



SAFEWAZE

ANSI	Z359.18-2017 (Type T), Z359.4-2013, Z117.1-2022
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OSHA	1910.140, 1926.502
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10' Tech Tripod Manual



022-11029	10' Tech Tripod Basic
022-11033	10' Tech Tripod Complete
022-11034	10' Tech Tripod Kit: 65' Personnel Winch, 65' 3-Way
022-11035	10' Tech Tripod Kit: 65' Material Winch, 65' 3-Way
022-11036	10' Tech Tripod Kit: 65' 3-Way
022-11037	10' Tech Tripod Kit: 65' Material Winch

This manual is intended to meet the manufacturer's instructions as required by ANSI and should be used as part of an employee training program as required by OSHA.

**Read and understand instructions before using equipment!
Do not throw away instructions!**

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User Information	
Date of First Use:	_____
Serial Number:	_____
Trainer:	_____
User:	_____



IMPORTANT: Record initial usage of product on the Table of Contents page. Competent Person inspections are required to be documented in the Inspection Log Table.

**Always verify the latest revision of the Safewaze Manual is being utilized.
Visit the Safewaze website, or contact Customer Service, for updated manuals.**

Safety Information and Precautions:

User must read, understand, and follow all safety and usage information contained within this manual prior to use of this equipment. Failure to follow all safety and usage information can result in serious injury or death.



Every user must be trained in the inspection, installation, operation, and proper use of their Fall Protection, Confined Space, and Rescue Equipment. Unapproved or inappropriate use of this equipment could result in serious injury or death. Refer to these instructions for the proper selection, installation, maintenance, and service of this equipment. For questions regarding use of this equipment beyond the scope of this manual, contact Safewaze.

The warnings indicated below are designed to minimize risk associated with the use of the 10' Tech Tripod and associated equipment. Failure to heed these warnings, and/or improper use of this equipment may result in serious injury or death.

- Inspect this equipment prior to each use and at least annually by a Competent Person other than the user.
- If inspection reveals an unsafe or defective condition, the equipment must be removed from service and repaired or replaced as specified in this manual.
- If this equipment is exposed to fall arrest or impact forces, it must be immediately removed from service and tagged "Unusable."
- Never allow slack to form in a lifeline constituent.
- Never tie knots for load bearing end terminations.
- Utilize extra caution to keep lifeline free from any obstructions including but not limited to surrounding objects, tools, equipment, moving machinery, co-workers, yourself, or possible impact from overhead objects.
- Do not use this equipment in an environment where the intended rescue/descent path is obstructed by machinery, equipment, or other potential hazards. User or rescuer must ensure that the descent path is clear and will not allow contact with an object that could cause or exacerbate injury.
- Follow all recommendations in this manual regarding installation and use of this equipment.
- Ensure all feet of tripod are securely anchored to resist side-ways, spreading, and uplift forces.
- Proper edge protection must be used if a lifeline constituent will be exposed to sharp or abrasive edges.
- If the PFAS is made up of components from different manufacturers, ensure that all components of the PFAS are compatible with each other and meet all applicable standards, regulations, or requirements. A Competent or Qualified Person should always review and approve the PFAS system prior to worker use.
- Always account for the direction and strength of forces on the tripod when installing.
- Improper exposure of forces on the tripod may allow the system to topple over.
- Ensure that proper fall protection safety measures are adhered to during rescue operations per the jobsite rescue plan.
- Never attach any user equipment to the tripod until fully assembled, anchored, and adjusted for the specific application.
- Never attempt to adjust location, height, or stance of the tripod while in use.
- Never exceed the maximum allowed number of users on the system.
- Never exceed the maximum allowed capacity of the system.
- Consult your doctor if there is reason to doubt your fitness to safely absorb the shock from a fall arrest. Age and fitness seriously affect a worker's ability to withstand falls. Pregnant women or minors must not use Safewaze equipment.



Users should enact the precautionary measures listed below to reduce the inherent risks of working at height:

- For questions regarding service/repair of components, contact Safewaze.
- A Rescue Plan must be in place in the event of a fall. All employees should be trained and knowledgeable in the Rescue Plan and Rescue Operations.
- Equipment must never be altered or modified. Only Safewaze, or entities authorized in writing by Safewaze, may make repairs to Safewaze fall protection equipment.
- User(s) of Safewaze fall protection equipment must ensure that their health and physical condition allows them to withstand the potential forces and risks associated with working at heights.
- Use of a body belt is not authorized for fall arrest applications.
- Always wear required personal protective equipment when installing, using, or inspecting this equipment.
- If conducting training operations with this equipment, ensure that a secondary fall protection system is installed and utilized in a manner that does not expose the trainee to unintended fall hazards.
- Immediately seek medical attention in the event a worker suffers a fall arrest incident.
- Work directly under the anchor point as much as possible to minimize swing fall hazards.
- Certain subsystems may interfere with the proper operation of the equipment in this manual. Use only compatible connections. Contact Safewaze for questions regarding compatibility of equipment or components not covered in this manual.
- Avoid objects, equipment, or surfaces that could harm the user or equipment.
- User must ensure that there is adequate fall clearance when working at height.
- If work is conducted in a high heat environment, ensure that Arc Flash or other suitable fall protection equipment is utilized.

1.0 INTRODUCTION

Thank you for purchasing the Safewaze 10' Tech Tripod. This manual must be read and understood in its entirety and used as part of an employee training program as required by OSHA or any applicable state agency. This manual and any other instructional material must be made available to the user of the equipment. Users must be trained in operation of the 10' Tech Tripod and all related confined space, fall arrest, or rescue equipment intended for connection to the tripod.

The Safewaze 10' Tech Tripod is designed to be used as an adjustable anchorage point for fall protection, fall restraint, rescue, and material hauling. The 10' Tech Tripod is suitable for most transition applications. These include Construction, Transportation, General Industry, Oil, Utilities, Trench, Mining, Cliff, and Rescue. The 10' Tech Tripod can be rigged as a standard tripod or configured for advanced applications. Each leg of the 10' Tech Tripod can be adjusted in both length and installation angle. Leg length is adjusted telescopically, while installation angle is achieved by adjusting the installation hole pattern at the Head Unit of the tripod.

The 10' Tech Tripod is meant for use by a single user with a maximum weight of ANSI 130-310 lbs. and OSHA up to 420 lbs. The Tech Tripod can also accommodate 2 users at 310 lbs. each in an emergency rescue scenario. The purpose of the 10' Tech Tripod is to safely provide access and egress in confined spaces and may be installed in multiple configurations to provide Fall Protection, Personnel Lifting Capability, and Material Handling capability of up to 620 lbs.

2.0 INTENDED USE

The equipment covered in this manual is intended for use as part of a complete Personal Fall Protection, Rescue, and Material Handling System. Use of this equipment for any other purpose including, but not limited to, sports or recreational activities, non-approved material handling applications, or other action not described in these User Instructions is not approved by Safewaze. Use of this equipment in a manner outside the scope of those covered within this manual can result in serious injury or death. The equipment covered in this manual must only be used by trained personnel in workplace applications.

3.0 APPLICABLE SAFETY STANDARDS

When used according to instructions, this equipment meets ANSI Z359.18-2017 (Type T), ANSI Z359.4-2013, ANSI Z117.1-2022 and OSHA 1910.140, 1926.502. Applicable standards and regulations depend on the type of work being done, and may include state-specific regulations. Refer to local, state, and federal (OSHA) requirements for additional information concerning the governing of occupational safety regarding Personal Fall Arrest Systems (PFAS) rescue operations.

