protection program. The rescue plan must be project specific and must either allow for employees to rescue themselves or provide an alternative means for their prompt rescue. Store rescue equipment in an easily accessible and clearly marked area.
12. Qualified personnel must train authorized users to correctly erect, disassemble, inspect, maintain, store, and use equipment. Training must involve the correct use of personal fall arrest systems, the ability to recognize fall hazards, and risk mitigation.
13. Never use any fall protection equipment to hang, lift, support, or hoist tools or equipment unless that equipment is explicitly certified for such use.
14. Equipment must be inspected by qualified personnel at least once a year.
15. Equipment must be inspected for defects including, but not limited to: the absence of required labels or markings, improper form, fit, and function, evidence of cracks, sharp edges, deformation, corrosion, excessive heating, alteration, excessive wear, fraying, knotting, abrasion, or absence of parts. Equipment failing inspection in any way must immediately be removed from use or repaired by an entity approved by manufacturer.
16. It is essential for safety that the equipment be withdrawn from use immediately should any doubt about its condition arise or if it has been misused to arrest a fall. It should not be used again until confirmed in writing by a competent person that it is acceptable to do so.
17. This connecting lanyard must be used with a full body harness.

18. This connecting lanyard are designed for a single user.
19. A fall arrest backup must be employed if the user is not in "restraint" and there is a fall risk.
20. Do not repair equipment on-site unless explicitly permitted by manufacturer.
21. 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-closing and must never be connected to each other.
22. In the event of a fall, age, fitness, and health conditions can significantly impact the worker.
23. If there is any reason to doubt a user's ability to set up equipment or withstand and safely absorb fall arrest forces, consult a doctor.
24. Acceptable individual worker weight limit (including all equipment) is 100 kg, unless explicitly stated otherwise.
25. Before each use, a close visual examination should be made of each and every element of the system to make sure the system is in perfect condition.
26. Make sure to keep equipment control card on hand, fill it in and note the periodic checks for the safety.
27. The user must check medical conditions could affect the safety of users in normal and emergency use.
28. Any alterations or additions must not be made to the equipment without the manufacturer's prior consent.
29. This equipment shall not be used outside its limitations, or any purpose other than for which it is intended.
30. The analysis of the workplace must anticipate where workers will be performing tasks, the routes they will take to reach their tasks, and the potential/existing exposure to fall hazards.
31. Fall protection equipment must be chosen by a Competent Person. Selections must account for all potential hazardous workplace conditions.
32. All fall protection equipment should be purchased in a new and unused condition.
33. Select and install fall protection systems under the supervision of a Competent Person. Fall protection systems must be used in a compliant manner.
34. Fall protection systems must be designed in compliance with all federal, state, and local safety regulations.
35. Forces applied to anchors must be calculated by a Competent Person.
36. Harnesses and connectors selected must be compliant with manufacturer's instructions and must be of compatible size and configuration.



### WARNING

These lanyards must be used with an approved harness or belt and will provide a work positioning or restraint system when used with a suitable anchorage.

**EU Declaration of Conformity can be found at the following link:**  
<http://www.safety.com.sg/resources/8>

## ANCHORAGE REQUIREMENTS

1. All anchorages must meet the requirements EN795:2012.
2. Anchorages to which personal fall arrest equipment is attached shall be capable of supporting at least 12kN per employee attached, or shall be designed, installed, and used as part of a complete personal fall arrest system which maintains a safety factor of at least two, under the supervision of a qualified person.
3. Anchorages should be located as vertically as possible above the user's head and be positioned as not to exceed the maximum allowable free fall for the system.

## SWING FALL

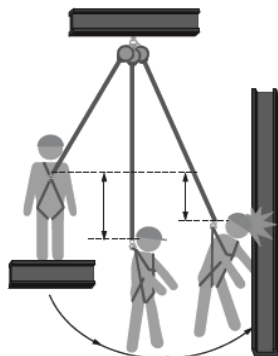
To minimize the possibility of a swing fall, work as directly under the anchorage connector as possible. Striking objects horizontally, due to the pendulum effect, may cause serious injury. Swing falls also increase the vertical fall distance of a worker, compared to a fall directly below the anchorage connector. Swing falls may be reduced by using overhead anchorage connectors that move with the worker.

### ! WARNING

Workers accessing areas greater than 30° off-plumb from overhead anchorage are at a higher risk for severe injury. Striking objects horizontally due to the pendulum effect of a swing fall may cause serious injury or death.

### Swing Fall

**WARNING:** Workers accessing areas greater than 30° off-plumb from overhead anchorage are at a higher risk for severe injury.



## TRAINING

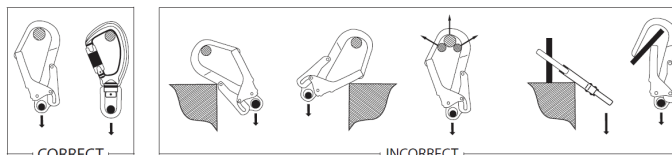
Employers are responsible for providing training to any employee who may be exposed to fall hazards. Training will enable an employee to recognize and reduce fall hazards. Training must be conducted by a Competent or Qualified Person. Trainer and trainees must not be exposed to fall hazards during the training course.

