



# **SAFEWAZE**

## **7' Adjustable Tripod Manual**



<b>STANDARDS</b>	
<b>ANSI</b>	Z359.4-2013, Z117.1-2022
<b>OSHA</b>	1926.502, 1910.140

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

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

**⚠ IMPORTANT:**

- Please refer to this manual for essential instructions on the use, care, or suitability of this equipment for your application. Contact Safewaze for any additional questions.
- Record all important product information prior to use. Documentation of all Competent Person annual inspections is required in the Inspection Log.

**▶ USER INFORMATION**

Date of First Use: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Trainer: \_\_\_\_\_

User: \_\_\_\_\_

**▶ SAFETY INFORMATION AND PRECAUTIONS**

- The manufacturer’s instructions must be provided to users of this equipment.
- The user must read, understand, and follow all safety and usage information contained within this manual.
- The user must safely and effectively use the 7’ Adjustable Tripod and all equipment used in conjunction with the tripod.
- Failure to follow all safety and usage information can result in serious injury or death.

## **⚠Warnings:**

Regulations included herein are not all-inclusive, are for reference only, and are not intended to replace a Competent Person's judgment or knowledge of federal or state standards.

**The warnings indicated below are designed to minimize risk associated with the use of the 7' Adjustable Tripod.**

- Users should consult with their doctor to verify ability to safely absorb the forces of a fall arrest event. Fitness level, age, and other health conditions can greatly affect an individual's ability to withstand fall arrest forces. Women who are pregnant and individuals considered minors must not use any Safewaze equipment.
- Do not alter or misuse equipment. Only Safewaze, or entities authorized in writing by Safewaze, may make repairs to Safewaze fall protection equipment.
- 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.
- Training of Authorized Persons to correctly install, inspect, disassemble, maintain, store, and use equipment must be provided by a Competent Person. Training must include the ability to recognize fall hazards, minimize the likelihood of fall hazards, and the correct use of personal fall arrest systems.
- Equipment that is exposed to fall arrest forces must be immediately removed from service and destroyed.
- Equipment designated for fall protection must never be used to lift, hang, support, or hoist tools or equipment unless specifically certified for such use.
- Use of a body belt is not authorized for fall arrest applications.
- Work directly under the anchor point as much as possible to minimize swing fall hazards.
- The user must ensure that there is adequate fall clearance when working at height.
- Avoid using the system in applications where engulfment hazards exist.
- If work is conducted in a high heat environment, ensure that Arc Flash or other suitable fall protection equipment is utilized.
- Avoid moving machinery, sharp and/or abrasive edges, and any other hazard that could damage or degrade the component.
- 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.
- Ensure all feet of the tripod are secured with the chain to resist moving, splaying, or shifting from the tripod's set location.
- Always account for the direction and strength of forces on the tripod. Improper forces could cause system to fall over.
- Do not attach any user equipment to the tripod until system is fully assembled, anchored, and adjusted for specific application.
- Do not adjust location, height, or stance of the tripod while in use.
- Do not exceed maximum allowed number of users on the system or capacity of the system.

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## ► 1.0 INTRODUCTION

Thank you for purchasing a Safewaze 7' Adjustable 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.

The 7' Adjustable Tripod is designed to be used as an adjustable anchorage point for fall protection, fall restraint, rescue, confined space, and material hauling. The tripod is suitable for many applications, including Construction, Transportation, General Industry, Oil, Utilities, Trench, Mining, and Rescue work zones.

The tripod can be quickly setup and its height easily adjusted. A Safety Chain and heavy-duty storage bag are included with every tripod. The models included in the 7' Adjustable Tripod series, as well as their configurations, can be found on Pages 10 and 11.

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## ► 2.0 INTENDED USE

The equipment covered in this manual is intended for use as part of a complete personal fall protection 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 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. If the anchor is used for training, a secondary fall protection system must be used so the trainee is not exposed to accidental fall hazards.

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## ► 3.0 APPLICABLE SAFETY STANDARDS

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

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## ► 4.0 WORKER CLASSIFICATIONS

**Read and understand the definitions of those who work in proximity of, or may be exposed to, fall hazards:**

**Qualified Engineer:** A person with a Bachelor of Science in Engineering degree 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:** 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:** 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:** 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 Person or Engineer to supervise the jobsite and ensure safety regulations are met.**

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## ► 5.0 RESCUE PLAN

Prior to the use of this equipment, employers must create a rescue plan in the event of a fall and provide the means to implement the plan through training. The rescue plan must be specific to the project. The rescue plan must allow for employees to rescue themselves or be promptly rescued by alternative means.

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. Immediately seek medical attention in the event a worker suffers a fall arrest incident.

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

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## ► 6.0 PRODUCT LIMITATIONS

When installing or using this equipment always refer to the following requirements and limitations:

- **Capacity Range:** ANSI 130-310 lbs. (59-141 kg) and OSHA up to 420 lbs. (191 kg). \*including clothing, tools, equipment, etc.
- **Anchorage:** Anchorages selected for fall arrest systems shall have a strength capable of sustaining static loads applied in the directions permitted by the system of at least:
  1. 5,000 lbs. (2267.9 kg) for non-certified anchorages, or
  2. Two times the maximum arresting force for certified anchorages.

When more than one fall arrest system is attached to an anchorage, the strengths set forth in one of the above shall be multiplied by the number of systems attached to the anchorage.