4.0 SPECIFICATIONS

System Specifications:

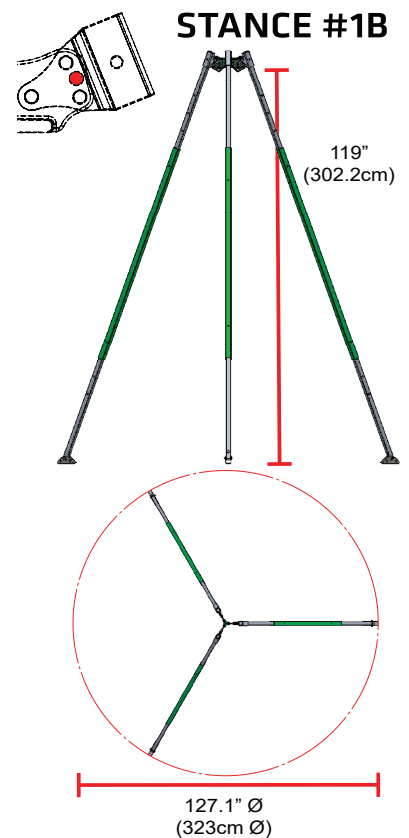
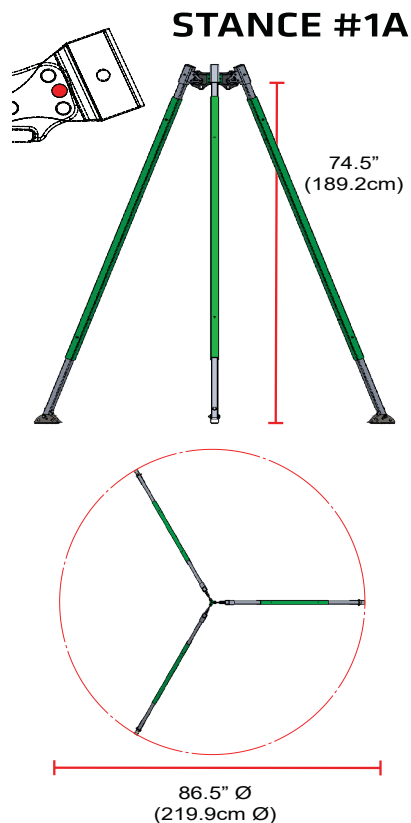
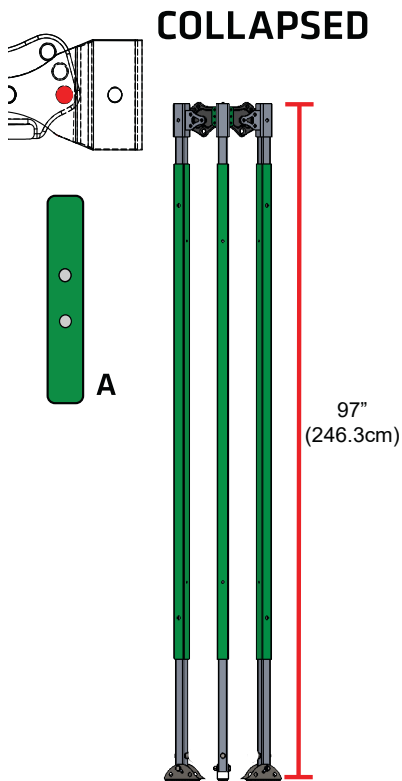
Capacity:	<ul style="list-style-type: none"> Maximum Weight Capacity: <ul style="list-style-type: none"> ANSI 130 to 310 lbs. (59-141 kg)* OSHA 420 lbs. (190 kg)* * Including any tools, clothing, accessories, etc. System Capacity: Maximum of 620 lbs. (281 kg) Material Lifting: Maximum of 620 lbs. (281 kg) Captive Eye: 5,000 lbs. Minimum Breaking Strength (MBS) 6 Anchor Points (Head Unit): 5,000 lbs. MBS
Dimensions:	<ul style="list-style-type: none"> Collapsed: <ul style="list-style-type: none"> Length- 97 in. (246.4 cm) Width- 12 in. (30.5 cm) Working Heights (measurements are from working surface to captive eye): <ul style="list-style-type: none"> Stance #1A- 74.5 in. (189.2 cm) - Minimum working height Stance #1B- 119 in. (302.3 cm) - Maximum working height Stance #2A- 53.5 in. (135.9 cm) - Minimum working height Stance #2B- 84 in. (213.4 cm) - Maximum working height Over Edge- Dependent on work zone. To be determined by Competent Person.
Working Temperature:	-30°F (-34°C) to 130°F (54°C)
Free Fall:	Limited to 6 ft. (1.8 m)

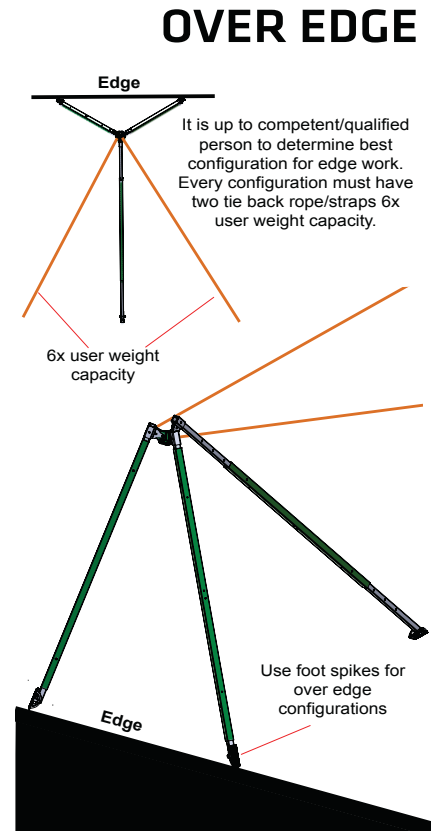
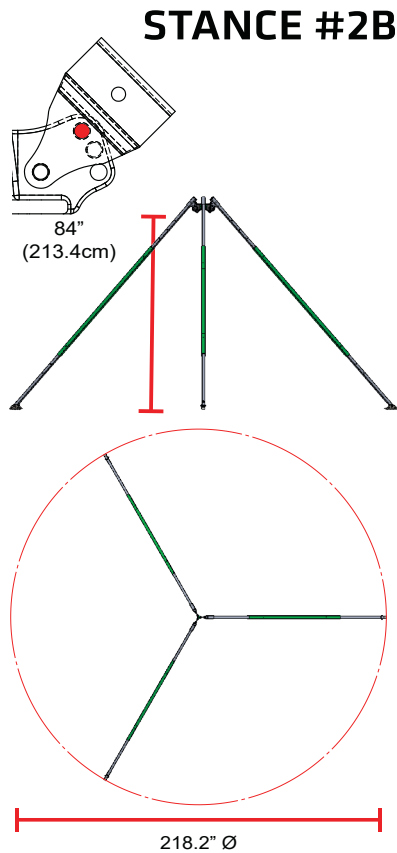
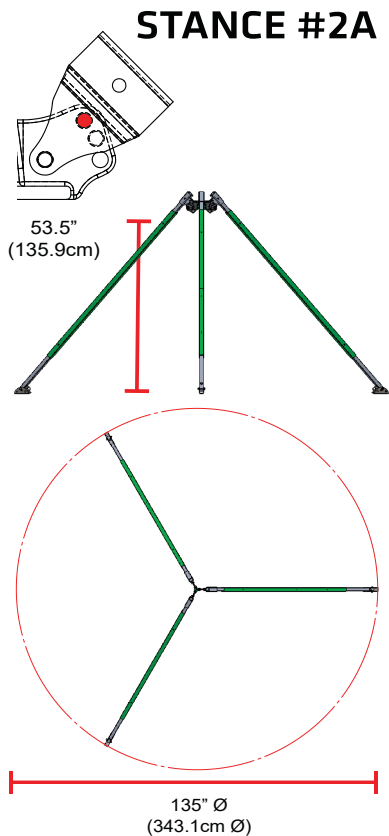
Component Specifications:

Part Number	Description	Materials
N/A	10' Tech Tripod	Aluminum
N/A	Head Unit	Aluminum
N/A	Captive Eye	Stainless Steel
N/A	Tripod Feet	Powder Coated Steel Feet, Rubber Foot Pads

Part Number	Description	Materials
N/A	Fasteners	Zinc Plated Steel
N/A	Detent Pins	Nylon, Stainless Steel
019-11005/019-11015	3-Way System/Universal Mount (65' or 120')	Aluminum Housing, Plated Steel/Stainless Steel Components, Galvanized Steel Cable, Plastic Handle
019-11007/019-11008	Personnel Winch (65' or 120')	Powder Coated Steel Device, Plated Steel Components, Galvanized Steel Cable, Rubber Handles, Plastic Cover
019-11009	Material Winch (65')	Powder Coated Steel Device, Plated Steel Components, Galvanized Steel Cable, Plastic Handle
022-11031	Perimeter Warning Line	Polyester Webbing, Zinc Plated Steel Adjuster, Nylon Brackets
022-11030	Tripod Step	Powder Coated Steel Step, Nylon and Stainless Steel Detent Pin
020-11025	Aluminum Tripod Pulley	Aluminum
FS1015	Carabiner	YCM Steel
022-11032	Tripod Bag	Water Repellent Tarpaulin, Polyester Fabric, Webbing, Nylon Wheels and Adjusters
019-11010	Universal Tripod Bracket	Galvanized Steel
019-11017	Tripod Replacement Chain	Zinc Plated Steel

Dimension Diagrams:





5.0 WORKER CLASSIFICATIONS

Understand the definitions of those who work in proximity of, or may be exposed to, fall hazards or rescues.

