

Sellstrom/RTC™ 2008 Retractor®

Installation, Operating & Maintenance Instructions

SM/RTC® 2008 Retractor®

The Sellstrom/RTC (SM/RTC) 2008 Retractor® is a self-retracting lanyard designed for vertical fall arrest where fall hazards exist. The lanyard is designed to extend as a worker moves vertically down from the unit and retracts automatically when the worker moves back up toward the unit. The retracting feature helps minimize tripping hazards and long falls often associated with lanyards and other lifelines.



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 If you purchase a product, and these instructions are out of date, call SM/RTC customer service and request current instructions. Dial toll free (800)323-7402 (U.S. and Canada) or (847)358-2000.

If you have difficulty or experience any problem with SM/RTC equipment or the instructions, call the above toll-free number or (847)358-2000 immediately and ask the customer service department for assistance.

It is the responsibility of the user's management to review these instructions periodically, and to

ensure compliance with every requirement to maintain the system's designed integrity. The equipment purchased is designed to be used as a part of a complete fall protection system and is to be inspected and maintained regularly.

You assume complete liability if you fail to follow these instructions and are injured. Your Worker's Compensation Benefits may be reduced because of your failure to use safety devices correctly.

A "no" answer to any question on the Safety Checklist on the back page of these instructions, either before or during product use, is an unsafe use of this equipment. Use this equipment only as instructed.

WARNINGS Continued...

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Installation, Operating & 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.

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 Aufselderher.

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.

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.

It is not unusual for lanyards, lifelines, harnesses, or other fall protection equipment to become misplaced or rendered unusable at different times. Before replacing or adding components to a fall protection or emergency escape system, consult the original manufacturer. Federal OSHA further states that any unauthorized substitution or change to a system by the buyer should be fully evaluated or tested by a qualified person before the new system is put into use (see OSHA 1926.500).

All potential 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 a fall occurs. The most you can expect is that injuries will be substantially reduced. What you can be sure of is that 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.

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 Point: Supplied by customer as specified in the appropriate instruction booklet for each device (SM/RTC tripods and davits not included).
- Body Support: Request SM/RTC instruction #569 for SM/RTC full body harnesses.
- Connecting Means: Request the accompanying instruction booklet for each device or #567 for lanyards.

- Connecting Links: Used for installation or attachment of an SM/RTC system. Request SM/RTC instruction #574 for SM/RTC Snaphooks and Carabiners.
- Rescue Plan: The user must have a rescue plan and the means at hand 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 Prior Written Approval.

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1.0 Approved Application

1.1 The SM/RTC Retractor is a retracting lanyard designed for vertical fall arrest where fall hazards exist. The lanyard is designed to extend as a worker moves vertically down from the unit and retracts automatically when the worker moves back up toward the unit. The retracting feature helps minimize tripping hazards and long falls often associated with lanyards and other lifelines.

1.2 Typical Applications of the SM/RTC Retractor are as follows:

1.2.1 Vertical Protection: Retractors may be used as an automatic taut lanyard for workers on stock pickers, rigs derricks, roof slopes, towers, vessels, tank cars, bins, silos, quarries, and shaft pits.

1.2.2 Two-dimensional Protection: Retractors may be used in conjunction with a Rail Walker® horizontal rail system or a horizontal lifeline system to provide protection laterally and vertically. Refer to the appropriate instructions provided with the SM/RTC RailWalker® (Instruction 519), SM/RTC Permacable® Horizontal Lifeline System (Instruction 554), or SM/RTC Beamwalker® Horizontal Lifeline (Instruction 550).

1.2.3 Three Dimensional Protection Retractors may be used in conjunction with an SM/RTC Sky Anchor® to provide protection laterally, vertically, and horizontally. Call SM/RTC for additional information about the Sky Anchor.

Danger



Never use the SM/RTC Retractor for fall protection when working on surfaces that can collapse such as grain, cement, and powders in tanks and silos. The Retractor may not sense that you are “falling” and you could sink in and suffocate. A working surface that is stable must be provided for such applications.

Warning



Do not use with a body belt or chest harness. The Retractor must be used with an SM/RTC Full Body Harness.

Continued...



