CHECKMATE

ATOM XTREME 6' SRL

Covering Models:
32045, 32046, 32047, 32048, 32049, 32050, 32051 & 32052

The models detailed above comply with ANSI Z539.14-2014, ANSI A10.32-2012, OSHA 1910 and 1926 Subpart M Requirements.

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CAUTION!

Working at height is dangerous. This product is designed to reduce the risk of working at height, by providing protection in the event of a fall to reduce the risk of injury. The product must be used as intended, and the user must be trained, competent, and aware of the correct usage and limitations of the product. The user MUST read and fully understand all contents of these user instructions. The user must also comply with OSHA and local safety regulations.

Failure to follow these guidelines could result in injury or death.

WARNINGS and Model Designation

WARNINGS!

These instructions, including safe usage, warnings, and limitation of the products, must be provided to the user, and they must be read before any inspection, installation or use of this product. If there are any points in this manual that you are unsure of, seek a competent, trained person to clarify before using. Before each and every use, the device must be inspected according to the manufacturers instructions, including a brake engagement check.
Do not exceed the maximum user weight (including tools and equipment) as described in this manual. This SRL is for single person use only.

Use only as part of a complete fall arrest system with other components approved to the relevant ANSI and OSHA standards. A competent person must review and approve the system and component compatibility.

Do not tamper with the SRL. If you suspect the SRL has been tampered with, remove the SRL from service and quarantine the unit for inspection and return to the service depot where necessary. If in doubt, remove from service.

Never use this system unless you are supervised by a trained and competent person.

Prevent slack line when in use.

Seek medical advice from a doctor before using this product if; you have sustained a spinal injury, suffer from a neck or back complaint, or you are taking prescription medication.

Never use if you are under the influence of alcohol or recreational drugs.

Extra care should be taken if welding while using this product, protect the lanyard from splatter and heat at all times. Never use this system unattended.

If the unit has been deployed, the load indicator will show on the top swivelling connector. If this is visible DO NOT USE.

Materials

PC/ABS, aluminum alloy, carbon steel, nylon, PTFE, webbing made with Dyneema®(13/16**"**).

Class A SRL
Average arrest force: 1350lbs
Maximum arrest force: 1,800lbs
Maximum deceleration distance: 24"
Minimum fall clearance: 5.5'

2ft Freefall
Average arrest force: 1350lbs
Maximum arrest force: 1,800lbs
Maximum deceleration distance: 54"
Minimum fall clearance: 10'

Model Designation

Part No.	Description
32045	Single 6ft webbing SRL with steel snap hook
32046	Single 6ft webbing SRL with steel rebar hook
32047	Single 6ft webbing SRL with aluminum snap hook
32048	Single 6ft webbing SRL with aluminum rebar hook
32049	Double 6ft webbing SRL with steel snap hook
32050	Double 6ft webbing SRL with steel rebar hook
32051	Double 6ft webbing SRL with aluminum snap hook
32052	Double 6ft webbing SRL with aluminum rebar hook

Issue & Inspection

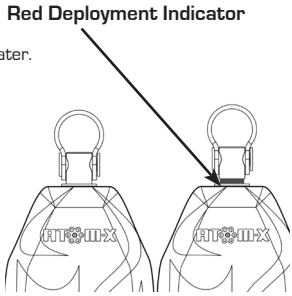
Issue:

This and associated equipment must be visually inspected by a competent person when initially delivered to site, thereafter the product must be inspected before and after use. A record card is printed in this manual, and should be updated after each routine inspection. Follow the points laid down in the section headed "Inspection" without deviation.

The supervisor must ensure that the equipment is being used correctly by a trained and/or otherwise competent person who is aware of its safe use and inspection. Additionally the supervisor must ensure that there are suitable and accessible anchorages, as described in this manual, in the working environment to allow safe anchorage of the device.

Inspection:

Prior to first use, inspect the SRL, lanyard, hook and anchorage for signs of wear, deformation, damage or corrosion.
Webbing - Ensure that the webbing is free from cuts, abrasion & wear marks.
Ensure hook swivels & gate opens and closes correctly.
Ensure load indicator is not deployed (see right). If the red section is visible, the SRL MUST be removed from service immediately.
Pull lanyard sharply to engage brakes and ensure the brakes lock before each and every use.
Pull out lanyard to ensure that it pays out and recoils smoothly.
All housing screws must be secure.
Check the user instructions are clear & legible.
If the webbing becomes wet in use, ensure it is extended & left to dry naturally. To clean the housing, or webbing, a mild detergent can be used with warm or cold water.
The fiber rope must be extended from the device & left to dry naturally. **At least every 12 months, a Competent Person other than the user must inspect the SRL. Competent Person inspections MUST be recorded in inspection log in instruction manual and on equipment inspection grid label. The Competent Person must sign their initials in the box corresponding to the month and year the inspection took place.**
If for any reason the inspection of this SRL shows signs for concern or doubt then the SRL must be quarantined and removed from service immediately. Advice should be sought from the supervisor and if still concerned the SRL must be sent to the supplier, an approved service agent or the manufacturer for service and re-calibration.



