

User Guidelines

BelayMate Auto Belay Connectors have been installed on your Auto Belay lines. BelayMate Harness Connectors have been installed on your Climbing Harnesses. BelayMate Ground Anchor Connectors have been installed on your ground fixation point or your Safety Barrier Mats. BelayMate equipment shall not be installed on any other equipment without first gaining written approval. Contact techsupport@belaymate.com

These guidelines explain how to install, use, inspect and maintain your BelayMate. The warning symbols inform you of some of the potential dangers related to the use of your equipment. Check www.belaymate.com for updates and additional information. You are responsible for heeding all warnings and for using your equipment correctly.

WARNING

Activities at height are inherently dangerous. You are responsible for your own actions, decisions and safety.

Before using this equipment, you must:

- Read and understand all Instructions for Use.
- Ensure equipment is correctly installed and in operational condition.
- Get specific training in its proper use.
- Become acquainted with its capabilities and limitations.
- Understand and accept the risks involved.



FAILURE TO HEED ANY OF THESE WARNINGS MAY RESULT IN SEVERE INJURY OR DEATH.

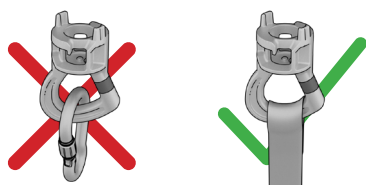
1. FIELD OF APPLICATION

Personal protective equipment (PPE). BelayMate is designed for activities with a risk of falls from height where an Auto Belay is being used as the primary safety device. This product must not be used for any purpose other than that for which it is designed.

Responsibility

This product must only be used by competent and responsible persons, or those placed under the direct and visual control of a competent and responsible person. You are responsible for your actions, your decisions and your safety. If you are not able, or not in a position to assume this responsibility, or if you do not fully understand these instructions, do not use this equipment.

2. COMPATIBILITY



BelayMate must only be used with appropriately certified Auto Belays and Climbing Harnesses. Verify that this product is compatible with the other elements of the system in your application. Equipment used with your BelayMate must meet current standards in your country.

3. WARNING SYMBOLS



Situation presenting an imminent risk of serious injury or death



Exposure to a potential risk of accident or injury.



Important information on the functioning or performance of your product.



Equipment incompatibility.

4. STANDARDS AND TRACEABILITY

Body controlling the manufacture of this PPE – Clip 'n Climb International LP

Notified Body Performing the CE type exam – SAI Global, Partis House, Milton Keynes MK5 8HJ, UK. NB 2056

Traceability – Serial number

Standards tested to

Static Tensile BS EN 12275:2013_4.2.1.1;

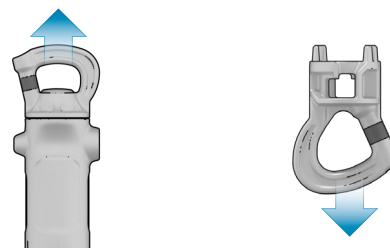
Dynamic Tensile ANSI/ASSE Z359.1-2007_3.2.1.7

Corrosion resistance ANSI/ASSE Z359.1-2007_3.2.1.2: ASTM B117-03

Model Identification - BelayMate

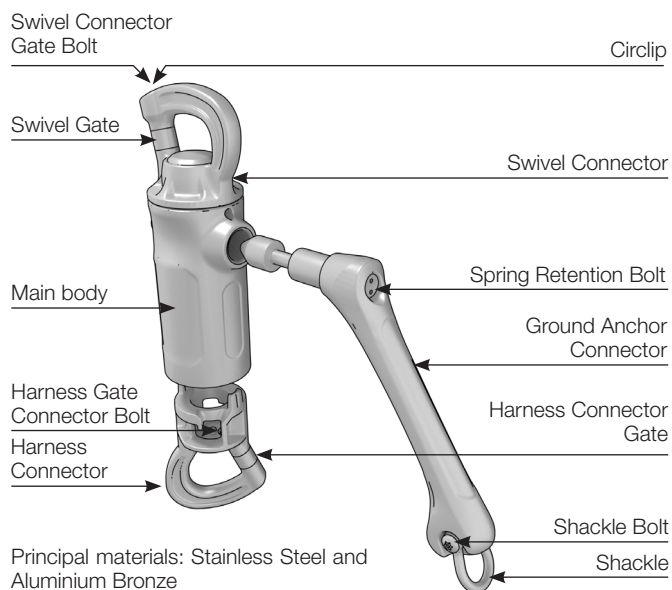
These User Guidelines must be read in conjunction with the User Manual