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Installation, Operating & Maintenance Instructions

1.0 Approved Application *Continued*

1.3 Polyester Webbing Lanyards: These lanyards must be used with special considerations. No use is permitted in the following cases:

1.3.1 Welding: The opportunity for burning holes or cutting polyester webbing by melting is too risky. Any application reasonably involving hot contact in excess of 140° F is prohibited.

1.3.2 Glazing: A cutting action across a sharp glass edge could be disastrous. Never use around glass windows or other glass-like panels that could provide a cutting edge with potentially disastrous consequences.

1.3.3 Sharp Edges: Never use where contact of the webbing with sharp edges or corners is likely during a fall. If the webbing were

separated, a cut in the lanyard would be disastrous in a fall incident.

1.3.4 Paint and Chemicals: The polyester webbing is subject to stiffening and strength degradation. Stiffening will inhibit retraction into the device creating dangerous free fall producing slack which the Retractor has not been designed to accommodate. For this reason, any use around paint over-spray, or strong solvents, alkalis and certain strong acids is not recommended. For acidic environment use, contact SM/RTC for advice.

1.3.5 Prolonged UV light and Radiation Exposure: This may weaken the webbing if, for example, the line is left extracted for periods of time outdoors. Prolonged exposure to strong sunlight is not advised because of progressive degradation of the line.

2.0 Operating Characteristics

2.1 Operation: The SM/RTC Series Retractor contains polyester webbing attached to a spring-loaded drum that is designed to automatically rewind the webbing when tension is relieved. An inertia locking mechanism is activated when the webbing moves quickly out of the unit, such as when it is pulled sharply or a free fall occurs. The Retractor is designed to remain locked until

the tension is relieved. The SM/RTC Retractor operates much like "user-activated" automobile seat belts.

2.2 Standards Compliance: The SM/RTC Retractor complies with American National Standards Institute Standard Z359.1, A10.14, OSHA 1926.500, and 1910.66.

3.0 Performance Data and Material Specification

3.1 Designed Working Load: 75-310 lb. or one person. Do not use for material handling.

3.2 Maximum Arresting Force: 1800 lb. or less in accordance with ANSI Z359.1

3.3 Arresting Distance: 42" or less in accordance with ANSI Z359.1

3.4 Line Constituent: Polyester webbing, 1⁷/₈" wide.

3.5 Line Length: The line length is indicated on the product label.

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4.0 Installation and Attachment

4.1 Installation or attachment must be done according to the instructions below and any enclosed diagrams.

4.2 Anchorage Strength: All anchorage points 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 strengths above shall be multiplied by the number of personal fall arrest systems attached to the anchorage. This requirement is consistent with OSHA requirements which read, "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 personal fall arrest system which maintains a safety factor of at least two and is supervised by a qualified person."

4.3 Connection: Using the SM/RTC Installation Snap Hook: A locking SM/RTC installation carabiner such as the SM/RTC 9111 can be used to attach the SM/RTC Retractor to a suitable, overhead anchorage point. (See section 4.2 above.) Make sure the carabiner is secure and closed completely.

4.4 Location:

4.4.1 Overhead Installation: Select an Anchorage that is at least 7' above the walking working surface so that there is no slack in the webbing when connected to the user's full body harness.

4.4.2 Alternative Installation: Mounting the Retractor lower than 7' requires that the structure must have support members (guard rails) that will have the height and strength to function as bearing points for the retractable line in the event of a fall. The support members must have sufficient strength to support the force of the line bearing against it at any point and direction of possible fall. The user must be surrounded by these support members in the direction of all possible falls. **Edges must be smooth!** Structure must be prevented from tipping over. (For example, bucket trucks)

4.5 Clearance: For rigid anchorages, allow a minimum of 4 1/2' of clearance below the walking or working surface to the first obstruction. Additional clearance is needed for use with a horizontal lifeline system. If work is not done directly under the anchorage, additional clearance must be available for additional free fall due to a swing fall.

