



ANCHOR TABS NORTHWEST

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ANCHOR TAB - VF

U.S. Patent No: 9,353,535

User Instructions (revised 06/2021)

Read This Instruction Manual Carefully Before Using This Equipment.

User Instructions must always be available to the user and are not to be removed except by the user of this equipment.
For proper use, see supervisor, User Instructions, or contact the manufacturer.

National standards, and state, provincial and federal laws, require the installer/user of this product to be trained before installation and/or use. Use this manual as part of an installer/user safety training program. These instructions must be provided to the installer/user before installation or use and must be retained for ready reference by the installer/user. The purchaser and installer/user must read, understand (or have explained to him/her), and heed all labels, markings and warnings supplied with this product and all products to be used in conjunction with 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 per OSHA 29 CFR 1910.66 and 1926.503 or applicable local standards. Compliant fall protection and emergency rescue systems help prevent serious injury during fall arrest. ***Misuse or failure to follow warnings and instructions may result in serious personal injury or death.***

PURPOSE

ANCHOR TAB-VF 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 an “anchorage connector” in this manual include, and apply to ANCHOR TAB-VF.

USE INSTRUCTIONS

1. 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 OSHA 29 CFR 1910.66 in the safe use of the system and its components.
3. Use only with ANSI/OSHA compliant personal fall arrest or restraint systems. Anchorage must have strength capable of supporting a static load, applied in directions permitted by the system, of at least 5,000-lbf (22kN) in the absence of certification.
4. 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 8kN (1800-lbf).
5. Use of this product must be approved by an engineer or other qualified person to be compatible with any and all structural and 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, or other deterioration. If defective components are found the anchorage connector must be immediately removed from service in accordance with the requirements of OSHA 29 CFR 1910.66 and 1926.502.
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.
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.

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 single user, with a capacity 130-420 lbs (59-191kg) including clothing, tools, etc.
2. The anchorage connector can be loaded in any direction.
3. The anchorage connector must only be used with compatible devices.
4. The anchorage connector can be used in overhead or horizontal locations.
5. The anchorage connector is designed to be used in interior building areas.
6. The anchorage connector can be used as part of a horizontal lifeline system that has been designed and or approved to be used with 5,000-lbf anchorage connectors.
7. The anchorage connector can be used for personal fall protection or for lifting equipment with engineer’s approval, but not to exceed 3600-lbf.
8. Do not alter or modify this product in anyway.
9. Do not remove the labeling from this product.
10. Do not use/install equipment without proper training by a “competent person” as defined by OSHA 29 CFR 1926.32(f).
11. Caution to 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: contact may cause equipment failure, personal injury or death.
12. Additional requirements and limitations may apply depending on anchorage type and fastening option utilized for installation.
13. All placements must be approved by an engineer or other qualified person.

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: must be a locking type snaphook and 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, as they can result in rollout* when a non-locking 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 Z359.1-2007)

INSTALLATION DETAILS

ANCHOR TAB-VF can be installed in a Vertical or Horizontal configuration.

For Vertical Overhead Use:

1. Cut or peel the foam gasket out of the center opening and verify ANCHOR TAB pulls out freely.
2. Place ANCHOR TAB-VF assembly on the deck as close as possible but no further than 4" from an existing building reinforcing bottom bar or PT cable. Nail the ANCHOR TAB-VF Box and Anchor to the deck with 6d (8d) Duplex nails. Drive nails until top head is flush with nail boss.
3. Slide a 24" 60 Grade #4 bar through the elongated hole and center it on the box. SEE – FIG. 1 and FIG. 2
WARNING: The ANCHOR TAB-VF reinforcing/support bar must cross at least one PT cable or permanent bottom building reinforcing bar having at least 3/4" concrete cover.
4. Install 3" rebar bolster chairs, one (1) at each end of the reinforcing bar for support of the device and reinforcing bar during concrete placement. The support bar can be wired to other reinforcing if so desired and if available.

WARNING NOTES:

5. A minimum of 4000 psi concrete is required and up to 6000 psi concrete must have a required 24" long reinforcing bar installed.
6. For concrete of 6000 psi or greater, or for installation in columns/walls a short 6" reinforcing pin is substituted, centered on the ANCHOR TAB-VF Box and held in place by two (2) rubber O-Rings.

NOTE: Specify Concrete Strength when ordering.

For Horizontal Use:

1. Do not remove foam gasket.
2. Install a sacrificial horizontal reinforcing bar approximately 4" from another permanent horizontal reinforcing bar.
3. Make sure the provided 6" #4 60 grade bar/pin is centered and re-secured if required.
4. Install ANCHOR TAB-VF and tie-wire it to the two horizontals using the 3/4" nail boss spacers, making sure the ANCHOR TAB-VF pin reinforcing is located behind permanent building element reinforcing. ANCHOR TAB-VF 6" support bar must cross at least one vertical reinforcing bar. SEE – FIG. 3
5. Additional wires must be added to the ANCHOR TAB-VF reinforcing pin and attached to an upper located reinforcing bar to keep it from being displaced by concrete placement operations.
6. A minimum of 4000 psi concrete strength is required.
7. After forms are removed, locate box and remove the foam gasket and pull out the Anchor.

