



Fall Protection

Fewer parts. Fast installs.

3M™ DBI-SALA® Lad-Saf™ Flexible Cable Vertical Safety Systems.



www.3M.com/FallProtection



Fall Protection



Adding or upgrading your vertical safety systems just got easier. The new generation of Lad-Saf™ Systems are re-engineered to simplify and speed up the installation process. With up to 72% fewer loose components* than some of our previous models, these lightweight systems are streamlined for easy installation and maintenance on a variety of structures—such as fixed ladders and telecommunication towers.

They have also been designed to meet the requirements of EN353-1:2014 and the new ANSI Z359.16 standard when used with our Lad-Saf X2 or X3 sleeve, helping you to stay in compliance with the current fall protection standards.

* On specific models.



Fall Protection

3M™ DBI-SALA® Lad-Saf™ Flexible Cable Vertical Safety Systems.



Rung, 2 User
Stainless Steel - [6116632](#)

Rung, 2 User
Galvanized Steel - [6116631](#)

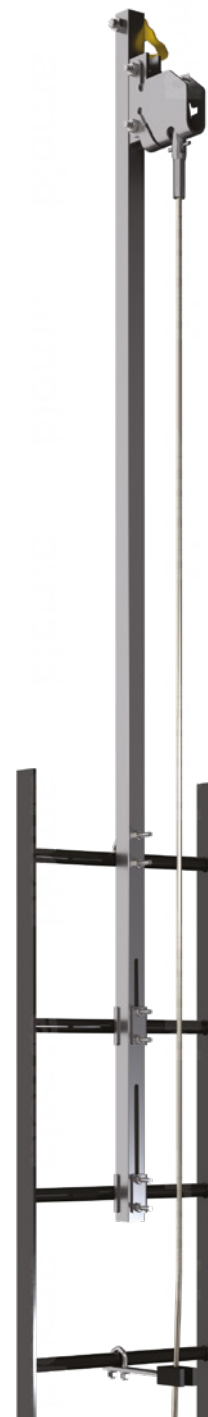


Rung, 4 User
Galvanized Steel - [6116633](#)



Monopole, 4 User
Galvanized Steel - [6116634](#)

Monopole, 4 User
Stainless Steel - [6116638](#)



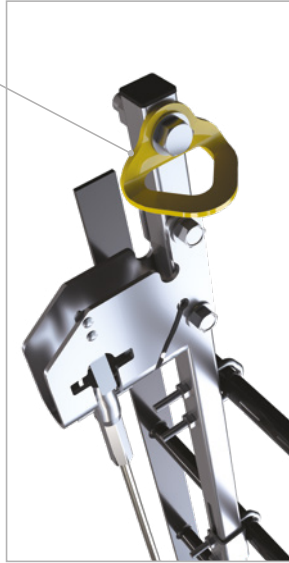
Climb Extension, 2 User
Galvanized Steel - [6116636](#)

Convenient

Integrated fall arrest-rated anchor point.

Fast

Installation is easy with fewer loose parts and more robust cable tensioning and termination as compared to our previous systems.



New Pre-Swaged Cable Termination

Durable, high-strength steel construction that allows for easy installation and maintenance-free longevity.

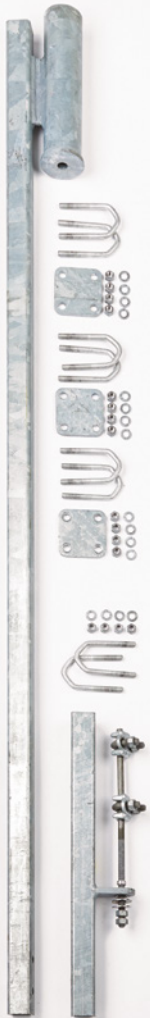
Flexible

Mounting brackets can be used on a variety of fixed ladder styles that may consist of different rung spacings and shapes.

Previous Generation Cable

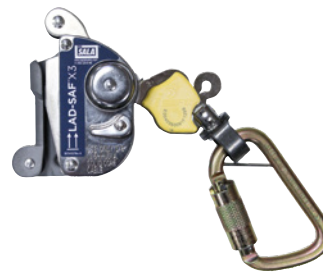
Previous Generation System

New Generation System



Ladder and Climb Extension application fit the following rung types and spacing:

	Rung Spacing	200 - 310 mm (9" - 12.25")
	Cylindrical Rung	19 - 40 mm (0.75" - 1.6") diameter
	Square Rung	19 - 40 mm (0.75" - 1.6")
	Diamond Rung	19 - 40 mm (0.75" - 1.6") height
	Angle Iron	19 - 40 mm (0.75" - 1.6") leg height
	Rectangular Rung	19 - 40 mm (0.75" - 1.6") height, 19 - 48 mm (0.75" - 1.9") width



Compatible

Designed for use with your Lad-Saf™ X3 Detachable Cable Sleeve (6160054). Also compatible with Lad-Saf X2 Detachable Cable Sleeve (6160030 and 6160047).

Light

Total system weighs less than our previous 2 and 4 user systems.

Simple

Most configurations use fewer than 13 separate components - up to 72% less than some of our previous models.

