ANSI	Z359.18-2017 (Type T), Z359.4-2013, Z117.1-2022
OSHA	1910.140, 1926.502

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.

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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.

WARNING

(YHU\ XVHU PXVW EH WUDLQHG LQ WKH LQVSHFWLRQ LQVWDOODWLRQ RSHUDWLRQ DQG SURSHU 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.
- ,I LQVSHFWLRQ UHYHDOV DQ XQVDIH RU GHIHFWLYH FRQGLWLRQ WKH HTXLSPHQW PXVW 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.
- ,I WKH 3)$6 LV PDGH XS RI FRPSRQHQWV IURP GL‡HUHQW PDQXIDFWXUHUV HQVXUH WKDW PHHW DOO DSSOLFDEOH VWDQGDUGV UHJXODWLRQV RU UHTXLUHPHQWV $ &RPSHWHQW 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.
- 1HYHU DWWDFK DQ\ XVHU HTXLSPHQW WR WKH WULSRG XQWLO IXOO\ DVVHPEOHG DQFKR
- 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.
- &RQVXOW \RXU GRFWRU LI WKHUH LV UHDVRQ WR GRXEW \RXU ability to withstand falls. Pregnant women or minors must not use Safewaze equipment.

CAUTION

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 RI WKH HTXLSPHQW 8VHUV PXVW EH WUDLQHG LQ RSHUDWLRQ RI WKH ¶ 7HFK 7ULSRG DQG DOO 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 7ULSRG LV VXLWDEOH IRU PRVW WUDQVLWLRQ DSSOLFDWLRQV 7KHVH LQFOXGH &RQVWUXFWLRQ 7KH ¶ 7HFK 7ULSRG FDQ EH ULJJHG DV D VWDQGDUG WULSRG RU FRQ¿JXUHG IRU DGYDQFHG DSS 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 DFFRPPRGDWH XVHUV DW OEV HDFK LQ7KHQ SHUVRQDO RU UWKVHF X H¶ 7HFKQ7ULSRG LV WR VDIHO\ SU VSDFHV DQG PD\ EH LQVWDOOHG LQ PXOWLSOH FRQ¿JXUDWLRQV DVQRG SUDRMHFWLRQ DDDQ3UDRWHFWLRQ FDSDE

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. $SSOLFDEOH VWDQGDUGV DQG UHJXODWLRQV GHSHQG RQ WKH W\SH RI ZRUN EHLQJ GRQH DQG P requirements for additional information concerning the governing of occupational safety regarding Personal Fall Arrest Systems (PFAS) rescue operations.

4.0 SPECIFICATIONS

6\VWHP 6SHFL¿FDWLRQV

Capacity:	• Maximum Weight Capacity:
	  • 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:	• Collapsed:
	  • Length- 97 in. (246.4 cm)
	  • Width- 12 in. (30.5 cm)
	• Working Heights (measurements are from working surface to captive eye):
	  • 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)

&RPSRQHQW 6SHFL¿FDWLRQV

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

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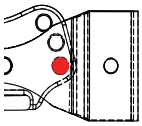
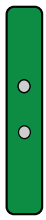
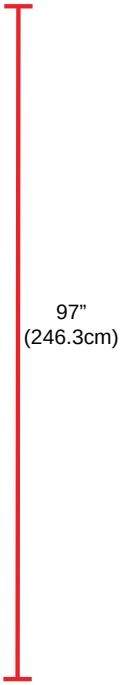
Part Number	Description	Materials
N/A	Fasteners	Zinc Plated Steel
N/A	Detent Pins	Nylon, Stainless Steel
019-11005/019-11015	3-Way System/Universal Mount (65’ or 120’)	Aluminum Housing, Plated Steel/Stainless Steel Components, Galvanized Steel Cable, Plastic Handle
019-11007/019-11008	Personnel Winch (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:

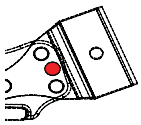
COLLAPSED

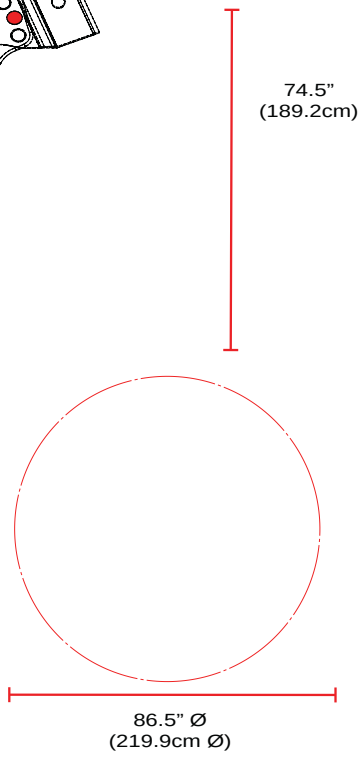




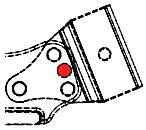


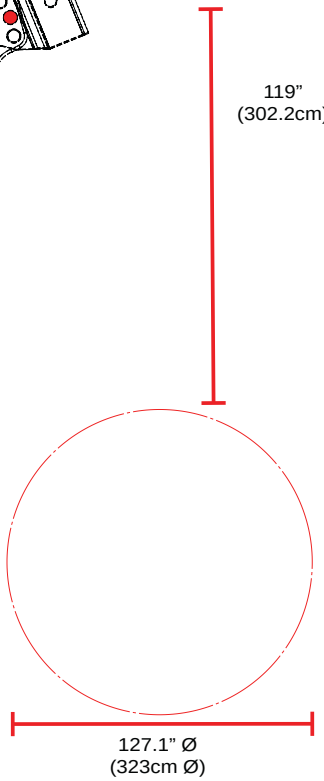
STANCE #1A



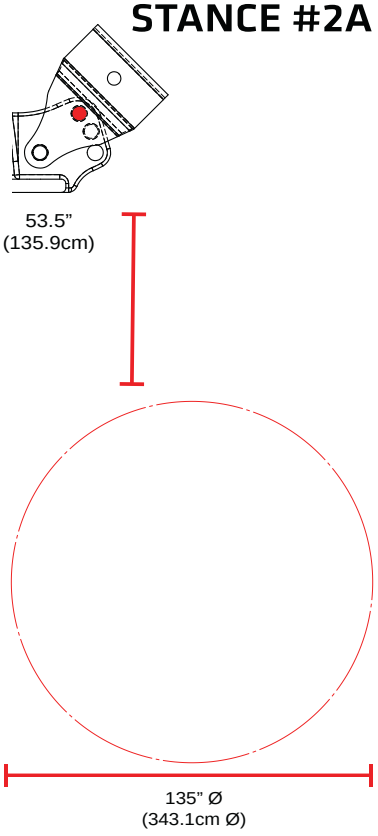


STANCE #1B

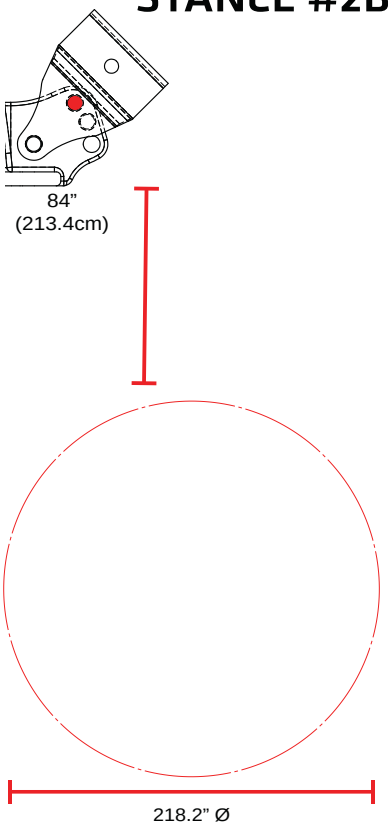




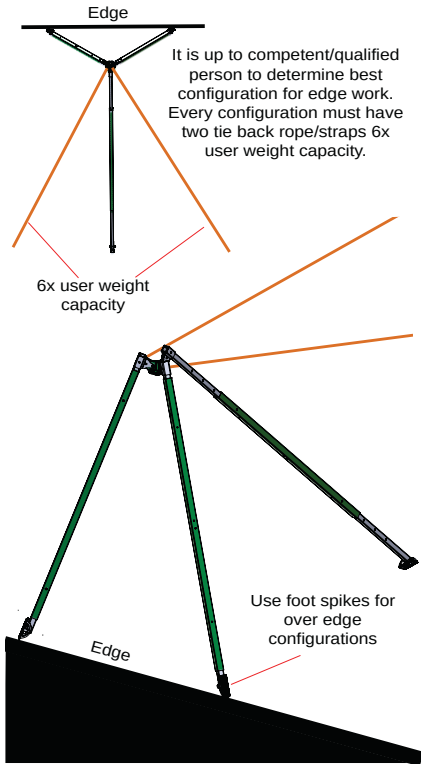
STANCE #2A



STANCE #2B



OVER EDGE



5.0 WORKER CLASSIFICATIONS

8QGHUVWDQG WKH GH¿QLWLRQV RI WKRVH ZKR ZRUN LQ SUR[LPLW\ RI RU PD\ EH H

4XDOL¿HG (QJLQHHU´ PHDQV D SHUVRQ ZLWK D EDFKHORU RI VFLHQFH GHJUHH DQG WKH DQHH to assume personal responsibility for the development and application of engineering science and knowledge in the design, construction, use, and maintenance of their projects.

4XDOL¿HG 3HUVRQ´ PHDQV RQH ZKR E\ SRVVHVVLRQ RI D UHFRJQL]HG GHJUHH FHUW 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: ³$XWKRUL]HG 3HUVRQ´ PHDQV D SHUVRQ DSSURYHG RU DVVLJQHG E\ WKH HPSOR\HU location or locations, at the jobsite.

,W LV WKH UHVSRQVLELOLW\ RI D 4XDOL¿HG RU &RPSHWHQW SHUVRQ WR VXSHUY **regulations are complied with.**

6.0 TRAINING

8VHUV PXVW EH WUDLQHG LQ WKH LQVWDOODWLRQ RSHUDWLRQ 7HFK 7UHSRG DQG DQ\ SHUVRQDO SURWHFWLYH RU 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

$ 4XDOL¿HG 3HUVRQ PXVW VXSHUYLVH WKH LQVWDOODWLRQ RI WKH ¶ 7HFK 7UL SRG $ &RPSHWH

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 = IRU VSHFL¿F UHVFXH LQIRUPDWLRQ

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).

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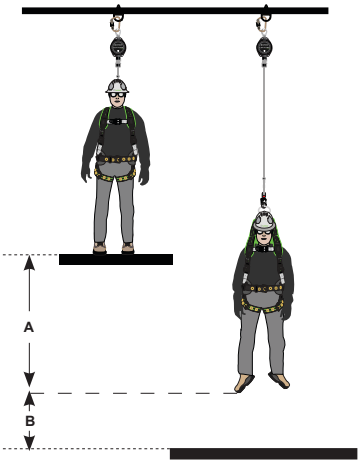
FIGURE 1 - MINIMUM REQUIRED FALL CLEARANCE

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 much 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.