CARE, MAINTENANCE AND STORAGE

1. ANCHOR TAB requires no regular maintenance.
2. ANCHOR TAB product that appears deteriorated or damaged prior to installation must not be used. Return uninstalled or un-used ANCHOR TAB to ATNW for replacement.
3. ANCHOR TAB must be stored in a dry place away from moisture, oils and corrosive chemicals and their vapors.

INSPECTION

1. Inspect ANCHOR TAB prior to installation and use.
2. Check ANCHOR TAB for cracks, bends or deformation.
3. Check ANCHOR TAB for red rust or corrosion.
4. Prior to concrete placement, check to be sure ancillary reinforcing bar is in proper position.

CAUTION: CONCRETE PLACEMENT ADVISORY

ANCHOR TAB-VF is designed to be trouble free and easy to use. Due to the nature of the self-stripping nail boss attachment points, concrete impacting the box may dislodge the box, causing it to unseat from the deck. This may allow concrete to flow under the box and into the Anchor void cavity. Care should be used while placing operations are ongoing. It is highly recommended that some concrete be placed around the Assembly prior to completing concrete placement over the Assembly.

This can be avoided by using 8d Duplex nails in lieu of the 6d Duplex nails, but the 8d nails may not self-strip during form removal.

**ANCHOR TAB-VF CAST-IN CONCRETE GROUND CONNECT ANCHOR
INSTALLATION GUIDELINES**

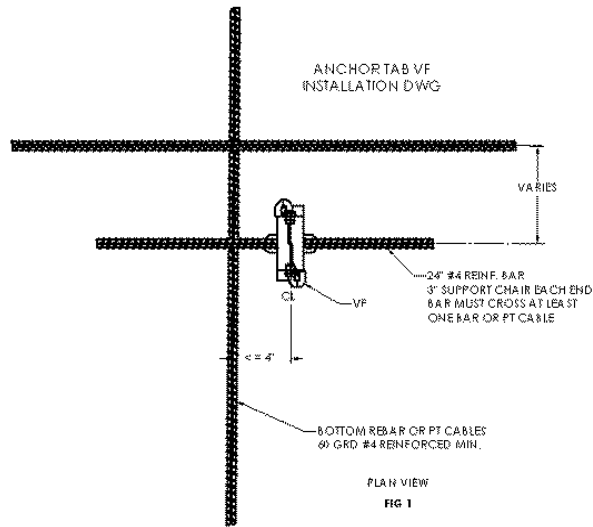


FIGURE 1

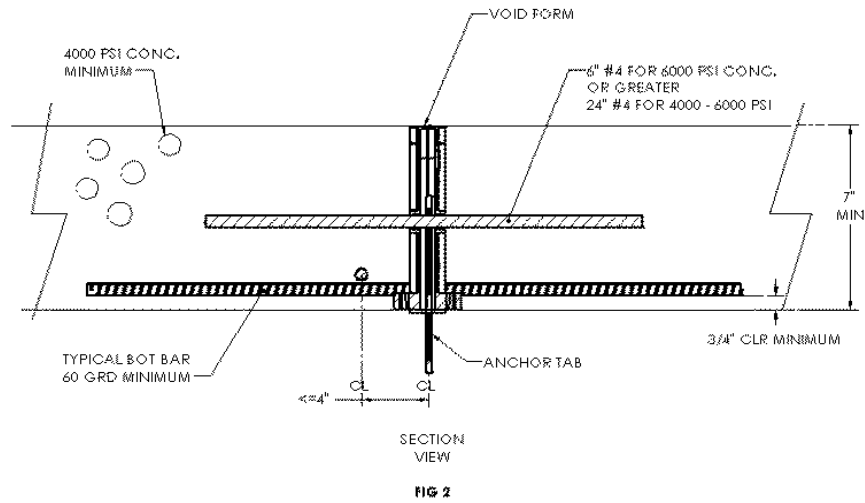


FIGURE 2

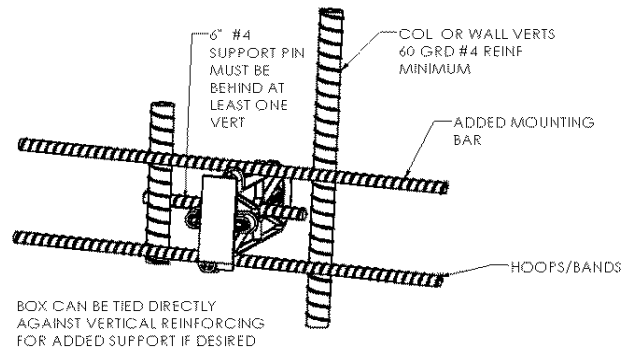


FIG 3

FIGURE 3

WARRANTY

EXPRESS WARRANTY: ANCHOR TABS NORTHWEST (ATNW) warrants that the product furnished is free from mechanical defects or faulty workmanship for a one (1) year period from first use or eighteen (18) months from date of shipment, whichever occurs first, provided it is maintained and used in accordance with ATNW/BFI recommendations. ATNW shall be released from all obligations under this warranty in the event any repairs or modifications are made to the product or if warranty claim arises due to misuse. ATNW makes no warranty related to products or accessories not manufactured by ATNW and used in conjunction with ANCHOR TAB.