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5.0 Training

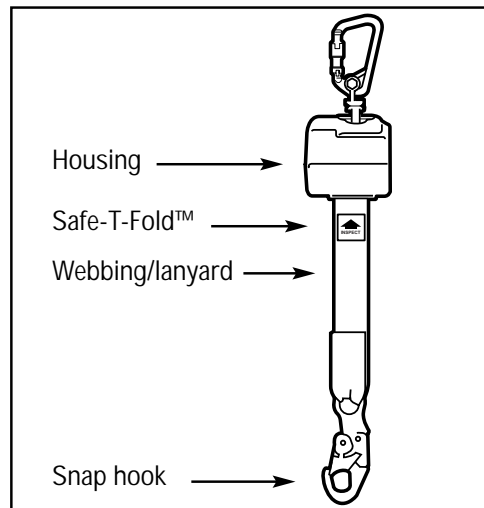
All training must be conducted under careful and qualified supervision. Live hands-on training for all users is essential to help understand the capabilities and limitations of their personal protective equipment. Training also helps promote confidence and should be conducted as an initial introduction as well as periodically for review and additional practice. Also, this instruction booklet should be stored where users can easily review it whenever necessary. Following is a suggested list of training objectives. Training should be site specific and may need to cover more topics than are listed here.

- Recognize fall hazards, and eliminate the hazard where possible.
- Know the three parts of a fall arrest

system: Anchorage, Body Support, and Connection.

- Select the proper equipment for each application.
- Consider environmental and other workplace factors.
- Avoid incompatible connections and snap hook rollout (burst-out).
- Determine and reduce free fall distances.
- Lower the maximum arresting force.
- Properly fit a harness.
- Select an appropriate anchorage.
- Implement a pre-determined rescue plan.
- Inspect and maintain equipment.
- Understand the limitations and requirements of the equipment.
- Understand the consequences of not following, or understanding these instructions.

6.0 Inspection



6.1 Inspection Frequency: All equipment must be inspected before each use and at least monthly by a third party competent person (not the user). (ANSI Z359.1) Detailed inspection records must be kept. An inspection chart is provided at the end of these instructions for your convenience.

Equipment used in harsh environments requires more frequent formal inspection. (For example, caustic or corrosive environments.)

6.2 Corrective Action: If damage is found as described below, remove the item from service immediately and replace it. If any damage or questionable conditions are apparent that are not described below, remove the item from service, replace it and call SM/RTC Customer Service for advice.

6.3 Failure to remove equipment that has been damaged or where its condition is questionable could lead to serious or fatal injury. A detailed record of inspections must be maintained.

Continued...

Sellstrom/RTC™ 2008 Retractor®

Installation, Operating & Maintenance Instructions

6.0 Inspection *Continued*

6.4 Locking Mechanism: Test the locking mechanism of the Retractor by pulling sharply on the webbing. The Retractor should lock quickly and remain locked until the webbing is released. The webbing should retract smoothly back into the unit.

6.5 Anchorage and Attachment: Make sure the attachment to the anchorage is secure. The structure to which the Retractor is attached must be checked. Make sure it is secure and free from distortion, cracks or other visible signs of damage. Painting approved anchorages with a bright color can help workers to easily identify where to connect the unit.

6.6 Housing and Hardware: Visually inspect all housing hardware, nuts, bolts, etc. for wear and defects. Inspect the swivel at the top of the Retractor. Make sure that the nuts are secure. Check for distortion, corrosion, abrasion, cracks or other signs of visible damage.

6.7 Drum: Pull the entire length of webbing away from the housing. Look into the unit. Check for cracks or distortion in the plastic drum and the metal frame.

6.8 Polyester Webbing: The entire length of webbing must be inspected for cuts, burns, holes, chemical attack, paint, frayed stitching, and any other sign of wear or damage. Sewn terminations must be secure, complete and not visibly damaged. Begin at one end and bend a portion (6-8 inches) into a U-shape between your hands. Check both sides and all straps along the entire length of the lanyard. **Any unit with noticeable cuts or abrasions must be removed from service.** Contact SM/RTC Customer Service to arrange for repair. Detailed examples of visual signs of harmful exposure are summarized in Table 1.

6.9 Snap Hooks and Carabiners:

6.9.1 Snaphook and Carabiner Body: All snaphooks and carabiners must operate smoothly and open and close completely. Check snaphook or carabiner body for sharp edges, burrs, distortion, cracks, corroded or pitted surfaces.

6.9.2 Snaphook Rivets: Should be checked for cracks, broken, loose, or bent conditions.

Continued...

