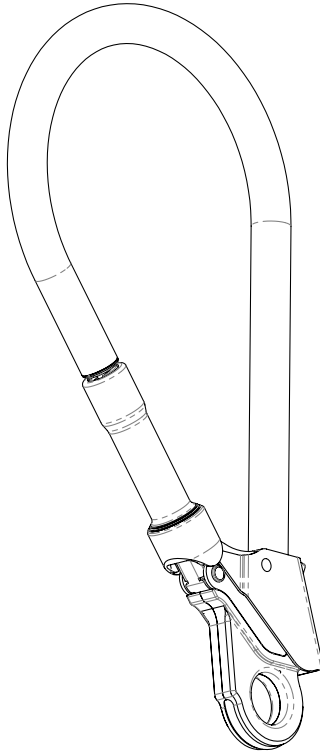




CLIMBTECH



OPERATION AND INSTRUCTION MANUAL Model: CBH013X



WARNING: ALL PERSONS USING THIS EQUIPMENT MUST READ AND UNDERSTAND ALL INSTRUCTIONS. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY OR DEATH. USERS SHOULD BE FAMILIAR WITH PERTINENT REGULATIONS GOVERNING THIS EQUIPMENT. ALL INDIVIDUALS WHO USE THIS PRODUCT MUST BE PROPERLY INSTRUCTED ON HOW TO USE THE DEVICE. AVOID CONTACT WITH PHYSICAL HAZARDS (THERMAL, CHEMICAL, ELECTRICAL, ETC.). MAKE ONLY COMPATIBLE CONNECTIONS.

Read This Instruction Manual Carefully Before Using This Equipment.

User instructions must always be available and shall be retained by the Program administrator or similarly recognized person. For proper use, see program administrator, user instructions, or contact the manufacturer.



WARNING

Compliant fall protection and emergency rescue systems help prevent serious injury during fall arrest. Users and purchasers of this equipment must read and understand the User Instructions provided for correct use and care of this product. All users of this equipment must understand the instructions, operation, limitations and consequences of improper use of this equipment and be properly trained prior to use in accordance with applicable standards. All references to “applicable standards” refer to ANSI, OSHA, state, local, and/or federal standards that apply to approved use.

Misuse or failure to follow warnings and instructions may result in serious personal injury or death.

PURPOSE

The CBH013X is an anchorage connector designed to function as an interface between the anchorage and a fall protection, work positioning, rope access, or rescue system for the purpose of coupling the system to the anchorage. Any references to “anchorage connector” in this manual include, and apply to, the CBH013X.

USE INSTRUCTIONS

1. A user must be of sound mind and body to properly and safely use this equipment in normal and emergency situations. Users must have a physician ensure they are clear of any medical conditions that may affect the proper and safe use of this equipment in normal and emergency situations.
2. Before using a personal fall arrest system, user must be trained in accordance with the requirements of applicable standards in the safe use of the system and its components.
3. Only use with systems that comply with applicable standards. The anchorage must have the strength capable of supporting a static load, applied in the directions permitted by the system, of at least 5,000-lbf (22kN) in the absence of certification.
4. The user shall be equipped with a means of limiting the maximum dynamic forces exerted on the user during the arrest of a fall to a maximum of 8 kN (1800-lbf). In the EU these forces must be limited to 6 kN (1350-lbf).
5. Use of this product must be approved by an engineer or other qualified person (as defined by OSHA CFR 29 1926.32 (m)) to be compatible with any and all structural & operational characteristics of the selected installation location and system to be connected to this anchorage connector.
6. The anchorage connector must be inspected prior to each use for wear, damage, and other deterioration. If defective components are found the anchorage connector must be immediately removed from service in accordance with applicable standards and manufacturer's inspection requirements.
7. The anchorage connector should be positioned in such a way that minimizes the potential for falls and the potential fall distance during use. The complete fall protection system must be planned (including all components, calculating fall clearance, and swing fall) before using. Anchorage connector may lengthen up to 6” (153 mm) in the event of a fall.
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. After a fall occurs the anchorage connector must be removed from service and destroyed immediately.
10. Anchorage connectors due for scheduled maintenance or inspection should be tagged not for use until maintenance or inspection has been performed.

