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3M™ DBI-SALA® Rope Lifeline Assembly

Technical Data Sheet

Description

We have you covered with a complete range of 3M™ DBI-SALA lifeline assembly systems with integral rope grabs that are ideal for horizontal/angle work. The rope grab utilized in the system is designed to be a static rope grab that is connected to your harness via a lanyard. By squeezing the rope adjuster forward, the worker can slide the device along the lifeline until he or she has reached their work position (working slack should never be greater than 2 metres as per the Australian standard). Release the rope adjuster and it locks onto the lifeline providing fall protection to the worker attached.

Features

- **15m rope grab fall protection system (for horizontal/ angle work)**
  This 15m system is ideal for fall arrest situations where the user is required to perform horizontal or angle type work, offers a convenient set-up for compliance and safety on the job, just add your own harness and shock absorbing lanyard
- **Integral manual rope grab**
  Permanently attached static type rope adjuster for added safety, designed to stay where you want it and move when you move it
- **Hard-wearing and lightweight 11mm kernmantle rope lifeline**
  Constructed from high strength kernmantle rope that delivers greater resistance to minor cuts, abrasions, chemicals and grime that is less likely to fray or snag, it resists knotting and twisting, and totally removes the risk of bird caging.
- **Built-in self-locking double action anchorage snap hook**
  Offers a secure connection to an anchorage point that automatically locks and closes for added safety and ease of use
- **Durable, high strength finishing on lifeline end**s
  High strength sewn thimble eye on hook end and sewn end stop on the other, coated with UV resistant transparent plastic for added protection and easy inspection
- **Available in a variety of system lengths from 15m to 40m**
  Customize to suit your specific jobsite or to fit greatest height needed, also available in 20, 25, 30 and 40m system lengths
- **Equipped with Connected Safety**
  Integral i-Safe™ RFID identification tag for recording and storing information on inspections

Maintenance/Cleaning

Safety equipment should be cleaned regularly. The frequency of cleaning depends on the environmental conditions in which they are used. Cleaning intervals however should not exceed 3 months. The cleaning process should remove contaminants, including dirt, salt, mud, dust, paint, grease and oil. If contaminated by salt water the item (Excluding the energy absorbing pack) should be immersed in clear potable water and agitated to remove the contaminant.

Cleaning should be carried out in the following manner:

- Wipe off surface contaminants with a cloth
- Use sponge and mild detergent and cold/lukewarm water solution
- Thoroughly lather
- Rinse with clean tap water
- Wipe as dry as possible with a clean sponge and cloth
- Metal components should be wiped clean using a lint free cloth
- Thoroughly hand wipe the equipment so that all parts dry. Do not expose to excessive heat, steam or sunlight.
- Use a bleach-free detergent when washing both the harness and the pads.
- Water temperature for wash and rinse must not exceed 70°C. Harness and pads may be air dried or tumble dry on low heat (not greater than 90°C). Replace the pads before using the harness.

Specifications

3M™ DBI-SALA® Rope Lifeline	
Capacity	One person
Brand	DBI-SALA®
Size	15m, 20m, 25m, 30m, 50m
Product Styles	Manual
Product Types	Synthetic Rope Grab
Install Types	Temporary

Use of Manual Rope Adjusters in Flat and Sloped Roof Applications

The following guideline should be observed and special conditions noted:

- The manual rope adjuster must be used on a lifeline, which meets the requirements specified in the user instruction manual (i.e., size construction, material, and strength).
- The anchorage point shall be capable of supporting 15kN (for one person) for fall arrest.
- Note: Restraint anchorages may be only used where there is no possibility of a fall. A restraint anchorage
- The manual rope adjuster shall be connected to an energy absorber via a locking karabiner which is attached to the rear or front fall arrest point of the harness.
- Where possible, provisions should be made (warning lines or guardrails, etc.) to prevent swing falls from otherwise unprotected roof edges or corners.
- The lifeline must be protected from contact with sharp or abrasive edges and surfaces.
- The manual rope adjuster locking operation must not be hindered by interference with the roof or objects on the roof surface.
- Make certain enough clearance exists in the path of the fall to prevent striking an object.
- The manual rope adjuster and the lifeline system shall be positioned to prevent a free fall exceeding 600 mm. Restraint systems must be used for restraint purposes only.
- Training shall be conducted on the correct care and use, operating characteristics, application limits and consequences of improper use of the rope adjuster system.

Storage:

Safety equipment must be stored in a clean, cool, dry location free from direct sunlight, chemical fumes or corrosive materials.

Capital Safety recommends safety equipment is stored in a cabinet designed to permit ventilation. Avoid storing safety equipment on the ground.

Product Life and Inspection

Any piece of equipment including both personal and permanently installed items, which has been used to arrest a fall or which shows any defect during operator or periodic inspection shall be withdrawn from service immediately and a replacement obtained if necessary.

A label indicating the condition or defect must be attached to the equipment, and it must be examined by a competent person who will decide whether the equipment is to be destroyed or repaired/recertified if necessary and returned to service.

Inspection frequency requirements must be followed according to AS/NZS 1891.4 or Capital Safety's user instructions. Capital Safety may recommend more frequent inspection and recertification if the product is exposed to a harsh environment or rugged use. All inspection and maintenance data must be recorded in an inspection and maintenance log maintained by the company.

- Inspection shall be made by the user immediately before and after each use.
- Also, a Height safety equipment inspector is required to perform inspections at a time ranging from 6 monthly to annually - depending upon the equipment.

Ordering Information

3M Code	Model #	Description
70007934055	E711-015-36-58	DBI-SALA Connectors - Lifeline Assembly Systems 15m System
70007946836	E711-020-36-58	DBI-SALA Connectors - Lifeline Assembly Systems 20m System
70007964425	E711-025-36-58	DBI-SALA Connectors - Lifeline Assembly Systems 25m System
70804403262	E711-030-36-58	DBI-SALA Connectors - Lifeline Assembly Systems 30m System
70804403312	E711-050-36-58	DBI-SALA Connectors - Lifeline Assembly Systems 50m System
70007927182	P6711-015-36-58	DBI-SALA Connectors - Lifeline Assembly Systems 15m System
70007940722	P6711-020-36-58	DBI-SALA Connectors - Lifeline Assembly Systems 20m System
70007929451	P6711-025-36-58	DBI-SALA Connectors - Lifeline Assembly Systems 25m System
70007939039	P6711-030-36-58	DBI-SALA Connectors - Lifeline Assembly Systems 30m System
70804409772	P6711-050-36-58	DBI-SALA Connectors - Lifeline Assembly System 50m System
70007931903	P67110153658Z	DBI-SALA Connectors - Lifeline Assembly System 15m System
70007947743	P67110203658Z	DBI-SALA Connectors - Lifeline Assembly System 20m System
70007937421	P67110253658Z	DBI-SALA Connectors - Lifeline Assembly System 25m System
70804410036	P67110303658Z	DBI-SALA Connectors - Lifeline Assembly Systems 30m System
70007945796	P67110503658Z	DBI-SALA Connectors - Lifeline Assembly System 50m System

Important Notice

To the extent permitted by law, 3M shall not be liable for any loss or damage including any loss of business, loss of profits, or for any indirect, special, incidental or consequential loss or damage arising from reliance upon any information herein provided by 3M. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

The mounting and use of the product described within this document assumes that the user has previous experience of this type of product and that is will be assembled by a competent professional according to product documentation. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. 3M (who cannot verify or control these elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for products are determined with the sales contract documents and with the mandatory and applicable law, excluding any other warranty or compensation.

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AV011479415