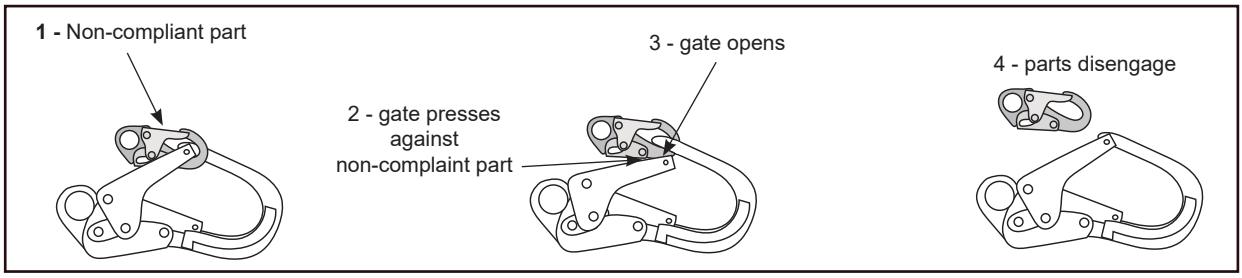
IMPORTANT: If substitutions or replacements are made to the system, ensure all components meet the applicable ANSI requirements. Read and follow manufacturer's instructions for all components and subsystems in your SHUVRQDO IDOO DUUHVW V\VWHP 1RW IROORZLQJ WKLV JXLGDQFH PD\ MHRSDUGL the safety and reliability 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.

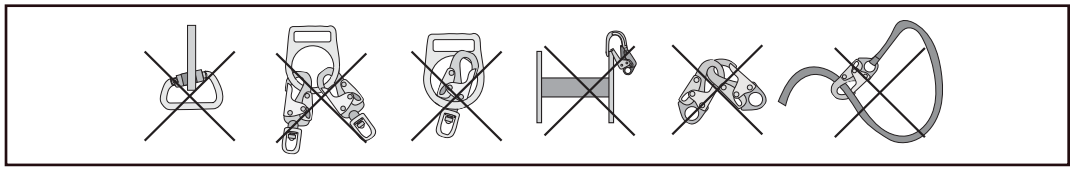
12.0 MAKING CONNECTIONS

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.

6DIHZD]H FRQQHFWRUV KRRNV FDUDELQHUV DQG ' ULQJV DUH GHVLJQHG WR EH XVHG RQO\ DV GHVFULEHG LQ WKHVH LQVWUXFWLRQV 8VH RI QRQ6DIHZD\ 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).
- ,Q D IDOVH HQJDJHPHQW ZKHUH IHDWXUHV WKDW SURWUXGH IURP RU FRQFHDO WKH 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 HTXLSPHQW 6RPH VXEV\VWHP FRPSRQHQWV FRXOG D‡HFW WKH SHUIRUPDQFH 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: (QVXUH WKH ORFDWLRQ FKRVHQ IRU LQVWDOODWLRQ RI WKH WULSRG LV VXˆFLHQWO\ VWDEL 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