USE LIMITATIONS: The anchorage connector shall not be used outside its limitations, or for any purpose other than that for which it is intended.

1. The anchorage connector is designed for a single user, with a capacity up to 310 lbs (140 kg) including clothing, tools, etc.
2. The anchorage connector may only be loaded as shown in the CONNECTION INSTRUCTIONS.
3. The anchorage connector is designed to be used in temperatures ranging from -10°F to +130°F (-23°C to +54°C).
4. Do not expose the anchorage connector to chemicals or harsh solutions which may have a harmful effect.
5. Do not alter or modify this product in any way.
6. Caution must be taken when using any component of a fall protection, work positioning, rope access, or rescue system near moving machinery, electrical hazards, sharp edges, or abrasive surfaces, as contact may cause equipment failure, personal injury, or death.
7. Do not use/install equipment without proper training by a “competent person” as defined by OSHA 29 CFR 1926.32(f).
8. Do not remove the labeling from this product.
9. Additional requirements and limitations may apply depending on anchorage type and fastening option utilized for installation. All placements must be approved by an engineer or other qualified person.
10. This anchorage connector should not be used as part of a horizontal lifeline system.
11. The anchorage connector should only be used for as intended (see PURPOSE).
12. The anchorage connector may only be connected to one fall arrest system at a time.

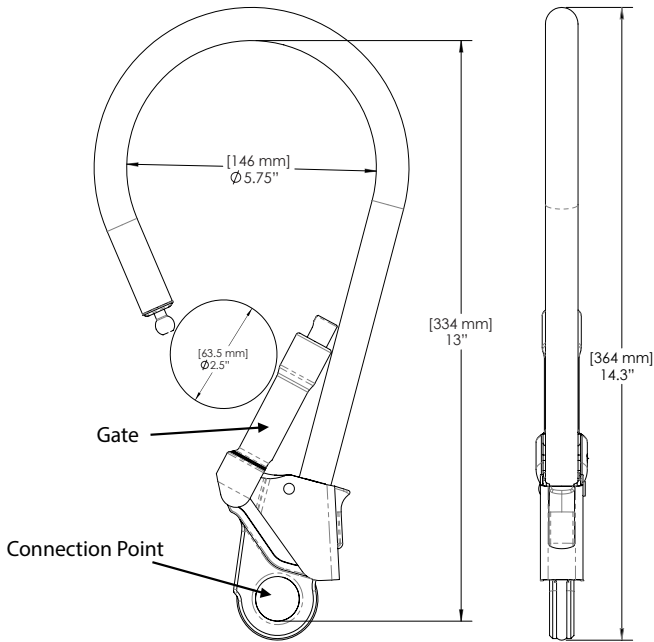
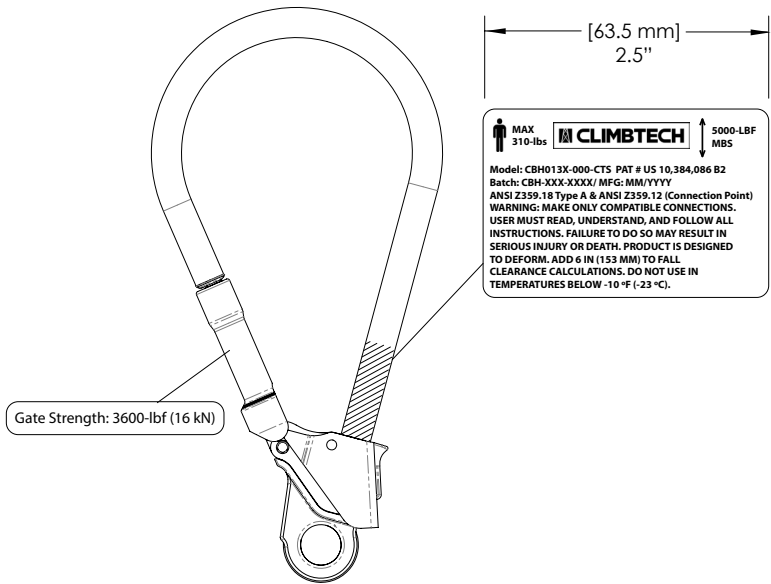
COMPATIBILITY LIMITATIONS