Qualified Engineer: "Qualified Engineer" means a person with a bachelor of science degree in engineering from an accredited college or university. They are able to assume personal responsibility for the development and application of engineering science and knowledge in the design, construction, use, and maintenance of their projects.

Qualified Person: "Qualified Person" means one who, by possession of a recognized degree, certificate, or professional standing, or who by extensive knowledge, training, and experience, has successfully demonstrated their ability to solve or resolve problems relating to the subject matter, the work, or the project.

Competent Person: "Competent Person" means one who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.

Authorized Person: "Authorized Person" means a person approved or assigned by the employer to perform a specific type of duty or duties, or to be at a specific location or locations, at the jobsite.

It is the responsibility of a Qualified or Competent person to supervise the jobsite and ensure safety regulations are complied with.

6.0 TRAINING

Users must be trained in the installation, operation, use, intended applications, and inspection of the 10' Tech Tripod and all related confined space, fall arrest, or rescue equipment intended for connection to the tripod. It is the responsibility of the users to understand the material in this manual, the limitations of the equipment, and consequences of improper usage.

7.0 SUPERVISION

A Qualified Person must supervise the installation of the 10' Tech Tripod. A Competent Person must supervise the use of the 10' Tech Tripod.

8.0 RESCUE PLAN

Prior to the use of this equipment, employers must create a rescue plan and provide the means to implement the plan through training. This plan must be communicated to/understood by all equipment users, authorized persons, and rescuers. Rescue operations may require specialized equipment beyond the scope of this manual. Every user must be trained in the inspection, installation, operation, and proper usage of their Rescue Equipment and Rescue Plan. See ANSI Z359.4-2013 for specific rescue information.



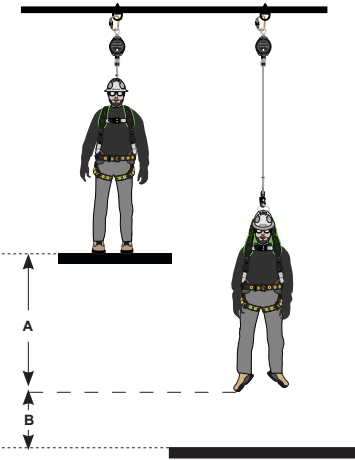
NOTE: Special rescue measures may be required for a fall over an edge.

9.0 HARNESS CONNECTIONS/FALL CLEARANCE

Use of this equipment requires an ANSI Z359.11-2021 Full Body Harness (FBH).

FIGURE 1 - MINIMUM REQUIRED FALL CLEARANCE

Minimum Required Fall Clearance	
A	Arrest Distance
B	Safety Factor
C	Sub-Total for Minimum Required Fall Clearance



Any personal fall arrest systems (PFAS) used with the 10' Tech Tripod must be compliant with current standards, codes, and requirements for each component or device. The PFAS must include a Full Body Harness and mitigate Average Arresting Force.

If an Self-Retracting Lanyard (SRL) is used with the 10' Tech Tripod, a clear fall path is required to ensure the SRL will lock in the event of a fall. Working in obstructed fall paths, cramped areas, or on moving materials like sand and grain, may not allow the user's body to gain enough speed buildup to cause the SRL to engage and lock in the event of a fall.

10.0 COMPATIBILITY OF COMPONENTS

Unless otherwise noted, Safewaze equipment is designed for, and tested with, associated Safewaze components or systems.



IMPORTANT: If substitutions or replacements are made to the system, ensure all components meet the applicable ANSI requirements. Read and follow manufacturer's instructions for all components and subsystems in your personal fall arrest system. Not following this guidance may jeopardize compatibility of equipment, and possibly affect the safety and reliability of the overall system.

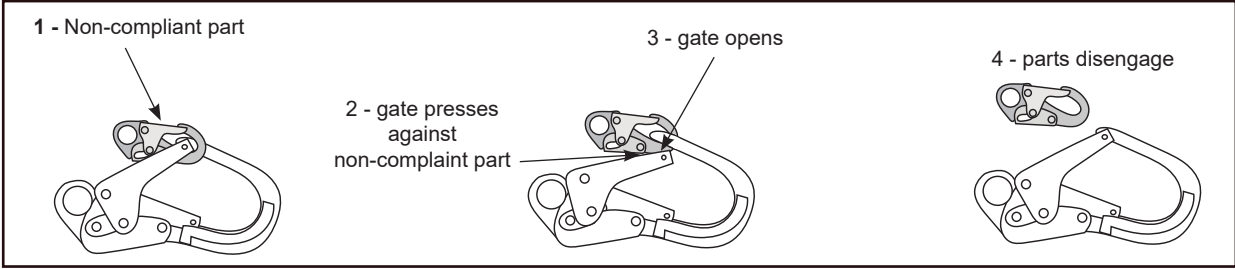
11.0 COMPATIBILITY OF CONNECTORS

Connectors are compatible with connecting elements when they have been designed to work together in such a way that their sizes and shapes do not cause their gate mechanisms to inadvertently open regardless of how they become oriented. Connectors (hooks, carabiners, and D-rings) must be capable of supporting at least 5,000 lbs. (22.2 kN). Do not use equipment that is not compatible. Non-compatible connectors may unintentionally disengage (Figure 2). Connectors must be compatible with the anchorage or other system components. Connectors must be compatible in size, shape, and strength. Self-locking snap hooks and carabiners are required by ANSI Z359 and OSHA guidelines. Contact Safewaze if you have any questions about compatibility.



NOTE: SOME SPECIALTY CONNECTORS HAVE ADDITIONAL REQUIREMENTS. CONTACT SAFEWAZE WITH QUESTIONS.

FIGURE 2 - UNINTENTIONAL DISENGAGEMENT



Using a connector that is undersized or irregular in shape (1) to connect a snap hook or carabiner could allow the connector to force open the gate of the snap hook or carabiner. When force is applied, the gate of the hook or carabiner presses against the non-compliant part (2) and forces open the gate (3). This allows the snap hook or carabiner to disengage (4) from the connection point.

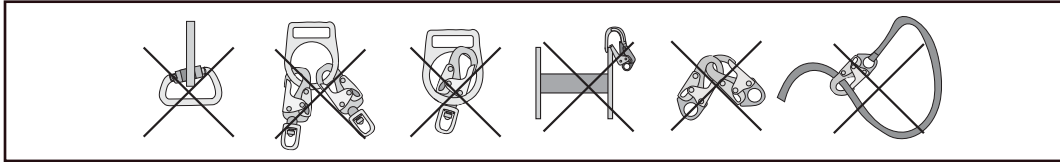
12.0 MAKING CONNECTIONS

Snap hooks and carabiners used with this equipment must be double locking and/or twist lock. Ensure all connections are compatible in size, shape, and strength. Do not use equipment that is not compatible (Figure 3). Ensure all connectors are fully closed and locked.

Safewaze connectors (hooks, carabiners, and D-rings) are designed to be used only as specified in each product's user instructions. See Figure 3 for examples of inappropriate connections. Do not connect snap hooks and carabiners:

- To a D-ring to which another connector is attached.
- In a manner that would result in a load on the gate (with the exception of tie-back hooks).
- In a false engagement, where features that protrude from the snap hook or carabiner catch on the anchor, and without visual confirmation seems to be fully engaged to the anchor point.
- To each other.
- By wrapping the lifeline around an anchor and securing to lifeline except as allowed for Tie-Back models.
- To any object which is shaped or sized in a way that the snap hook or carabiner will not close and lock, or that roll-out could occur.
- In a manner that does not allow the connector to align properly while under load.

FIGURE 3 - INAPPROPRIATE CONNECTIONS



- NOTE: Large snap hooks must not be connected to objects which will result in a load on the gate if the hook twists or rotates, unless the snap hook complies with ANSI Z359.12 and is equipped with a 3,600 lb (16 kN) gate. Check the marking on your snap hook to verify its compatibility.

13.0 APPLICATION LIMITS

Precautions should be taken in the design and installation of a PFAS in order to avoid hazards such as thermal, chemical, electrical, heat, corrosive environments, explosive gases, toxic substances, moving machinery, abrasive edges, or overhead hazards. Avoid moving machinery, sharp and/or abrasive edges, and any other hazard that could damage or degrade components of the PFAS.

A Competent Person must conduct an analysis of the workplace and anticipate where workers will be conducting their duties, the route they will take to reach their work, and any existing and potential fall hazards. The Competent Person must choose the fall protection equipment to be utilized. Selections must account for all potential hazardous workplace conditions. All fall protection equipment should be purchased in new and unused condition.