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS IMPLIED OR STATUTORY AND STRICTLY LIMITED TO THE TERMS HEREOF. ATNW SPECIFICALLY DISCLAIMS ANY WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

WARNING

Any ANCHOR TAB that shows any sign of wear or deterioration must be removed from service by cutting off the connection from the body of the ANCHOR TAB. Any ANCHOR TAB exposed to the forces of an arresting fall may be removed from service by cutting off the connection from the body of the ANCHOR TAB, or ANCHOR TAB may be inspected, tested, and recertified for use by a qualified test lab. ANCHOR TAB is intended for use only by construction site personnel during construction and/or maintenance personnel during or after construction. DO NOT use ANCHOR TAB for material handling.

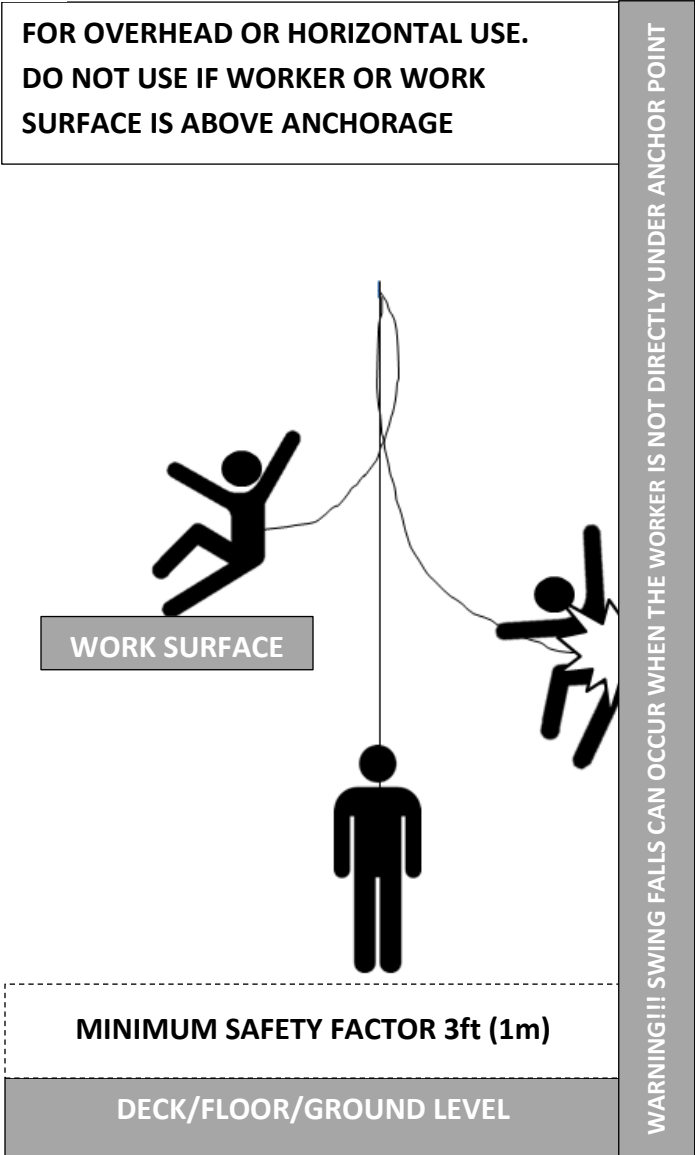
The user shall be equipped with a means of limiting the maximum dynamic forces exerted of on the user during the arrest of a fall to a maximum of 8 kN (1800-lbf).

The structure the receptacle is attached to must be able to support 5,000-lbf (22 kN) and installed under the supervision of a qualified person.

PERFORMANCE:
 Static Tensile Strength: 5,000-lbf (22 kN)
 Maximum Capacity: one worker with weight of 130-420 (59-191 kg) when used as a single point anchorage connector for personal fall arrest or restraint system.

REGULATORY COMPLIANCE:
 ANSI Z359.1-07, ANSI A10.32-12, OSHA 1926 Subpart M, and OSHA 1910

COMPONENT MATERIALS: Made in USA
 Steel: 4140
 Zinc Chromate Plated Steel
 Plastic: Recycled



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