Anchorage connector must only be coupled to compatible connectors. 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 Z359.0-2012)**

Label Locations and Dimensions



Minimum Breaking Strength (MBS): 5,000-lbf (22 kN)

Gate Strength: 3,600-lbf (16 kN)

Transverse Strength: 3,600-lbf (16 kN)

Servicability Load: 450-lbs (204kg)

Max Capacity: 1 User, 310-lbs (140kg)

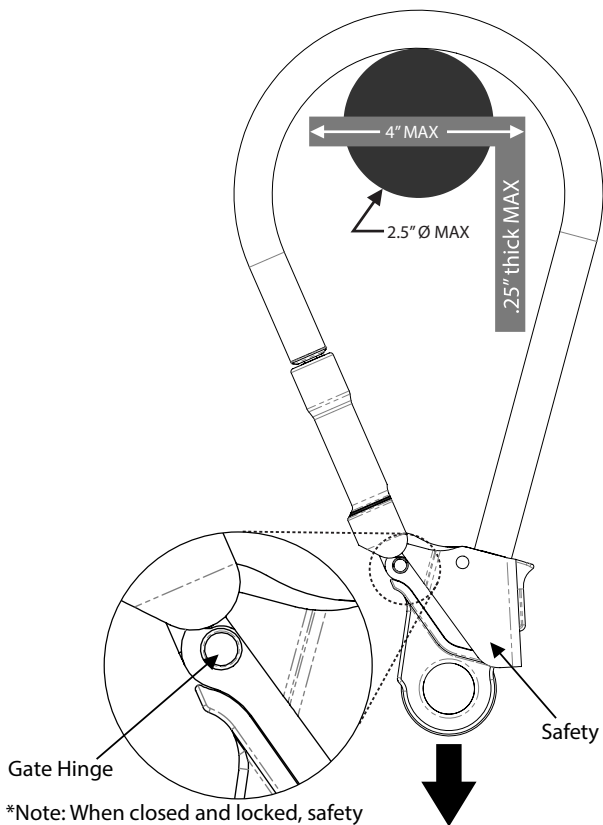
Weight: 1.5-lbs

Materials: Stainless Steel, Aluminum, Plastic

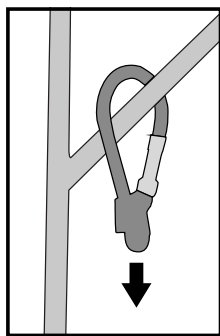
Compliance: Meets or exceeds ANSI Z359.18 Type A, ANSI Z359.12 (Connection point only), OSHA 1910.140, OSHA 1926.502

Note: Anchorage connector has been tested in accordance with ANSI Z359.7. Compliance testing applies to the anchorage connector only and does not extend to specific anchorages.

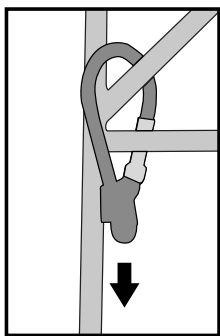
CONNECTION INSTRUCTIONS



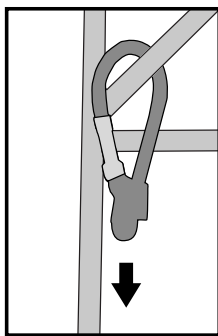
*Note: When closed and locked, safety must contact the gate hinge as shown.