Type of Webbing	Heat	Chemicals	Flame or Molten Metal	Paint and Solvents	Dirt and Grit
Polyester	Fibers become brittle and will shrivel and turn brown in color and break when flexed; should not be used above 140° F.	Fibers change color and texture similar to a brownish smudge or smear; will become less elastic with transverse cracks resulting from bending.	Fiber strands fuse together, become hard, brittle and shiny in appearance.	Paint can penetrate into the weave and dry causing the webbing to become hard, brittle and eventually break the fibers. Solvents and drying agents within paint cause damage similar to chemical exposure.	Particles work into the weave and can cut and fray fibers.

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6.0 Inspection Continued

6.9.3 Snaphook and Carabiner Gates: Should be free from distortion and binding, and seat properly against the snaphook or carabiner noses and body when released. Check that gate does not open without depressing the gate keeper toward the back of the snaphook or carabiner body.

The gate and gate keeper spring should be sufficient to completely and firmly close. Carabiners should freely rotate into the locking position when released.

6.10 Labels: Labels must be secure and legible.

6.11 Safe-T-Fold™: The Safe-T-Fold™ stress indicator is incorporated into the lanyard. It unfolds when the Retractor has experienced the forces of a fall arrest. The Safe-T-Fold™ stress indicator unfolds to display the message, "Caution! Stressed! Do not use!". Inspect the Safe-T-Fold carefully. If any portion of the message is displayed or the stitches have broken, the Retractor must be removed from service. Contact SM/RTC Customer Service to arrange for repair.

6.12 Full Body Harness: Follow SM/RTC Instruction #569 for proper inspection of body support mechanisms.

2008 Series Retractor®

Retracting Web Lanyard

Meets ANSI Z359.1-1992 and A10.14 Type I, and OSHA 1926.500, Subpart M, and 1910.66, Appendix C, requirements for fall arrest.

The Retractor® can be used with any SM/RTC full body harness. Snaphook must close securely – check before each use.

Install SM/RTC-2008 securely above head. Attachment to anchorage point (minimum strength: 5,000 lbs.) must comply with SM/RTC instruction #533. For horizontal lifeline application see SM/RTC instruction #554.

Test the Retractor® before each use by pulling line sharply to ensure that the device locks. Inspect before each use. Must be inspected by a competent person monthly.

⚠ WARNING

Remove immediately from service...

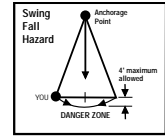
- If Safe-T-Fold™ stress indicator is opened, revealing any part of the message "Warning! Do Not Use!"
- If any damage is observed.
- After a fall.
- If beyond next inspection date or expiration date

Read and understand all SM/RTC labels and instructions included with equipment at time of shipment from manufacturer before use. To request instructions, call (800) 323-7402 or (847) 358-2000.

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2008-TLAB005R-Rev 2

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The Technology Leader in Fall Protection Systems™

2008 Series Retractor®



Ensure that no method of use can cause a swing fall likely to produce an injury.

- For personal fall arrest use only.
- For one person only.
- Not for work positioning or leaning.
- Never rely on Retractor® for fall arrest protection while standing on any surface that may foreseeably collapse.

Designed working load limit is 310 lbs. including tools. Maximum arrest force is 900 lbf. Device arrests within 42 inches (exceeds standards).

⚠ WARNING

Do Not Use After Expiration Date!

Improper use or maintenance of this device could result in serious injury or death from falling.

This product must be inspected, and recertified by SM/RTC before the expiration date shown to ensure its continued serviceability. Call for return authorization.

1 3/4" Poly Web

Lanyard length:

9 ft.

Model #

2008-PH09 _____

2008-PS09 _____

2008-PC09 _____

Other _____

Serial #:

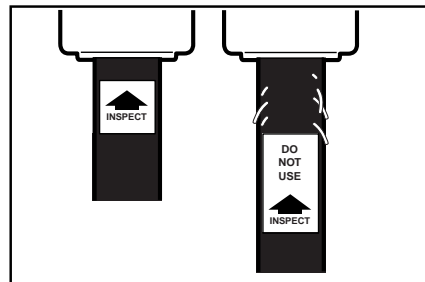
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2008-TLAB004R-Rev 2

Mfg Date J F M A M J J A S O N D 98 99 00 01 02 03

Exp Date J F M A M J J A S O N D 00 01 02 03 04 05



Safe-T-Fold™

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7.0 Operating Instructions

You must follow these instructions carefully to allow this system to provide you with needed fall protection during the job. If you have any concerns regarding the condition of the system or experience any problems, notify your supervisor or the safety department immediately. Never take any chances.