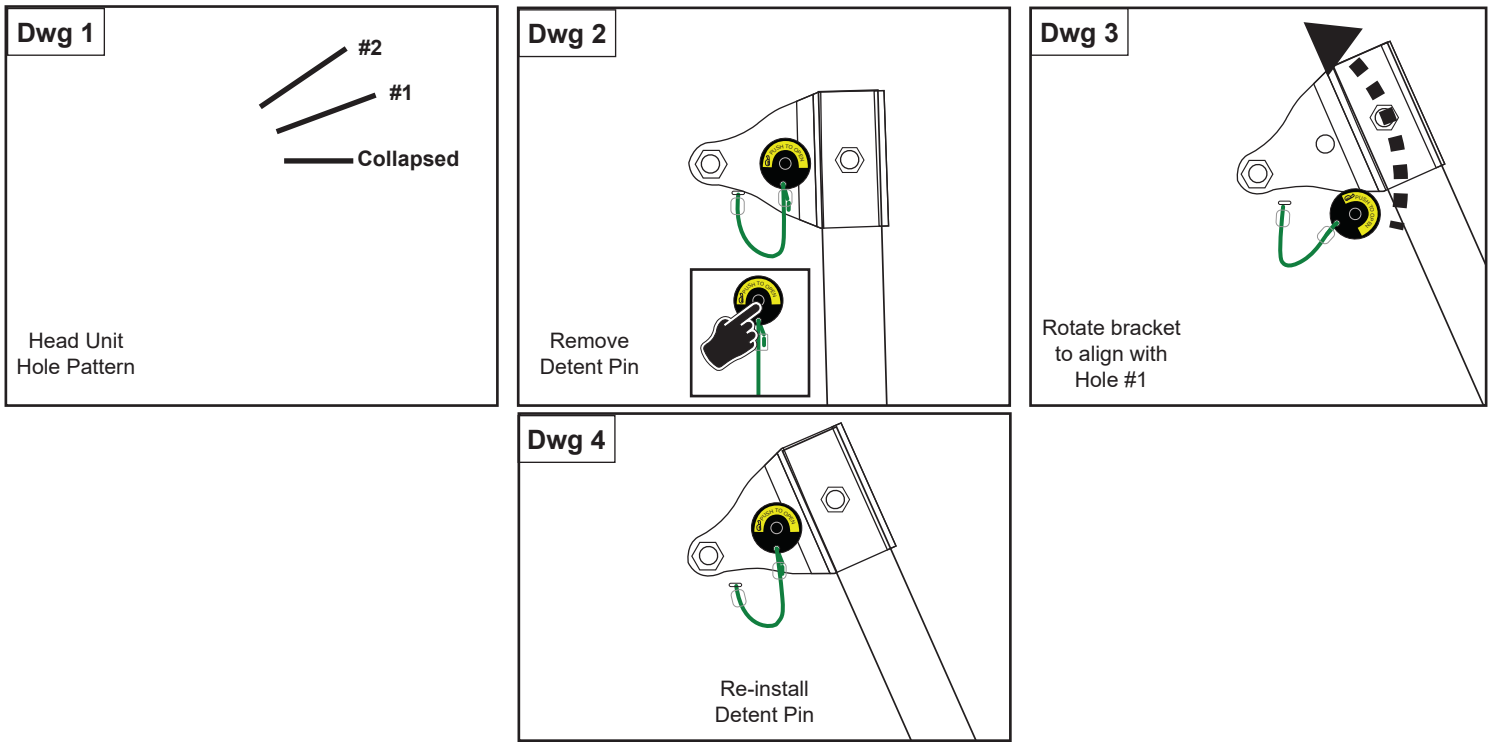


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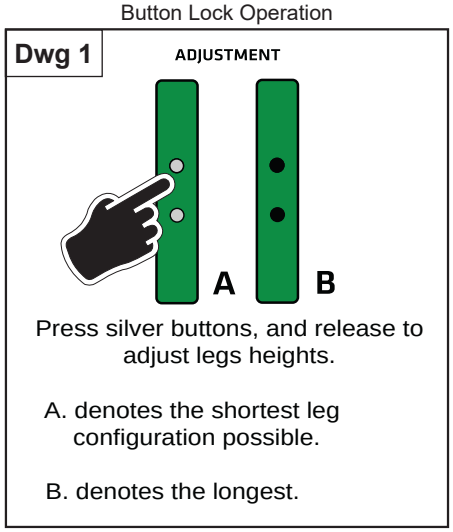
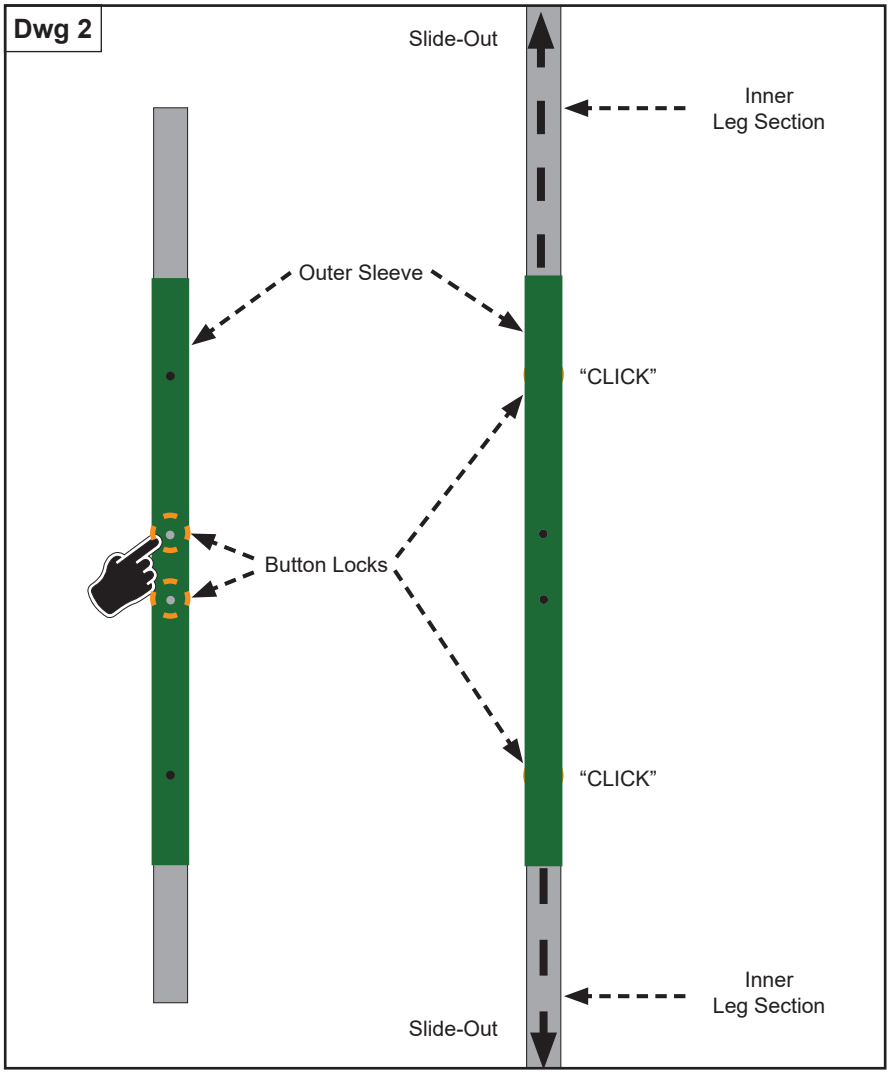
FIGURE 5 - TRIPOD LEG EXTENSION

Button Lock Operation





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

Step 1: (QVXUH WKH ORFDWLRQ FKRVHQ IRU LQVWDOODWLRQ RI WKH WULSRG LV VXˆFLHQWO\ VWDE
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.

