



LAD-SAF™

# LAD-SAF™ VERTICAL SAFETY SYSTEM



THE ULTIMATE IN FALL PROTECTION

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## PRODUCT OVERVIEW

The Lad-Saf™ flexible cable system consists of a top and bottom bracket that act as anchors for a steel cable that runs the length of the climbing area. The Lad-Saf™ X2 traveller connects the worker to the system, automatically follows the user during the climb and locks onto the cable in the event of a fall, allowing the user to regain their footing.

Designed for ease of use, economy and versatility, optional brackets/designs are available for bolting or welding the system, choose rung clamp sizes/styles, choose systems for connection to wood, concrete or steel structures. Hundreds of different brackets, styles and configurations are available to suit almost any application.

In addition, the versatile system can be used by up to four workers simultaneously for added jobsite flexibility.

## WORKING SAFELY AT HEIGHT

Every day, workers around the world climb ladders to great heights to get their job done.

Working at heights creates danger, and a need for maximum security. A fall can happen at any time and on any structure, during the climb to the top or on the way down.

## THE SOLUTION

The Lad-Saf™ permanently installed vertical safety system that offers complete fall protection for the worker. It is designed to work with many different styles and lengths of ladders on structures like wind turbines, communication towers, buildings, water towers and more.





## FEATURES AND BENEFITS

### User installed ladder safety system for fixed ladders

- Fast and simple do-it-yourself installation to most fixed ladders with rung clamps, bolts and standard tools reduces overall costs.

### Lad-Saf™ X2 Traveller automatically follows user for hands-free climbing and fall protection

- Extremely easy to use traveller travels with worker without being attended to, can be attached anywhere along the lifeline and locks in the event of a fall.

### Accommodates up to 4 workers at one time

- Depending upon your rung strength, the system can be used by 1, 2, 3 or 4 users for added worksite flexibility.

### Customizable to suit almost any application

- Hundreds of different brackets, styles and configurations are available to suit almost any application.

### Extremely rugged and corrosion resistant steel construction. Galvanised or Stainless options available.

- Stainless steel construction offers ultimate durability and corrosion resistance in harsh environments for added longevity\*.

### Built-in energy absorber protects user and structure

- Integrated shock absorbing top bracket reduces forces imposed on the ladder structure during a fall for added safety.

### Bypassable intermediate cable guides - 1 every 7.6 m

- Prevents cable wear against the ladder and permits the climber to manually bypass without disconnecting for added safety and productivity.

### Built-in tension indicator assures proper installation

- Integrated into the bottom bracket, it takes the guesswork out of installation and correct tensioning.

### Equipped with i-Safe™ and system ID tag

- A stainless steel ID tag contains system information and holds an i-Safe™ identification tag for recording and storing information on inspections.

\* some aggressive environments can cause corrosion and discoloration of stainless steel



## SECURITY AND CONFIDENCE AT HEIGHT

# LAD-SAF™ X2 DETACHABLE CABLE TRAVELLER

### EASY TO CLIMB

The Lad-Saf™ X2 Detachable Cable Traveller is a portable connection device that connects the worker's harness to the ladder cable and glides freely up or down the cable as the worker climbs. Once attached, the traveller does not require any further handling by the climber and allows the climber to move up and down the entire length of the ladder safety system with ease and confidence.

### EASY TO INSTALL AND DETACH

The Lad-Saf™ X2 is designed for one-handed attachment or detachment anywhere along the cable for versatility. It incorporates an anti-inversion mechanism to prevent it from being attached to the cable in the incorrect orientation.

### PRIMARY AND SECONDARY LOCKING SYSTEMS

In the event of a fall, the traveller immediately locks into place and remains locked until the user can regain his footing. Even if something interferes with the primary locking system, a secondary locking system will engage to lock the traveller onto the cable.

### INTEGRATED ENERGY ABSORBER/FALL INDICATOR

The integrated energy absorber limits the maximum fall arrest force to 6 kN or less, which meets or exceeds applicable standards. This absorber also acts as a fall indicator, showing the device has been deployed and needs to be taken out of service.

## COMPACT AND CORROSION RESISTANT

Compact and lightweight design has stainless steel construction to stand up to harsh environments.

## CHOICE OF CARABINER

The traveller is available in 3 variants each with a different connector to suit different applications, details in the system components sections of this document.

## FULLY CERTIFIED TO THE LATEST STANDARDS

The Lad-Saf™ X2 traveller is certified to prEN353-1 and conforms to EN353-1:2002 and CNB11-073 on the 4 cable types detailed in this document.



GALVANISED STEEL  
9.5MM CABLE SYSTEM



STAINLESS STEEL  
9.5MM CABLE SYSTEM



**GALVANISED STEEL  
8MM CABLE SYSTEM**



**STAINLESS STEEL  
8MM CABLE SYSTEM**



The following are the most common Lad-Saf™ components.  
Many other variants of brackets and cable guides are available.