**From OSHA 1926.502 and 1910.66:** Anchorages used for attachment of personal fall arrest systems shall be independent of any anchorage being used to support or suspend platforms and capable of supporting at least 5,000 lbs. (2267.9 kg) per user attached. Or, anchorages for attachment should be designed, installed, and used as part of a complete PFAS which maintains a safety factor of at least two and is under the supervision of a Qualified Person.

- **Locking Speed:** The nature of this equipment requires a clear fall path 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.
- **Free Fall:** The distance a user falls before the fall arrester activates. For confined space scenarios, maximum allowable free fall is based on the PFAS used. Limit free fall distance by keeping anchorage in-line with work area.
- **Swing Falls:** As the user moves laterally away from an overhead anchor point, the risks related to swing falls increase. The force of striking an object involving swing fall can in some instances generate more forces than a fall with the user wearing no fall protection equipment. Minimize swing falls by working as directly below the anchorage point as possible.
- **Fall Clearance:** The amount of feet required below the working surface for the personal fall arrest system to work correctly.

Additional Fall Clearance is required for falls from a kneeling or crouched position. If a Swing Fall hazard exists, the total vertical fall distance will be greater than if the user had fallen directly under the anchor point. This manual provides information regarding Swing Fall hazards and additional Fall Clearance Requirements in Section 9.

- **Hazards:** Extra precautions should be taken if this equipment is used in an environment where hazards exist. Hazards can include, but are not limited to, moving machinery, high voltage equipment or power lines, caustic chemicals, corrosive environments, toxic or explosive gases, or high heat. Avoid working in an area where overhead equipment or personnel could fall and contact the user, fall protection equipment, or the lifeline. Areas where the user's lifeline may cross or tangle with the lifeline of another user should be avoided. Do not allow the lifeline to pass under arms or between the legs.
- **Sharp Edges:** Safewaze **Class 1 SRLs** are NOT designed for use in Leading Edge Environments. Should a specific work area have a sharp edge/edges that may come into contact with the lifeline constituent of the SRL, a Class 2 SRL is required.
- Use only the applicable D-ring for intended use.

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## ▶ 7.0 ALLOWED ANCHORAGE APPLICATIONS

**Personal Fall Arrest:** Safewaze Anchors are designed as an anchor point to support a maximum of 1 PFAS when utilized for fall protection applications. The structure to which the anchor is attached must withstand loads applied in the directions permitted by the system of at least 5,000 lbs. (22 kN) or be designed with a safety factor of two to one. Maximum allowable free fall is based on the PFAS used.



**Restraint:** Safewaze Anchors are authorized for use in Restraint applications. The structure to which the anchor is attached must withstand loads applied in the directions permitted by the system of at least 1,000 lbs. NO free fall is permitted. Restraint systems may only be used on surfaces with slopes up to 4/12 (vertical/horizontal). For Restraint applications, the allowable attachment points to the harness are Dorsal, Front/Sternal, Side, and Shoulder D-rings.



**Work Positioning:** Safewaze Anchors are authorized for use in Work Positioning applications. Work Positioning allows a worker to be supported during suspension while freeing both hands to conduct work operations. The structure to which the anchor is attached must withstand loads applied in the directions permitted by the system of at least 3,000 lbs. Maximum allowable free fall is 2 ft. For positioning applications, the allowable attachment points to the harness are the Side D-rings.



**Rescue/Confined Space:** Safewaze Anchors are authorized for use in Rescue/Confined Space applications. Rescue systems are utilized to safely recover a worker from a confined location or after exposure to a fall. Composition of rescue systems can vary based upon the type of rescue involved. The structure to which the anchor is attached must withstand loads applied in the directions permitted by the system of at least 3,100 lbs. NO free fall is permitted for rescue scenarios. For confined space scenarios, maximum allowable free fall is based on the PFAS used. For these applications, the allowable attachment points to the harness are Dorsal, Front/Sternal, and Shoulder D-rings.



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## ► 8.0 PRODUCT SPECIFICATIONS

