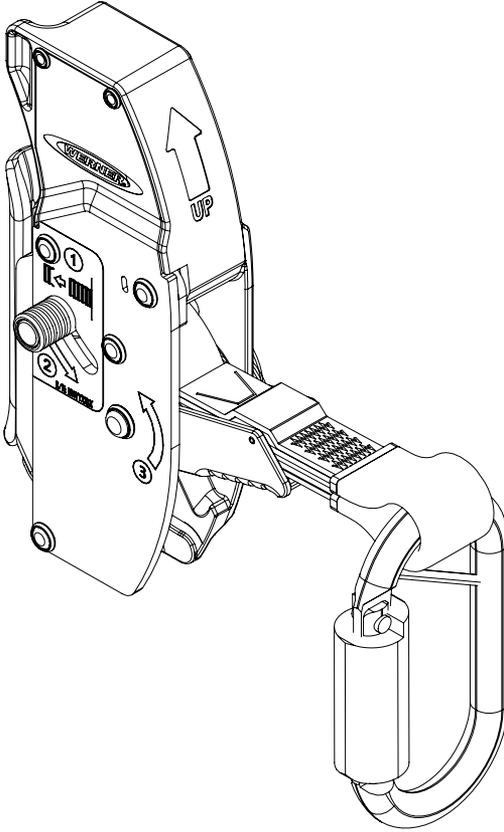




USER INSTRUCTIONS

L213500 CABLE GRAB

Complies with ANSI Z359.16-2016, OSHA 29 CFR 1910 and 1926 regulations.



WARNING!

*Compliant fall protection equipment must only be used as it was designed and adhere to the hierarchy of controls as discussed in ANSI Z359.2. Users **MUST** read and follow all user instructions provided with the product. Before using a fall arrest system, users must be trained in the safe use of the system, as required by OSHA 29 CFR 1910.30 and 1926.503, or local safety regulations. **Misuse or failure to heed these warnings and instructions may result in injury or even death.***

WORK SAFE! WORK SMART!

IF YOU HAVE ANY QUESTIONS ABOUT THE PROPER USE OF THE EQUIPMENT, SEE YOUR SUPERVISOR, USER INSTRUCTIONS, OR CONTACT WERNER CO. FOR MORE INFORMATION.

GENERAL SAFETY INFORMATION

These User Instructions are not to be removed except by the user of this equipment. Current User Instructions must always be available to the user.

WARNING!

1. *Failure to follow all instructions and limitations may result in serious personal injury or death.*
2. *Minors, pregnant women and anyone with a history of either back or neck problems should not use this equipment.*
3. *Do not use or install equipment without training in accordance with the requirements of OSHA 29 CFR 1910.30 and 1926.503 in the safe installation and use of the system and its components from a "competent person" as defined by OSHA 29 CFR 1926.32(f).*
4. *Do not use the L213500 with incompatible cables or improperly installed vertical fall arrest systems.*
5. *Only use with vertical fall arrest systems, harnesses, structure, and associated PPE that comply with applicable standards.*
6. *The L213500 must only be used with an ANSI Z359.16 compliant safety systems that use a 3/8 inch, solid core, 1x7 or 7x19 steel or stainless steel cable with at least 50 lbs. of tension.*
7. *Not all fall protection and rescue components are rated for the same user weight capacity. Only use components with compatible weight capacities.*
8. *The user must consider other safety issues according to OSHA, the means and methods of the work, applicable regulations, or policy. The scope of this instruction is limited to the use of the product. The user must evaluate other safety considerations in the area and work in which the system is used.*
9. *Personal fall arrest systems must be inspected prior to each use for wear, damage and other deterioration. Defective components must be immediately removed from service in accordance with the requirements of OSHA 29 CFR 1910.140 and 1926.502.*
10. *Do not hold or grasp the cable grab while actively climbing.*
11. *Do not expose equipment to chemicals, high heat, severe cold or other harsh environments which may produce a harmful effect.*
12. *Caution must be taken with the equipment around moving machinery, electrical hazards, sharp and abrasive surfaces. Do not allow the equipment to be entangled in moving equipment or near electrical sources.*
13. *Do not use if inspection reveals any defect, wear, damage, deterioration, inadequate maintenance, or unsafe condition. Do not use any equipment that has been subjected to the forces of arresting a fall or if any part of the load indicator warning is showing.*
14. *Only Werner Co., or persons or entities authorized in writing by Werner Co., shall make repairs or alterations to the equipment.*
15. *Alterations or misuse may result in serious personal injury or death.*