## SYSTEM COMPONENTS TRAVELLERS



Lad-Saf™ X2  
with Zinc plated Steel carabiner

6160030	1.2



Lad-Saf™ X2  
with Stainless Snap Hook

6160037	1.4



Lad-Saf™ X2  
with Stainless Steel carabiner

6160047	1.3

## SYSTEM COMPONENTS BRACKETS



Top bracket, Galvanised steel,  
with 9.5mm strand vice

	Max. Ladder Rung Diameter	
6116280	2.85cm	10.4



Top bracket, Stainless steel,  
without strand vice

	Max. Ladder Rung Diameter	
6116325	2.85cm	8.6



Top bracket, Galvanised steel,  
with 8mm strand vice

	Max. Ladder Rung Diameter	
6116278	2.85cm	11.8



Bottom bracket with tensioner,  
Galvanised steel

	Max. Ladder Rung Diameter	
6100090	2.85cm	3.6



Bottom bracket with tensioner,  
Stainless steel

	Max. Ladder Rung Diameter	
6100095	2.85cm	3.7

## SYSTEM COMPONENTS CABLE GUIDES



Cable Guide,  
Galvanised steel

	Max. Ladder Rung Diameter	kg
6100400	2.85cm	0.2



Cable Guide,  
Galvanised steel

	Max. Ladder Rung Diameter	kg
6100515	2.85cm	0.2



Cable Guide,  
Stainless steel

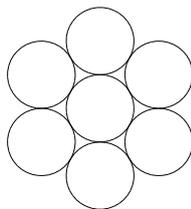
	Max. Ladder Rung Diameter	kg
6100420	2.85cm	0.2



Cable Guide, Stainless Steel  
with Galvanised steel fixings

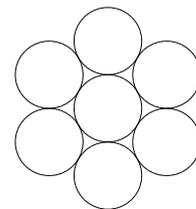
	Max. Ladder Rung Diameter	kg
6100401	2.85cm	0.4

## SYSTEM COMPONENTS CABLE



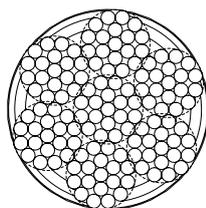
9.5mm, 1 x 7 Galvanised steel Cable  
(sold per m)

6110000



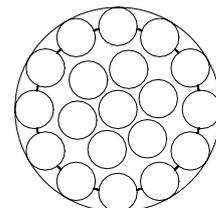
9.5mm, 1 x 7 Stainless steel Cable with factory end swage  
(Replace XXX with length in m)

6115XXX



8mm, 7 x 19 Galvanised steel Cable  
(Replace XXX with length in feet)

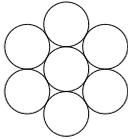
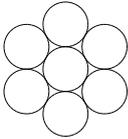
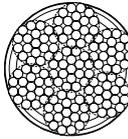
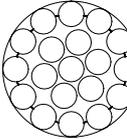
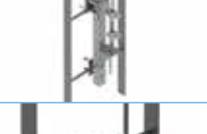
6126XXX



8mm, 1 x 19 Stainless steel Cable with factory end swage  
(Replace XXX with length in feet)

6156XXX

COMPONENT COMPATIBILITY

		6110000	6115XXX	6126XXX	6156XXX
					
6160030		✓	✓	✓	✓
6160037		✓	✓	✓	✓
6160047		✓	✓	✓	✓
6116280		✓	✗	✗	✗
6116325		✗	✓	✗	✓
6116278		✗	✗	✓	✗
6100090		✓	✗	✓	✗
6100095		✗	✓	✗	✓
6100400		✓	✓	✓	✓
6100515		✓	✓	✓	✓
6100420		✓	✓	✓	✓
6100401		✓	✓	✓	✓

## RECOMMENDED DBI-SALA® ACCESSORIES



### Exofit NEX™ Harness

- 1113900 - Small
- 1113901 - Medium
- 1113902 - Large
- 1113903 - XLarge

Only devices approved by DBI-SALA® should be used on the Lad-Saf™ Vertical Safety System. This ensures the safety of your workforce, as many devices are not tested in conjunction with cable fall protection systems.

Your system integrator will advise you further on your equipment selection, including harnesses and training for your personnel for working safely at height.

# capital

S A F E T Y

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## WHY CHOOSE CAPITAL SAFETY?

Capital Safety has over 60 years of experience developing, selling, and supporting fall protection systems around the world with the widest range of products on the market today.

Our dedicated team of Technical Support Advisors are backed by a design team of more than 20 Engineers who can advise on risk assessments, best working practices and the choice of appropriate personal protective equipment for each application. Through this team, we support our extensive network of independent Certified Installers with services ranging from application reviews, overall system design consultation, CAD drawing assistance and system engineering calculations to ensure project designs are optimized.

Our professional and highly skilled team of instructors deliver a full range of training courses. These courses are designed to fully train our Certified Installers in best practices for proper system design, engineering calculation techniques and installation methods.

All DBI-SALA® products are certified to the relevant standard for each product type and installation locations. These certifications have been carried out in conjunction with leading Notified Bodies such as SATRA, DEKRA EXAM GmbH, APAVE SUDEUROPE SAS and TUV NEL Ltd. Our technical team also participate on many of the official Standards Committees who are working to continuously refine and improve the Standards we rely on to improve worker safety.

Capital Safety's Engineering Teams are located in our facilities in Redditch UK, Banska Bystrica Slovakia, Sydney Australia and Red Wing Minnesota USA where they have access to state-of-the-art test facilities capable of performing testing that goes above and beyond current Standards requirements.

Capital Safety is working every day to provide the right solutions, safest products and most extensive services to "Ensure that every worker at height returns home safely".

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**SALA**®