



# N-621, N-623 Cable Grab

## INSTRUCTIONS AND WARNING INFORMATION

**USER MUST READ AND UNDERSTAND MANUFACTURER'S INSTRUCTIONS FOR THIS PRODUCT AND PERSONAL FALL ARREST SYSTEMS. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH.**

This instruction manual meets the manufacturer's instructions requirements of ANSI Z359.1

**LIRE D'ABORD CET AVERTISSEMENT**

Il est essentiel pour sa sécurité que l'utilisateur comprenne intégralement le présent guide avant d'utiliser le dispositif. Une mauvaise compréhension de ce guide peut entraîner un risque mortel. L'utilisateur qui ne comprend pas couramment l'anglais doit recevoir l'information équivalente d'un spécialiste de la sécurité ou de son superviseur.

**LEER ESTA ADVERTENCIA PRIMERO**

Es necesario, para su propia seguridad, que el usuario lea y comprenda íntegramente este manual antes de utilizar el dispositivo. Si no se asimila bien este manual, puede tener como consecuencia riesgo mortal. Si el usuario no comprende suficientemente el inglés, es necesario que tenga la información equivalente por parte de un especialista en seguridad o de su responsable superior.

The N-621, N-623 cable grabs are only part of a total fall protection system and the use of compatible hardware and components is mandatory. The system components must meet local, state, federal and provincial regulations before being incorporated in a personal fall protection system. It is imperative for the safety and efficiency of operations that this manual be read and fully understood by the worker before using any fall arrest system. ALL instructions contained herein must be carefully read and strictly followed for proper use and maintenance of the equipment. Alterations or misuse of this product, or failure to follow instructions can result in serious injury or death. If you have any concerns or questions, please contact YOKE.

**IN AN ENVIRONMENT WHERE A FALL HAZARD EXISTS, SAFETY IS A MATTER OF LIFE OR DEATH FOR WORKERS AND BYSTANDERS.**

This instruction manual is intended to meet the "Manufacturer's Instructions" as required by ANSI and CSA and should be used as part of an employee training program as required by OSHA.

It is neither a regulations compliance guide nor a general training guide for fall arrest, work positioning or travel restraint systems. You must refer to instructions delivered by manufacturers of the pieces of equipment included in your system. Whenever calculations and specific installations are required, the worker should be professionally trained to that end and should secure relevant information prior to commencing such work.

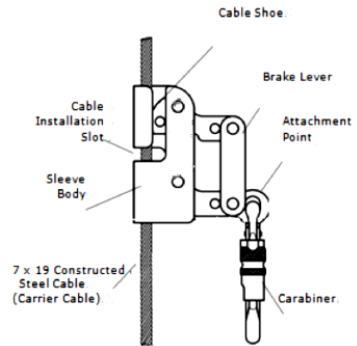
**FIRST READ THE FOLLOWING WARNINGS**

**PRIOR INFORMATION**

- I. It is the operator's responsibility, and their employer's responsibility, if they operate under an employer's control, to strictly conform to the following warnings and to the instructions in this manual.
- II. It is imperative for safety and efficiency, that this manual be read and fully understood by the operator before using N621, N623, and that all the instructions contained herein be followed accordingly.
- III. This manual should be available at all times to all users. Keep these instructions handy for easy reference whenever required. Extra copies are available from YOKE.
- IV. This fall arrest equipment must be placed under the authority of a competent person being fully aware of the applicable safety regulations for use, maintenance and control of the equipment.
- V. Equipment associated with the use of N621, N623 (constituting the complete fall arrest system), especially the harness, lanyard, lifeline and connecting equipment, must comply with applicable safety regulations, either local, state, federal and regional, and be compatible with one another and with N621, N623 cable grabs as described in this manual. YOKE denies liability for any incident due to non-compliance of components not sold or not recommended by YOKE.
- VI. The cable to be associated with N621, N623 must comply with requirements of applicable ANSI, OSHA, CSA standards for fall protection. Fatal hazard may result from using inadequate cable with N621, N623.

**TRAINING AND QUALIFICATION**

- VII. Do not use N621, N623 unless properly trained. A fall could result in serious injury or death.
- VIII. Health condition of the operator must be compatible with a possible fall arrest operation of the system used.
- IX. Before operating, a worker should be :
  - a) mentally and physically fit for the purpose, especially at heights or in confined spaces
  - b) free from the influence of alcohol or drugs
  - c) competent for the job to be performed
  - d) familiar with the equipment and all applicable safety rules, regulations and requirements
  - e) trained under safe conditions, for working under the above requirements
- X. Training must be extended to maintenance and control. It must be carried out under safe conditions excluding risk of fall. The training of the operator must be extended to a proper rescue procedure which must be set up in writing under the authority in charge of the equipment by a competent person or technical consultant.