5. STRENGTH



Breaking strength: 22 kN (EN 362:2004 T, EN 12275:2013 T)

6. NOMENCLATURE

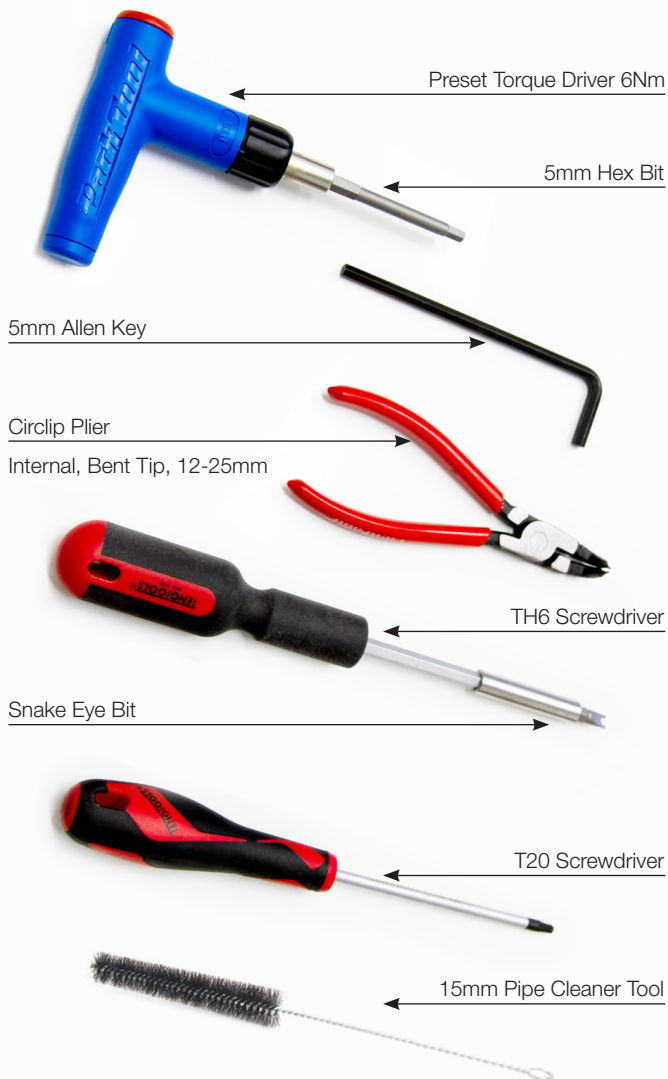


7. INSTALLATION

The first time the BelayMate system is installed it is usually installed by a trained installer. However there may be times when you, the Operator of a climbing facility install it yourself. BelayMate is also designed for easy transfer from one Auto Belay Line to another, from one Climbing Harness to another. The following instructions should be carefully followed when carrying out this work. You will have received a set of tools to facilitate installations and transfers of your BelayMate.

8. TOOLS

Each project is supplied with a BelayMate Tool Kit.