IMPORTANT: The components of a PFAS used in conjunction with the Safewaze Rescue/Descent System should meet the requirements of the ANSI Z359 Fall Protection Code.



WARNING: Contact Safewaze if you have questions regarding compatibility of this equipment. Do not alter or misuse this equipment. Some subsystem components could affect the performance and the operation of this equipment. Do not connect this product to moving machinery, or hazards that include chemical, electrical, or gaseous characteristics. Failure to comply with this warning could result in serious injury or death.

14.0 INSTALLATION AND USE (10' TECH TRIPOD/STANCE 1A AND 1B)

- Step 1:** Ensure the location chosen for installation of the tripod is sufficiently stable, level, and in an area that allows for proper installation of the tripod. Installation of the tripod must ensure the lifeline will be situated directly above the intended work location. A Competent Person must determine that the installation location is capable of supporting intended loads on the tripod. User must be aware of and avoid potential hazards. Hazards can include but are not limited to electrical, thermal, chemical, or gaseous.
- Step 2:** At the Head Unit of the tripod, remove the detent pins and adjust each leg to the #1 position of the tripod head (Figure 4). Reinstall detent pins.
- Step 3:** Remove the leg detent pins. Adjust the tripod leg length as needed (stance 1A is the shortest with no extension needed, 1B is the longest) by depressing the button locks and sliding the inner sections of the tripod legs out until buttons lock and re-engage (Figure 5). Reinstall detent pins.
- Step 4:** Prior to standing the tripod into its upright position, it is recommended to install your devices (Section 15). Stand the tripod up. If a height adjustment or installation of devices is required while in the upright position, there are optional tripod steps available to assist in accessibility.
- Step 5:** Connect the tripod legs together using the provided safety chain. Ensure all feet of tripod are secured with the chain to resist moving, splaying, or shifting from the tripod set location.

NOTE: Safety Chain MUST be installed to complete installation. Remove all slack from chain. Do not use tripod without safety chain installed.

FIGURE 4 - HEAD UNIT/LEG ANGLE ADJUSTMENT FOR 1A and 1B

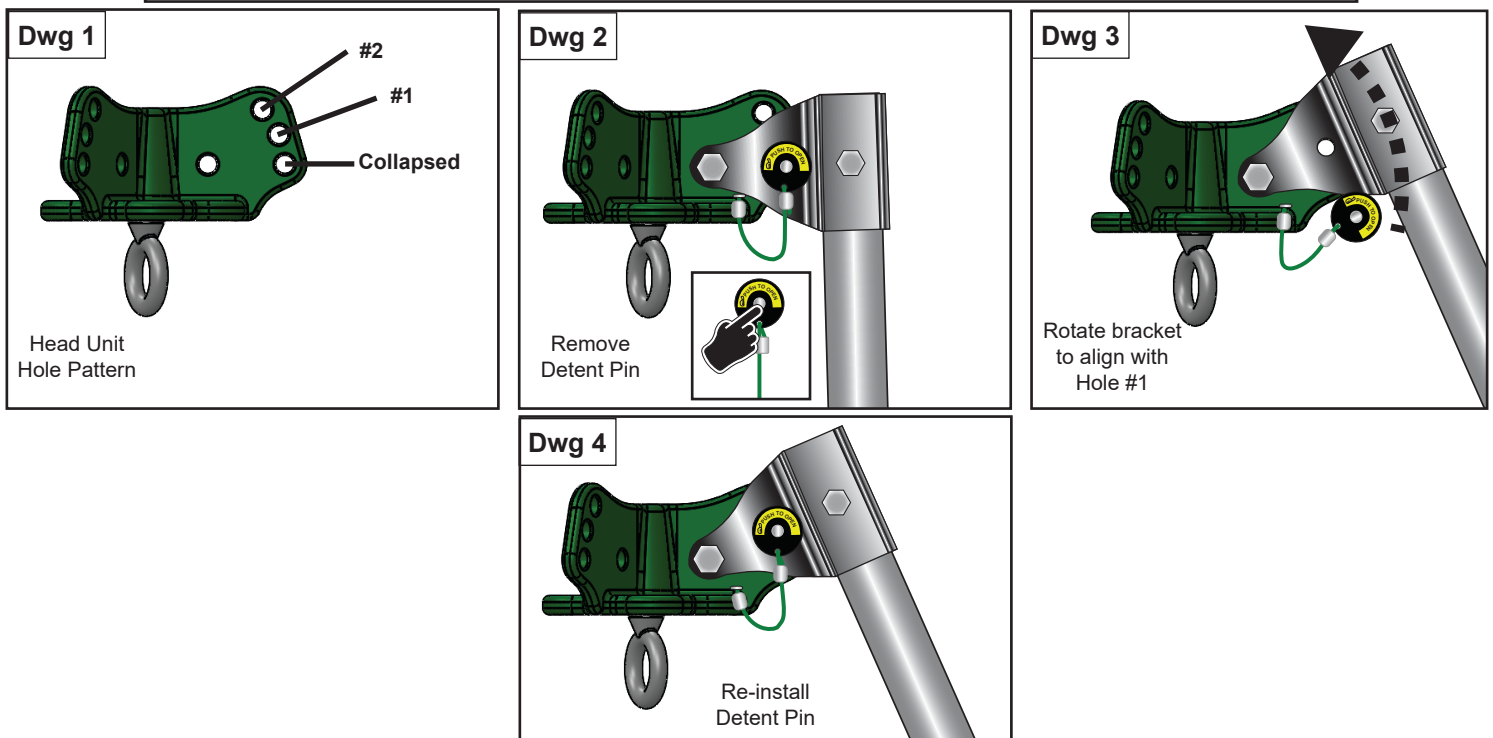
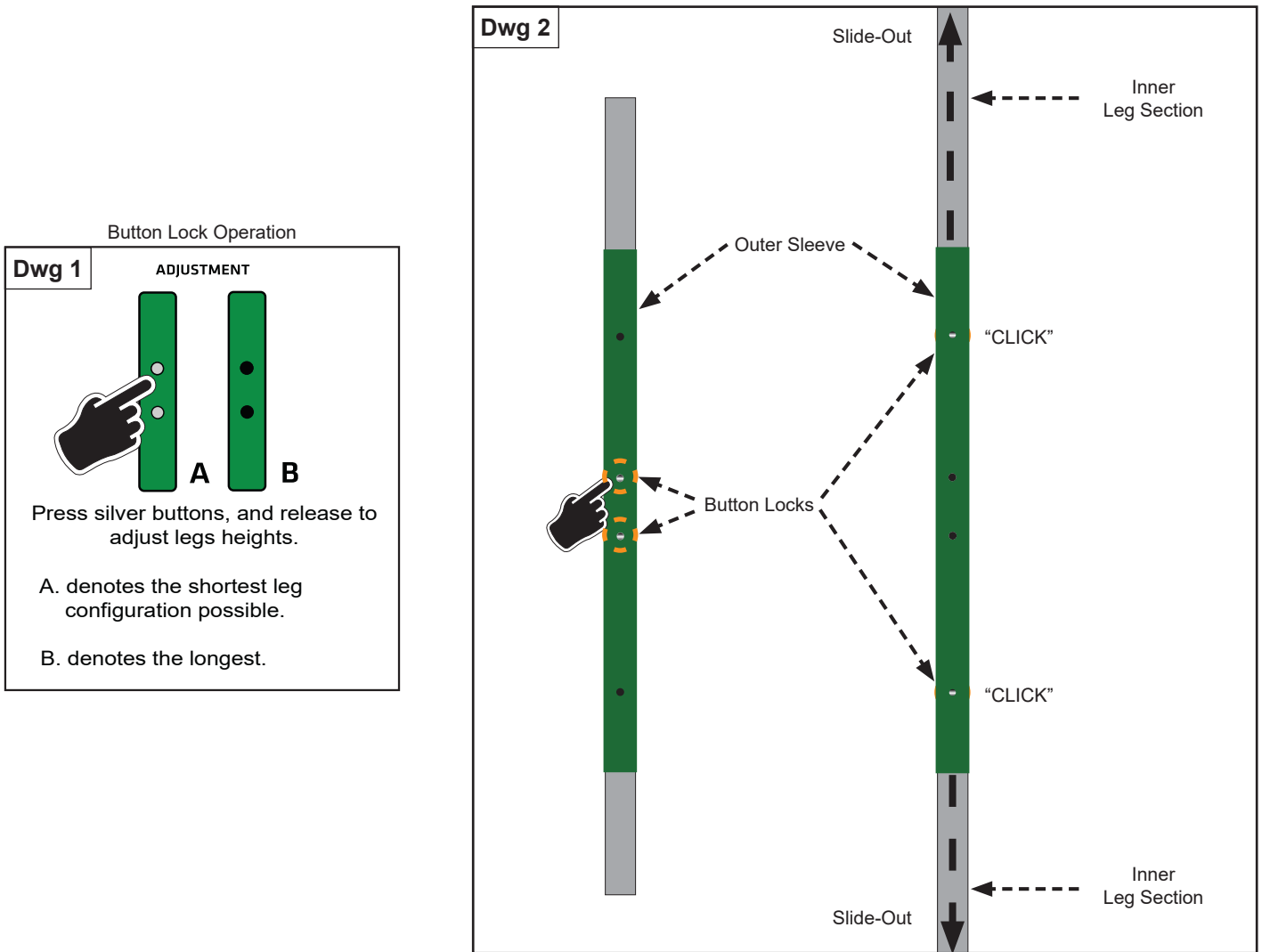