Model	Cable Dia.	Safety Standard	Anti-Inversion
N621	5/16" (8 mm)	ANSI Z359.1	✓
N623	3/8" (10 mm)	ANSI Z359.1	✓

**7 X 19 CABLE ONLY**  
N-621/N623 cable grab shall only be used on 7 x 19 constructed cable of the diameters specified above.

**CONTROL AND MAINTENANCE**

- XI. The installation of the cable, and the fitting of N621, N623 on it must be carried out under safe conditions according to the applicable local, state, federal and regional regulations.
- XII. The installation of the lifeline must be completed by a competent person to check that the anchorage is adequate, according to the applicable safety regulations, and that it can safely bear the dynamic loads applied in case of fall arrest.
- XIII. Every time the operator is to be connected on to the vertical lifeline, inspect the cable grab and the associated equipment, specifically ensure the lifeline is in good condition, as explained in this manual. Never operate the equipment if damage is noted. Check that the anchoring of the cable is safe and adequate for the load and the type of operation, according to applicable regulations.
- XIV. The operator must be located in the vertical alignment of the vertical lifeline, in a safe and stable place for getting connected to N621, N623, according to the applicable safety regulations.
- XV. A careful and regular inspection of N621, N623 and of the associated fall arrest equipment is part of the maintenance requirements for safe operation, especially under site conditions. Keep N621, N623 clean and free from dirt. Check that the cable grab mechanism moves properly and efficiently before each operating session.
- XVI. YOKE declines any responsibility for the consequences of dismantling or altering N621, N623, beyond description in this manual by anyone who is not authorized by YOKE. YOKE also declines any responsibility for the consequence of repair having been carried out beyond its control.
- XVII. Except for the operations described in this manual, the maintenance of YOKE equipment as well as repair, must be exclusively done by YOKE.
- XVIII. Should the responsible authority decide that a fall arrest piece of equipment is no longer suitable for use, take precautions in disposing of it so that it cannot be re-used.

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## WARNING

These instructions must be provided to the user of the cable grab. It is the responsibility of the user to read and understand these instructions before using this equipment. Failure to do so could result in serious injury or death. Certified fall protection and product training is required before using this equipment and maybe also required by local Occupational Health and Safety.

## 1. DESCRIPTION

This manual applies to the following Cable Grabs

MODEL	DESCRIPTION
N-621	Cable Grab for 5/16" (8mm) cable
N-623	Cable Grab for 3/8" (10mm) cable

These fall arresters are for use as part of a complete fall arrest system that must also include a CSA and/or ANSI approved full body harness, and other personal protective equipment.

## APPLICATIONS

The N-621, N-623 are designed to protect a worker in the event of a fall while climbing FIXED LADDERS OR SIMILAR CLIMBING STRUCTURES. The N621, N623 are used as a traveller in vertical SYSTEMS. The vertical system MUST either contain an IN-LINE ENERGY ABSORBER or when system does not have in-line energy absorber, the N621, N623 MUST be used with an ENERGY ABSORBING ELEMENT attached to N621, N623.

The N-621, N-623 are not designed for material handling applications

DO NOT USE CONNECTION DEVICES TO N621, N623 OTHER THAN N250G CARABINER.

DO NOT ATTACH ADDITIIONAL CONNECTORS OR LANYARDS BETWEEN THE USER AND THE N621, N623

NOTE: N621, N623 are designed for use with maximum connection length between carrier cable and attachment point of 9" (225mm) as per ANSI A14.3, CSA Z259.2.5 and OSHA 1926.1053

## WARNING:

Alteration or misuse of these cable grabs is forbidden and may result in serious injury or death. If you have any questions on the operation, maintenance, or suitability of these cable grabs for your application, contact YOKE for further instructions

## 2. CAPACITY

Each Fall Arrestor is limited to one person only with a maximum total combined weight of 310 lbs including tools and equipment.

## 3. MINIMUM FALL CLEARANCE

A minimum fall clearance of 7 ft. (2m) is required between the user's feet and surface below. The user may not be protected against hitting the ground or landing during the first 7 ft. (2m) of ascent or last 7 ft. (2m) of descent. Use proper climbing procedures (e.g., maintain 3 points of contact with hands and feet) when ascending or descending any portion of the ladder.