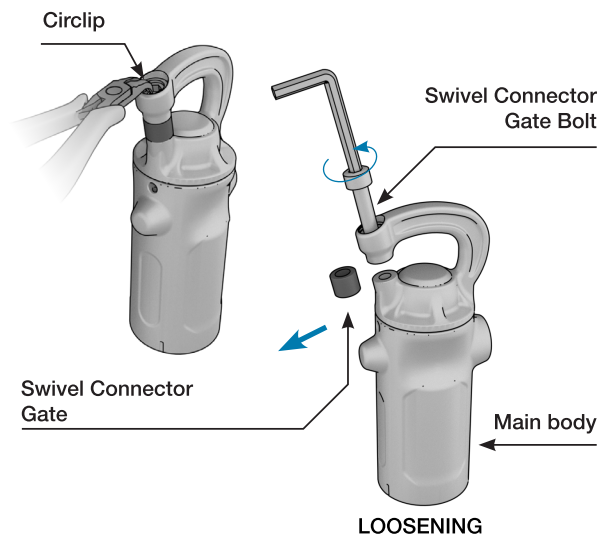
- 20gm Tube Loctite LB 8060 Silver Grade Anti-Seize
- 10ml Bottle Loctite 243 Threadlocker

9. SPARE PARTS AND ACCESSORIES

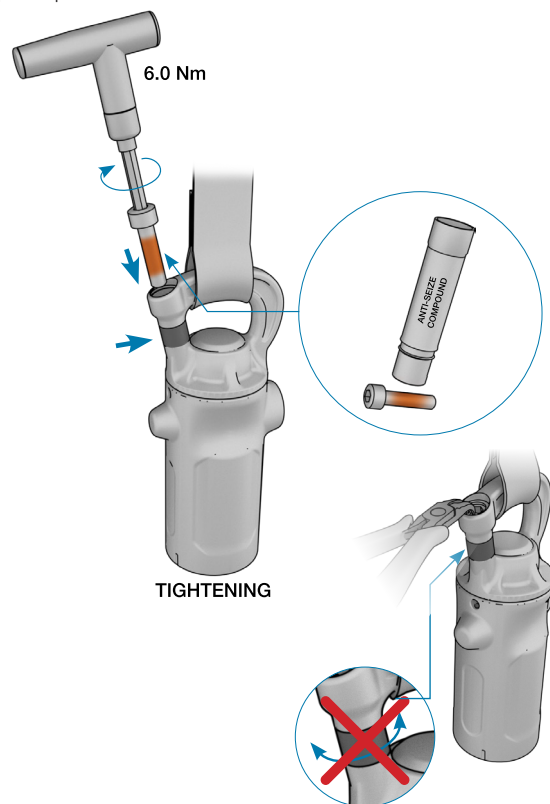
- 5 Swivel Gate / Harness Gate Bolts
- 5 Swivel / Harness Gates
- 5 Shackles
- 5 Shackle Bolts
- 10 Circlips
- 5 Black Plastic Swivel Caps

10. MOUNTING MAIN BODY TO THE AUTO BELAY LINE

Remove the Circlip, Swivel Connector Gate Bolt and Swivel Connector Gate. Fit the Swivel Connector through the Auto Belay webbing loop. Verify that the Swivel Connector Gate Bolt threads are fully formed and undamaged, bolts with missing or damaged threads must be discarded and replaced with a new part.



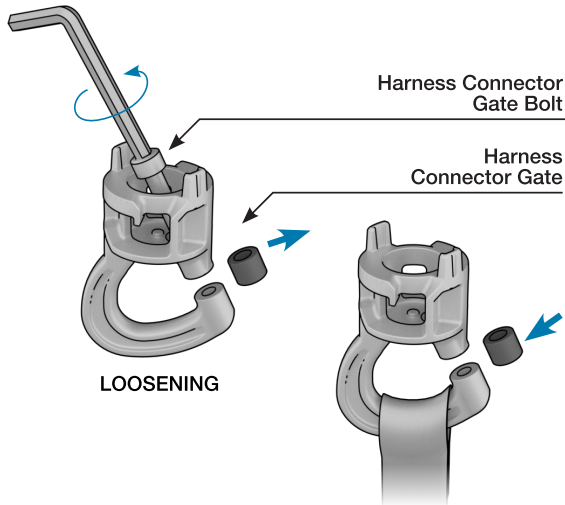
Apply a thin layer of Loctite LB 8060 Silver Grade Anti-Seize compound suitable for use on Stainless Steel to all the threaded surfaces of the Swivel Gate Bolt (following manufacturer's instructions). Fit the Swivel Gate and Swivel Gate Bolt. Avoid cross-threading by using fingers to rotate bolt anticlockwise until it 'clicks', then tighten clockwise a full two turns before using the Torque Driver to tighten the bolt to a torque value of 6.0 Nm (+/- 0.5 Nm). Verify the Swivel Gate has no play and cannot be rotated. Fit the Circlip into position.



