

3M™ DBI-SALA® Lad-Saf™ X3+ Detachable Cable Sleeve

Technical Data Sheet

Description

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. A Lad-Saf™ X3+ sleeve connects the worker to the system, automatically follows the user during the climb and locks onto the cable in the event of a fall. The system is ideal for ascending and descending from all vertical applications including permanent ladders, power poles, electrical towers and chimneys. Designed for ease of use, economy and versatility, you can bolt or weld the system, choose rung clamp sizes/styles, choose systems for straight or curved ladders and for connection to wood, concrete or steel structures.

Features

- **Sleeve for Lad-Saf™ fixed ladder safety system**
Provides a portable connection point to a ladder safety system, in the event of a fall it locks onto the cable.
- **For use on 10mm 1×19 galvanised or 7×19 stainless steel cable and 3/8" 7×19 galvanised and stainless steel cable**
Sleeve specifically designed to accommodate 10 mm and 3/8" cable for optimum operation and ease of use.
- **Mobile design follows user for convenient climbing protection**
Once attached, the sleeve allows the user to move up and down the entire length of the ladder safety system with ease and confidence.
- **Easy to install and detach anywhere along lifeline**
A simple one-handed attachment and removal offers fast, easy and safe connections at any point along the lifeline for added versatility.
- **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.
- **Built-in energy absorber and fall indicator with swivel**
Deploys in the event of a fall, limits fall arrest forces to 6 kN or less and visually alerts user that the device must be taken out of service. Swivel design enhances mobility, performance and ease of use.



- **Steel karabiner for secure connection to harness**
High strength and corrosion resistant zinc plated steel karabiner offers a self-closing and locking gate for added safety.
- **Extremely rugged and corrosion resistant construction**
Stainless steel construction offers ultimate durability and corrosion resistance in harsh environments for added longevity.
- **Extremely compact, lightweight design**
The sleeve is barely noticeable, easily transported from ladder to ladder and stored for added user satisfaction.
- **Order top and bottom brackets, cable and guides separately**
Configure the system any way you want it, specific to your worksite needs for added flexibility and ease of use.
- **Integrated RFID tag**
RFID identification tag for recording and storing information on inspections.

Standards

Standards AS/NZS 1891.3 and EN 353.1 approved
Sleeve is acceptable for use under AS/NZS 1891.3.

Specifications

6160052

Capacity	140kg
Brand	DBI-SALA®
Sub Brand	Lad-Saf™
Karabiner/Hook	Zinc Plated Steel
Label	Polyester, Stamped
Primary Material	Stainless Steel
Physical Dimensions	12 cm x 18 cm (including connector)
Physical Weight	1.13 kg (2.5lbs)
Product Styles	Mobile
Product Types	Flexible Cable Ladder Safety
Install types	Permanent
Number of Users	One of 140kg
Materials and 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 Not Intended for use on 8 mm cable

Maintenance/servicing/ storage

- If the carrier cable becomes heavily soiled with oil, grease, paint, or other substances, clean it with warm soapy water.
- Wipe off the cable with a clean, dry cloth.
- Do not force dry with heat.
- Do not use acid or caustic chemicals that could damage the cable
- Additional maintenance and servicing procedures must be completed by an authorized service center. Authorization must be in writing.
- The Lad-Saf™ X3+ Detachable Cable Sleeve may be cleaned with warm, soapy water.
- Store the Lad-Saf™ X3+ Detachable Cable Sleeve in a cool, dry, clean environment, out of direct sunlight. Avoid areas where chemicals vapors exist.
- Thoroughly inspect the sleeve after extended storage.
- Transport the Lad-Saf™ system in an enclosure to protect it from any cuts, moisture or ultraviolet light. Avoid corrosive, overheated or refrigerated atmospheres.

Important

Do not disassemble sleeve.

If the Lad-Saf™ X3+ Detachable Cable Sleeve is disassembled or tampered with in any manner it may result in serious injury or death.

Inspection

Before Each Use:

Visually inspect the full body harness, Lad-Saf™ X3+ Detachable Cable Sleeve, Lad-Saf™ Ladder System installation, and ladder structure. Check the system label to verify that annual inspection is current. If the condition of the system is in doubt, do not use.

Periodic Formal Inspection:

A formal inspection of the Lad-Saf™ X3+ Detachable Cable Sleeve, Lad-Saf™ Ladder System installation, and the ladder structure must be performed at least annually by a competent person other than the user. Record the results at the end of this manual.

After a Fall:

If a fall occurs with the Lad-Saf™ Ladder System a formal inspection of the entire system must be performed by a competent person other than the user. A separate fall protection system must be used while inspecting the Lad-Saf system. Record the inspection results in the Inspection and Maintenance Logs at the end of this manual.

If inspection reveals an unsafe or defective condition remove the Lad-Saf™ X3+ Detachable Cable Sleeve or the Lad-Saf™ Ladder System from service. Contact an authorized service center for repair or destroy the sleeve.

Do not attempt unauthorized repair:

Record the results of this inspection in the Inspection and Maintenance Log.

Ordering Information

3M Code	Model #	Description
70007484242	6160052	Lad-Saf X3+ Detachable Cable Sleeve

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