

Sellstrom/RTC® Tripod

Installation, Operation & Maintenance Instructions

SM/RTC Tripod

The Sellstrom/RTC (SM/RTC) tripod can be used as an anchorage for fall protection, confined space rescue, or raising and lowering people or material.



WARNINGS



To the Receiver, Contractor, Store Manager, Safety Director, Supervisor, Buyer, or anyone except the ultimate equipment users:

Under Penalty of Law

These instructions are not to be removed except by the user of this equipment. Current instructions must always be available to any potential user. Note: Because of continuous developments in the application and use of SM/RTC equipment and our desire to serve your best interests, these instructions are invalid 10 years after the effective date on these instructions. If these instructions are out of date, call SM/RTC Customer Service and request current instructions.

If you have difficulty or experience any problem with SM/RTC equipment or the instructions, call SM/RTC immediately and ask the Customer Service Department for assistance.

The equipment purchased is designed to be used as a part of a complete fall protection or emergency rescue system and is to be inspected and maintained regularly.

You assume complete liability if you fail to follow these instructions and are injured. Use this equipment only as instructed.

Warning: All SM/RTC equipment should be as part of a complete SM/RTC fall protection or emergency rescue system. If the buyer or user chooses to disregard this warning, he is solely responsible for the safety of the entire system and all users.

Before replacing or adding components to a fall protection or emergency escape system, consult the original manufacturer. OSHA states that any unauthorized substitution or change to a system by the buyer should be evaluated fully or tested by a qualified person before the new system is put into use (see OSHA 1926.500).

All users of this equipment and user's management must read and understand all instructions fully; failure to do so could result in serious or fatal injury.

No fall arrest system can guarantee that you will not sustain injuries if you fall. The most you can expect is that injuries will be

WARNINGS Continued...

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Installation, Operation & Maintenance Instructions

WARNINGS



To the Equipment User:
You must read and fully understand or have the following instructions explained to you before using this equipment. Failure to do so could result in serious or fatal injury.

substantially reduced. Improper use of this equipment will vastly increase your chances of serious injury or death, because misuse builds false security. To achieve the maximum level of safety that this equipment is

capable of providing, all instructions must be followed diligently. This means careful planning of your application and work method.

Atencion: Si usted no puede leer el ingles o si usted no comprende estas instrucciones, favor de consultar su director de seguridad o su supervisor.

Attention: Si vous ne pouvez pas lire l'anglais ou si vous ne comprenez pas les instructions, consultez votre directeur de securite ou votre superviseur.

Achtung: Wenn Sie nicht Englisch lesen können und diese Anweisungen nicht verstehen, dann fragen Sie bitte Ihren Sicherheitsdirektor oder Ihren Aufselher.

Attenzione: Se non leggiere l'inglese o non capite queste istruzioni, per favore rivolgete Vi al Vostro Direttore, responsabile della "Sicurezza sul Lavoro" o al Vostro diretto superiore.

Complete System Components

A complete fall protection system consists of the following components that are arranged to fit the specific work task and control the elevated fall hazard(s):

- **Anchorage**

An anchorage is a secure means of attachment for which the personal fall arrest system is connected. (ANSI Z359.1).

- **Body Support**

A body support is the component of a personal fall protection system that is worn on or around the body. Full body harnesses must be used for all fall arrest systems.

- **Connecting Means**

A connecting means is the link between the body support and the anchorage. It can be a shock-absorbing lanyard, rope grab, self-retracting lanyard or retrieval system. Connecting means will vary depending on the application.

The user must also have a rescue plan and the ability to implement it in the event of a fall.

Note: For continuous protection, more than one system may be needed.

Warning



No other applications or methods of use are allowed without written approval.

Sellstrom/RTC® Tripod

Installation, Operation & Maintenance Instructions

1.0 Approved Application	<p>The Sellstrom/RTC (SM/RTC) tripod can be used as an anchorage for fall protection, confined space rescue, or raising and lowering people or material. Use the tripod only on level surfaces. Do not use tripod in icy or slippery conditions.</p> <p>The surface that supports the tripod must be capable of supporting a minimum of 3,600 lb. when certification exists, or 5,000 lb. in the absence of certification. (See ANSI Z359.1 for definition of certification.) When more than one personal fall arrest system is attached to an anchorage, the anchorage's</p>	<p>strengths above shall be multiplied by the number of personal fall arrest systems attached to the anchorage. This requirement is consistent with OSHA requirements as follows: 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 lb. per user attached, or be designed, installed and used as part of a complete PFAS which maintains a safety factor of at least two and is supervised by a qualified person.</p>
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2.0 Available Models	<p>5500-AT7 7' Adjustable tripod with tote bag and one pulley assembly.</p> <p>5500-AT7N 7' Non-adjustable tripod with tote bag and one pulley assembly.</p>	<p>5500-AT10 10' Adjustable tripod with tote bag and one pulley assembly.</p>
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3.0 Performance Data	<p>The SM/RTC tripod meets OSHA and ANSI requirements for a 5,000-lb. anchorage. The SM/RTC tripod's triple-hanging plate will accommodate two SM/RTC fall arrest systems, such as self-retracting lanyards,</p>	<p>Extricators®, or shock-absorbing lanyards. An SM/RTC Manload® winch may also be attached to the tripod for raising or lowering people or materials.</p>
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4.0 Training	<p>Conduct training under careful and competent supervision. Live hands-on training for all users is essential to learn the capabilities and limitations of their personal protective equipment. Training also promotes confidence and should be</p>	<p>conducted as an introduction, then periodically for review and practice. This instruction booklet should be stored where users can review it easily whenever necessary.</p>
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Sellstrom/RTC® Tripod

Installation, Operation & Maintenance Instructions

5.0 Installation and Attachment

5.1 Remove tripod from tote bag.

5.2 Inspect tripod according to section 7.0.

5.3 Extend the tripod legs to the desired length. Secure with the pins provided, locking the pins with the keepers.

5.4 Raise the tripod head and spread legs fully ensuring that tripod feet are on firm, flat ground. Install only on a flat surface.