FIGURE 5 - TRIPOD LEG EXTENSION

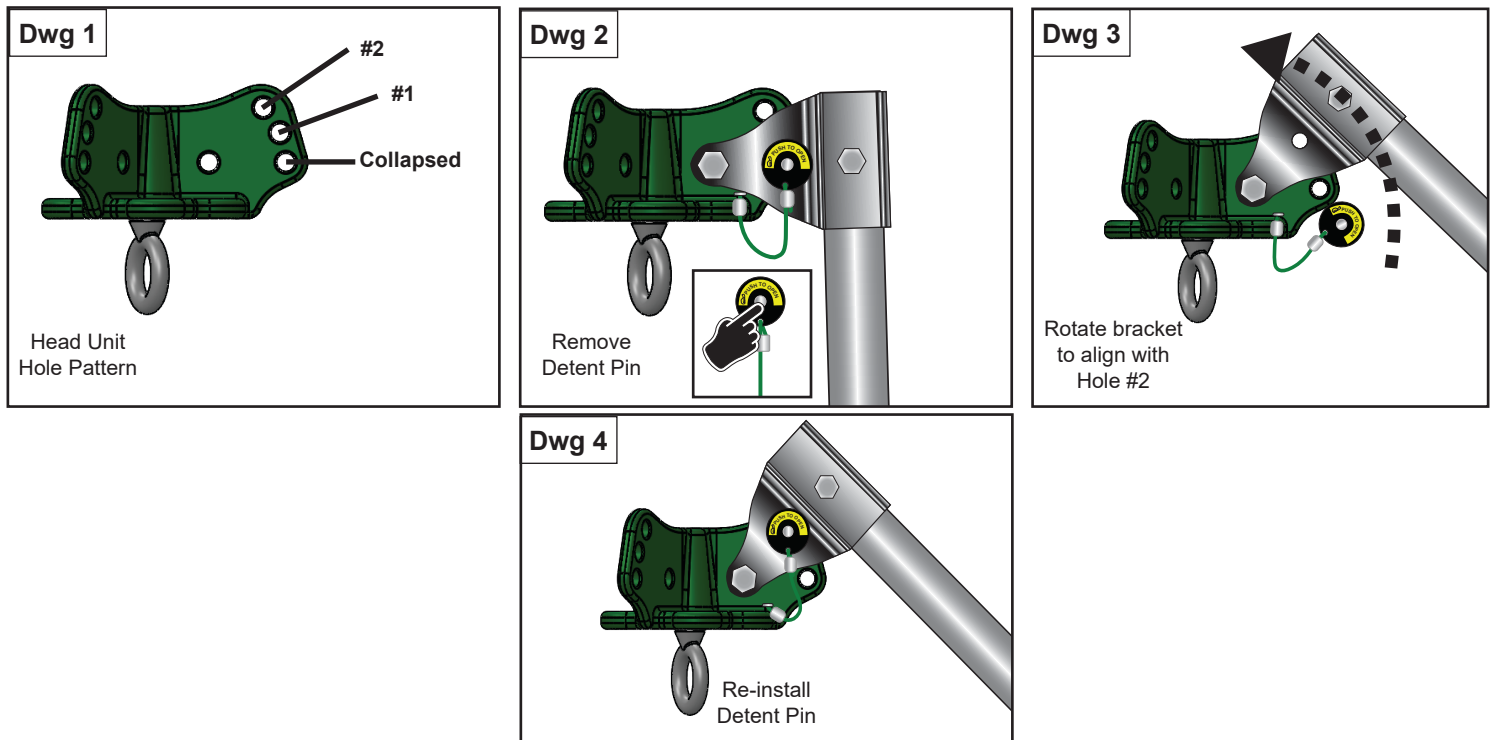


14.1 INSTALLATION AND USE (10' TECH TRIPOD/STANCE 2A AND 2B)

- Step 1:** Ensure the location chosen for installation of the tripod is sufficiently stable, level, and in an area that allows for proper installation of the tripod. Installation of the tripod must ensure the lifeline will be situated directly above the intended work location. A Competent Person must determine that the installation location is capable of supporting intended loads on the tripod. User must be aware of and avoid potential hazards. Hazards can include but are not limited to electrical, thermal, chemical, or gaseous.
- Step 2:** At the Head Unit of the tripod, remove the detent pins and adjust each leg to the #2 position of the tripod head (Figure 6). Reinstall detent pins.
- Step 3:** Remove the leg detent pins. Adjust the tripod leg length as needed (stance 2A is the shortest with no extension needed, 2B is the longest) by depressing the button locks and sliding the inner sections of the tripod legs out until buttons lock and re-engage (Figure 5). Reinstall detent pins.
- Step 4:** Prior to standing the tripod into its upright position, it is recommended to install your devices (Section 15). Stand the tripod up. If a height adjustment or installation of devices is required while in the upright position, there are optional tripod steps available to assist in accessibility.
- Step 5:** Connect the tripod legs together using the provided safety chain. Ensure all feet of tripod are secured with the chain to resist moving, splaying, or shifting from the tripod set location.

NOTE: Safety Chain MUST be installed to complete installation. Remove all slack from chain. Do not use tripod without safety chain installed.

FIGURE 6 - HEAD UNIT/LEG ANGLE ADJUSTMENT FOR 2A and 2B



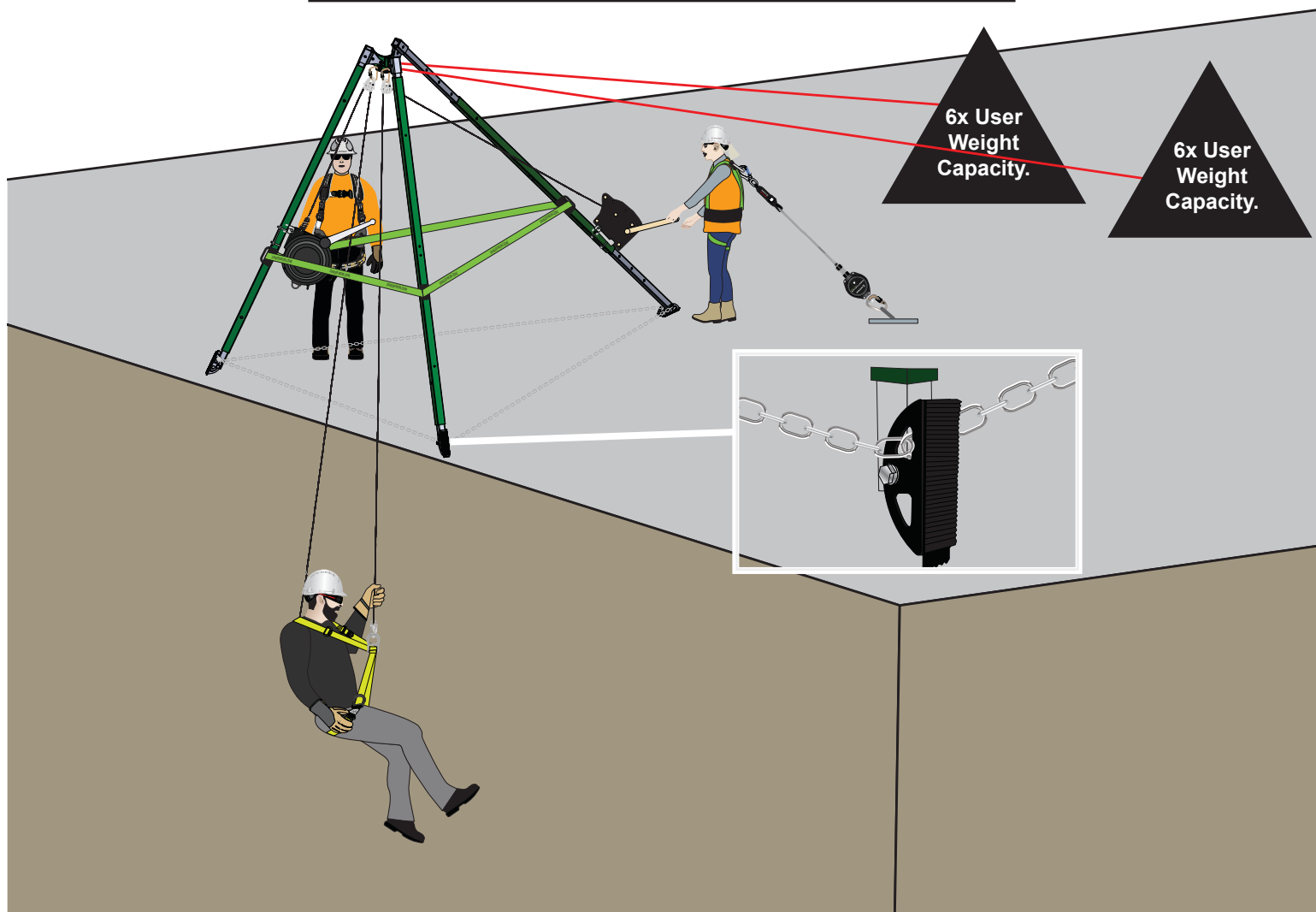
14.2 INSTALLATION AND USE (10' TECH TRIPOD - OVER EDGE)