Danger



- DO NOT USE IF LANYARD DOES NOT RETRACT.
- DO NOT USE IF LANYARD DOES NOT LOCK.
- DO NOT USE IF SAFE-T-FOLD™ IS OPEN.

You must understand and follow all of the warnings at the end of this instruction booklet.

7.1 Before each use, test the locking mechanism of the Retractor by pulling sharply on the webbing. The Retractor should lock quickly and remain locked until the webbing is released. This Retractor works a lot like the seat belt in your car or truck. Do not use the Retractor if it does not lock when pulled sharply.

7.2 Visually inspect the Retractor, webbing, hooks, Safe-T-Fold™, and the anchorage (refer to the inspection section of this instruction for details). Check the inspection log before each use. If the log does not show that a formal inspection has been performed within the last month, remove the Retractor from use and mark it, "DO NOT USE" until a formal inspection is done by a qualified person.

7.3 Adjust your harness to fit very snugly (refer to SM/RTC instruction #569 for details). A proper, snug and secure fit can help reduce the chances of falling out of your harness.

7.4 Attach the Retractor to your back harness D-ring using the SM/RTC locking snap hook or webbing loop provided at the end of the webbing. The snap hook or loop must be attached to the back D-ring that is located between the shoulder blades. Do not use any other D-ring. Attach while at ground or grade level before you are exposed to a fall hazard. Make sure the snap hook closes and locks completely. Any harness used must be in good condition and meet federal OSHA requirements. Check with your supervisor or the safety department if you are not sure. D-rings must have a minimum internal diameter of two inches (2"). No other linkage or method of attachment is allowed. Never connect the Retractor to more than one person. The Retractor is a one-person device.

7.5 After you are connected, work normally with smooth movements. Do not jump across floor openings or fall hazards. If you move too quickly, the Retractor will lock. If this happens, move toward the Retractor to release the lock and then continue to work. The Retractor should be anchored or attached so that it is overhead when you are working. You must not work in a position where a swing fall could lead to an injury (see illustration and explanation in the warning section of this booklet).

Continued...



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Installation, Operating & Maintenance Instructions

7.0 Operating Instructions

Continued

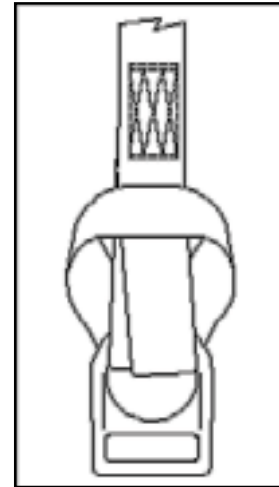
7.6 Important: If you fall, immediately report what happened to your supervisor or the safety department. Remove the item from service, replace it and call SM/RTC Customer Service for recertification or repair. The entire system must be checked by a qualified person to make sure it will provide the proper protection for the next person who might fall. Do not delay; it could be you.

7.7 Never interfere with the automatic retraction of the Retractor; do not use the Retractor if the webbing has been knotted or if anything has been attached to the webbing that could prevent retraction properties of the device. Slack webbing could result in a long, dangerous free fall.

7.8 Web Loop Termination: Inspect loop carefully before each use for tears, cuts, fraying, or other signs of damage. The loop must be removed from the harness to inspect both sides of the webbing, especially

any portion of the webbing that has come in contact with a metal D-ring. Attach lanyard to harness as shown before donning harness and before connecting the Retractor to the anchor point.

7.9 Webbing must always be taut to prevent free fall.



Web Loop Termination

8.0 Maintenance

8.1 Frequency: Personal protective equipment must be maintained regularly to ensure that the equipment will operate properly when needed. Failure to maintain and store equipment carefully can result in poor operation that could lead to serious or fatal injury.

8.2 Cleaning: The unit can be wiped down with a clean cloth to remove any dust or dirt. The webbing can also be wiped to remove hand grease or dirt.

8.3 Lubrication: DO NOT LUBRICATE THE RETRACTOR! The snap hook and carabiner may be lubricated with a suitable lubricant that will not attract dirt and grit. (See SM/RTC instruction #574.)