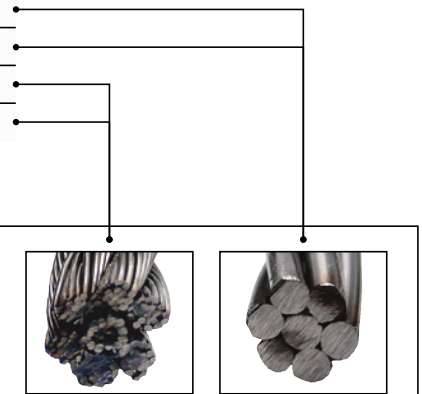
Top & bottom bracket system (both brackets included)

	Application	User	Material
6116631	Rung	2 User	Galvanized Steel
6116632	Rung	2 User	Stainless Steel
6116633	Rung	4 User	Galvanized Steel
6116635	Wood Pole	2 User	Galvanized Steel
6116634	Monopole	4 User	Galvanized Steel
6116638	Monopole	4 User	Stainless Steel
6116636	Climb Extension	2 User	Galvanized Steel

Pre-swaged cable at desired length

First 4 numbers in SKU represent the cable type, last 3 numbers represent cable length in metres.

	Diameter	Strand	Steel	Breaking strength
6134XXX	9.5 mm (3/8")	1 × 7	Galvanized	68.5 kN min
6135XXX	9.5 mm (3/8")	1 × 7	Stainless	68.5 kN min
6136XXX	9.5 mm (3/8")	7 × 19	Galvanized	64.05 kN min
6137XXX	9.5 mm (3/8")	7 × 19	Stainless	53.38 kN min

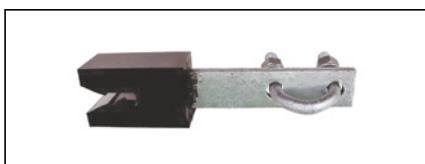


Lifeline cable offered in:

- 5 m to 10 m in 1 m increments
- 10 m to 50 m in 2 m increments
- 50 m to 100 m in 5 m increments

Cable guides as needed (recommend every 6 - 12 m (20 - 40 ft.))

	Application(s)	Type	Material
6100400	Ladder	Straight Guide	Galvanized Steel
6100457	Ladder	Straight Guide	Stainless Steel
6100513	Ladder	L Guide	Stainless Steel
6100530	Ladder	Straight Guide	Galvanized Steel
6100401	Telescoping & Extension	Straight Guide	Stainless Steel
6100515	Monopole	L Guide	Galvanized Steel
6100140	Wood Pole	Straight Guide	Stainless Steel



6100400

Additional cable guides available.

Hollow rung ladder supports

May be required for additional support.

**Contact your
3M™ Fall Protection
sales representative
to find the right
system for your
application.**

The 3M™ DBI-SALA® Lad-Saf™ X3 Detachable Cable Sleeve is exclusively for use on 9.5 mm (3/8") cable and offers dual independent locking systems. As part of a permanently installed ladder system, it is designed to work with many different styles and lengths of ladders on structures like wind turbines, telecommunication towers, buildings, water towers and more.

Lad-Saf X3 Detachable Cable Sleeve - 6160054

Not Intended for use on 8 mm (5/16") cable.

Improved Climability

The Lad-Saf X3 significantly improves climability on 9.5 mm (3/8") cable while still ensuring full compliance with all current standards.



RFID Equipped

Now available on the Lad-Saf X3 Sleeve, the fast and easy scanning of RFID tag improves management of the safety equipment inspection process.

Swivel End

A more maneuverable swivel provides user with increased mobility while climbing.

Lad-Saf X3 Detachable Cable Sleeve - 6160054



Features & Benefits.

Easy to Climb

The Lad-Saf™ X3 Detachable Cable Sleeve is a portable connection device that connects the worker's harness to the ladder cable and glides freely up and down the cable as the worker climbs. Once attached, the sleeve 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.

Dual Independent Locking System

In the event of a fall, the sleeve is designed to lock onto the cable and arrest the fall, and to remain locked until the worker can regain his footing or be rescued. Even if one of the two independent means of locking is compromised, the second means of locking will still engage to arrest the fall.

Easy to Install and Detach

The Lad-Saf X3 is designed for one-handed attachment and detachment anywhere along the cable.

Integrated Energy Absorber / Fall Indicator

The integrated energy absorber reduces the maximum fall arrest force. In the event of a fall 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

The Lad-Saf X3's compact and lightweight design has stainless steel construction to stand up to harsh environments.



General Specifications

- For use with 9.5 mm (3/8") diameter 1 x 7 and 7 x 19 solid core cable ONLY
- Capacity = 1 user of 140 kg (310 lbs.)
- Dual independent locking system
- Size = 12.7 cm (5") x 15.24 cm (6")
- Weight = 1.25 kg (2.75 lbs.)

Materials & Construction

- Body: Heat Treated Stainless Steel
- Rivets: Stainless Steel
- Locking Cam: Heat Treated Stainless Steel
- Springs: Stainless Steel
- Side Plates and Ext. Pieces: Stainless Steel
- Construction: Riveted Assembly



Watch the video.

Visit www.3M.com/LadSaf

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3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use.

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