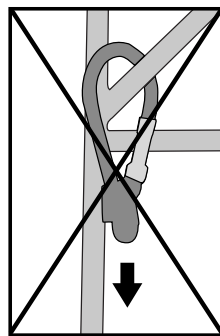
SCENARIO A



SCENARIO B



SCENARIO C

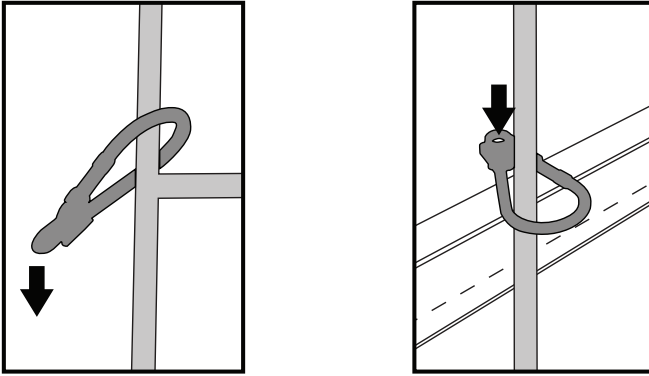


SCENARIO D

Inspect every connection. Ensure gate has closed and locked. Ensure dangerous loading conditions are not present and will not develop in the event of a fall. Subjecting the anchorage connector to any forces that are not along the major axis (transverse, over edge, cantilever, ect.) may cause deformation sufficient to inhibit normal operation, even at forces less than the specified serviceability load.

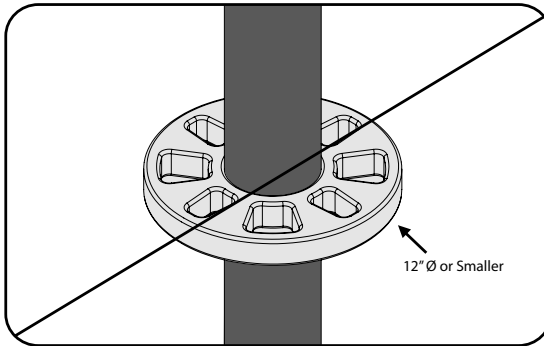
Note: Buildup of dirt and grime around moving parts may cause opening/closing action to hang up or have a gritty feel. To avoid lasting degrading effects to the action, clean and lubricate promptly according to CLEANING AND LUBRICATION INSTRUCTIONS.

TRANSVERSE LOADING

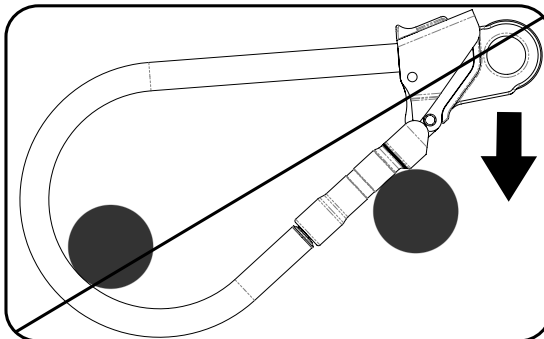


Transverse/Side loading tested using ANSI Z359.12 fixturing in static and dynamic load conditions. Dynamic Testing performed according to ANSI Z359.18 Type A requirements.
Minimum Static Breaking Strength: 3600-lbf.

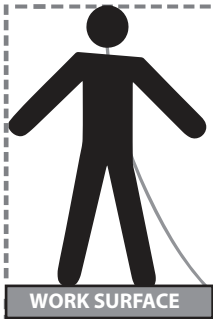
DANGEROUS LOADING CONDITIONS



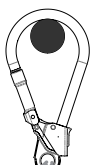
Warning: This anchorage connector is designed to deform under fall arresting forces. Do not make connections that may allow the anchorage connector to disengage the anchorage when deformed. This includes but is not limited to scaffolding rosettes smaller than 12" in diameter.



Warning: Connections that allow fall arresting forces to act in the opening direction of the gate are not permitted.



*The user shall be equipped with a means of limiting the maximum dynamic forces exerted on the user during the arrest of a fall to a maximum of 8 kN (1800-lbf).



(ANCHOR POINT)

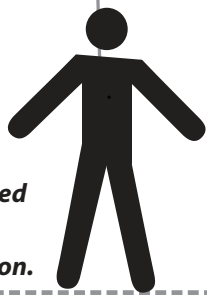
WORK SURFACE

*In absence of certification, the anchorage and any supporting structure must be able to withstand 5000-lbf applied at the connection point in the direction of loading. Anchorage must be installed under supervision of a qualified person.