8.4 Reconditioning and Repair: There are no user serviceable parts in the Retractor. All repairs must be made by SM/RTC. The equipment must be returned to SM/RTC regardless of the degree of use after two years or when...

- A fall occurs
- The Safe-T-Fold™ has opened.

Return immediately if no time period is shown on the label. Call SM/RTC Customer Service before returning a unit to SM/RTC for inspection or repair.

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9.0 Trouble Shooting guide

Concern	Probable Cause	Field Action: What to Do
Low Retraction	Weakening of the spring may occur, because of long periods of spring extension.	Make sure that the only snap hook is approved by SM/RTC; heavier hooks produce sluggish or no retraction if they are much over 2-lb. Weight. If webbing will not remain taut, remove unit from service. Mark "DO NOT USE". Call SM/RTC customer service to arrange for repair or replacement.
Webbing will not retract fully.	Retracting lanyards have this intermittent stop-retracting phenomenon due to build up of webbing on one side of the webbing drum and it usually occurs close to complete retraction. However, it mostly occurs on an occasional basis but gets more frequent if the webbing is allowed to get dirtier and stickier.	Check for kinks in the webbing that inhibit retraction especially toward end of webbing when working around metal structures. For severe webbing damage, SM/RTC will need to replace webbing. For paraffin or dirt, wipe with clean rag frequently. When webbing will not retract fully, remove unit from service. Mark "DO NOT USE". Call SM/RTC customer service to arrange for repair or replacement.
Webbing Cable will not pull further from unit or retract.	Plastic drum may be cracked or damaged. Rewind spring may be broken.	Mark "DO NOT USE". Call SM/RTC customer service to arrange for repair or replacement.
Webbing locks too quickly	Sometimes this is an impression rather than a fact.	Move fluidly around on job site without jumping or abrupt movement of any kind to avoid unnecessary locking. Be careful at or near full extension in order to expect sudden stop in webbing payout.
Webbing will pull out fully but will not retract.	Spring or spring rivet is broken. Units should lock normally.	Mark "DO NOT USE". Call SM/RTC customer service to arrange for repair or replacement
Unit does not lock.		Mark, "DO NOT USE". Call SM/RTC customer service to arrange for repair or replacement.
Call SM/RTC at 1-800-323-7402 / 847-358-2000 for more information.		

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Installation, Operating & Maintenance Instructions

10.0 Warnings

10.1 Failure to observe the warnings below, follow all instructions in this booklet, or seek qualified assistance, can lead to serious or fatal injury.

10.2 Always inspect equipment before each use.

10.3 Never attempt to make any repairs, alterations, or adjustments to SM/RTC equipment. All problems or concerns must be reported to SM/RTC Customer Service.

10.4 Do not interfere with the retraction capability of this Retractor in any way. Do not knot, clamp, or tape the webbing to keep it from retracting back into the unit. The webbing must be allowed to retract automatically; otherwise dangerous swing falls, long free falls, or collision with an obstruction can occur.

10.5 Never allow the webbing to retract uncontrolled back into the Retractor. This may cause someone to be hit by the webbing or snap hook, or damage other property. This may also internally damage or lock up the Retractor, requiring service. (SM/RTC suggests using a tag line to prevent such a rewind.)

10.6 Use the Retractor only as a passive safety device for fall protection. Never use the SM/RTC Retractor as a restraint or positioning tool. For example, do not lock the Retractor by hand and lean out holding onto the webbing to reach an object.

10.7 Use caution when working near electrical hazards.

10.8 Never use the SM/RTC Retractor for fall

protection when working on surfaces that can collapse. Examples of this are grain, cement, and powders in tanks and silos. The Retractor may not sense that you are “falling” and you could sink in and suffocate. A working surface that is stable must be provided for such applications.

10.9 Consult SM/RTC for advice on exposure to any chemical or environment that may cause corrosion.

10.10 Do not use the SM/RTC Retractor for load arresting applications.

10.11 Never put the webbing between your legs or under your arms.

10.12 Never put the webbing through an opening such as a railing that may fall with you. This Retractor is an independent device meant solely to arrest an individual's free fall when used correctly.