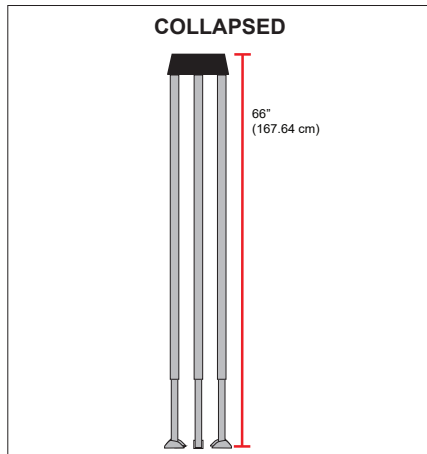
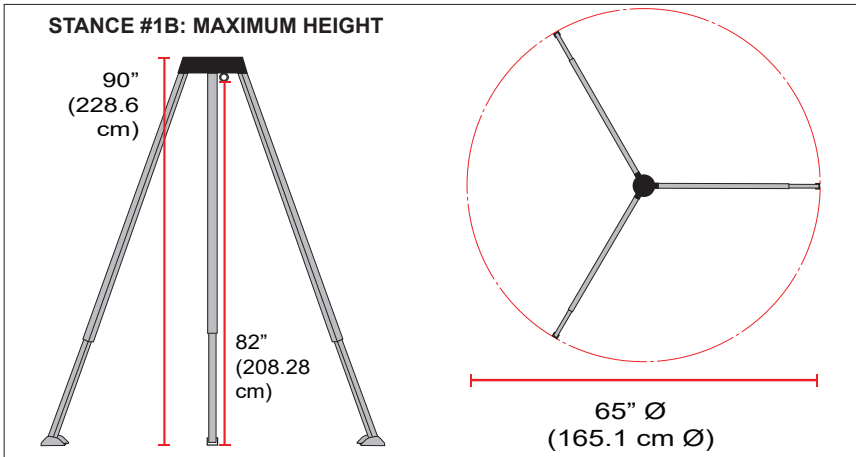
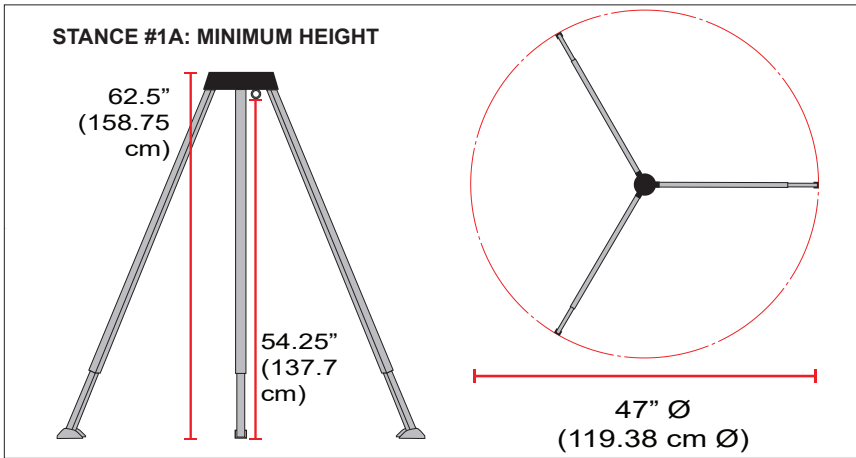
- **Maximum Weight Capacity:** ANSI 130-310 lbs. (59-141 kg) and OSHA up to 420 lbs. (191 kg). \*including clothing, tools, equipment, etc.

**Note:** For Rescue scenarios **only**, 2 users (up to 310 lbs. each) are allowed.

- **System Capacity:** Maximum of 620 lbs. (281 kg)
- **Material Lifting:** Maximum of 620 lbs. (281 kg)
- **Minimum Breaking Strength of Anchor Points:** 5,000 lbs. (22.24 kN)
- **Working Temperature:** -30 °F (-34 °C) to 130 °F (54 °C)
- **Product Weight:** 50 lbs. (22.68 kg)
- **Leg Adjustment Increments:** 6 in. (15.24 cm)
- **Free Fall:** For confined space scenarios, maximum allowable free fall is based on the PFAS used.
- **Collapsed Tripod Dimensions:** Length- 66 in. (167.64 cm), Width- 14 in. (35.56), Depth- 14 in. (35.56)
- **Working Height Dimensions:** Measurements are from working surface to captive eye.
  - Stance #1A: 54.25 in. (137.7 cm) -- minimum working height
  - Stance #1B: 82 in. (208.28 cm) -- maximum working height
- **Maximum Installation Diameter:** 44 in. (111.76 cm)
- **Devices:** See Material Winch, Personnel Winch, and/or 3-Way System manuals for device specifications.



## 7' ADJUSTABLE TRIPOD DIMENSION DIAGRAMS:



## 7' ADJUSTABLE TRIPOD CONFIGURATIONS AND KITS

019-11000



### 7' Adjustable Tripod:

- Tripod with Head Unit
- Pulley (2)
- Captive Eye (2)
- Detent Pins (3)
- Safety Chain
- Manual
- Tripod Bag

019-11001



### 7' Adjustable Tripod Kit: 65' Material Winch

- Tripod with Head Unit
- Pulley (2)
- Captive Eye (2)
- Detent Pins (3)
- Safety Chain
- Manual
- Tripod Bag
- Universal Tripod Bracket
- 65' Material Winch

019-11002



### 7' Adjustable Tripod Kit: 65' 3-Way

- Tripod with Head Unit
- Pulley (2)
- Captive Eye (2)
- Detent Pins (3)
- Safety Chain
- Manual
- Tripod Bag
- Universal Tripod Bracket
- 65' 3-Way System

019-11003



**7' Adjustable Tripod Kit:**  
**65' Material Winch, 65' 3-Way**

- Tripod with Head Unit
- Pulley (2)
- Captive Eye (2)
- Detent Pins (3)
- Safety Chain
- Manual
- Tripod Bag
- Universal Tripod Bracket (2)
- 65' Material Winch
- 65' 3-Way System

019-11004



**7' Adjustable Tripod Kit:**  
**65' Personnel Winch, 65' 3-Way**

- Tripod with Head Unit
- Pulley (2)
- Captive Eye (2)
- Detent Pins (3)
- Safety Chain
- Manual
- Tripod Bag
- Universal Tripod Bracket (2)
- 65' Personnel Winch
- 65' 3-Way System

021-11026



**7' Adjustable Tripod Kit:**  
**65' Personnel Winch**

- Tripod with Head Unit
- Pulley (2)
- Captive Eye (2)
- Detent Pins (3)
- Safety Chain
- Manual
- Tripod Bag
- Universal Tripod Bracket
- 65' Personnel Winch