WORK SURFACE

****All products subjected to fall arresting forces should be removed from service immediately!***



Note: An additional 6" (153 mm) must be added to the product length during fall clearance calculations in order to account for deformation.

MINIMUM CLEARANCE 3ft (1m)

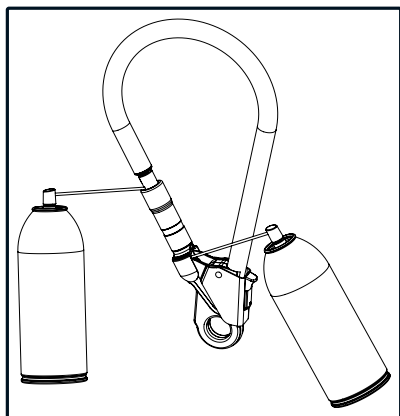
DECK/FLOOR/GROUND LEVEL

WARNING!!! SWING FALLS MAY OCCUR WHEN THE WORKER IS NOT DIRECTLY UNDER ANCHOR POINT.

MAINTENANCE, CLEANING AND STORAGE

Cleaning periodically 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 with compressed air and/or a stiff brush using plain water or a mild soap and water solution. Surface contamination that may accelerate wear or abrasion of the anchorage connector or attached components. Do not use any corrosive chemicals that could damage the product. Wipe all surfaces with a clean, dry cloth and hang to dry, or use compressed air. When not in use, store anchorage connectors in a cool, dry, clean environment, out of direct sunlight and free of corrosive or other degrading elements.

CLEANING AND LUBRICATION INSTRUCTIONS



1. With safety depressed and gate in unlocked position, use compressed air to expel dirt from gate. Pay particular attention to locations shown.
2. Repeat step 1 using a PTFE based Dry Lubricant with no harsh chemicals (DuPont Teflon Non-stick Dry-Film Lubricant Model DNS616601 or equivalent).
3. Repeat steps 1 and 2 as necessary, then dry with compressed air and remove excess lubricant with a dry cloth.

Inspection:

Official periodic inspection must be made at least semi-annually. The inspection must be performed by a qualified person other than the intended user. If severe conditions exist, inspections must be carried out more frequently. All inspection results must be logged in INSPECTION AND MAINTENANCE LOG. Inspection criteria shall be managed by the program administrator. At a minimum, requirements must include items below in addition to requirements of applicable standards.

1. Gate and Safety should close and lock automatically when released.
2. Markings must appear legibly as shown in user instructions.
3. Inspect for cracks, sharp edges, corrosion, alternations, and lubrication.
4. Inspect for excessive wear, soiling, aging, or elongation/deformation.
5. Inspect for any additional conditions that may render the product unsuitable for use as an anchorage connector.
6. Record inspection results in INSPECTION AND MAINTENANCE LOG.

WARNING: If any damage that could affect the strength or operation of the device, or unsafe conditions are found, proper disposal is required. The anchorage connector must be rendered unusable and then properly discarded.

INSPECTION AND MAINTENANCE LOG

MODEL NUMBER: _____

DATE OF MANUFACTURE: _____

Date	Part Number	Comments	Inspector Name

Product Warranty, Limited Remedy and Limitation of Liability

WARRANTY: THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Equipment offered by ClimbTech is warranted against factory defects in workmanship and materials for a period of one year from date of purchase or first use by the original owner.

LIMITED REMEDY: Upon notice in writing, ClimbTech will repair or replace all defective items at ClimbTech's sole discretion. ClimbTech reserves the right to require that the defective item be returned to its plant for inspection before determining the appropriate course of action. Warranty does not cover equipment damage resulting from wear, abuse, damage in transit, failure to maintain the product or other damage beyond the control of ClimbTech. ClimbTech shall be the sole judge of product condition and warranty options. This warranty applies only to original purchaser and is the only warranty applicable to this product. Please contact ClimbTech technical service department for assistance.

LIMITATION OF LIABILITY: IN NO EVENT WILL CLIMBTECH BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO LOSS OF PROFITS, IN ANY WAY RELATED TO THE PRODUCTS REGARDLESS OF THE LEGAL THEORY ASSERTED.

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