The 10' Tech Tripod is designed for use over an edge. Over edge installations are inherently more complex than a standard tripod configuration. Users must ensure that adequate anchorage is available for tie-back of the tripod. For edge applications, there must be (2) tie-back anchor locations to secure the tripod. Each tie-back anchorage must be at least 6x the users weight capacity.

- Step 1:** Ensure the location chosen for installation of the tripod is sufficiently stable, level, and in an area that allows for proper installation of the tripod. Installation of the tripod must ensure the lifeline will be situated directly above the intended work location. A Competent Person must determine that the installation location is capable of supporting intended loads on the tripod. User must be aware of and avoid potential hazards. Hazards can include but are not limited to electrical, thermal, chemical, or gaseous.
- Step 2:** At the Head Unit of the tripod, remove the detent pins and adjust each leg and adjust each leg to their necessary position based on operational requirements. Reinstall detent pins.
- Step 3:** Remove the leg detent pins. Adjust the tripod leg length as needed (stance 2A is the shortest with no extension needed, 2B is the longest) by depressing the button locks and sliding the inner sections of the tripod legs out until buttons lock and re-engage. Reinstall detent pins.
- Step 4:** Prior to standing the tripod into its upright position, it is recommended to install your devices (Section 15). If a height adjustment or installation of devices is required while in the upright position, there are optional tripod steps available to assist in accessibility.
- Step 5:** Connect the tripod legs together using the provided safety chain. Ensure all feet of tripod are secured with the chain to resist moving, splaying, or shifting from the tripod set location. It may be necessary to configure the two tripod feet towards the nearest edge in a vertical position for best grip.

NOTE: Safety Chain MUST be installed to complete installation. Remove all slack from chain. Do not use tripod without safety chain installed.

FIGURE 7 - OVER EDGE USE



14.3 INSTALLATION AND USE (10' TECH TRIPOD - TRENCH)

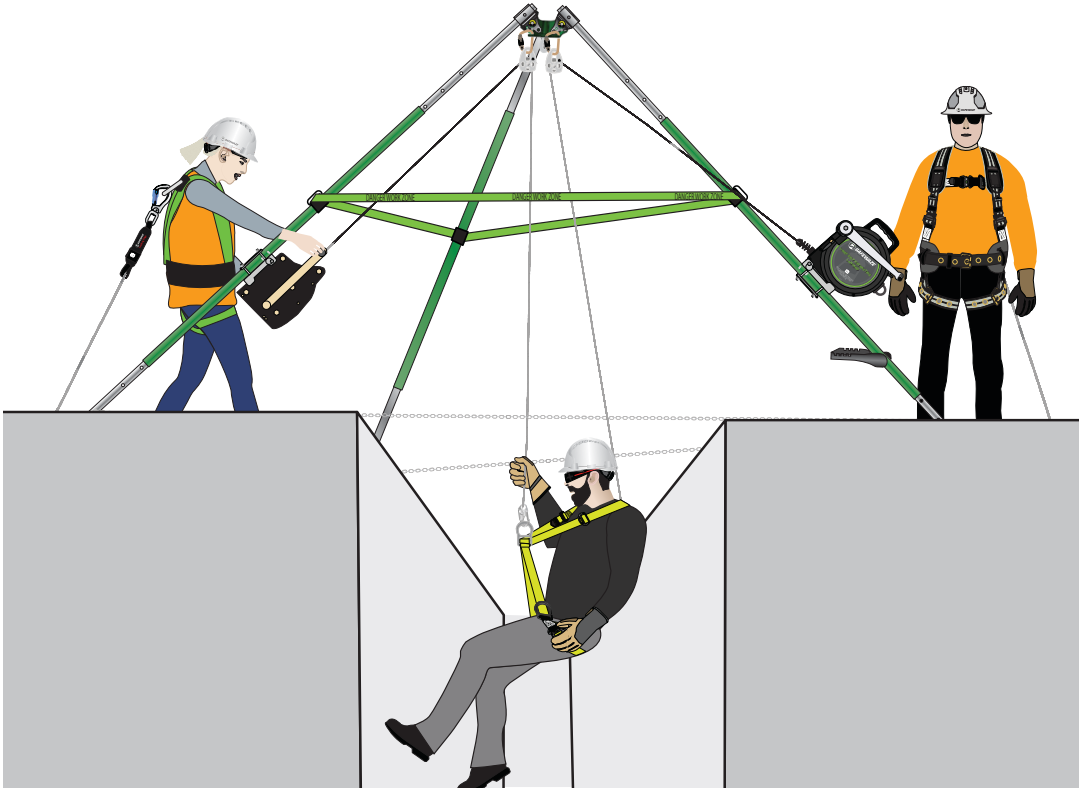
The 10' Tech Tripod is suitable for use in Trench operations. Although not as complex as Over Edge installation, there are potential hazards that must be taken into consideration when installing the Tech Tripod for Trench operations. Trench applications may require workers on either side of opening to properly operate the tripod and/or associated devices (Figure 9).

- Step 1:** Ensure the location chosen for installation of the tripod is sufficiently stable, level, and in an area that allows for proper installation of the tripod. Installation of the tripod must ensure the lifeline will be situated directly above the intended work location. A Competent Person must determine that the installation location is capable of supporting intended loads on the tripod. User must be aware of and avoid potential hazards. Hazards can include but are not limited to electrical, thermal, chemical, or gaseous.
- Step 2:** At the Head Unit of the tripod, remove the detent pins and adjust each leg to their necessary position based on operational requirements. Reinstall the detent pin.
- Step 3:** Pre-measure the trench and adjust tripod legs accordingly. Remove the leg detent pins. Adjust the leg length as needed by depressing the button locks and sliding the inner sections of the tripod legs out until buttons lock and re-engage. Reinstall detent pins.
- Step 4:** Prior to standing the tripod into its upright position, it is recommended to install your devices (Section 15). If a height adjustment or installation of devices is required while in the upright position, there are optional tripod steps available to assist in accessibility. Stand the tripod into an upright position and ensure all feet are stable.
- Step 5:** Connect the tripod legs together using the provided safety chain. Ensure all feet of tripod are secured with the chain to resist moving, splaying, or shifting from the tripod set location. Also check the anchorage lines to ensure they are secure.



Trench environments present additional hazards not covered in this manual. These hazards may include but are not limited to collapse, cave-in, atmospheric contamination, standing-water, inadequate shoring, sloping etc. Refer to standards and regulations specific to the type of work being performed. Prepare and establish a rescue plan prior to work operations.

FIGURE 8 - TRENCH USE



15.0 COMPATIBLE DEVICES/CONNECTION POINTS

3-Way System, Personnel Winch, Material Winch:

Step 1: The Universal Tripod Bracket is designed to allow quick connection and disconnection of up to 3 Safewaze Devices to the 10' Tech Tripod. One section of the bracket (fixture plate) comes pre-installed onto the tripod leg, with the second component (device bracket) pre-attached to the device.