10.13 Never connect the Retractor to more than one person. The Retractor is a one-person device.

10.14 Never use or attach a snap hook or carabiner to incompatible hardware to reduce the chance of accidental disengagement (rollout).

10.15 No addition or substitution of any part of an SM/RTC system is permitted without the written approval of SM/RTC.

10.16 Do not use this Retractor in violation of any applicable company, state or federal standard or requirement.

Continued...

Sellstrom/RTC™ 2008 Retractor®

Installation, Operating & Maintenance Instructions

10.0 Warnings

Continued

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

10.18 All users must be in good health and not under the influence of drugs or alcohol.

10.19 Use caution when working around moving machinery.

10.20 Do not use near sharp edges or abrasive surfaces.

10.21 Webbing loop terminations are used to attach an SM/RTC Retractor to a harness D-ring or D-ring Loop. The loop end must be attached to the harness. Always connect the Retractor to the anchor point and the loop to the harness's D-ring or D-ring loop.

10.22 Swing Fall Hazard: Always check for obstructions below your working area to make sure your potential fall path is clear. Work directly under the anchorage point at all times.

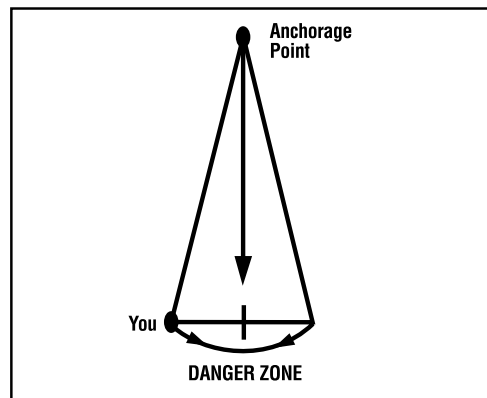
Swing falls can be controlled in at least two ways. First, an engineered fall protection system can be used to help maintain the attachment point overhead, thereby allowing the fall arrest to occur in a vertical plane. Possible systems include SM/RTC Permacable Horizontal lifelines, SM/RTC Sky Anchor Systems, or SM/RTC RailWalker Systems. Second, raise the height of the anchorage (1) thereby reducing the angle of the arc and force of the swing.

Important: Carefully review the mobility needed to complete the required work task, including travel to and from the workstation. For continuous and complete fall protection, more than one SM/RTC system may be required.

Questions?

If you have any questions about these instructions or about the proper use of any SM/RTC equipment, call SM/RTC Toll Free 1-800-323-7402.

Our customer Service Department is available to answer your questions. If you would like additional explanation or if you experience any problems with SM/RTC equipment, please contact us immediately for assistance.



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11.0 Safety Checklist

Warning



All operators and users of SM/RTC equipment MUST be able to answer "yes" to all of the following questions before installing or using any SM/RTC equipment:

- ✓ Has all equipment been assembled and installed according to SM/RTC instructions?
- ✓ Has all equipment been visually inspected immediately before use and found to be in good condition and proper working order?
- ✓ Does the anchorage point meet SM/RTC and OSHA requirements?
- ✓ Is the equipment suited for the intended work task, including travel to and from, and is it capable of providing continuous protection?
- ✓ Has each user been recently (within 6 months) trained in the proper and safe operation and use of the equipment?

- ✓ Do all users fully understand the instructions and agree to use the equipment safely?
- ✓ Is each person using this equipment in good health, and not under the influence of drugs or alcohol?
- ✓ Has SM/RTC been called (toll free) if you or any other user does not know how to comply with these or any of the requirements of this instruction booklet?

Warning



Do not use SM/RTC equipment if you answer "NO" to any of the questions above!

A "NO" answer to any of the questions above could lead to a serious or fatal injury to a user or anyone in the vicinity of use. If you proceed to use the equipment, you may be held personally responsible for not following this warning. If you answered "NO", go back and review these and any other applicable instructions or contact SM/RTC for assistance.

Continued

Sellstrom/RTC™ 2008 Retractor®

Installation, Operating & Maintenance Instructions

Inspection Records:

Inspection Date:									
Model No:									
Serial No:									
Mfg. Date:									
Inspector:									
Inspection Point:									
Retracts Y/N?									
Locks: Y/N?									
Webbing									
Stitching									
Snap hook/ Carabiner									
Housing									
Safe-T-Fold™									
Labels									
Disposition									

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