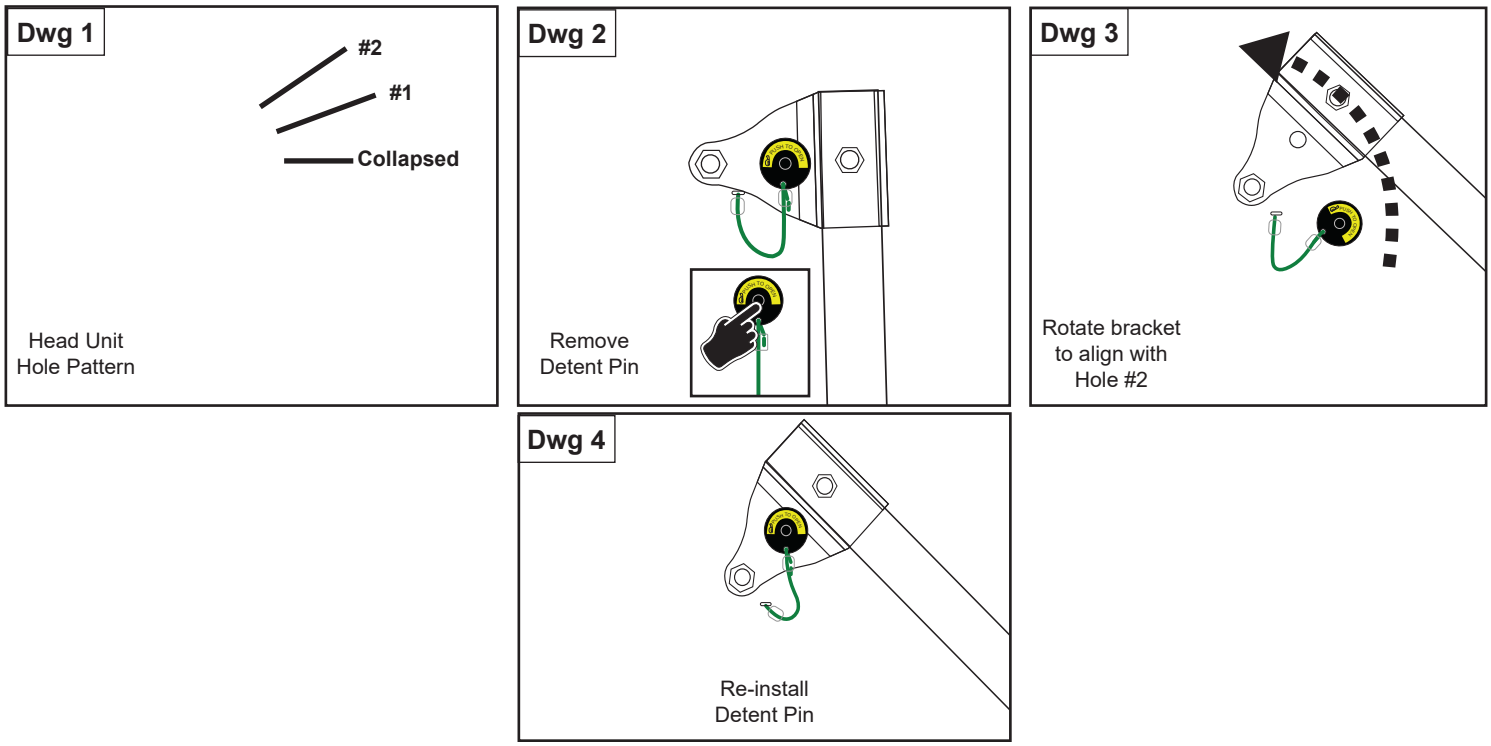
Step 3: Remove the leg detent pins. Adjust the tripod leg length as needed (stance 2A is the shortest with no extension needed, 2B is the longest) by depressing the button locks and sliding the inner sections of the tripod legs out until buttons lock and re-engage (Figure 5). Reinstall detent pins.

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)

7KH ¶7HFK 7UL SRG LV GHVLJQHG IRU XVH RYHU DQ HGJH 2YHU HGJH LQVWDOODWLRQV DUH LQ
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: (QVXUH WKH ORFDWLRQ FKRVHQ IRU LQVWDOODWLRQ RI WKH WULSRG LV VXˆFLHQWO\ VWDE
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 VKLIWLQJ IURP WKH WULSRG VHW ORFDWLRQ ,W PD\ EH QHFHVVDU\ WR FRQ¿JXUH WKH WZR

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

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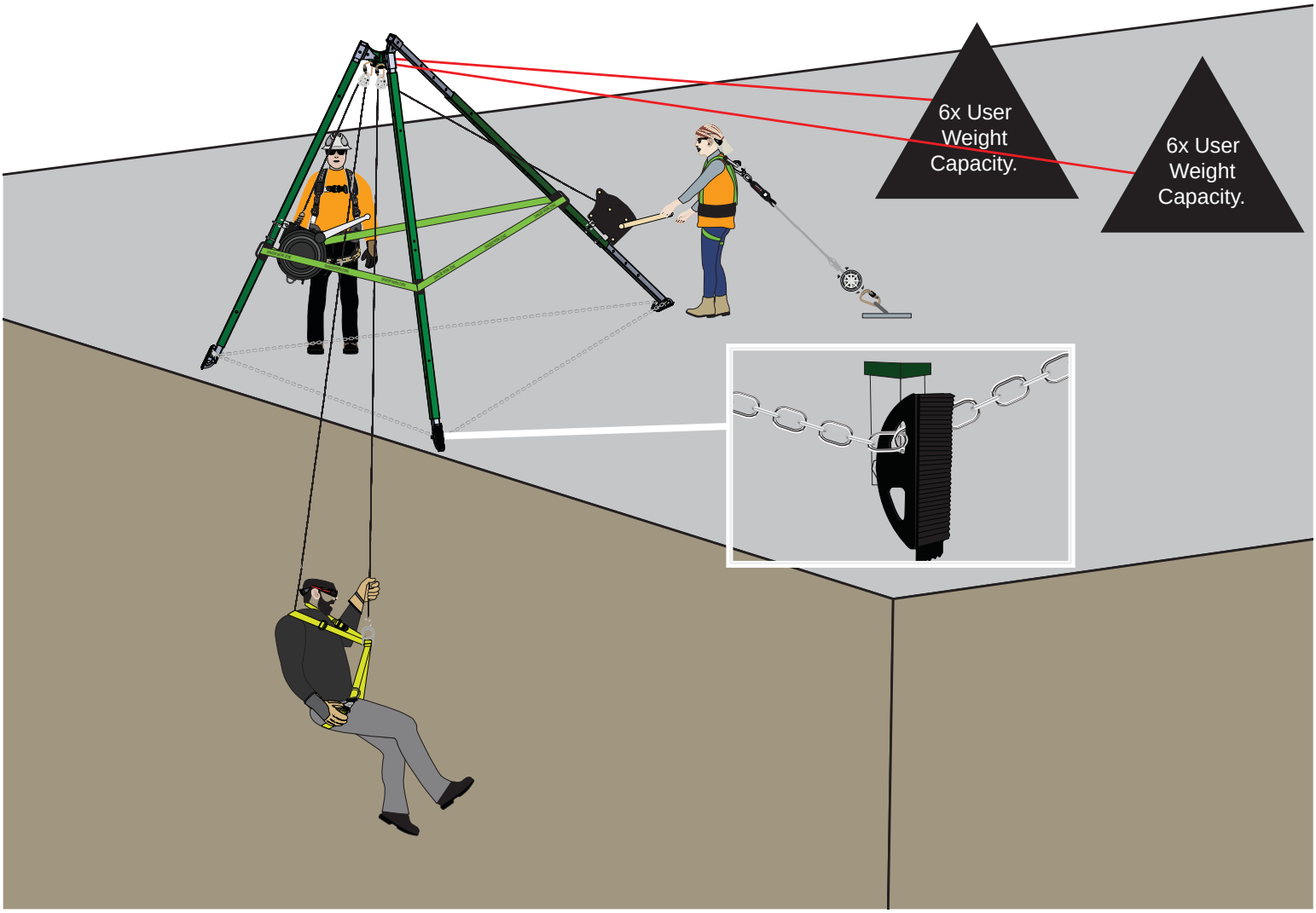
FIGURE 7 - OVER EDGE USE



