

**Alsamex Fall Arrest Units**  
**Soft landing systems for collective fall arrest safety**



**LORRY BAG USER GUIDE**



**Product Details**

The Alsamex Fall Arrest Lorry Bags are made of durable water resistant woven polypropylene fabric.

**Single Layer Lorry Bag**

**Product Code: 9168/LB3**

Dry Weight approx. 25Kg

Holds 3 Qty Alsamex Fall Arrest Units (3 UP)

Size\*: 2.16m x 1.8m x 0.7m Height

**Double Layer Lorry Bag**

**Product Code: 9168/LB6**

Dry Weight approx. 46Kg

Holds 6 Qty Alsamex Fall Arrest Units (6 UP)

Size\*: 2.16m x 1.8m x 1.4m Height

\* Dimensions are for calculation purposes only to determine the minimum projection & floor coverage and the maximum freefall height



**Preparation**

All work at height must be properly planned and supervised and carried out in a safe manner. The Lorry Bags should be installed by suitably trained personnel. Installation may be carried out by your own personnel using the installation guide provided or following basic Toolbox training. The units must be installed as close to the working level as possible in order to minimise the distance a worker could fall. All supporting floor or base surfaces on which the Lorry Bags will be installed should first be brushed clear of any debris and sharp objects. Surfaces should give firm and adequate support for the Lorry Bags, in the event of any fall, over the complete area onto which the Lorry Bags are placed. Any opening in floors should be temporarily boarded with firm and adequate support covering the whole area, before the Lorry Bags are placed over them.



General safety awareness is just as important with this product, as with all other safety products. Good safety systems alone do not guarantee eliminating all hazards and risk of injury. Effective safety operation is dependent on proper use and general safety considerations by users of the system e.g. if a worker's fall was partially broken by bumping into something as they fell, safety could be compromised and also the worker's age, weight and fitness affects a person's ability to withstand the effects of a fall.



Although the inner Alsamex Fall Arrest units are treated with Flame Retardants to reduce the risk of fire, like many other plastics materials, this product is combustible and should be kept away from flame and other sources of ignition. Consider fire hazards. No smoking, hot work or welding above units. Keep the units away from flame and other sources of ignition. Specially designed Alsamex spark resistant cases are available for applications involving grinding sparks and light welding spatter.

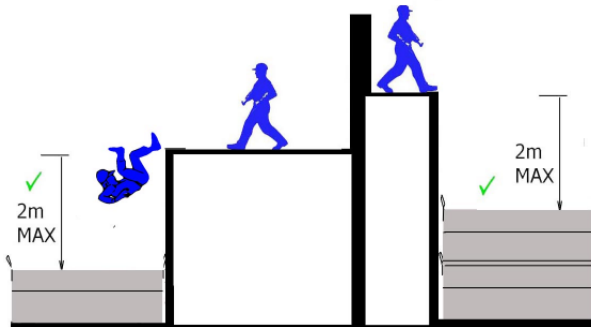
\*\*

### Fall Heights

Lorry Bags containing Alsamex Fall Arrest Units are designed to be used with a maximum free fall height of 2 metres above the top surface of the Lorry Bags.

If a greater height is involved, additional layers can be easily installed provided that a maximum 2 metres free fall height is maintained.

For applications without retaining walls, the overall stack height should not exceed the equivalent of 4 single layers, as shown above [\*\*]



### Placing & Securing Lorry Bags

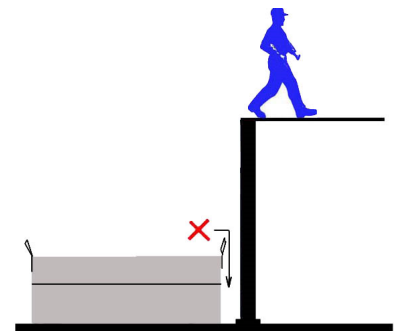
All Lorry Bags used must be connected and secured to a structure to avoid movement e.g. from strong winds. A selection of optional Alsamex Cam & Ratchet restraint straps are available.



