

3M™ DBI-SALA® Advanced Digital Winches

Technical Data Sheet

Description

DBI-SALA® has an extensive line of rescue and retrieval systems. Safety engineers and site directors trust DBI-SALA® for the type of high quality, rugged systems that will ensure top performance when it is needed the most. The mechanical device is one of the most critical parts of the rescue system. It provides the means to retrieve an incapacitated worker to safety. Lifeline type and length are just a few of the options. In some situations, a secondary or back-up system is required.

Features

- **Manually operated winch**
Easy operation is performed by rotating the handle to raise or lower personnel or materials.
- **18m of 5mm galvanised steel wire rope**
Abrasion resistant and extremely durable lifeline construction provides added field longevity.
- **9:1 and 4:1 gear ratio mechanical advantage**
Offers 4m/min. or 9m/min. winching speed with no power source required to help facilitate fast and efficient rescues.
- **Quick mount bracket**
Permanently attached bracket mates with the support structure bracket and offers simple detent pin attachment for quick and easy set-up.
- **Built-in digital usage indicator**
Exclusive system counts the revolutions of the drum to determine service intervals for added safety and peace of mind.
- **Triple redundant braking system**
Includes 3 independent working pawls and a centrifugal back-up brake for added safety
- **Brake wear indicator**
System constantly monitors the condition of the braking mechanism for complete safety and security.
- **Durable corrosion resistant construction**
Superior materials including anodised aluminium, stainless and zinc plated steel protect the units components for extended longevity.
- **Sealed bearings at all contact points**
Provides long lasting smooth operation for fast, safe and efficient rescues.
- **Integral carrying handle**
Allows user to easily transport the device from one location to another.



- **Swiveling snap hook with impact indicator**
Provides secure connection to load, prevents lifeline from twisting and offers a visual indicator if the device has been impact loaded.
- **Power drive option available**
Drive hub and overload device can be attached to 9:1 drive for use with electric or pneumatic drill for added ease of use.
- **Order tripod or davit rescue system separately**
Various support structure styles and configurations are available to suit most site requirements for added peace of mind.

Standards

3rd Party Certified with ANSI Z359.1-1991, ANSI A10.14-199



Specifications

3M™ DBI-SALA® Advanced Digital Winches	
Capacity	204 kg
Brand	DBI-SALA®
Sub Brand	Advanced™
Size	18m, 27m & 58m
Install Type	Portable
Lifeline Type	Galvanised Cable
Lifeline Length	18m, 27m & 58m
Hook	Zinc Plated Steel
Label	Polyester, Stamped
Winch/SRL Housing	Cast Aluminium, Powder Coated
Lifeline	5mm dia. 7×19 Galvanised Aircraft Wire Rope
Product Styles	Winch
Product Types	Mechanical System

Disposal

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

Inspection frequency requirements must be followed according to AS/NZS 1891.4 or 3M's user instructions. 3M 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.

Ordering Information

3M Code	Model #	Description
70007496816	8518560	18 m, 5 mm galvanised cable
70007496824	8518561	27 m, 5 mm galvanised cable
70007498184	8518582	58 m, 5 mm galvanised cable

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 it 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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