USE INSTRUCTIONS AND LIMITATIONS

IMPORTANT

Before use, the user must read and understand these User Instructions. Keep these User Instructions for reference.

WARNING!

Do not use the L213500 with incompatible, untensioned, partially installed, or improperly installed cables or fixed fall arrest systems.

1. The L213500 Cable Grab is designed for use as a fall arrest system for a single user and on a permanently installed ANSI Z359.16 compliant system that is capable of supporting fall arrest loads.
2. The L213500 must only be used with compatible cables, installed according to manufacturer instructions or qualified person design. No alternative combinations may be made or used without Werner Co. consent.
3. Only anchor to the sternal (upper front) D-ring on the user's full body harness.
4. Users must have an unobstructed climbing path for the system.
5. Do not add length, shorten or modify the connecting lever, energy absorber, or harness connection.
6. If attaching or using the L213500 by any method(s) other than instructed, the attachment and use must be approved by a qualified person as acceptable.
7. The L213500 is not suitable to be used as part of a horizontal lifeline, positioning system, tie-back anchorage, or for lifting equipment.
8. A rescue plan, and the means at hand to implement it, must be in place that provides the prompt rescue of users in the event of a fall, or assures that users are able to rescue themselves.
9. The L213500 is designed to be used in temperatures ranging from -40°F to +130°F (-40°C to +54°C).
10. When using and climbing with the L213500, do not rest or work-position from the cable grab. It is designed for fall arrest only.
11. The L213500 must only be used on cable systems where the cable can be removed from the intermediate stays. The cable must be able to be pulled out of the intermediate stay so the L213500 can pass through without disconnection. The L213500 must not be used on cable systems where the cable is fixed to the intermediate stay.

CONNECTION REQUIREMENTS

COMPATABILITY LIMITATIONS

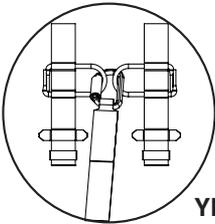
The system must only be coupled with the compatible connectors supplied with the system. OSHA 29 CFR 1926.502 prohibits snaphooks from being engaged to certain objects unless two requirements are met: it must be a locking type snaphook, and it must be "designed for" making such a connection. "Designed for" means that the manufacturer of the snaphook specifically designed the snaphook to be used to connect to the equipment listed. The following connections must be avoided, because they can result in rollout* when a nonlocking snaphook is used:

- Direct connection of a snaphook to horizontal lifeline.
- Two (or more) snaphooks connected to one D-ring.
- Two snaphooks connected to each other.
- A snaphook connected back on its integral lanyard.
- A snaphook connected to a webbing loop or webbing lanyard.
- Improper dimensions of the D-ring, rebar, or other connection point in relation to the snaphook dimensions that would allow the snaphook keeper to be depressed by a turning motion of the snaphook.

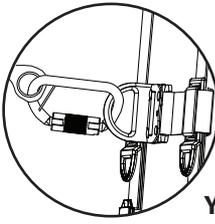
***Rollout: A process by which a snaphook or carabiner unintentionally disengages from another connector or object to which it is coupled. (ANSI Z359.0-2023)**

COMPATIBLE CONNECTIONS

The only connections needed with this system are the L213500 to the compatible cable and the carabiner to the sternal (upper front) connection of a full body harness. No other connections are required to use the system. The L213500 must only be used on ANSI Z359.16 compliant fall arrest systems that utilize a 3/8 inch, solid core, 1x7 or 7x19 steel or stainless steel cable with at least 50 lbs of tension.