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: (QVXUH WKH ORFDWLRQ FKRVHQ IRU LQVWDOODWLRQ RI WKH WULSRG LV VXˆFLHQWO\ VWDE 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.

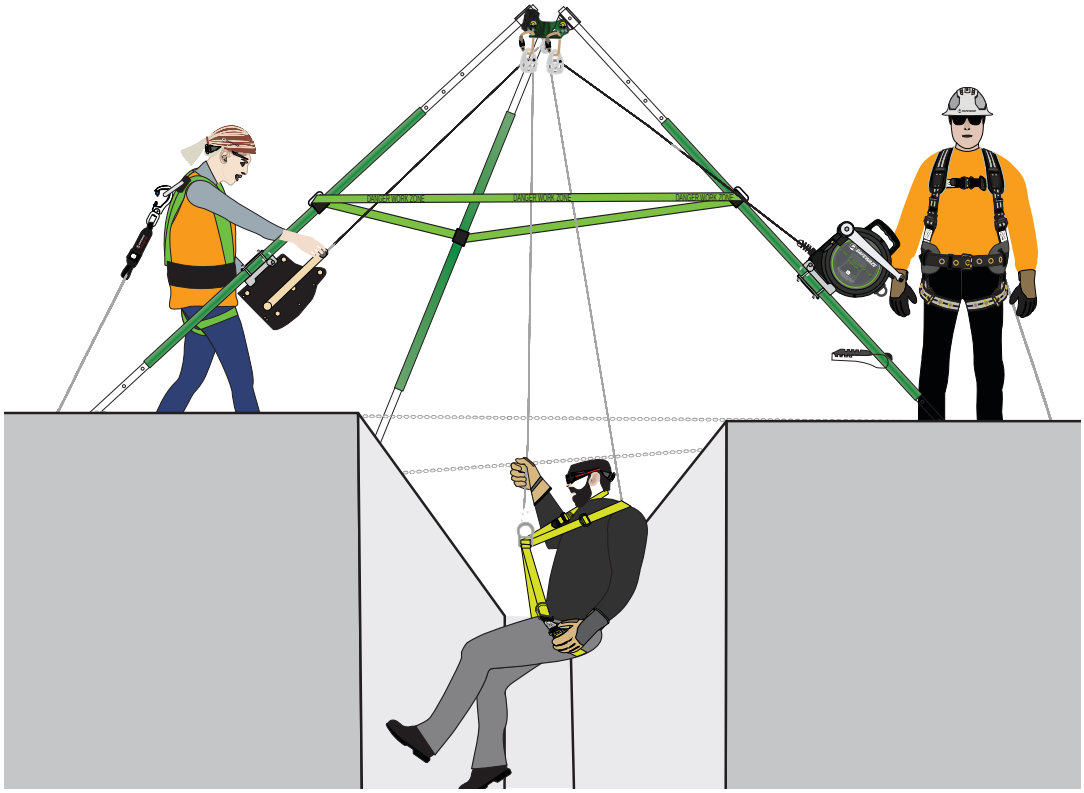
Step 4: Prior to standing the tripod into its upright position, it is recommended to install your devices (Section 15). If a height adjustment or installation of devices is required while in the upright position, there are optional tripod steps available to assist in accessibility. Stand the tripod into 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.

WARNING

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 HWF 5HIHU WR VWDQGDUGV DQG UHJXODWLRQV VSHFL¿F WR WKH W\SH rescue plan prior to work operations.