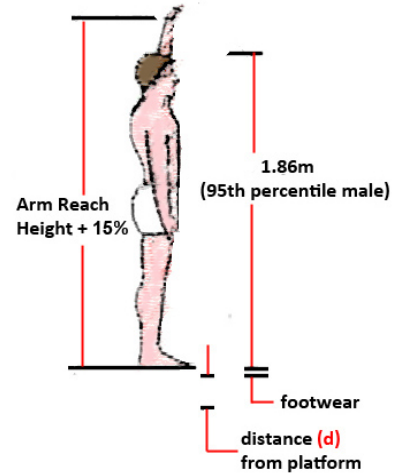
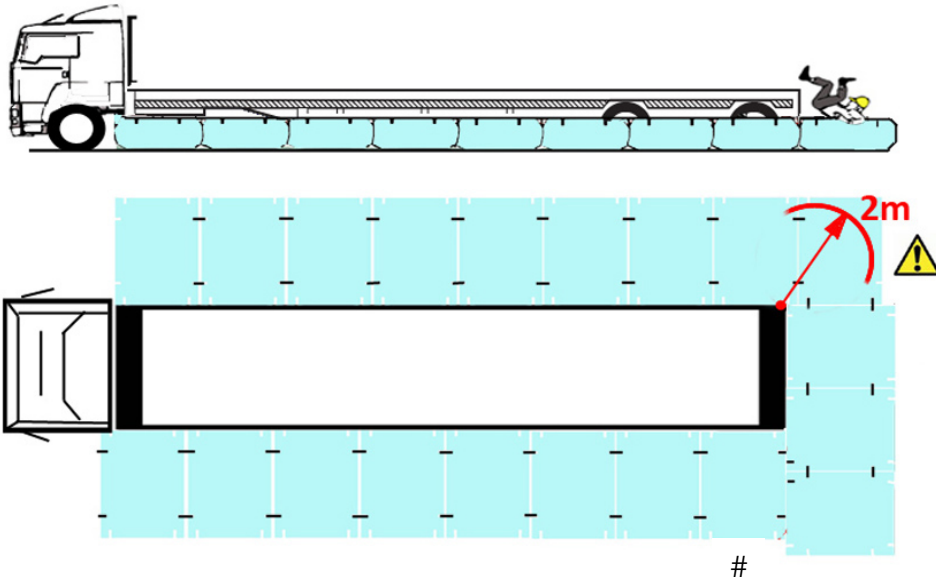
For edge protection such as scaffold and trailer fall arrest, ensure that the positioning of the units is flush with the edge of the trailer or working platform or surface and there is sufficient coverage to protect the potential fall area. Regularly inspect all straps and buckles for wear or any damage. Ensure all straps and buckles are clean and brushed free of any dirt or mortar.

**Visually inspect daily before use, even if already installed**

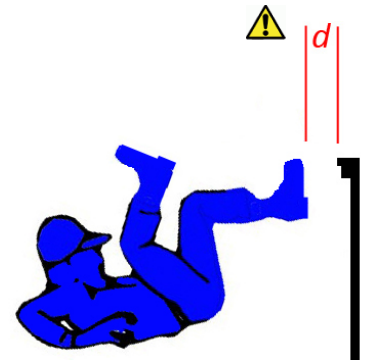
1. Ensure the Lorry Bags are placed facing upwards, with all hoist loops on the top. Check the side access flaps are fully closed and facing downwards.
2. If not supplied assembled, connect and load each of the inner fall arrest units inside the outer case. Ensure the orange stripes are on the top and placed with the orange stripes parallel with the side access flaps. Check all inner units on each layer are connected to each other and close the flap and secure using the Velcro fasteners and side-squeeze clips.
3. Ensure the Lorry Bags are pushed tightly against the fall area. When connecting Lorry Bags, ensure they have been laid in the correct orientation. Before connecting cases, ensure the cases are as close to the fall area as possible, to avoid moving connected cases. Where multiple cases are used, push each case hard against each other before tightening the connecting straps.
4. The logical method for connecting the Lorry Bags is to create a V-shape gap and connect the first buckle, as shown below. In turn, close the gap and connect the other buckle pair. All pairs of adjoining quick-release buckles should be connected.



- Always ensure all of the perimeter of the vehicle bed or working platform is fully protected. Consider access and egress. Ensure Lorry Bags are not obstacles. Safeguard your own safety and that of your workmates by ensuring correct installation and regular inspections. When connecting units to form a corner L-shape, or U-shape always ensure adjacent side buckles are connected.
- All Alsamex Lorry Bags are intentionally rectangular in shape and 2.16m in length.



- The Minimum Projection Distance of soft landing coverage should be at least 2.0m as shown above, to allow for 95<sup>th</sup> Percentile male height of 1.86m. Alsamex Lorry Bags are 2.16m in length to provide 15% additional cushioning distance beyond the head and elbows when arms are outstretched, in consideration of potential horizontal projection distance,  $d$ , away from the edge of the platform.**



- Place the longer sides (2.16m) of the Lorry Bags perpendicular to the working platform, or install another parallel row, to achieve or exceed the Minimum Projection Distance.**

- A selection of optional Alsamex restraint straps are available to hold close any joins where there are no matching pair(s) of male/female buckles, example shown below [#], or for applications with a footprint coverage of an irregular shape.



