



CHECKMATE  
SAFETY





Xcalibre

Index

Page

1.0	Introduction to Xcalibre & Scope of Use	3
2.0	Storage, Issue & Inspection	4
3.0	Quality, Legislation & Exclusions	5
4.0	Installation, Use, Compatibility & Warning !	6
5.0	Record card	7

## Introduction to Xcalibre & Scope of Use

## Section 1.0

### Xcalibre 3w

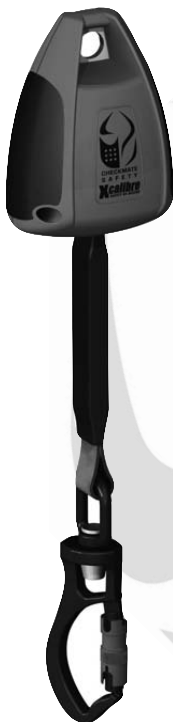
The Xcalibre 3w, also known as FAB3W & FAB3W, has been designed for your safety when working at height.

Xcalibre 3w is compact, lightweight and durable. It has a unique braking system that locks by acceleration, not just speed.

This ensures the device pays out freely but locks on rapidly to minimise free fall and impact loads on both the anchorage and the body.

The device reduces impact loads via a specially designed extending webbing, this is held in a compact heat shrunk plastic cover.

If the unit has been deployed white webbing will be visible from each end of the heat shrunk plastic pouch. If this is visible DO NOT USE



**XCALIBRE3W**

### Principal Features

- 3m (10ft) in working length.
- MAX user weight 150kg.
- Compact, sleek and modern design.
- Anchorage karabiner as standard.
- Range of alternative karabiners.
- Light weight <1.1kg (inc swivel hook)
- Composite housings UV stabilised.
- Soft TPE side grips.
- Internal steel chassis.
- Acceleration activated brakes.
- Ultra fast brake lock-on nom 100mm.
- Alloy swivel hook as standard.
- Polyester webbing 21mm MBL 23kN.
- PTFE roller lowers friction and drag.
- Fully serviceable.
- Tested for Vertical use.
- Device will function horizontally.

Manufactured in the UK

*Meets and exceeds*  
**EN360 ANSI OSHA**

## Storage, Issue & Inspection

### Storage

Storage in a central protected location allows assurance of inspection on issue and return.

The device should be stored in a clean dry place where it can be protected from damage by chemical attack and sharp objects . It should be stored with its instructions and record card at all times.

After use return to the store, Never leave the device lying around site.

Return the device back to it's box or other suitable container for storage and transportation.

### Issue

This and associated equipment must be visually inspected by a competent person when initially delivered to site, there after the product must be inspected before and after use. A record card is printed in section 5.0 of 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 and that the user is aware of its safe use and inspection. Additionally the supervisor must ensure that there are suitable and accessible anchorages in the working environment to allow safe anchorage of the device.

### Inspection

Inspect the device, life line, hook and anchorage for signs of wear, deformation, damage or corrosion.

Ensure hook swivels and twist gate operate and close correctly.

Ensure the white webbing has not been deployed, this will show the device has been used to arrest a fall and should be returned for service and re-calibration.

Pull line sharply to engage brakes and ensure device locks 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 and legible.

If the webbing becomes wet in use, ensure webbing is extended and left to dry naturally.

To clean webbing a mild detergent can be used with warm or cold water. The webbing must be extended from device and left to dry naturally.

**Ensure that device certification is current before use, the device must have been serviced and inspected within the last 12 months and 6 months if used in corrosive or off-shore environments.**

If for any reason the inspection of this device shows signs for concern or doubt then the device must be quarantined and removed from service immediately. Advice should be sought from the supervisor and if still concerned the device must be sent to the supplier, an approved service agent or the manufacturer for service and re-calibration.

**This device must only be serviced by a trained and competent individual,  
Never attempt to service this unit or tamper with its function in any way.**

### 3.1 Quality

All Checkmate products are manufactured under ISO 9001:2000 and to the highest standards. The scope of use within the certification held allows Checkmate to design, manufacture and test Personal Protection Equipment.