FIGURE 8 - TRENCH USE



15.0 COMPATIBLE DEVICES/CONNECTION POINTS

3-Way System, Personnel Winch, Material Winch:

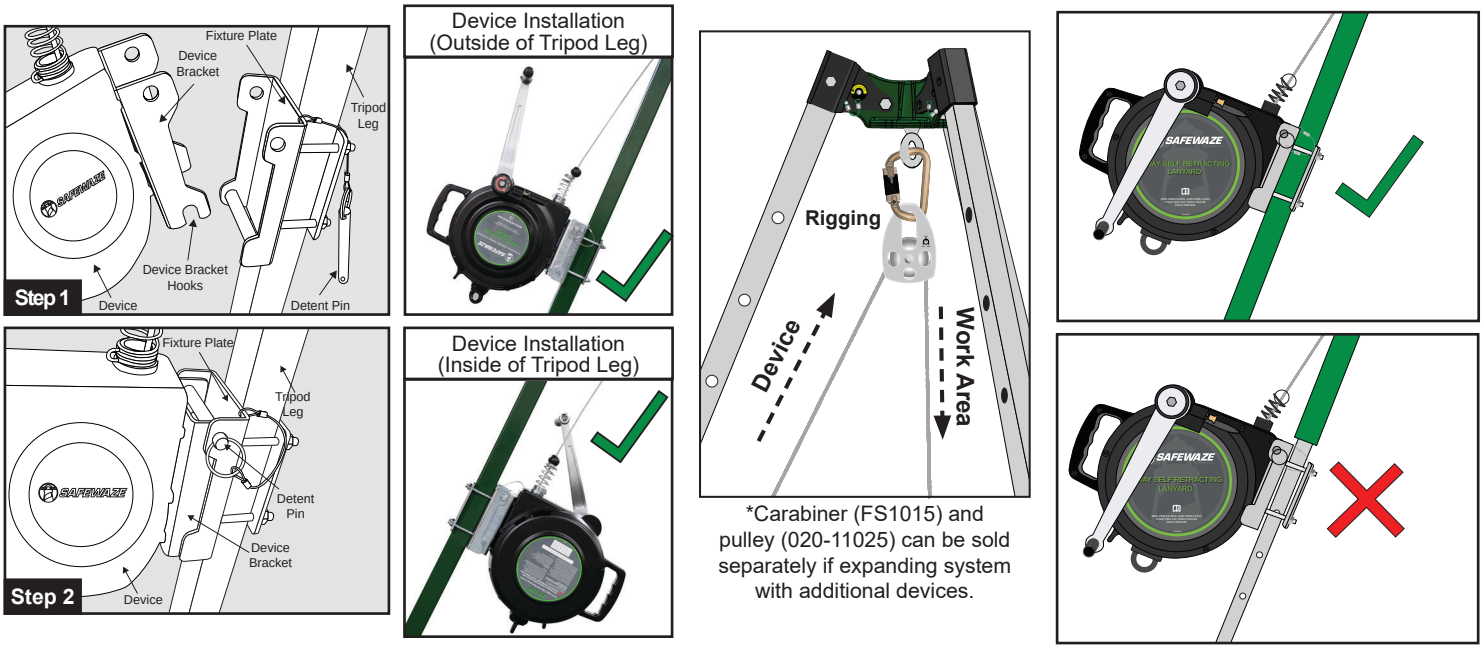
Step 1: The Universal Tripod Bracket is designed to allow quick connection and disconnection of up to 3 Safewaze Devices to the 10' Tech Tripod. One VHFWLRQ RI WKH EUDFNHW ¿[WXUH SODWH FRPHV SUH LQVWDOOHG RQWR WKH WULSRG OH

NOTE: $OWKRXJK SUH LQVWDOOHG RQWR D OHJ RI WKH WULSRG WKH ¿[WXUH SODWH FDQ E EDFN RI WKH ¿[WXUH SODWH DQG VOLGLQJ WKH SODWH XS RU GRZQ WKH JUHHQ VHFWLRQ 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: 5HPRYH WKH GHWHQW SLQ IURP WKH ¿[WXUH SODWH DQG SRVLWLRQ WKH GHYLFH ZLWK WKH facing down (Figure 10, Step 1).

Step 3: 3ODFH WKH GHYLFH EUDFNHW LQVLGH WKH ¿[WXUH SODWH HQVXULQJ WKH GHYLFH EUDFNH 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



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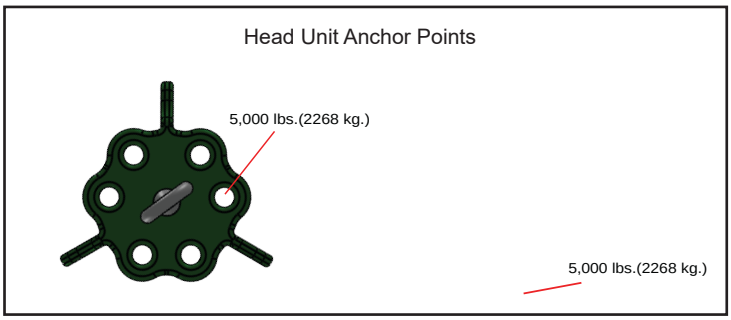
SRL, Rescue, and Descent Devices:

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.