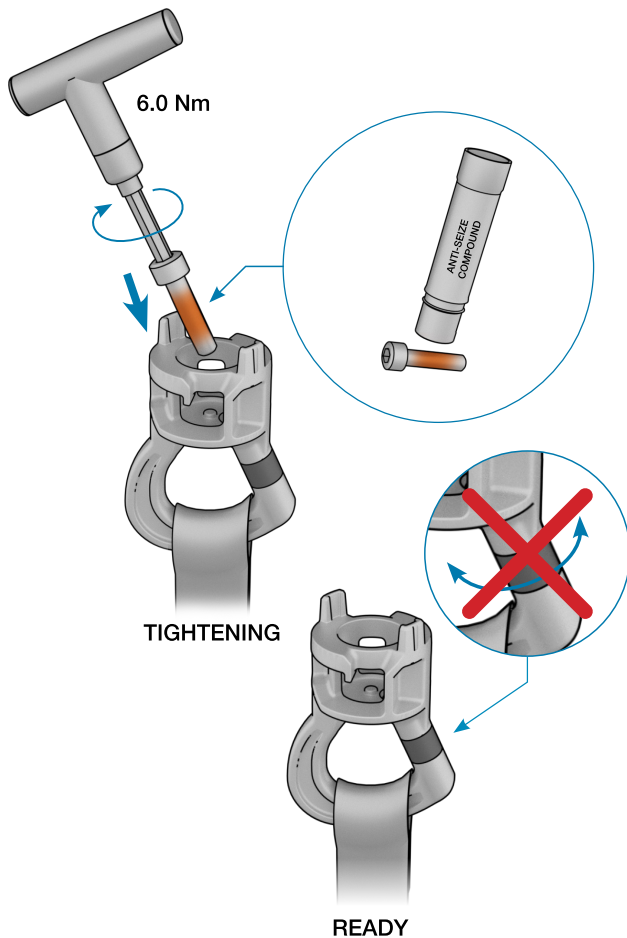
WARNING - It is very important to align the Swivel Gate with the internal edge of the stainless steel casting to avoid excess wear of the Auto Belay webbing

11. MOUNTING HARNESS CONNECTOR TO CLIMBING HARNESS

Remove the Harness Connector Gate Bolt and Harness Gate. Fit the Harness Connector through the Harness anchor webbing loop. Verify that the Harness Connector Gate Bolt threads are fully formed and undamaged. Bolts with missing or damaged threads must be discarded and replaced with a new part.



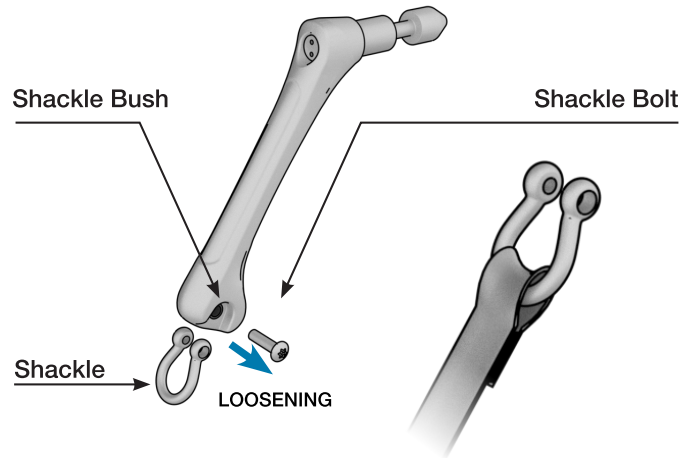
Apply a thin layer of Loctite LB 8060 Silver Grade Anti-Seize compound to all the threaded surfaces of the Harness Connector Gate Bolt (following manufacturer's instructions). Fit the Harness Gate and Harness Connector Gate Bolt. Avoid cross-threading by using fingers to rotate bolt anticlockwise until it 'clicks', then tighten clockwise a full two turns before using the Torque Driver to tighten the bolt to a torque value of 6.0 Nm (+/- 0.5 Nm). Verify the Harness Gate has no play and cannot be rotated.



