Xcalibre SAFETY BY DESIGN

CHECKMATE®

FABX2R & FABXLR
SRL With Recovery

Covering Models:
32130, 32140, 32131, 32132, 32132S, 32133, 32134, 32456, 32457, 32458

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 while in rescue mode.

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 hook load indicator will show on the swivel hook . If this is visible DO NOT USE.

Materials
PC/ABS, aluminum alloy, carbon steel, stainless steel, nylon, PTFE.

Class B SRL
Average arrest force: 900lbs
Maximum arrest force: 1,800lbs
Maximum deceleration distance: 54"
Minimum fall clearance: 8'

Model Designation

Part No.	Length	Description
32130	50ft	Stainless steel lanyard with aluminum snap hook
32140	50ft	Fibre rope made with Dyneema ® with aluminum snap hook
32131	60ft	Galvanized steel lanyard with aluminum snap hook
32132	100ft	Galvanized steel lanyard with aluminum snap hook
32132S	100ft	Stainless steel lanyard with aluminum snap hook
32133	115ft	Stainless steel lanyard with aluminum snap hook
32134	130ft	Galvanized steel lanyard with aluminum snap hook
32456	60ft	Galvanized steel lanyard with Steel Snap Hook
32457	100ft	Galvanized steel lanyard with Steel Snap Hook
32458	130ft	Galvanized steel lanyard with Steel Snap Hook

Before Use Checks & Planning

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.

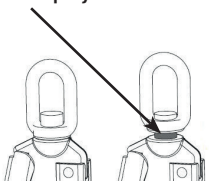
Inspection:

Before use, ensure locking pin on FABXR retrieval handle is intact and "Pull For Retrieval" security tag is intact. In the event security tag is deployed or the locking pin is dislodged during non-rescue use, immediately stop work, retrieve worker, and return FABXR to Checkmate for recertification.

If unit subjected to fall that causes security tag to deploy or locking pin to be dislodged, FABXR may be used to perform a rescue, at which time FABXR must be removed from service and returned to Checkmate for recertification.

Inspect the SRL, lanyard, hook and anchorage for signs of wear, deformation, damage or corrosion.
Wire Rope - Ensure that the wire rope is free from cuts, abrasion & kinks.
Fiber Rope - Ensure that the fiber rope is free from cuts, abrasion & wear marks.
Ensure hook swivels & gate opens and closes correctly and load indicator is not deployed (see right). If the red section is visible, the SRL MUST be removed from service immediately.
Pull line sharply to engage brakes and ensure the brakes lock before each and every use.
Pull out line to ensure that it pays out and recoils smoothly.
All housing screws must be secure.
Check the user instructions are clear & legible.
If the fiber rope becomes wet in use, ensure the rope is extended & left to dry naturally.
To clean the housing, or fiber rope, a mild detergent can be used with warm or cold water. The fiber rope must be extended from the device & left to dry naturally.

Red Deployment Indicator



At least every 12 months, a Competent Person other than the user must inspect Xcalibre 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.

Rescue Planning:

Before use, and when using the Xcalibre 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.

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 and Use

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 must be above the working position and offers the user protection when working beneath it. 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.

Ground Clearance Requirements:

Personal Fall Arrest: Xcalibre SRLs 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. No free fall is permitted. Applicable D-ring: Dorsal.

Restraint: Xcalibre SRLs may be used in Restraint applications. Restraint systems prevent workers from reaching the leading edge of a fall hazard. Always account for fully deployed length of lanyard/SRL. Structure 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). Applicable D-rings: Dorsal, Chest, Side, Shoulder.

For all applications: worker weight capacity range (including all clothing, tools, and equipment) is 130-310 lbs.

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.