**TABLE 1: COMPONENT SPECIFICATIONS**

Part Number(s)	Description	Materials
019-11000, 019-11001, 019-11002, 019-11003, 019-11004, 021-11026	7' Adjustable Tripod	Aluminum
N/A	Head Unit	Painted Aluminum
N/A	Captive Eyes	Stainless Steel
N/A	Tripod Feet	Zinc-Plated Steel, Rubber Foot Pads
019-11005	65' 3-Way System/ Universal Mount	Aluminum Housing, Steel/Plastic Crank Handle, Zinc Plated Steel Bracket, Galvanized Steel Cable, YCM Plated Steel Snap Hook
019-11007	65' Personnel Winch	Powder Coated Steel Device, Plated Steel Components, Galvanized Steel Cable, Rubber Handles, Plastic Cover
019-11009	65' Material Winch	Powder Coated Steel Device, Plated Steel Components, Galvanized Steel Cable, Plastic Handle
FS970-PK	Tripod Pulley	Aluminum Pulley Wheel/Body, Steel Pin, Detent Pin, and Bracket
019-9008	Heavy Duty Tripod Bag	Vinyl Bag, Polyester Web Handles
019-11010	Universal Tripod Bracket	Galvanized Steel
019-11017	Tripod Replacement Chain	Zinc-Plated Steel
019-11018	Tripod Quick Link	Zinc-Plated Steel
023-11040	7' Tripod Pulley Bracket, Detent Pin, Bolt (2 Sets)	YCM Plated Steel Bracket, Stainless Steel/ Plastic Detent Pin, Zinc-Plated Bolt

## 9.0 FALL CLEARANCE

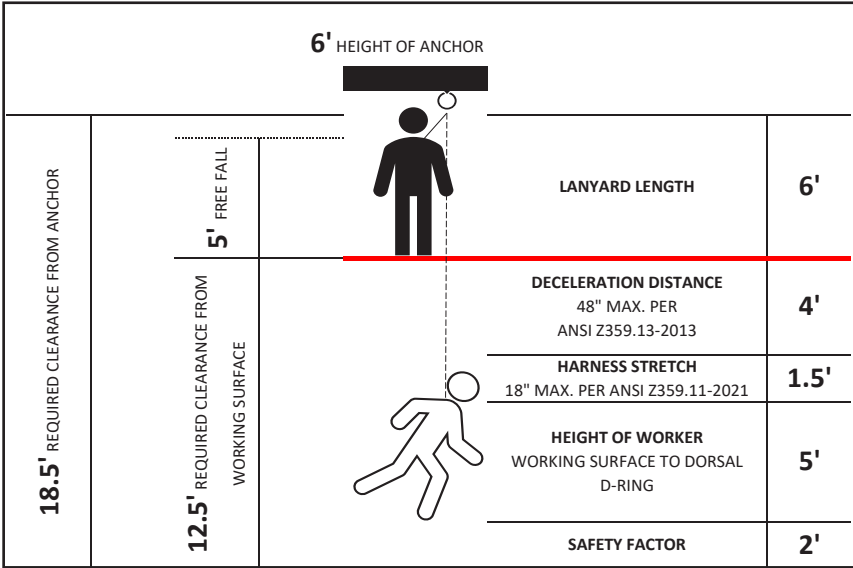
Always select an SRL/lanyard and anchor point location that limits free fall and swing fall as much as possible. Refer to the chosen PFAS system manuals for information on fall clearance. A free fall of more than 6 ft. could cause excessive arrest forces that could result in serious injury or death.

- **Fall Clearance:** There must be sufficient clearance below the anchorage connector to arrest a fall before the user strikes the ground or an obstruction. When calculating fall clearance, account for all applicable factors. A Competent Person must reference the entire system's components to calculate Fall Clearance.

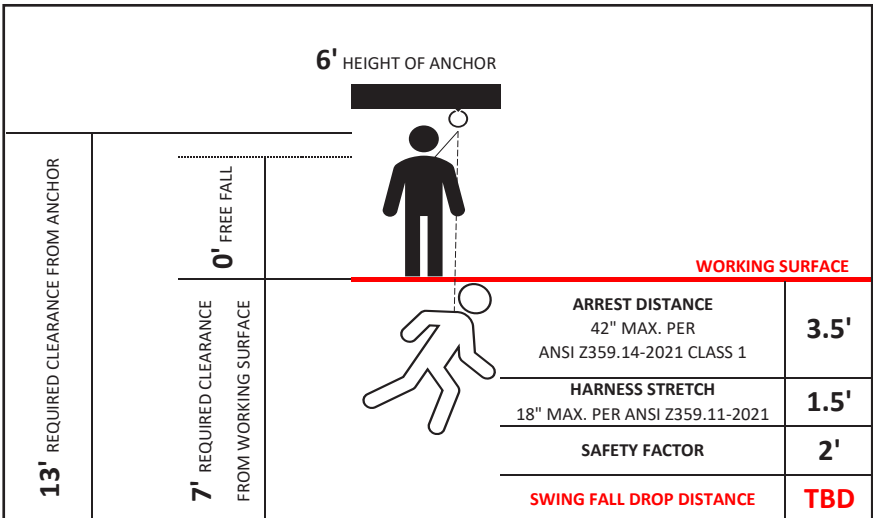
**THE FOLLOWING DIAGRAMS ARE EXAMPLES ONLY.**

**Note: Numbers used in these examples are based on ZERO offset and setback with the anchor directly overhead or below, to represent an in-line Fall Clearance calculation. Consult with a Competent Person when working in different scenarios and when using non-Safewaze equipment.**

**6' FREE FALL LANYARD (OVERHEAD) EXAMPLE**

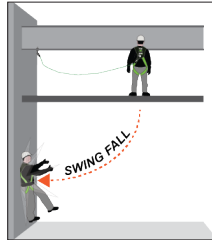


**CLASS 1/CLASS 2 (OVERHEAD) EXAMPLE**



- **Swing Falls:** Prior to installation or use, make considerations for eliminating or minimizing all swing fall hazards. Swing falls occur when the anchor is not directly above the location where a fall occurs. Always work as close to, or in line with, the anchor point as possible. Swing falls significantly increase the likelihood of serious injury or death in the event of a fall (Figure 1). Ensure a Competent Person includes swing fall in calculations if the hazard exists.