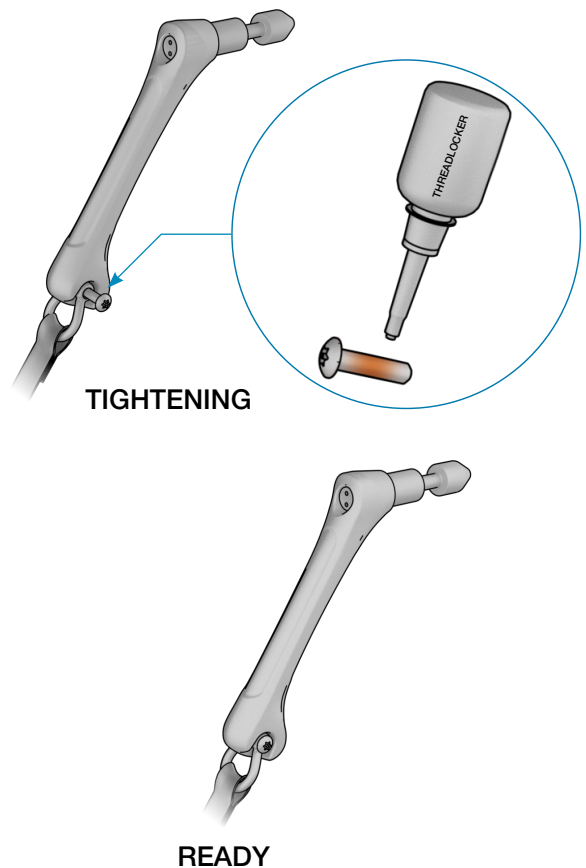
WARNING - It is very important to align the Swivel Gate with the internal edge of the stainless steel casting to avoid excess wear of the Auto Belay webbing

12. MOUNTING GROUND ANCHOR CONNECTOR TO SAFETY BARRIER MAT OR GROUND FIXATION POINT

Remove the Shackle Bolt and Shackle. Fit the Shackle through the Safety Barrier Mat webbing loop or to the ground fixation point webbing loop.



Apply Loctite 243 Threadlocker (medium strength) to the Shackle Bolt threads (ensure Loctite does not come into contact with plastic components).



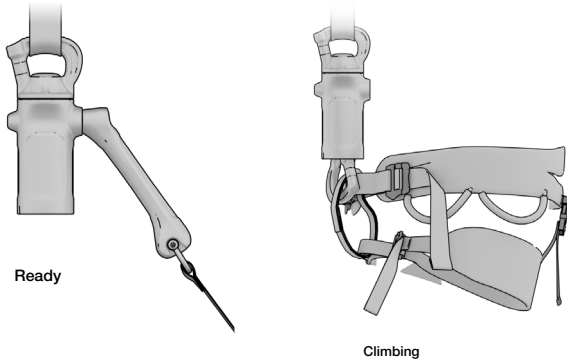
Fit the Shackle to the Ground Anchor Connector while ensuring the Shackle Bush remains in place, fit and securely tighten the Shackle Bolt.



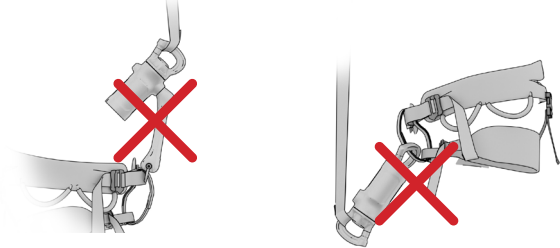
WARNING - The Ground Anchor Connector webbing position and length must prevent the user from being exposed to a fall hazard when switching the BelayMate between Ready and Climbing status.