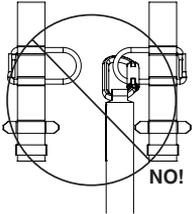


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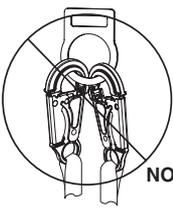


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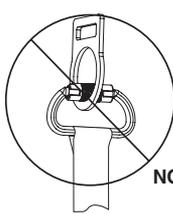
INCOMPATIBLE CONNECTIONS



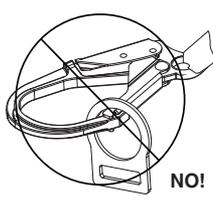
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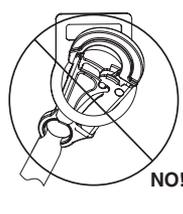
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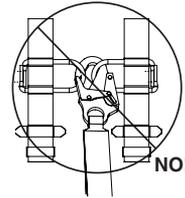
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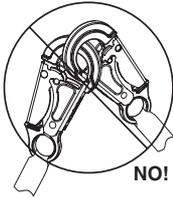
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NO!



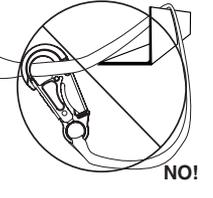
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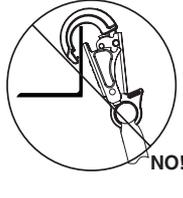
NO!



NO!



NO!



NO!

CLEARANCE REQUIREMENTS

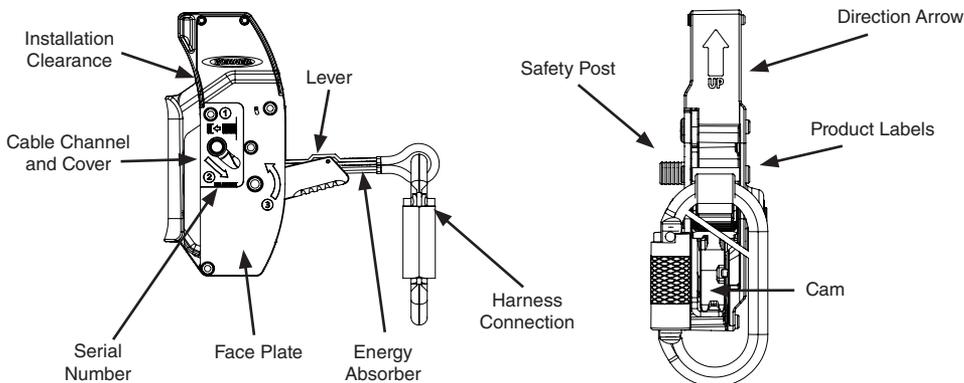
Total Fall Distance (Free Fall & Deceleration):	3.25 ft (1.0 m)
Harness Stretch:	1.00 ft (0.3 m)
Safety Margin:	<u>2.00 ft (0.6 m)</u>
Clearance Required from Feet	6.25 ft (1.9 m)

PERFORMANCE

Model	User Capacity	Maximum Arrest Force	Average Arrest Force	Minimum Breaking Strength (MBS)
L213500	130 - 310 lbs (59 - 141 kg)	1800 lbs (8 kN)	1350 lbs (6 kN)	3600 lbs (16 kN)

SPECIFICATIONS

Material	Length	Width	Height	Weight	Length of Connection to Harness	Compliance
Stainless Steel, Aluminum, Polyester	4.0 in (102 mm)	2.0 in (51 mm)	6.5 in (165 mm)	2.25 lbs (1.02 kg)	8.25 in (210 mm)	ANSI Z359.16-2016, OSHA 1910.29, OSHA 1926.502



INSTALLATION

BEFORE EACH USE

Inspect all components of the L213500 prior to each use. If inspection reveals any wear, damage, or any other deterioration, immediately remove from service.