## INSPECTION

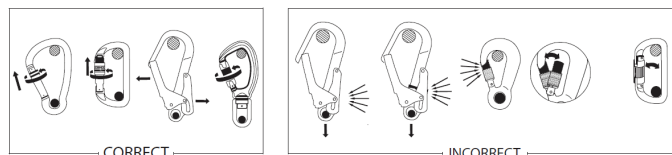
1. All snap hooks and karabiners on product must be able to self-close and lock.
2. All hardware must be free of corrosion, chemical attack, alteration, excessive heating, wear cracks, sharp edges, deformation, corrosion, or any evidence of defect.
3. Bend a portion of the rope 15-20 cm into an upside-down 'U' shape. Continue along rope inspecting for tears, cuts, fraying, abrasion, discoloration, burns, holes, mold, pulled or broken stitches, or other signs of wear and damage. Sewn terminations must be secure, complete, and not visibly damaged.
4. All markings must be legible and attached to the product.
5. All hardware must be free of cracks, sharp edges, deformation, corrosion, or any evidence of defect.

### Basic Rules of Using The Snap Hook or Karabiner

1. Snap/ scaffold hook and karabiner use in this connecting lanyard marked with the EN362 standard are self-closing can withstand minimum static strength 20kN.
2. Before each use, a close visual examination of the snap hook components (body, gate, locking gear) must be carried out in respect of mechanical, chemical and thermal defects. The examination must be done by a person who is going to use it. In the case of any defect, doubt of correct condition of the unit, do not use it.
3. During use the snap hook must be protected from any contact with acids, solvents, basics, open fire, hot metal drops and sharp edges. If you have any doubts about the conditions where the snap hook will be used, consult from the manufacturer.
4. The shape of the structural anchor point should not let self-acting snap hook disconnection. See drawings



5. It is necessary to protect the snap hook gate with locking gear.  
- See drawing.



6. The length of the snap hook should be taken into account for the overall length of this equipment.
7. It must be taken into consideration that some situations during use may reduce the strength of the snap hook, e.g. connecting to wide straps.

## MAINTAINANCE AND STORAGE

Proper maintenance and storage of your lanyard are necessary to ensure integrity of the component parts and therefore the user's safety. Comply strictly with the following instructions.

1. This equipment shall be inspected at least once a year by a competent person authorized by the manufacturer.
2. Make sure to fill in the EQUIPMENT CONTROL CARD provided and keeps it on hand, and notes the periodic checks for your safety.
3. Whenever necessary, cleaning should be carried out using a brush (not wire brush). When the equipment becomes wet either when in use or as a result of cleaning, it should be allowed to dry naturally, away from an open fire or any other source of heat.
4. For metal-ware hooks and rope grabs, inspect for damage and signs of distortion. Check for mechanical integrity and function. Check for worn, weak or damaged springs.
5. The equipment should be looked after and stored correctly when not in use and should not be left lying around the work site. It should be kept away from sharp objects and harmful substances and stored in a cool, dry place free from direct sunlight.
6. 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 parts. Equipment that fails inspection in any way must immediately be removed from use.
7. Do not store in areas where damage from environmental factors such as heat, light, excessive moisture, oil, chemicals and their vapors, or other degrading elements may be present.
8. Do not store damaged equipment or equipment in need of maintenance in the same area as product approved for use. Equipment must be cleaned and dried prior to storage.
9. Equipment that has been stored for an extended period must be inspected as described in these User Instructions prior to use.

### WARNING :

*This connecting lanyard is NOT for fall arrest used.*

*Repairs to this equipment to be carried out only by the manufacturer or by a competent person authorized by the manufacturer. This equipment should be used together with full body harness only by a person properly trained for working at heights. Any equipment involved in a fall arrest event must not be re-used until such equipment has been inspected by a competent inspector from the manufacturer or by an approved specialist.*

*If equipment fails inspection IMMEDIATELY REMOVE FROM SERVICE. User must inspect prior to EACH use.*

*Product lifespan is 5 years from manufacturing date and as long as it passes pre-use and Competent Person inspections.*

A - Identity label      B - Plastic sleeve      C - Connecting lanyard  
D - Thimble      E - Scaffold hook      F - Karabiner

Overall length 1.8M

I – Manufacturer trademark	II – Reference device style/number
III – Type of fall arrest device	IV – Material the device is made of
V – Manufacturing serial number	
VI – Month/year of the device is manufactured	
VII – Caution: read the instruction manual	
VIII – Standards which the fall-arrest device is compliance with	
IX – CE marking and notified body no# controlling mfg of the equipment	
X – Device bar code reference	

[illegible]