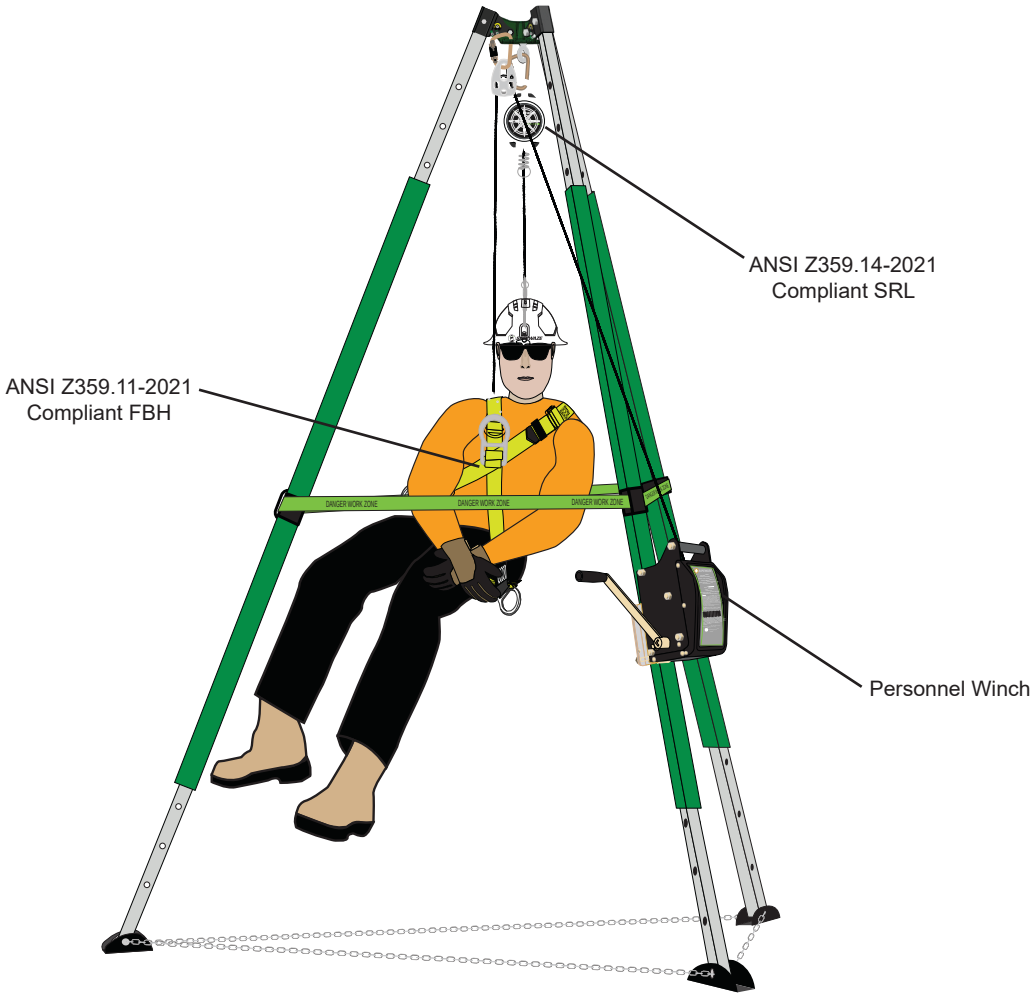
FIGURE 10 - HEAD UNIT



WARNING

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



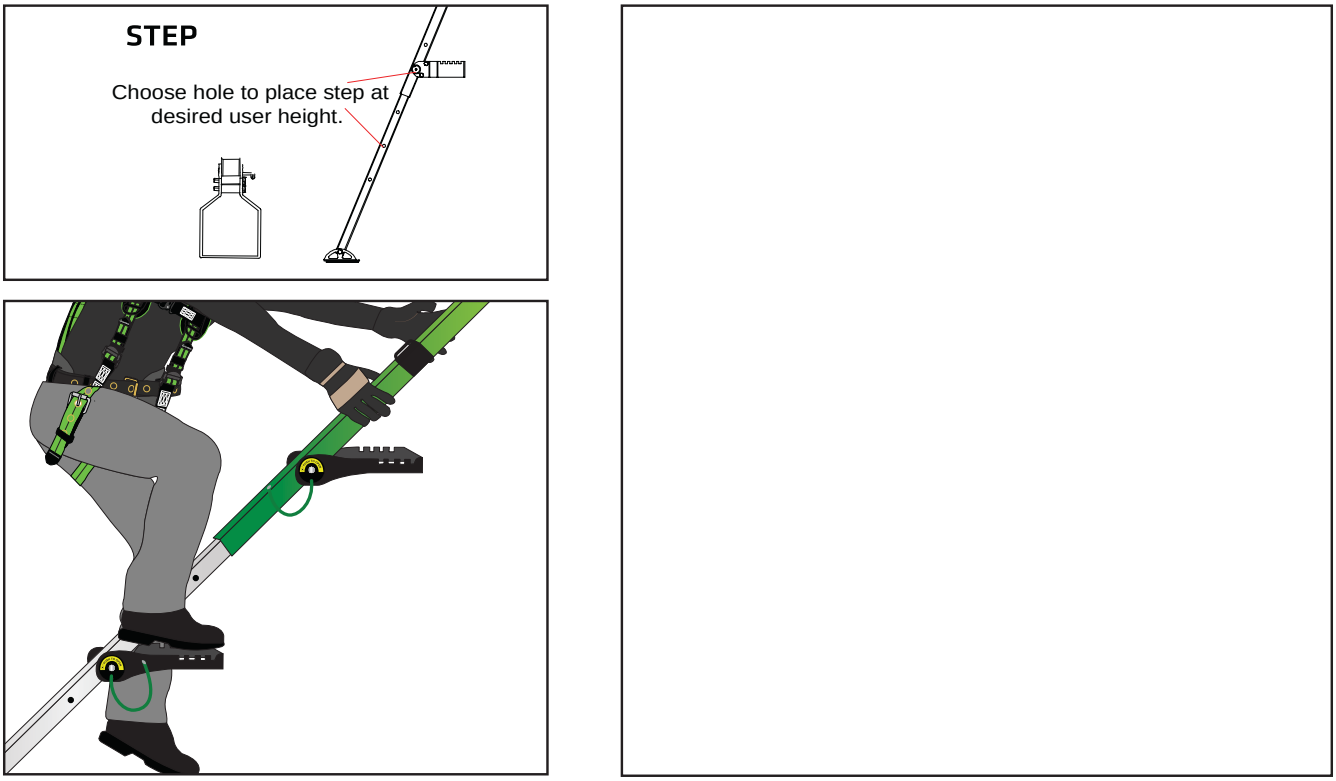
Attachable/Removable Steps (022-11030):

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.

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