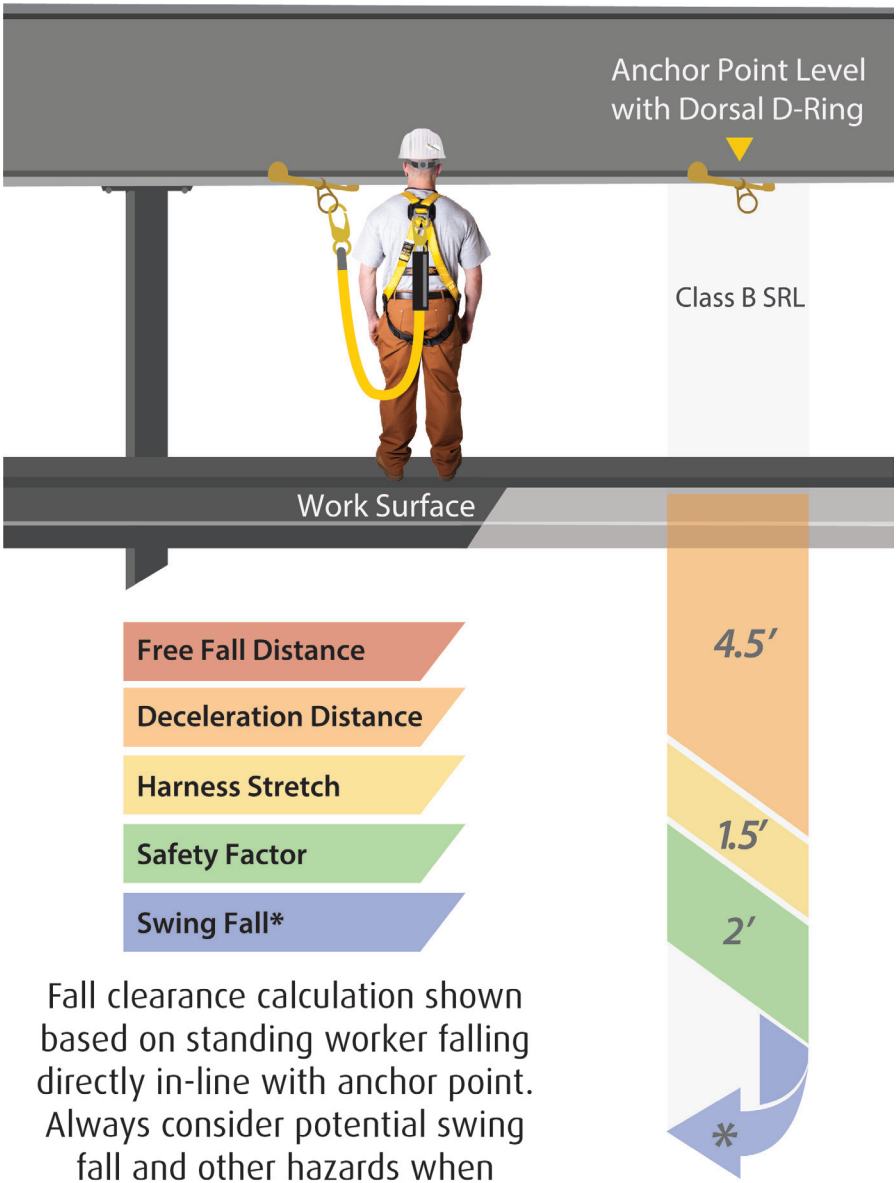
Diagram shown (pg.6) is an example fall clearance calculation ONLY.

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:

In the event of an emergency, the rescue function can be engaged to raise and/or lower a fallen worker. To engage the rescue function, first break the plastic padlock, and remove the pin. Push the small knob to release handle from housing, and to engage the retrieval gears into position. To raise a person simply rotate the handle clockwise. To lower a person simply rotate the handle clockwise 1/8th turn to release brakes, then turn anticlockwise to lower. To disengage the gear, ensure no load is on the device, align the handle to its parked position (pointing towards the top termination) and push the small knob into the block. Press the handle towards the block to disengage the gearing. Please note it takes a maximum of 26lb force to raise or lower when the device is loaded to capacity.

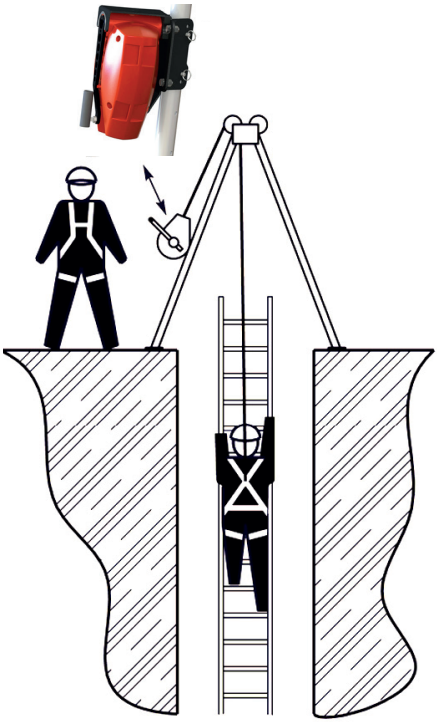
Fall Clearance



Fall clearance calculation shown based on standing worker falling directly in-line with anchor point. Always consider potential swing fall and other hazards when calculating fall clearance.