## 4. ANCHORAGE

### 4.1 Strength

Each Fall Arrestor must be connected to the applicable vertical cable lifeline that is anchored to a suitable structure capable of resisting a static load of 5000 lbs (22.2 kN). If more than one vertical lifeline is anchored to the structure, the structure must be capable of resisting static loads equal to the above values multiplied by the number of vertical lifelines attached to it.

- Always check for obstructions below the work area to make sure that the potential fall path is clear.
- Always work directly under the anchorage point to avoid a swing fall injury

## 5. CONNECTORS

Use only Yoke N-250G carabiner as attachment between sternal d-ring on user's harness and N-621, N-623. It is further recommended that only CSA Z259.12 and/or ANSI Z359.12 approved connectors be used in the fall arrest system. Connectors must be compatible with the vertical lifeline, the anchorage, or anchorage connector in terms of size, shape, and strength. Non-compatible connectors may unintentionally disengage (roll-out).

## 6. INSPECTION AND MAINTENANCE

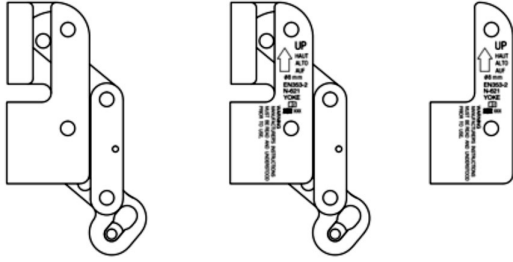
### 6.1 Before Each Use

The user of the N-621, N-623 must visually inspect the entire cable grab for any obvious signs of damage, deterioration or distress.

- Open unit and inspect all components. All components must be free of dirt or debris.
- Check components for damage or wear that may affect the free movement and/or operation of the mechanism. If in doubt of condition, do not use. Units with signs of any damage should be removed from service and properly discarded.
- Inspect for signs of wear, distortion, bends, cracks on all components of N-621, N-623 especially connection point, brake lever and cable shoes. If inspection reveals an unsafe condition, immediately remove unit from service and mark for destruction.
- Inspect gripping mechanism for proper operation by pivoting ring and gripper back and forth. Movement should be free and easy without binding. The spring resistance should be noticeable.
- The anti-inversion washer should move freely in the attachment point slot. Turn N-621, N-623 upside down and attempt to install the N250G into the attachment point. The anti-inversion washer should prevent installation of the N250G carabiner. If the anti-inversion washer is not functioning properly and allows for installation of N250G when unit is upside down, immediately remove N621, N623 from service and mark for destruction.
- The locking lever should have noticeable spring resistance to open and should easily spring back into the closed position.
- Inspect the N250G carabiner for damage. Ensure that the gate opens and closes freely. Ensure that gate fully closes and locks.
- Do not attempt to alter or repair the N-621, N-623.

### 6.1 Before Each Use (continued)

- Ensure that all markings are present on N-621, N623 and N250G carabiner. If markings are damaged or illegible, remove unit from service and mark for destruction.



- All other components of the fall protection system attached to and used in conjunction with the N-621, N-623 should be inspected as per manufacturer's instruction, and be compatible. Record inspection results and keep on file.
- Inspect the fixed ladder system as per manufacturer's instructions. DO NOT CLIMB a structure where there is doubt concerning its integrity.
- If in doubt about safety or condition of the N621, N623 or any other fall protection equipment to be used, immediately have it inspected by a trained competent/qualified person. In the case of N-621, N-623 it may be returned YOKE or authorized agent for a detailed inspection.

### 6.2 Annual Inspection

An annual or more frequent inspection depending on usage must be performed by a trained and competent person other than the user. A written record of this inspection and approval for continued use should be kept in company records.

### 6.3 Maintenance

- Clean N-621, N-623 with water and mild soap. Wipe off with clean dry cloth. Low pressure compressed air may be used.
- Lubricate with light oil such as WD-40. Use a small amount of oil on pivot points. ENSURE THAT OIL IS NOT PLACED ON BRAKING PADS OF N-621, N-623. ANY LUBRICANT ON BRAKING PAD MUST BE THOROUGHLY REMOVED IN ORDER TO ENSURE PROPER AND SAFE FUNCTION OF CABLE GRAB.