This device may be serviced by the manufacturer or a manufacturer-authorized agent only. Never attempt to service or tamper with this unit in any way.

Installation, Use & Rescue Planning

Installation and Anchorage:

The SRL must be anchored to a point which will hold a load of 5000lbs or meet OSHA requirements for twice the anticipated load (certified by a qualified person) and that is fixed, preventing the device anchorage from moving while in use.

The anchorage is recommended to be above the working position and offers the user protection when working beneath it, however anchorages below this are permissible provided freefall does NOT exceed 2 feet. Use with horizontal lifelines is permitted provided that the equipment does not interfere with, or have a detremental effect on the performance or safe use of the SRL. The SRL must be connected to the anchorage using a suitable approved connector. Install the SRL so that it avoids swing hazards. The user must not have to lean out to reach the SRL or hook therefore endangering themselves with a fall hazard. Never install where there is a possibility of electric shock hazards.

When installing ensure that you are not subjecting yourself to potential fall hazards, wear a full body harness and suitable equipment to anchor yourself while installing.

The SRL must not be installed where the following hazards may endanger the user or prevent the efficient operation of the system;

- The area below the device must be free of obstruction that will prevent the free pay-out of rope or may obstruct the movement of the user.
- The environment must be free of heavy solvents or acids that will degrade the device, lanyard or the hook.
- If there is any chance of the line becoming entangled in lifting equipment, passing vehicles or structure then do not install.

User Capacity

Overhead anchorage (no freefall): 130-420lbs maximum (inc. tools & equipment)
Freefall Max. 2ft: 130-310lbs maximum (inc. tools & equipment)

Ground Clearance Requirements:

Personal Fall Arrest: The SRL may be used to support a MAXIMUM 1 PFAS for use in Fall Arrest applications. Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lbs. Freefall is permissible when limited to a maximum of 2 feet. Applicable D-ring: Dorsal.

Limitations

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 a MINIMUM 2' safety factor, deceleration distance, user height, length of lanyard/SRL, harness stretch and all other applicable factors.