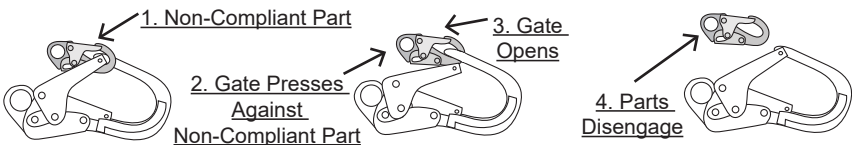
**FIGURE 1: SWING FALL**



## ► 10.0 COMPATIBILITY OF CONNECTORS

- Safewaze equipment is designed for, and tested with, associated Safewaze components or systems. If substitutions or replacements are made, ensure all components meet the applicable ANSI requirements. Read and follow manufacturer's instructions for all components and subsystems in your PFAS. Not following this guidance may jeopardize compatibility of equipment and possibly affect the safety and reliability of the system.
- 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 kN).
- Connectors must be compatible with the anchorage or other system components.
- Do not use equipment that is not compatible. Non-compatible connectors may unintentionally disengage (Figure 2).
- Connectors must be compatible in size, shape, and strength.
- Self-locking snap hooks and carabiners are required by OSHA guidelines.
- Some specialty connectors have additional requirements. Contact Safewaze if you have any questions about compatibility.

**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.

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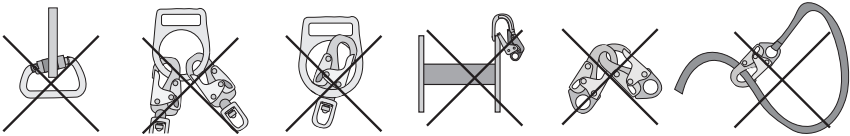
## ▶ 11.0 MAKING CONNECTIONS

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. 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 manual. 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 web 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**



Large throat snap hooks must not be connected to standard size D-rings or similar objects which will result in a load on the gate if the hook or D-ring twists or rotates, unless the snap hook complies with ANSI Z359.1-2007 or ANSI Z359.12 and is equipped with a 3,600 lb. (16 kN) gate.

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## ▶ 12.0 INSTALLATION OF 7' ADJUSTABLE TRIPOD

**Prior to the installation of the tripod**, a Competent Person must determine that the installation location is stable, level, and capable of supporting intended loads on the tripod. The installation location must allow for the PFAS lifeline to be installed directly above the intended work location. Users must be aware of and avoid potential hazards, such as electrical, thermal, chemical, or gaseous. Whenever possible, prepare the 7' Adjustable Tripod away from the work zone and then move it towards the installation location once its erected.

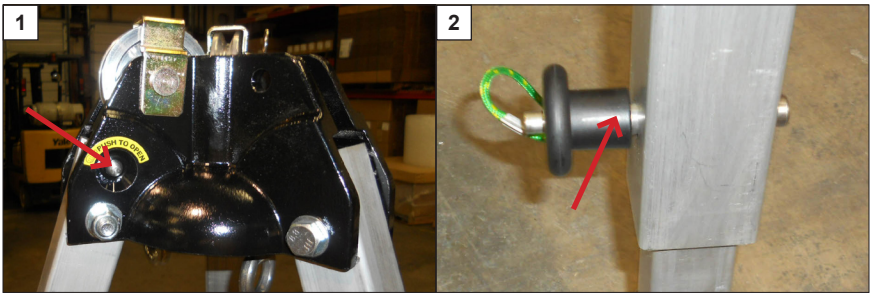
### **Installation Warnings:**

- The tripod must be standing up in its collapsed position (Page 9) prior to making any leg adjustments.
- Do NOT make adjustments to the legs if tripod is lying down.
- Do NOT apply force to the legs of the tripod when the tripod is lying down.

### Installation Steps:

1. Stand the tripod up in the collapsed position (Page 9). Press the locking pin located at the top of a Tripod Leg (1) and simultaneously pull the leg away from the Head Unit until the locking pin locks back into place. Repeat with remaining legs.
2. Remove a Tripod Leg's detent pin (2). Adjust Tripod Leg to desired height and reinstall its detent pin. Repeat with remaining legs.
3. Install any necessary devices onto the Universal Tripod Brackets and connectors onto the Head Unit (Section 13).
4. Connect the tripod legs together using the provided Tripod Replacement Chain. Thread the chain through the holes located at each of the Tripod Feet. Remove all slack from the chain by adjusting the location of the Tripod Quick Link. Ensure all feet of tripod are secured with the chain to resist moving, splaying, or shifting from the tripod's set location.

**Note:** Tripod Replacement Chain MUST be installed to complete installation. Do not use tripod without chain installed.



## ▶ 13.0 CONNECTION POINTS & COMPATIBLE DEVICES

### SRL, Rescue, and Descent Devices:

- The 2 anchor points on the Head Unit can be used to quickly connect devices to the tripod.
- See the specific SRL, Rescue Device, and/or Descent Device manual for usage instructions.

### 3-Way System, Personnel Winch, Material Winch:

- The Universal Tripod Bracket is designed to allow for quick connection and disconnection of up to three Safewaze devices to the 7' Adjustable Tripod.
- One section of the bracket (mounting bracket) comes pre-installed onto the tripod leg. The second component (device bracket) comes pre-attached to the device.