## 7. INSTALLATION AND USE

### 7.1 Installation N621, N623 Model Cable Grabs

**WARNING – THE N-621, N-623 MUST ONLY BE USED ON A VERTICAL CABLE SYSTEM THAT IS PART OF A FIXED LADDER OR SIMILAR CLIMBING SYSTEM**

Ensure that the N-621, N-623 is properly positioned relative to the carrier cable (UP arrow on cable grab must be pointing in the ascending direction).

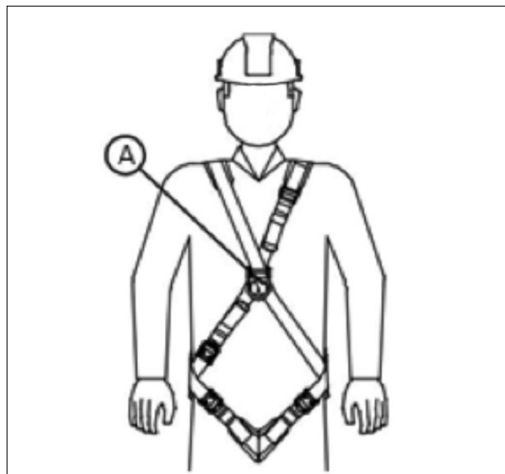
Remove the N-250G from the attachment point of the cable grab and open the brake lever to its fully upright position. This action will pull back the braking pads and allow for insertion of the cable into the cable installation slot on the cable grab. The design of N-621, N-623 does not allow for the cable grab to be either installed or removed to a vertical cable ladder system when the N250G is installed on the attachment point of N-621, N-623.

Rotate the N-621, N-623 perpendicular to the vertical cable and position the cable grab so that the cable slides all the way into the cable installation slot on the cable grab.

Rotate the N-621, N-623 back to vertical position (with UP arrow pointing in the ascending direction).

Release the handle – the braking pads of the cable grab should now engage the cable. Re-attach the N-250G carabiner to the attachment point on the cable grab.

Only connect the N-621, N-623 to the STERNAL d-ring attachment of the user's full body harness using N-250G carabiner. Ensure that the carabiner is fully closed and locked. THE MAXIMUM DISTANCE BETWEEN THE CARRIER CABLE AND THE HARNESS MUST NOT EXCEED 9" (225 MM). Connection of the N-621, N-623 to the full body harness must only be conducted after cable grab has been properly attached to the vertical cable and when risks of a fall during attachment have been eliminated.



When ascending, climb up the ladder in normally as per ladder system manufacturer's instructions. The N-621, N-623 will follow the climber. Use caution when climbing and avoid carrying items that will impede your hands from climbing safely. To descend, climb down normally as per ladder system manufacturer's instructions. Climbing down while leaning back excessively will restrict proper movement of N-621, N-623.

**8. ENVIRONMENTAL HAZARDS**

Avoid use near sharp edges, abrasive surfaces, moving machinery and electrical hazards. Avoid exposure to harmful chemicals, heat and direct sunlight (UV rays).

**Warning:** Fall Arrestor may not be suitable for use when the user is positioned on unstable surfaces that can flow such as fine grain or particulate material since the slow movement of the user in the flowing material may not be sufficient to lock off the cable grab.

**9. AFTER FALL**

After a fall, the cable grab must be immediately removed from service and destroyed.

**10. RESCUE**

It is the responsibility of the user and purchaser of this equipment to ensure that a rescue plan is in place to immediately detect and safely retrieve a fallen worker.

**11. MANUFACTURER**

For additional information, maintenance, inspection, and servicing contact:



**YOKE INDUSTRIAL CORP.**

#39, 33rd Road, Taichung Industrial Park,  
 Taichung 407, TAIWAN  
 Tel:+886-4-2350-8088  
 Fax:+886-4-2350-1001  
 E-mail: yoke777@ms74.hinet.net  
 http://www.yoke.net

An ISO 9001 Certified Company

Purchase date	Service entry date	User's name
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**INSPECTION CHECK LIST**

DATE	NOTE	CORRECTIVE ACTION TAKEN	PERFORMED BY	SIGNATURE
	PASS <input type="radio"/>	RETURN TO REPAIR <input type="radio"/>		
	FAIL <input type="radio"/>	DESTROY <input type="radio"/>		
	PASS <input type="radio"/>	RETURN TO REPAIR <input type="radio"/>		
	FAIL <input type="radio"/>	DESTROY <input type="radio"/>		
	PASS <input type="radio"/>	RETURN TO REPAIR <input type="radio"/>		
	FAIL <input type="radio"/>	DESTROY <input type="radio"/>		
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