WARNING!

The L213500 must only be used with ANSI Z359.16 compliant vertical safety systems that use a 3/8 inch, solid core, 1x7 or 7x19 steel or stainless steel cable with at least 50 lbs. of tension.

INSTALL THE L213500

1. After inspection, lift and hold the lever upward.
2. While holding the lever upward, pull the safety pin away from the body of the L213500 and slide it down the slot. (Fig. 1)
3. While holding the lever up, orient the cable channel at a 45 degree angle relative to the cable. Place the cable into the installation clearance and rotate the device to vertical to capture the cable. Sliding the device up the cable a couple of inches will assist in moving the cam out of the way during installation. The direction arrow must point upwards.
4. Release the L213500. The safety pin will return to its original position and close the channel cover, capturing the cable. (Fig. 3)
5. Confirm that the L213500 has fully captured the cable.
6. Check for proper operation by:
 - 6.1 Sliding the L213500 up and down the cable, checking for smooth operation.
 - 6.2 Lifting the L213500 up, holding the connecting lever in the up position and releasing it, allowing it to fall down the cable. The L213500 must lock on the cable.
 - 6.3 Lifting the L213500 up, holding the connecting lever in the up position, and quickly slide it down the cable
 - 6.4 While holding the connecting lever up. The L213500 must lock on the cable.
7. Use the connecting carabiner to attach the L213500 to the upper front (sternal) D-ring of the harness.

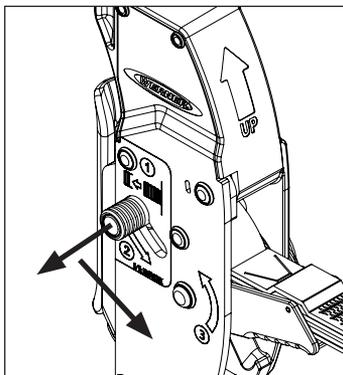
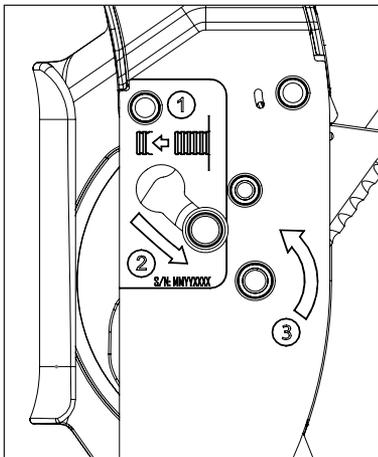


Fig. 1 Open L213500 by pulling the safety pin outward from device and sliding it down the slot with the lever up.

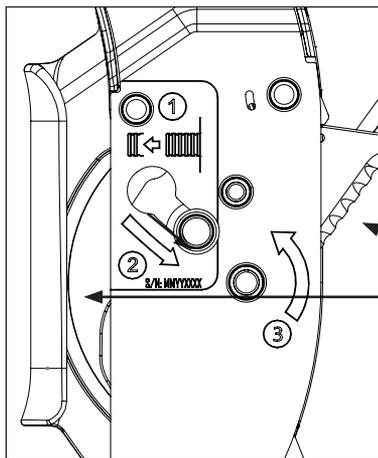


Fig. 2 Open: Lever up, safety pin open, cable channel open.

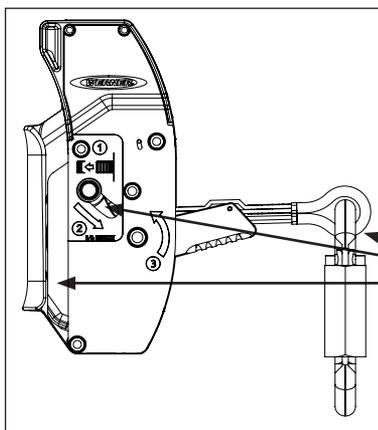


Fig. 3 Closed: Lever down, safety pin closed, cable channel closed.