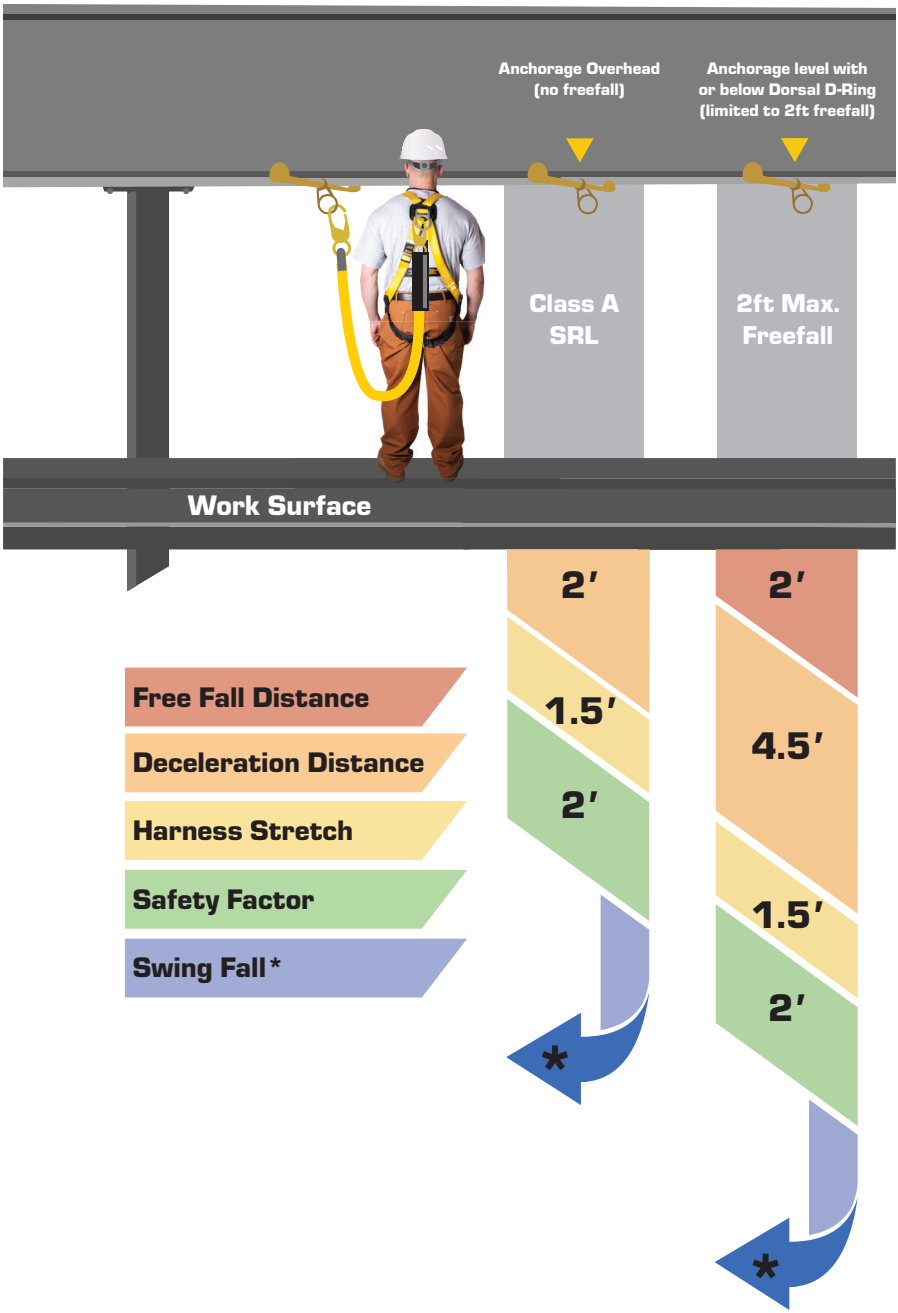
Diagram shown (pg.6) is an example fall clearance calculation ONLY.

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 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.

Rescue Planning:

Before use, and when using the SRL's, users and supervisors should always make suitable provisions for rescue. A full risk assessment should be carried out to determine the most effective, safe and quickest form of rescue. For SRL's with integral rescue capability please ensure you apply the appropriate methods to receive the individual when retrieved to upper elevation. For more information on specialist rescue systems or training please contact Checkmate.

Fall Clearance



Restrictions, Exclusions, Compatibility & Storage

Restrictions:

Do not use if the lanyard does not retract.
Do not use if you exceed the maximum weight of 420lbs for overhead use.
Do not use if you exceed the maximum weight of 310lbs where a maximum 2ft of freefall can occur.
Do not use this device to arrest materials (as a load arrestor).
Do not let the SRL lanyard entangle around any limbs or around the body - ensure the lanyard runs straight from the harness D-ring to the SRL.
Do not jump or step down quickly when using the SRL as this may activate the brakes.

Exclusions:

The manufacturer will NOT be responsible for:

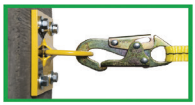
a. Users who are out of the scope of any written manuals of training given.
b. Any device that has NOT been inspected under the current legislation and manufacturers guidelines.
c. Devices that have been damaged.
d. When the maximum user weight (including clothing and tools) has been exceeded.
e. Devices that have NO serial number markings, and the manufacturers name is not present.

Compatibility:

When making connections with the SRL, eliminate all possibility of roll-out. Roll-out occurs when interference between a hook and the attachment point causes the hook gate to unintentionally open and release. All connections must be selected and deemed compatible with the SRL by a Competent Person. All connector gates must be self-closing and self-locking, and withstand minimum loads of 3,600 lbs.

See the following for examples of compatible/incompatible connection.

Connector closed and locked to D-ring. **OK.**

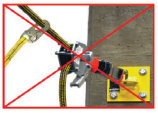


Connector to integral lanyard. **NO.**

Two connectors to same D-ring. **NO.**

Connector directly to webbing. **NO.**

Incompatible or irregular application, which may increase risk of roll-out. **NO.**



Connector directly to horizontal lifeline. **NO.**

Two or more snap hooks or carabiners connected to each other. **NO.**

Storage:

Storage in a central protected location allows assurance of inspection on issue and return.
The SRL should be stored in a clean dry place where it can be protected from damage by chemical exposure and sharp objects . It should be stored with its instructions and record card at all times.
Return the SRL back to it's original box or other suitable container for storage & transportation.
After use return to the container. Never leave the device lying around site.