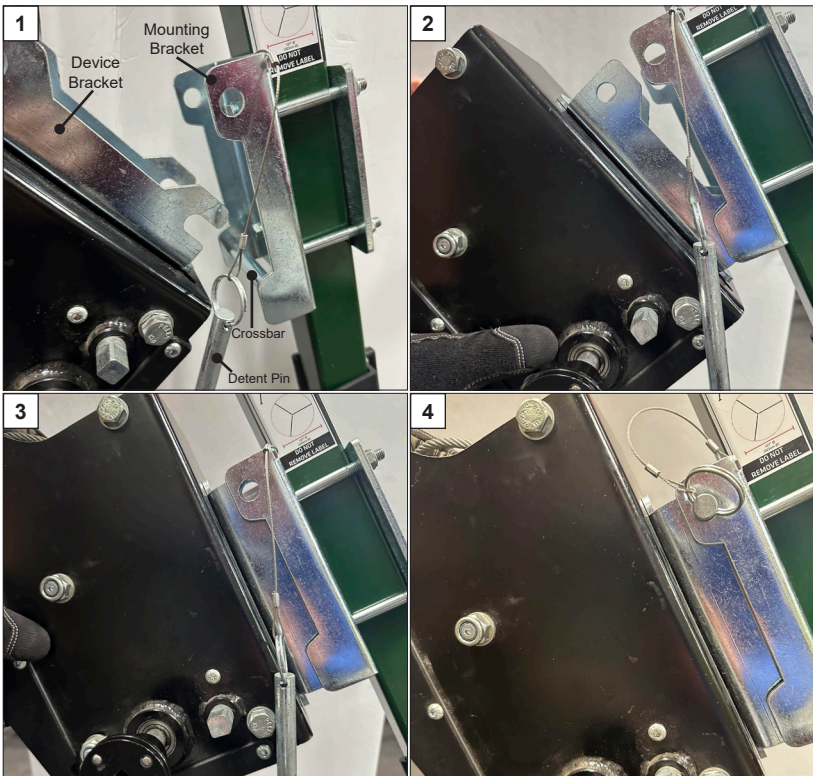
**Note:** Although the mounting bracket comes pre-installed onto a leg of the tripod, it can be adjusted in height and orientation by loosening the lock nuts on the back of the mounting bracket and sliding the bracket up or down the leg section. With the bracket in the selected location on the tripod 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, based on jobsite parameters or user preference.



- Universal Bracket/Device Connection:

1. Remove the detent pin from the mounting bracket and position the device with the lifeline oriented towards the top of the tripod and the device bracket hooks facing down (1).
2. Place the device bracket inside the mounting bracket. Ensure the device bracket hooks are properly seated onto the crossbar of the mounting bracket (2). With the device hooks securely seated on the crossbar, rotate the device upwards until holes in both sections of the bracket are realigned (3). Re-install the detent pin through the aligned holes (4). The device lifeline can now be routed through the Pulleys at the Head Unit (Section 14).

- See the 3-Way System, Personnel Winch, and/or Material Winch manual for usage instructions.



## ▶ 14.0 LIFELINE ROUTING

The 7' Tripod Pulley Bracket has been updated. Therefore, lifeline routing instructions will depend on which Pulley Bracket the user's 7' Adjustable Tripod has. Additionally, any 7' Adjustable Tripods that currently utilize the original bracket can be retrofitted by the user to the new Pulley Bracket (023-11040).

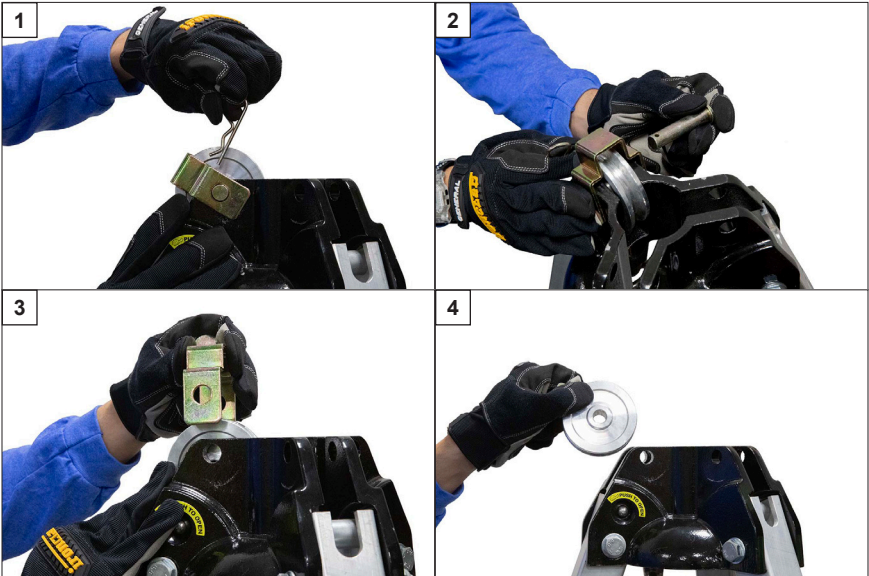
The 023-11040 set includes (2) brackets, (2) detent pins, and (2) bolts. The Pulley itself is not included in the new Pulley Bracket set since the user will keep and reinstall the original pulley during the retrofitting process.