13. PRODUCT USE

The BelayMate has two operational states: Ready and Climbing. In the Ready state, the Main Body locks the Ground Anchor Connector in place preventing the Auto Belay from retracting up the wall. By inserting and rotating the Harness Connector clockwise the BelayMate will automatically switch to the Climbing state where the Ground Anchor Connector is released and climbing can commence. When the user has returned to the ground, the BelayMate can be returned to the Ready state by inserting the Ground Anchor Connector into the Main Body, then by pushing the Harness Connector into the Main Body and rotating anti-clockwise the Harness Connector is released.



WARNING - The Ground Anchor Connector has been designed to retain the Main Body to the ground anchor point only and **MUST NOT** be used as a load carrying component in the fall arrest



WARNING - The illustration above shows a typical sit harness. Your climbing harnesses may be of a different design. You must ensure that the Harness Connector is attached to the manufacturer's specified belay loop.

14. INSPECTIONS AND MAINTENANCE

Climber safety is related to the integrity of the equipment. The manufacturer recommends regular product inspections along with a preventative maintenance schedule to help ensure the safe and reliable operation of the BelayMate product; full details can be found in the User Manual, or at BelayMate.com

Annual inspections must be carried out by a BelayMate service agent at intervals of 365 days or less, find your closest service agent at www.BelayMate.com. Record the results of your PPE inspection, including: type, model, manufacturer contact info, serial number or individual number, dates: manufacture, purchase, first use, next annual inspection; problems, comments, inspector's name and signature.

Before each use

Verify that the product components have no cracks, deformation, marks, or corrosion. Verify that the Swivel Connector rotates freely about the main axis of the Main Body. Verify that there are no foreign objects in the Main Body or Connector bores/cavities.

During use

It is important to regularly monitor the condition of the product and its connections to the other equipment in the system. Make sure that all pieces of equipment in the system are correctly positioned with respect to each other. Verify that the Harness Attachment engages smoothly into the Main Body and is locked when activated.

15. GUARANTEE

2-year guarantee against any material or manufacturing defect. Exclusions: normal wear and tear, oxidation, modifications or alterations, incorrect storage, poor maintenance, negligence, uses for which this product is not designed.

16. MAINTENANCE, SERVICING AND STORAGE

All necessary maintenance operations must be carried out by competent persons explicitly authorized and following the operational instructions provided by the manufacturer.

Cleaning

Clean with a dry cloth and/or compressed air.

Storage

Personal Protective Equipment should be stored loosely packed, in a dry, well-ventilated place, protected from direct light, extreme temperatures and corrosive or aggressive substances.

Transport

During transport, the product should be placed in a transport bag to protect it from moisture and dust.

17. ADDITIONAL INFORMATION

- You must have a rescue plan and the means to rapidly implement it in case of difficulties encountered while using this equipment.
- A fall arrest harness is the only device allowable for supporting the body in a fall arrest system.



WARNING - DANGER: take care that your products do not rub against abrasive or sharp surfaces.

- Users must be medically fit for activities at height. **WARNING:** inert suspension in a harness can result in serious injury or death.
- The Instructions for Use for each item of equipment used in conjunction with this product must be followed.
- The BelayMate User Manual must be made available to the user of this equipment, in the language of the country where the equipment is used.
- Make sure the markings on the product are legible.

When to retire your equipment



WARNING - An unusual event may require you to retire a product after only one use. This may occur depending on the type and intensity of use, or the environment in which it is used: aggressive environments, sharp edges, blunt impacts, extreme temperatures, chemicals etc

A product must be retired when:

- It has been subjected to a major fall (or load).
- It fails to pass inspections as outlined in the User Guidelines or if you have any doubt as to its reliability
- The product history is unknown
- When it becomes obsolete due to changes in legislation, standards or is incompatible with other equipment

Retired products must immediately be removed from service and destroyed, or returned to an authorized service centre.



Service Plug

Retain the Service Plug and packaging for use when returning BelayMate for servicing or repair



WWW.BELAYMATE.COM