Labels

CHECKMATE

WARNINGS: Read, understand & follow all manufacturer's instructions before installing & using this product. Failure to do so may result in serious injury or death. Avoid lanyard contact with sharp edges & abrasive surfaces.
Do not use if this unit has been subjected to arrest forces - Remove from service immediately.
INSPECTION: Competent Person must inspect at least every 12 months. User must conduct a basic visual/function inspection before each use. Consult instructions for complete inspection criteria. Ensure deployment indicator has not been deployed by checking for a red band visible between the swivel and top of housing. If deployed, DO NOT USE. Ensure proper locking function by pulling out 2 feet of lanyard, & giving it a hard tug. Ensure lanyard & housing are free of any visible signs of damage. Ensure lifeline pays-out & retracts smoothly. Must be inspected by a competent person annually. INSTALLATION: Follow the instruction manual & use only anchorages specified by a qualified engineer or competent person. Anchor point must be rated to support a 5000lbs static load. Suitable for use with approved horizontal lifelines specified in the user manual supplied with the equipment at the time of first shipment. Use only locking type connectors for connection to anchor point. Overhead installation should always be sought after, freefall is permissible when limited to a max 2ft. Ensure there is sufficientclear-fall distance. Ensure tension is kept on the lifeline when retracting.
PPELAB-449 issue 1

Labels

Part No: 32045 (steel snap hook) Min clear fall distance: 5.5'
Material: 13/16" Webbing made with Dyneema® Lanyard Length: 6'.
Overhead use (inc. tools & equipment):
Capacity Range: 130-420lbs. Arrest Distance: 24"
Freefall (max. 2ft)
Capacity Range: 130-310lbs. Arrest Distance 54"
Average. Arrest Force: 1350lbs or less. Freefall is NOT permissible, the SRL must always be positioned at or above the harness D ring. Meets or exceeds the requirements of OSHA 1926 Subpart M, OSHA 1910, ANSI A10.32-2012 and ANSI Z359.14-2014 CLASS A - avoid sharp/abrasive surfaces on lifeline.
Designed and engineered in the UK, assembled in America. PPELAB-441 IS1

Part No: 32049 (dual steel snap hook) Min clear fall distance: 5.5'
Material: 13/16" Webbing made with Dyneema® Lanyard Length: 6'.
Overhead use (inc. tools & equipment):
Capacity Range: 130-420lbs. Arrest Distance: 24"
Freefall (max. 2ft)
Capacity Range: 130-310lbs. Arrest Distance 54"
Average. Arrest Force: 1350lbs or less. Freefall is NOT permissible, the SRL must always be positioned at or above the harness D ring. Meets or exceeds the requirements of OSHA 1926 Subpart M, OSHA 1910, ANSI A10.32-2012 and ANSI Z359.14-2014 CLASS A - avoid sharp/abrasive surfaces on lifeline.
Designed and engineered in the UK, assembled in America. PPELAB-445 IS1

Part No: 32046 (steel rebar hook) Min clear fall distance: 5.5'
Material: 13/16" Webbing made with Dyneema® Lanyard Length: 6'.
Overhead use (inc. tools & equipment):
Capacity Range: 130-420lbs. Arrest Distance: 24"
Freefall (max. 2ft)
Capacity Range: 130-310lbs. Arrest Distance 54"
Average. Arrest Force: 1350lbs or less. Freefall is NOT permissible, the SRL must always be positioned at or above the harness D ring. Meets or exceeds the requirements of OSHA 1926 Subpart M, OSHA 1910, ANSI A10.32-2012 and ANSI Z359.14-2014 CLASS A - avoid sharp/abrasive surfaces on lifeline.
Designed and engineered in the UK, assembled in America. PPELAB-442 IS1

Part No: 32050 (dual steel rebar hook) Min clear fall distance: 5.5'
Material: 13/16" Webbing made with Dyneema® Lanyard Length: 6'.
Overhead use (inc. tools & equipment):
Capacity Range: 130-420lbs. Arrest Distance: 24"
Freefall (max. 2ft)
Capacity Range: 130-310lbs. Arrest Distance 54"
Average. Arrest Force: 1350lbs or less. Freefall is NOT permissible, the SRL must always be positioned at or above the harness D ring. Meets or exceeds the requirements of OSHA 1926 Subpart M, OSHA 1910, ANSI A10.32-2012 and ANSI Z359.14-2014 CLASS A - avoid sharp/abrasive surfaces on lifeline.
Designed and engineered in the UK, assembled in America. PPELAB-446 IS1