NOTE: Although pre-installed onto a leg of the tripod, the fixture plate can be adjusted in height and orientation by loosening the lock nuts on the back of the fixture plate and sliding the plate up or down the green section, or rotating to the inside or outside of the tripod leg. With the plate in the selected location on the tripod leg, re-tighten the lock nuts to 15 ft-lb. Do not over tighten. The bracket can also be moved from one tripod leg to another if necessary, and may be oriented on the inside or outside of the tripod leg, based on jobsite parameters or user preference.

Step 2: Remove the detent pin from the fixture plate and position the device with the lifeline oriented towards the top of the tripod and the device bracket hooks facing down (Figure 10, Step 1).

Step 3: Place the device bracket inside the fixture plate, ensuring the device bracket hooks are properly seated onto the crossbar of the fixture plate. With the device hooks securely seated on the crossbar, rotate the device upwards until holes in both sections of the bracket are realigned. Re-install the detent pin through the aligned holes (Figure 10, Step 2). The device lifeline can now be routed through appropriate rigging at the head unit (Figure 10).

FIGURE 9 - UNIVERSAL BRACKET/DEVICE CONNECTION

Step 1

Labels: Fixture Plate, Device Bracket, Tripod Leg, Device Bracket Hooks, Detent Pin, Device

Step 2

Labels: Fixture Plate, Tripod Leg, Detent Pin, Device Bracket, Device

Device Installation (Outside of Tripod Leg)

Device Installation (Inside of Tripod Leg)

Rigging

Work Area

*Carabiner (FS1015) and pulley (020-11025) can be sold separately if expanding system with additional devices.

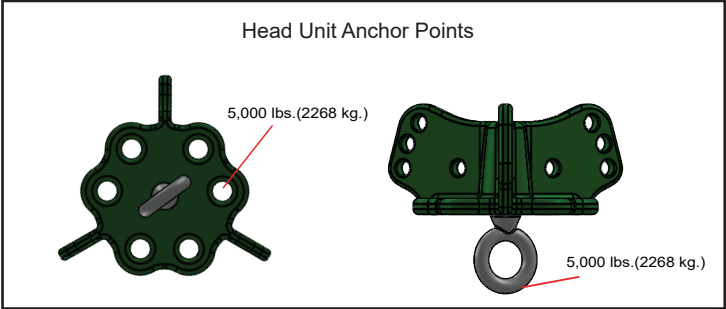
SRL, Rescue, and Descent Devices:

Step 1: The 10' Tech Tripod is designed to allow quick connection and disconnection of Rescue and Descent Devices to the Head Unit of the Tripod.

Step 2: Devices can connect to the captive eye or any of the six anchor points on the Head Unit (Figure 11).

Step 3: Do not allow lifelines to cross. Utilize extra caution to keep the lifelines free from any obstructions including, but not limited to, surrounding objects, tools, equipment, moving machinery, co-workers, yourself, or possible impact from overhead objects.

FIGURE 10 - HEAD UNIT



The Cotter Pins on the Head Unit are permanent and not intended to be removed. Do not remove them. Only adjust the Head Unit via the removable dent pin.

FIGURE 11 - EXAMPLE SYSTEM CONNECTIONS



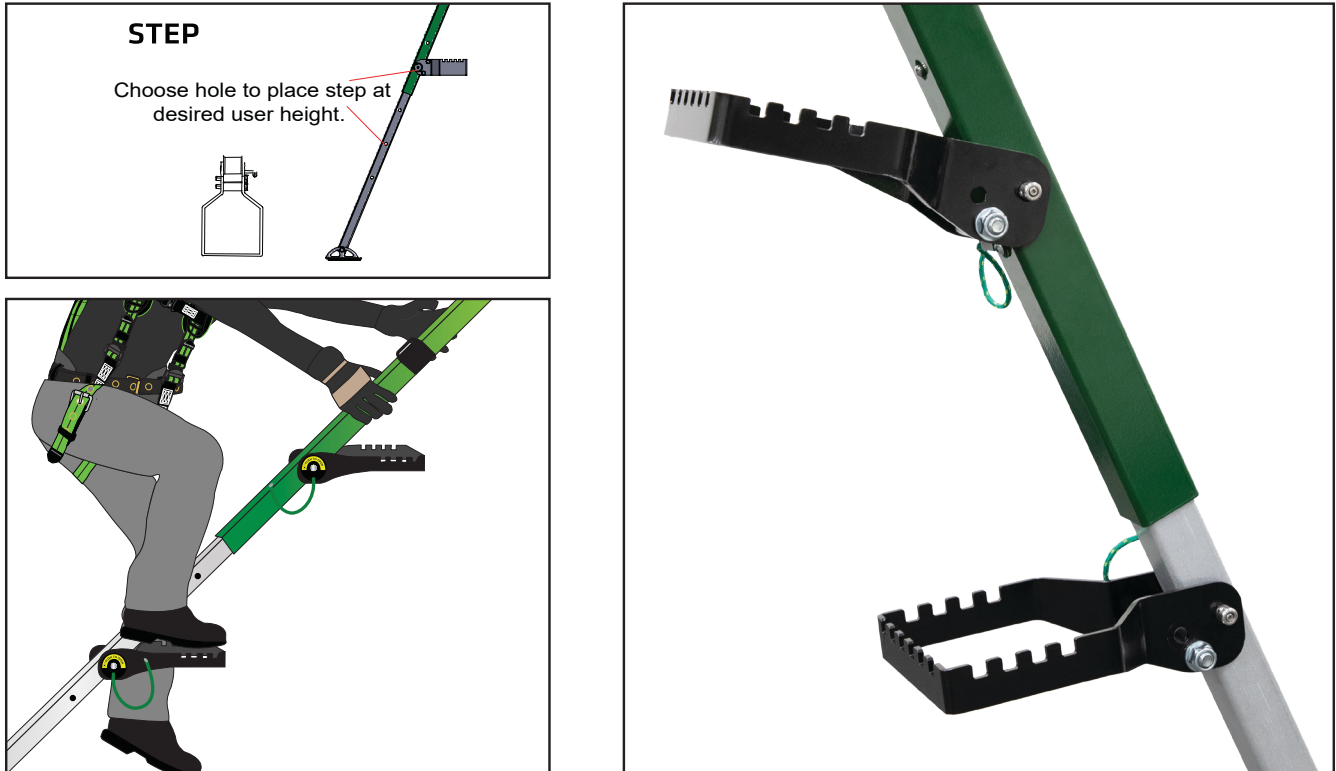
Attachable/Removable Steps (022-11030):

Step 1: The Attachable/Removable Steps (sold separately) can be easily installed onto the tech tripod. The two attachable/removable steps assist in device or accessory connection at the head unit of the tripod.

Step 2: The steps pin into the tripod frame using detent pins.

NOTE: Although the tripod steps are mounted to the inside of the tripod, climbing operations must be approached and utilized from outside of the tripod frame (Figure 12).

FIGURE 12 - ATTACHABLE/REMOVABLE STEP



Perimeter Warning Line (022-11031):

Step 1: The Perimeter Warning Line (sold separately) can be easily installed onto the tech tripod to prevent unauthorized entry into the work area. Install the Perimeter Warning Line Brackets onto the outside surface of each leg of the tripod.

Step 2: Thread the end of the Perimeter Warning Line through each of the 3 brackets.

Step 3: Pull the free end of the warning line through the cam buckle until line is snug and secure any excess webbing to prevent a trip hazard.

FIGURE 13 - PERIMETER WARNING LINE



16.0 AFTER A FALL

Should the 10' Tech Tripod be exposed to the force of a fall, or shows damage consistent with the effects of a fall, it must be IMMEDIATELY removed from service and tagged "Unusable." Equipment must then be disposed of (Section 20).

17.0 MAINTENANCE AND SERVICE

Only Safewaze, or entities authorized in writing by Safewaze, may make repairs to Safewaze fall protection equipment.

Remove the Confined Space System from use if inspection reveals an unsafe or defective condition. If unsafe or defective condition is found, dispose of the component(s) as recommended in Section 20.

Use a dry cloth or brush and clean devices. The Tech Tripod can be cleaned with water and a mild soap solution. Allow components to air dry. DO NOT use heat. Never store any component when wet.

Store Safewaze Confined Space system components in a cool, dry, and clean environment out of direct sunlight. Utilize the storage bag and component pockets to neatly store the tripod and components. Avoid areas where chemical vapors may exist. Thoroughly inspect the system after any period of extended storage.