5.5 Confirm that the locking plate on the tripod head has rotated into position, locking the legs in place.

6.0 Operation

The user must inspect the tripod and all other fall protection or confined space equipment before each use.

6.1 Self-Retracting Lanyards: Attach self-retracting lanyards to the triple hanging plate using a carabiner.

6.2 Extricators®: Attach Extricator to tripod leg, with the Extricator bracket, as shown in the Extricator instructions. Thread the cable around the pulley attached to the triple hanging plate.

6.3 Manload® Winch: Attach winch to tripod leg with the Manload bracket, as shown in the Manload instructions. Thread the cable around the pulley attached to the triple hanging plate.

6.4 Pulley: The SM/RTC pulley must be attached from its top installation hole to the tripod using the pin provided.

Step 1: Ensure that the floor opening or fall hazard is covered.

Step 2: Remove the cotter pin and attachment pin from the pulley.

Step 3: Insert the cable between the plates and over the pulley wheel.

Step 4: Replace the pulley with the line in place, connect to the tripod hanging plate.

Step 5: Replace the cotter pin securely and make sure the line runs freely in both directions.

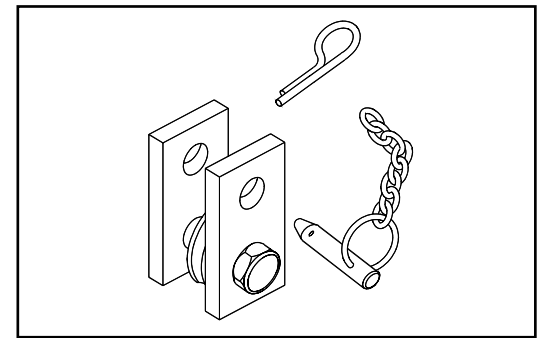


Figure 1

6.5 Fall protection for attendant: The tripod triple-hanging plate may be used also as an anchorage for the attendant.

6.6 In the event of a fall, remove the tripod and all fall protection equipment from service. Mark "DO NOT USE" until the equipment can be inspected by a qualified person. Contact SM/RTC Customer Service for advice.

Sellstrom/RTC® Tripod

Installation, Operation & Maintenance Instructions

7.0 Inspection

The user must inspect the tripod and all other fall protection or confined space equipment before each use. In addition, a competent person other than the user must inspect the tripod at least every six months.

Warning



If damage is found or you have questions or any doubts about the equipment's condition, do not use the equipment. Mark "DO NOT USE" and contact SM/RTC Customer Service for advice.

7.1 Head Assembly:

1. Check head assembly for wear and cracks.
2. Check leg-locking plate to ensure proper movement and locking properties.
3. Check spring on leg locking plate for proper function.
4. Ensure all threaded connections are secure.

7.2 Tubular Legs:

1. All legs must be straight.
2. Check all legs for sharp edges, burrs, distortions, abrasions, cracks, and corroded or pitted surfaces
3. Inspect for severe indentations on legs in area of leg-locking plate.
4. Ensure that leg-locking pins are installed and show no signs of wear.
5. Ensure free movement of inner leg tube within the outer leg tube.

7.3 Tripod Feet:

1. Check all attachment hardware for wear.
2. Check rubber sole for proper placement and wear.

7.4 Set Up:

1. Extend legs to fullest extension point.
2. Erect tripod to upright position.
3. Check to ensure legs are locking properly within head assembly.

8.0 Maintenance

If the tripod becomes heavily soiled, it may be wiped clean with a cloth. A light lubricant may be applied to the pivot points. (Refer to section 7.0 for regular inspection information.)

Store in a cool dry place.

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Installation, Operation & Maintenance Instructions

9.0 Special Warnings

9.1 Never substitute parts of the SM/RTC tripod.

9.2 Do not use this equipment in violations of any applicable company, state, or federal standard or requirement.

9.3 Remove tripod and all fall protection equipment from use after a fall. A qualified person must inspect the entire system according to these instructions before returning to use. Contact SM/RTC for repair or replacement.

9.4 Never allow unauthorized parts to be used in or on the tripod.

9.5 Never permit usage where a swing-fall hazard may occur.

9.6 Anyone who has a history of back or neck problems that could be aggravated or complicated by using SM/RTC equipment should not do so. Pregnant women and minors should not use this equipment. If there is any reason why you may not be physically able to safely absorb the forces subjected to the user in the event of a fall arrest, consult your doctor.

9.7 If you have any questions or need additional explanation or clarification about the use of any SM/RTC equipment, call SM/RTC Customer Service.

10.0 Inspection and Maintenance Log

Part Number:									
Inspector									
Date									
Inspection Items:									
Head									
Locking Plate									
Legs									
Pins									
Feet									
Pulley									
Labels									
Other									