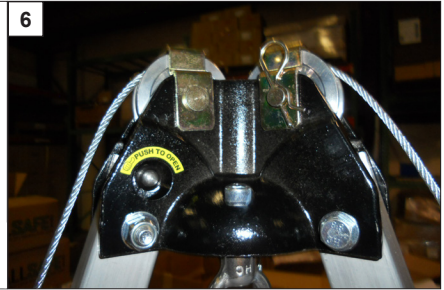
**FS970-PK:**

- The FS970-PK must be removed from the Head Unit prior to routing a device's lifeline through the Tripod.
- To remove\* the FS970-PK:
  1. Remove the cotter pin (1).
  2. Remove the detent pin by pushing the pin through the bracket (2).
  3. Remove the pulley bracket (3).
  4. Remove the pulley (4).

**\*Note:** These steps can also be followed to uninstall the FS970-PK if the user is installing the new 023-11040 pulley bracket.

- To route lifeline after removing the FS970-PK:
  1. Pull enough cable from the device to reach past the Head Unit of the Tripod.
  2. Drop the snap hook through the opening in the Head Unit (5).
  3. Place the cable into the gap where the pulley was seated prior to its removal.
  4. Reinstall the pulley and ensure the cable is routed over the top of the pulley. Place the pulley bracket over the pulley. Reinstall the detent pin and cotter pin (6).

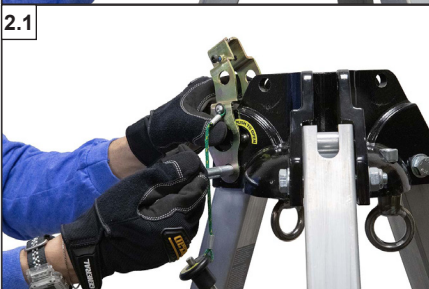


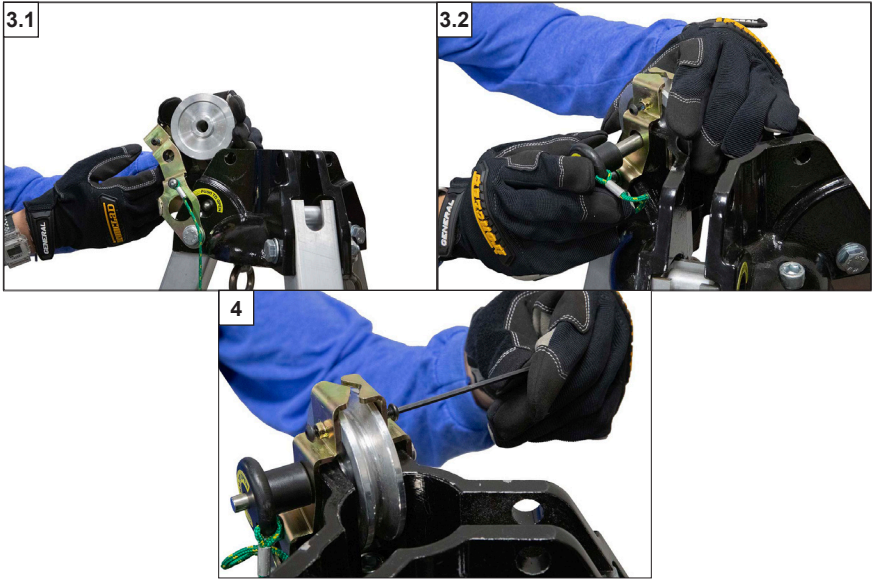


**023-11040:**

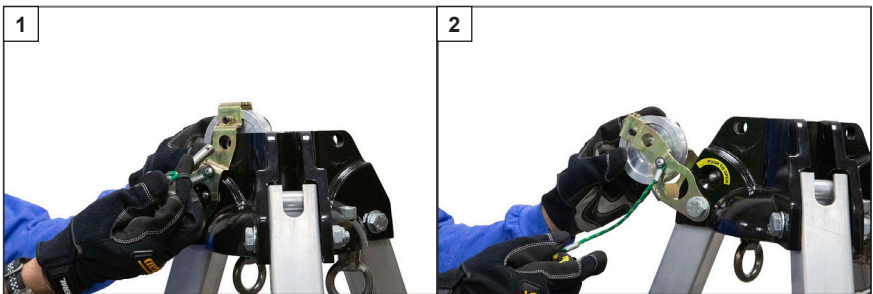
- To install the 023-11040 (if needed\*):
  1. Loosen the bolt from the Head Unit by using two crescent or socket wrenches on both sides of the bolt's ends (1.1). When loose, take the nut off the backside of the bolt, remove bolt, and scrap bolt (1.2). Keep the washer and nut.
  2. Place the new bracket with the original washer and nut and the provided bolt onto the Tripod Leg (2.1). Tighten to 100-130 Nm by using two crescent or socket wrenches on both ends of the new bolt (2.2).
  3. Take the original pulley (FS970-PK) and put the pulley into the new bracket of 023-11040 (3.1). Hold in place with the detent pin (3.2).
  4. Tighten the screws with an Allen wrench. Do not overtighten (4).