18.0 INSPECTION

The 10' Tech Tripod must be inspected prior to each use and at least annually by a Competent Person other than the user. Inspect the tech tripod for absence or illegibility of markings or damaged components that may affect the correct function of the tripod. Inspect for any damage to tech tripod components such as sharp edges, cracks, deformation, excessive corrosion, chemical exposure, missing or damaged detent pins, or unauthorized alteration or modification to the tripod.

18.1 INSPECTION FREQUENCY

In addition to inspection prior to each use, the 10' Tech Tripod must be inspected annually by a Competent Person other than the user. Severe or harsh environments may require more frequent inspections.

See Figure 14 for more information regarding inspection frequency requirements.

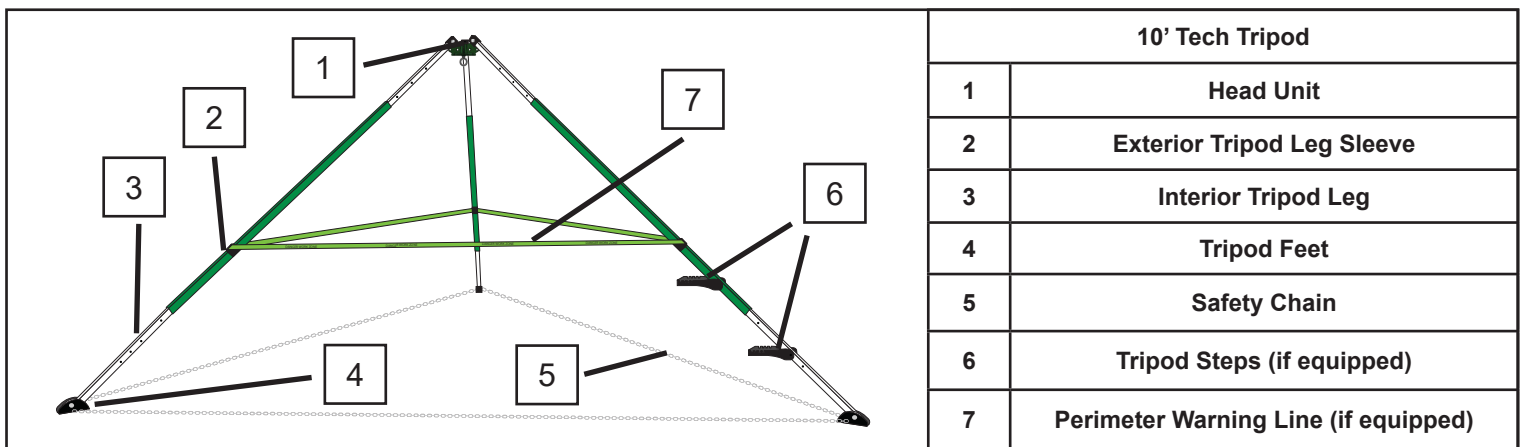
FIGURE 14 - INSPECTION FREQUENCY

Type of Use	Application Examples	Conditions of Use	Inspection Frequency by Competent Person
Infrequent to Light	Rescue and Confined Space, Factory Maintenance	Good Storage Conditions, Indoor or Infrequent Outdoor Use, Room Temperature, Clean Environments	Annually
Moderate to Heavy	Transportation, Residential Construction, Utilities, Warehouse	Fair Storage Conditions, Indoor and Extended Outdoor Use, All Temperatures, Clean or Dusty Environments	Semi-Annually to Annually
Severe to Continuous	Commercial Construction, Oil and Gas, Mining	Harsh Storage Conditions, Prolonged or Continuous Outdoor Use, All Temperatures, Dirty Environment	Quarterly to Semi-Annually

18.2 COMPONENT INSPECTION

Equipment inspectors must be trained to look for damage to any of the components of the system. If inspection reveals an unsafe or defective condition, remove the system from service. See Figure 14 for inspection criteria and inspection diagram.

FIGURE 14 - INSPECTION DIAGRAM/10' TECH TRIPOD



10' Tech Tripod inspection:

1. Inspect Head Unit for damage such as cracks, deformation, corrosion. Ensure eye-bolt anchor point is undamaged and serviceable. Inspect that all detent pins, bolts, etc., are present and functional.
2. Inspect exterior tripod leg sleeve for any warping, bends, cracks, corrosion, or other damage. Inspect that all detent pins, bolts, etc., are present and functional. Ensure no damage exists that would prevent Interior Tripod Leg from moving freely during adjustment.
3. Inspect the Interior Tripod Leg for any bends, excessive corrosion, warping, cracks, or other potential damage that could possibly prevent the leg from moving freely during adjustment.
4. Inspect that tripod feet are present and in good working condition. Feet should swivel freely and not bind or stick.
5. Inspect tripod chain for any kinks, broken links, corrosion, chemical exposure or any other damage.
6. Inspect the tripod steps for any deformation, cracks, bends, corrosion and overall condition. Inspect that all detent pins, bolts, etc., are present and functional.
7. Inspect the Perimeter Warning Line for tears, adequate tension, and signs of any other damage.

NOTE: Refer to specific manufacturer’s instructions for any devices connected to the 10' Tech Tripod.

19.0 PRODUCT LIFE

The working life of the 10' Tech Tripod System is determined by work conditions, care, and inspection provided. So long as the system and all components passes inspection, it may remain in service. If any component of the system is exposed to the forces of a fall, it must be removed from service and tagged “Unusable.”

20.0 DISPOSAL

Dispose of the 10' Tech Tripod System if inspection reveals an unsafe or defective condition. Any component of the 10' Tech Tripod that is damaged and unserviceable should be destroyed so as not to allow accidental re-use.

21.0 LABELING

FIGURE 16 - LABEL EXAMPLES

POSITIONING #2

5,000 lbs. (2268 kg.)

5,000 lbs. (2268 kg.) (x6)

ADJUSTMENT
Press silver buttons, and release to adjust legs heights. A. denotes the shortest leg configuration possible. B. denotes the longest.

STEP
Choose hole to place step at desired user height.

STANCE #1A
74.5" (189.2cm)

86.5" Ø (219.9cm Ø)

STANCE #1B
119" (302.2cm)

127.1" Ø (323cm Ø)

DO NOT REMOVE LABEL

10' TECHNICAL TRIPOD

022-11029

022-11033

022-11034

022-11035

022-11036

022-11037

Serial #: XXXXXX

Date of MFG: XX/XXXX

WARNING
User must read and understand all instructions provided with this product, at time of shipment, prior to use. Misuse of this product or failure to follow instructions may result in serious injury or death. Make only compatible connections.

SPECIFICATIONS:
Meets: ANSI Z359.18-2017 Type T, Z359.4-2013, Z117.1-2022, OSHA 1910.140, 1926.502
User Capacity: ANSI 190.3-10 Iss. 658-141 kg) OSHA up to 420 lbs. (191 kg)
System Capacity: 620 lbs. (281 kg) Max
Material Lifting: 620 lbs. (281 kg) Max
Minimum Breaking Strength: 5,000 lbs. (2268 kg)
Materials: Aluminum, Zinc Plated Steel

INSPECTION
Tripod must be inspected prior to each use. This product must be inspected by a competent person at least every 6 months, or more frequently in harsh environments. Do not use if inspection reveals damaged/defective components.

Date	Initial	Date	Initial

COLLAPSED
97" (246.3cm)

DO NOT REMOVE LABEL

STANCE #2A
53.5" (135.9cm)

135" Ø (343.1cm Ø)

STANCE #2B
84" (213.4cm)

218.2" Ø (554.3cm Ø)

OVER EDGE
It is up to competent/qualified person to determine best configuration for edge work. Every configuration must have two tie back ropes/straps 6x user weight capacity.

6x user weight capacity

Use foot spikes for over edge configurations




























PERIMETER WARNING LINE
*Sold Separately (#022-11031)
Place warning line when desired configuration is reached.

DO NOT REMOVE LABEL

22.0 INSPECTION LOG

Product lifetime is indefinite as long as it passes pre-use and Competent Person inspections. User must inspect prior to each use. A Competent Person other than the user must complete formal inspection at least annually.

INSPECTION LOG

 SAFEWAZE	INSPECTION LOG ANNUAL FORM		
Inspection Date:	Inspector:	Pass/Fail:  	Comments/ Corrective Action:
		 	
		 	
		 	
		 	
		 	
		 	
		 	
		 	
		 	
		 	
		 	
		 	



IMPORTANT:

Competent Person inspections must be recorded in the inspection table included in this manual as well as the inspection table labels on each product individually. The Competent Person must place their initials in the block which corresponds with the month and year that the inspection is performed. All individual labels on equipment will be initialed in the same manner.

**If equipment fails inspection
IMMEDIATELY REMOVE FROM SERVICE**



SAFEWAZE

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