REMOVE THE L213500:

1. Upon reaching a protected area, disconnect the harness from the connecting carabiner.
2. Lift and hold the lever upward.
3. While holding the lever upward, pull the safety post away from the body of the L213500 and slide it down the slot.
4. Remove the L213500 from the cable and store.

CLEANING, MAINTENANCE, AND STORAGE

WARNING!

Only Werner Co., or persons or entities authorized in writing by Werner Co., shall make repairs or alterations to the equipment.

Regular inspections, cleaning, maintenance and storage will prolong the life and proper functioning of the product. The frequency of cleaning should be determined by inspection and by severity of the environment. Clean using plain water or a mild soap and water solution. Lubricate using Teflon based dry lubricant as required. Do not use any corrosive chemicals that could damage the product. Wipe all surfaces with a clean, dry cloth and air dry. When not in use, store the system in a cool, dry, clean environment, out of direct sunlight and free of corrosive or other degrading elements.

INSPECTION

WARNING!

If inspections reveal any damage, defect, issue, or signs of fall arrest use, stop use immediately and remove from use. Proper disposal is required by discarding the unit. The L213500 must be rendered unusable and properly discarded.

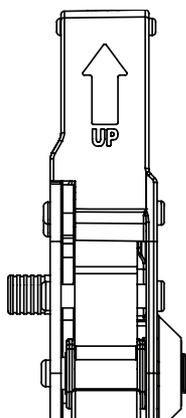
FREQUENCY

The L213500 must be inspected before each use. Detailed, periodic inspections must be made at least annually with inspection results documented. Company policy, local occupational health and safety regulations, or abusive environments may require more frequent inspections determined by the employer (Program Administrator). The inspection must be performed by a competent or qualified person other than the intended user and validate the installation sections of the User Instruction Manual. If severe weather or environmental conditions exist then inspections must be carried out more frequently. All inspection results must be logged either in the space provided or alternative documentation method.

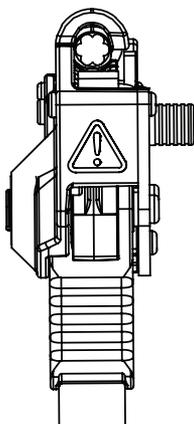
CRITERIA

1. Inspect that all labels are present and legible.
2. Inspect the body of the L213500 for signs of impact, abuse, damage, excessive wear, deformity, or corrosion.
3. Inspect the energy absorber and harness connecting loop for signs of excessive wear, broken or torn webbing, or signs of deployment.
4. Inspect inside the L213500 cable channel for signs of damage or foreign material. Clean as necessary.
5. Inspect the carabiner for proper function; that it opens and closes smoothly.
6. Inspect the body of the carabiner for signs of deformity or damage.
7. Inspect the locking cam of the L213500 by holding the lever upward and opening the safety post and cable channel.
8. Hold the cable grab vertically and rotate the L213500 toward a horizontal position. The locking cam inside the cable channel must rise and move into the cable channel.
9. Record periodic inspection results in the space provided or alternative documentation method.
10. Note to schedule the next inspection.

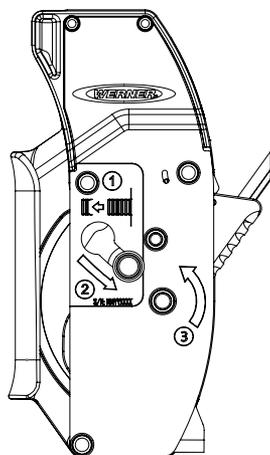
LABELS AND MARKINGS



"UP" Direction
Marking



Upside Down
Warning Marking



Markings for
Installation Steps



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