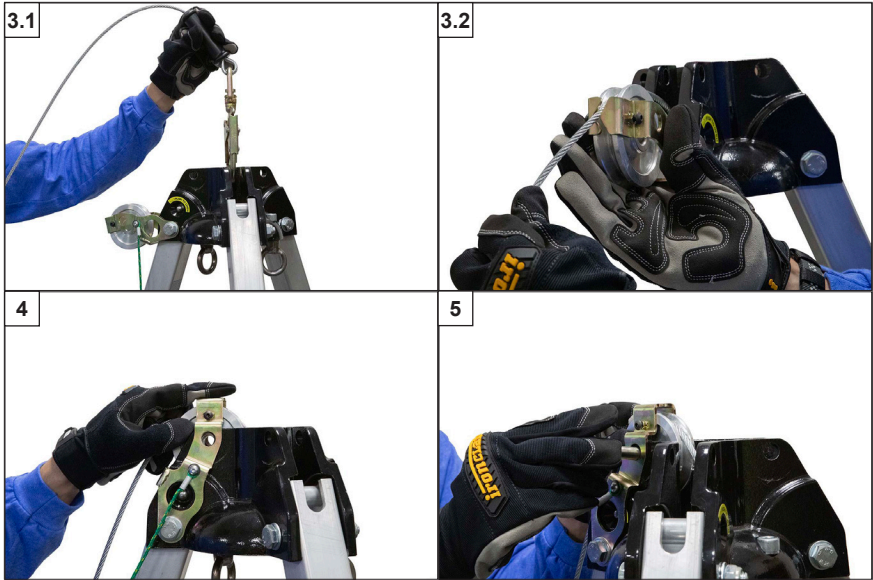
**\*Note:** These instructions are for retrofitting the tripod from FS970-PK to 023-11040. Keep the pulley (FS970-PK), washer, and nut from the original tripod configuration. Scrap the bolt as 023-11040 requires a longer bolt. 023-11040 comes with two screws with pre-applied Loctite on the bracket (started but not entirely tightened to secure bracket to pulley).





- The 023-11040 does not need to be removed from the Head Unit prior to routing a device's lifeline through the Tripod.
- To route lifeline through 023-11040:
  1. Pull enough cable from the device to reach past the Head Unit of the Tripod.
  2. Remove the detent pin of the bracket (1).
  3. Rotate, or flip, the pulley bracket backwards (2).
  4. Thread the snap hook (located at the end of the device's lifeline) through the Tripod Head (3.1) and through the top of the pulley bracket (3.2).
  5. Rotate, or flip, the bracket back into place (4).
  6. Install detent pin (5).





## ► 15.0 INSPECTION & MAINTENANCE

The user must keep instructions available for reference and record the date of first use on Page 2. The user must immediately remove the system from service if defects or damage are found, or if exposed to forces of fall arrest.

### Work Area:

- Inspect the work area to ensure the location is free of any damage including, but not limited to, debris, cracking, rot, decay, structural deterioration, rust, and any hazardous materials.
- A Competent Person must determine that the installation location to be utilized will support the intended loads.

### Frequency:

- A Competent Person, other than the user, must inspect the 7' Adjustable Tripod at least once annually.
- While conducting inspections, the Competent Person must consider all applications and hazards that the equipment may have been subjected to while in use.
- Competent Person inspections must be recorded in the Inspection Log included in this manual (Page 24), 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 the equipment will be initialed in the same manner.
- See Table 2 for more information regarding inspection frequency requirements.

### Directions:

- Prior to each use, inspect the tripod for possible deficiencies including, but not limited to, missing parts, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration, and missing or illegible labels.

- Prior to each use, the user must inspect and verify that each individual component (Figure 4) of the tripod is safe for use:
  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 Tripod Legs 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 the Tripod Legs from moving freely during adjustment.
  3. Ensure the Tripod Feet are present and in good working condition. Feet should swivel freely and not bend or stick.
  4. Inspect Tripod Replacement Chain for any kinks, broken links, corrosion, chemical exposure, or any other damage.

**Note:** Refer to the specific manufacturer's product manual to inspect any devices connected to the 7' Adjustable Tripod.

**TABLE 2: 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

**Repairs:**

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

**Cleaning:**

The tripod can be cleaned with water and mild soap. The user should remove all dirt, possible corrosives, and contaminants from the system prior to, and after, each use. Never use any type of corrosive substance to clean the system. Excess water should be blown out with compressed air. Hardware can be wiped off with a clean, dry cloth. Do not store system if wet or damp. Allow equipment to fully dry before being stored.

**Storage:**

Prior to installation, store the system in a cool, dry area where it will not be exposed to extreme light, extreme heat, excessive moisture, or possibly corrosive chemicals or materials. When not in use, utilize the provided Tripod Bag to properly store each component in the labeled pockets of the Tripod Bag.

**Lifespan:**

The working life of the tripod is determined by work conditions, care, and inspection provided. So long as the system and all components pass inspection, it may remain in service.

**Disposal:**

Dispose of the tripod if inspection reveals an unsafe or defective condition. If damaged and unserviceable, the system should be destroyed so as not to allow accidental re-use.

**FIGURE 4: COMPONENTS INSPECTION**



1	Pulley (2)
2	Label
3	Tripod Legs (3)
4	Chain
5	Head Unit
6	Captive Eye (2)
7	Bag

**▶ 16.0 LABELS**



**SAFEMAZE**  
7 ADJUSTABLE TRIPOD

018-11000  
018-11001  
018-11002  
018-11003  
018-11004  
021-11026

OTHER: \_\_\_\_\_

MEETS ALL ASTM F2276-19 (Standard for Tripods) Requirements  
MAXIMUM HEIGHT: 60.0\"/>

225 Albany Street, Boston, MA 02118  
SAFEMAZE.COM  
800.333.0138



**SAFEWAZE**

**INSPECTION LOG**  
ANNUAL FORM

Inspection Date:	Inspector:	Pass/Fail: ▼▲	Comments/ Corrective Action:
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