Horizontal tensile test machine, abrasion tester and dynamic drop test rig are just part of the full range of test facilities used to ensure ultimate safety of our product range.

All Checkmate devices must only be installed by Checkmate personnel or a trained operator. Strict training is given and written exams are completed before full certification can be given to operators.

(EC type examination for Directive 89/686/EEC by SGS UK Ltd. (Notified Body No. 0120.)

### 3.2 Legislation and Standards

The Xcalibre has been designed to meet the requirements of:

BS EN 360: 2002 and ANSI/OSHA

For clarification on any certification issues contact Checkmate Safety.

### 3.2 Exclusions

Checkmate holds global product liability cover for your safety, Checkmate will NOT however be responsible for:

- a) Users who are outside the scope of any written manuals or training given.
- b) Any device that has NOT been inspected under the current legislation and manufacturers guidelines.
- c) Devices that have been damaged.
- d) The Max weight in Kg has been exceeded.
- e) Devices that have no serial number markings, and the manufacturers instructions and details are missing.

## Installation, Use, Compatibility & Warnings !

### Section 4.0

#### Installation

Prior to installation of the device a full risk assessment should be carried out to minimise the risks and review rescue plans.

The Device 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, life line or the hook.

The device must be anchored, using a locking connector, certified to EN362, supplied with this device, to an anchorage which will hold a load of 15kN and that is fixed preventing the device anchorage from moving whilst in use. The anchorage should be certified to EN795.

If there is any chance of the line becoming entangled in lifting equipment, passing vehicles or structure then do not install.

Install the device so that it is away from the edge, so avoiding swing hazards, the potential user must not have to lean out to reach the device or hook and 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 your self to potential fall hazards, wear a full body harness and shock absorbing lanyard anchoring your self whilst installing.

#### USE

Installed from an over head anchorage the device affords a user fall protection within a cone of 45 degrees from the vertical.

##### Fall Protection

Check the device has not been deployed, follow the inspection routine laid down in this manual.

The device will arrest a fall within 1.5 meters. Do not use the device at full line pay out or in situations where there is less than 2.5 metres of ground clearance below feet of user.

Connect only to the Rear Dorsal "D" ring of a fall Protection Full Body Harness. Ensure that the hook of the device is secure in the Harness "D" Ring and that the gate of the hook is locked.

Never work above the level of the device or tie off the life line to prevent it retracting. The line between the user and the device must be taught at all times.

Never run or jump whilst attached to the unit, walking at a moderate pace will ensure that the device does not sense a fall and lock on.

Never work outside of a 45 degree cone created from the device through vertical, if a fall were to occur the device would lock and the user would swing like a pendulum and may sustain injury from this hazard.

The device will function horizontally, but a full risk assessment must be carried out prior to horizontal use. Check for edge and webbing protection, potential swing fall and ground clearance.

Always seek expert advice when using this device out side of the vertical plain.

#### Compatibility

The FAB's are Suitable only as a Fall arrest block if it is attached to an anchorage (to EN795) of 15kN and used with a Full Body Harness which conforms to EN361, such as the Checkmate PBH range. Never use this device as a means of restraint or as a horizontal life line.

**This unit is not suitable for use in explosive environments.**

#### Warnings

Read and understand manufacturers instructions before inspection, installation or use of this product.

Never work alone.

Never use this product if you weigh more than 150kg

Only use approved equipment with this product.

If there are any points in this manual that you are unsure of seek a competent, trained person to advise you before using.

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 whilst using this product, protect the Life Line from splatter and heat at all times. Never use this system unattended.

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

Never use the device with a secondary shock absorbing lanyard. Only use on Horizontal LifeLines approved by Checkmate and incorporate an energy management system.

## Rescue Planning

**When using the Xcalibre Fall Arrest Block, users 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 more information on specialist rescue systems or training please contact The Checkmate Safety technical team.**





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