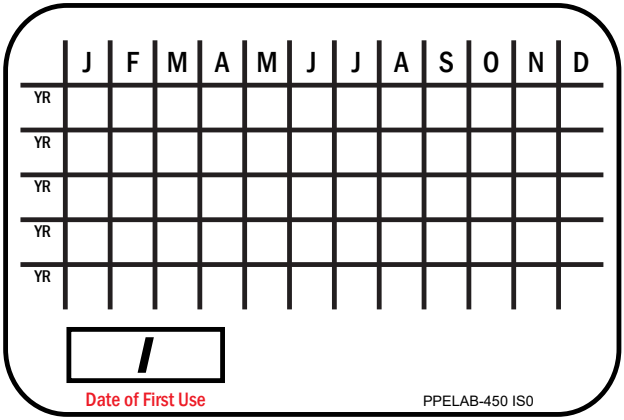
Part No: 32047 (aluminum snap hook) Min clear fall distance: 5.5'
Material: 13/16" Webbing made with Dyneema® Lanyard Length: 6'.
Overhead use (inc. tools & equipment):
Capacity Range: 130-420lbs. Arrest Distance: 24"
Freefall (max. 2ft)
Capacity Range: 130-310lbs. Arrest Distance 54"
Average. Arrest Force: 1350lbs or less. Freefall is NOT permissible, the SRL must always be positioned at or above the harness D ring. Meets or exceeds the requirements of OSHA 1926 Subpart M, OSHA 1910, ANSI A10.32-2012 and ANSI Z359.14-2014 CLASS A - avoid sharp/abrasive surfaces on lifeline.
Designed and engineered in the UK, assembled in America. PPELAB-443 IS1

Part No: 32051 (dual aluminum snap hook) Min clear fall distance: 5.5'
Material: 13/16" Webbing made with Dyneema® Lanyard Length: 6'.
Overhead use (inc. tools & equipment):
Capacity Range: 130-420lbs. Arrest Distance: 24"
Freefall (max. 2ft)
Capacity Range: 130-310lbs. Arrest Distance 54"
Average. Arrest Force: 1350lbs or less. Freefall is NOT permissible, the SRL must always be positioned at or above the harness D ring. Meets or exceeds the requirements of OSHA 1926 Subpart M, OSHA 1910, ANSI A10.32-2012 and ANSI Z359.14-2014 CLASS A - avoid sharp/abrasive surfaces on lifeline.
Designed and engineered in the UK, assembled in America. PPELAB-447 IS1

Part No: 32048 (aluminum rebar hook) Min clear fall distance: 5.5'
Material: 13/16" Webbing made with Dyneema® Lanyard Length: 6'.
Overhead use (inc. tools & equipment):
Capacity Range: 130-420lbs. Arrest Distance: 24"
Freefall (max. 2ft)
Capacity Range: 130-310lbs. Arrest Distance 54"
Average. Arrest Force: 1350lbs or less. Freefall is NOT permissible, the SRL must always be positioned at or above the harness D ring. Meets or exceeds the requirements of OSHA 1926 Subpart M, OSHA 1910, ANSI A10.32-2012 and ANSI Z359.14-2014 CLASS A - avoid sharp/abrasive surfaces on lifeline.
Designed and engineered in the UK, assembled in America. PPELAB-444 IS1

Part No: 32052 (dual aluminum rebar hook) Min clear fall distance: 5.5'
Material: 13/16" Webbing made with Dyneema® Lanyard Length: 6'.
Overhead use (inc. tools & equipment):
Capacity Range: 130-420lbs. Arrest Distance: 24"
Freefall (max. 2ft)
Capacity Range: 130-310lbs. Arrest Distance 54"
Average. Arrest Force: 1350lbs or less. Freefall is NOT permissible, the SRL must always be positioned at or above the harness D ring. Meets or exceeds the requirements of OSHA 1926 Subpart M, OSHA 1910, ANSI A10.32-2012 and ANSI Z359.14-2014 CLASS A - avoid sharp/abrasive surfaces on lifeline.
Designed and engineered in the UK, assembled in America. PPELAB-448 IS1

Labels



RECORD CARD

SERIAL NO: **DATE OF FIRST USE:**

PRODUCT CODE: **USER:**

DATE	CONDITION OF SRL	INSPECTED BY

RECORD CARD

DATE	CONDITION OF SRL	INSPECTED BY

Approved service company:

Checkmate Lifting & Safety Ltd, New Road, Sheerness, Kent, ME12 1PZ. United Kingdom.

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