Installation with a tripod

Primary Fall Arrest Device with Secondary Backup
FABX2R/FABXLR



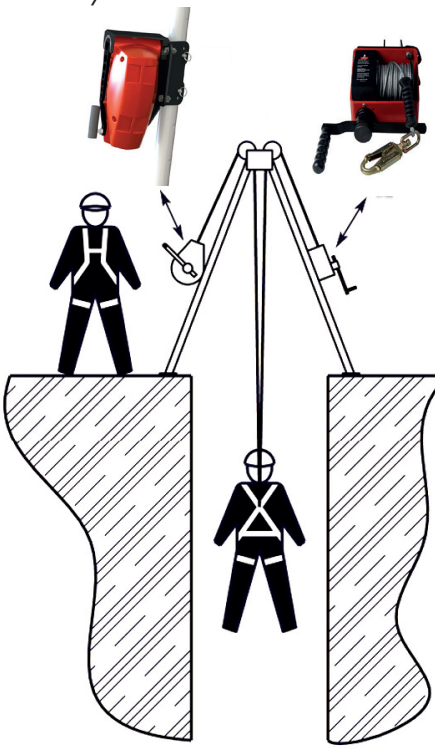
When entering a confined space when a fixed access system is installed the user should use:

1 x Tripod (TR3)
1 x SRLR (FABX2R or FABXLR)
1 x SRLR adaptor bracket (FABXR-DB/FABXLR-DB)

The FABX2R/FABXLR should be in free run mode and in the event of a fall the device will automatically lock on and then the winch can be engaged.

PLEASE NOTE THAT THE FABX2R/FABXLR IS NOT INTENDED TO BE USED AS A CONTINUOUS WINCH, ONLY AS A RETRIEVAL DEVICE IN EMERGENCY SITUATIONS.

Primary Raise and Lower Device with Secondary Backup
FABX2R/FABXLR **WG-01**



When entering a confined space when there is no fixed access system and there is a need to lower the user down under control, you should use:

1 x Tripod (TR3)
1 x SRLR (FABX2R or FABXLR)
1 x SRLR adaptor bracket (FABXR-DB/FABXLR-DB)
1 x Work winch (WG-01)
1 x winch adaptor bracket (WG-02)

THE WG-01 IS YOUR PRIMARY LOWERING DEVICE AND IN THE EVENT OF A FALL THE FABX2R/FABXLR WILL AUTOMATICALLY LOCK ON AND THE WINCH CAN BE ENGAGED.

WARNING: Prevent slack line while in rescue mode.

Restrictions, Exclusions, Compatibility & Storage

Restrictions:

Do not use if the lanyard does not retract.
Do not use if you exceed the maximum weight of 310lb.
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.

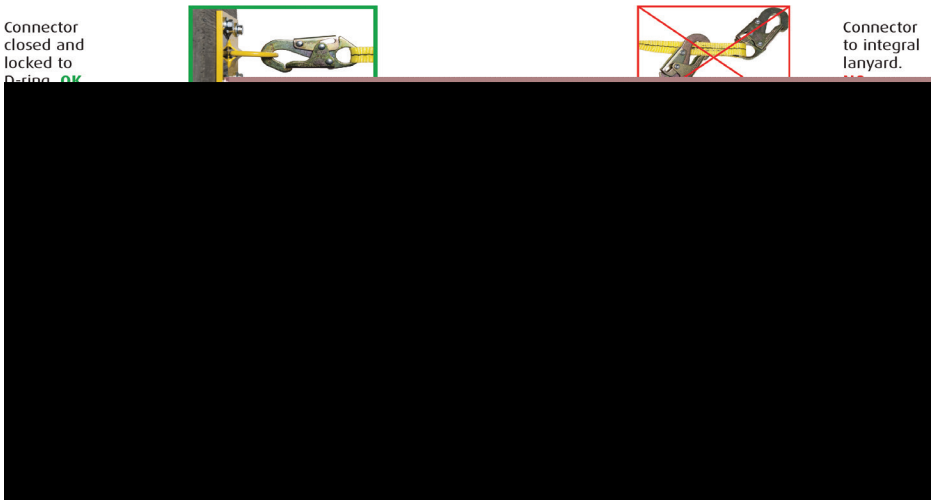
Exclusions:

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 Xcalibre 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 Xcalibre 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.



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.