#

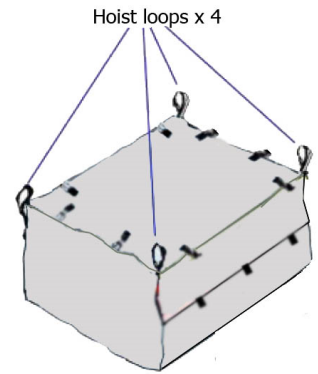


##

- Single Alsamex Fall Arrest Units can also be connected to the Single Layer Lorry Bags perimeter to provide additional projection distance coverage, as shown above [##]

## Manual Handling & Lifting

The Lorry Bags must be lifted individually and by at least two persons and may be lifted or transported using the hoist loops at each corner. If carrying the Lorry Bag manually, this must be done by holding the hoist loops over short distances less than 2 metres at a time. Keep a straight back, your chin up and arms and Lorry Bag close to the body. Where practical, avoid manually lifting or dragging the Lorry Bag along the floor. Do not attempt to manually lift or move more than one Lorry Bag.



Where practical avoid dragging the Lorry Bags to avoid tearing the fabric or unnecessary wear and tear. Optional Alsamex stillages are available for carrying and lifting a number of Lorry Bags using forklift trucks or telehandlers.

## Equipment Check & Storage

Care in handling and use is important to extend the life of the Lorry Bags. Before and after use, visually check that each Lorry bag is undamaged and is brushed free of any dirt or mortar. Always report any faults found and withdraw any faulty case from service until it is repaired or replaced. Do not climb or walk on the cases, filled or unfilled and only use the case for its intended purpose.

Regularly check the cases and straps for any signs of deterioration or damage. To reduce the risk of damage to the quick-release buckles whilst uninstalling, disconnecting and removing the Units, always ensure the buckle clips are completely and fully disengaged.

If any heavy equipment has been dropped onto the Lorry Bags, they will need checking to ensure that they have not been excessively compressed or case fabric torn.

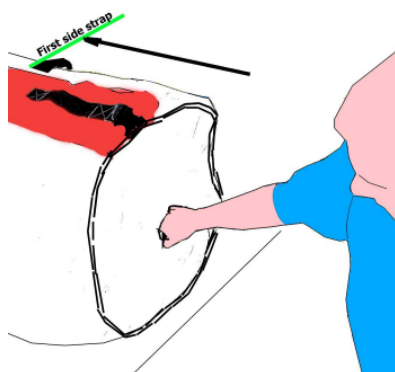
Any torn cases or over compressed inner units should be withdrawn from service and replaced.

Should rain/water collect inside, place the lorry bag(s) vertically leaning against a wall/structure to allow the water to escape. When the Lorry Bags are not in use, it is recommended they are kept stored inside where possible.

✓ For traceability, when reporting any defect or incident please make a note of the year of manufacture and serial number shown on the Caution tag attached to Lorry Bag.

<b>ALSAMEX</b>		www.alsamexfallarrest.co.uk	
Tel. 01462 672 951		sales@alsamex.co.uk	
Maximum free fall height 2m		Approx 7 Kg	
Each Unit is 2.1m x 0.7m DIA			
Tested in accordance with Filled Collective Fall Arrest Systems specification PAS59:20XX dynamic performance			
<p>WARNING: To be installed only in accordance with manufacturer's instructions by trained &amp; competent personnel. This module must be withdrawn from use after it has been subjected to an impact.</p> <p>Check year of manufacture and date of Next Inspection for validity in accordance with manufacturer's instructions.</p> <p>SAFETY CAUTION: Like many other plastics materials, this product is combustible and should be kept away from flame and other sources of ignition</p>			
<b>Alsamex Fall Arrest Unit</b>		Serial No. <b>140503</b>	
Manufactured: 01/14			
<b>NEXT INSPECTION DUE :</b>			
<b>Month</b>			
1	2	3	4
5	6	7	8
9	10	11	12
<b>Year</b>			
13	14	15	16
17	18	19	20
21	22		
month		year	

✗ Do not throw scaffold, tools or other objects on to Lorry Bags. Avoid unnecessary walking over the Lorry Bags.



A formal and thorough inspection should be carried out at least once every year when indicated by the inspection tag attached to the Lorry Bag.

To check the filling is sufficient, remove all inner Units from the Lorry Bag. Place each unit on the floor unconnected and the end with the filling-flap flat against a solid wall. Push in the other end with your hand placed at the centre. If you are able to push your hand beyond the first side strap the safety unit may need a refill or replacing.

When filling or refilling the Lorry Bag, always remember to interconnect each adjoining inner Unit.

Any over compressed inner units should be withdrawn from service and replaced by serviceable ALSAMEX FALL ARREST UNITS only.

**Remember safety first every time**