



# Manual for MightyLock



The following manual is to be used in combination with the illustrations in each section.

Only the techniques that are not crossed out or shown with a skull and cross-bones should be used. All techniques shown with the above illustrations are expressly forbidden and may result in severe injury or death.

Please regularly check for updates and new information on this product at our website: [www.balancecommunity.com](http://www.balancecommunity.com). Please do not hesitate to reach out with any questions or concerns.

Thank you for your purchase! We hope you enjoy your new MightyLock. We appreciate your trust and interest in Balance Community's products and do hope you can get much use out of them.

Please take the time to go through this manual to familiarize yourself with this device. There are a number of nuances and specific use-cases that are important to know about before trusting your life to this device.

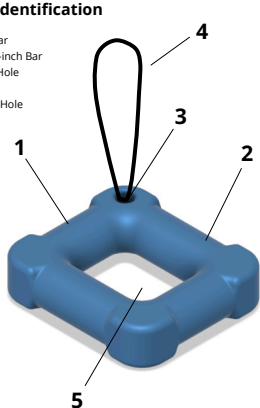
If you ever have any questions about your device and/or how to use it, please feel free to reach out to us at the contact information on the last page of this manual.

- The Balance Community Team

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## 1. Part Identification

- 1.) 20 mm Bar
- 2.) 25 mm/1-inch Bar
- 3.) Lanyard Hole
- 4.) Lanyard
- 5.) Webbing Hole



## 2. Specifications

3-Sigma Minimum Breaking Strength (MBS): **42.0 kN** (9,450 lbf)  
 Working Load Limit (WLL): **10.0 kN** (2,250 lbf) \*  
 Design Factor: **4 to 1**

Approved Webbing Widths: **17.0 mm - 26.0 mm \*\***  
 Approved Webbing Thicknesses: **0.5 mm - 4.0 mm**  
 Bar Diameter: **12.0mm** (0.47 inches)

Material: **Aluminum 7075-T651**

Lanyard Material: **Polyamide (Nylon)**

\* The working load limit is based on a 4:1 design/safety factor. You must decide if that is sufficient in your situation and circumstance.

\*\* Standard 1-inch slackline webbings fall within these parameters.

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## Warning

- Activities that involve the use of the MightyLock are inherently dangerous and carry a significant risk of injury or death that cannot be eliminated.
- It is the user's responsibility to obtain specific training and to use it safely. These instructions DO NOT tell you everything you need to know.
- Do not use unless you can and will understand and assume all risks and responsibilities for all damage/injury/death that may result from use of this equipment or the activities undertaken with it.
- Any device is subject to failure: carefully check before and after each use.
- You must always have a backup: never trust a life to a single tool.
- Everyone using this equipment must be given and thoroughly understand the instructions and refer to them before each use.
- You must have a rescue plan and the means to implement it. Inert suspension in a harness can quickly result in death!
- Do not use around electrical hazards, moving machinery or near sharp edges or abrasive surfaces.
- Balance Community, LLC is not responsible for any direct, indirect or accidental consequences or damage resulting from the use of our products
- Neither the manufacturer nor the vendor can be held liable for direct or indirect physical, property, consequential or collateral damage arising from the use of this device. **Use this device at your own risk!**
- **It's absolutely necessary to have a tail tie-off when using the MightyLock. Do not put any weight onto your slackline until the tails on your webbing anchors are tied off properly, according to the diagram in section 11!**

## 3. Intended Use

The MightyLock is a webbing anchoring device and should only be used with energy absorbing systems (such as dynamic webbings, energy absorbers, etc..) and slack must be kept out of the system to prevent high impact falls. It is intended for use by medically fit, specifically trained and experienced users.

The device is only suited for holding tension on slackline webbing. The MightyLock may not be used as personal protective equipment (PPE), fall protection, means of climbing protection, or for mountain rescue - it is not certified for these uses.

The user is responsible for the surveillance of the operating and working load.

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## 4. Approved Webbing Types

The MightyLock can be used with any webbing within the 17 mm - 26 mm width that is marketed as a slackline webbing. There is a thickness maximum of 4.0 mm. Beyond this thickness, you will be unable to properly install the webbing in the device. If the webbing fits in the device, you are okay to use it (provided it meets the width criteria).

## 5. Storage, Transport, Care, and Lifespan

If it is necessary, you can clean the MightyLock with fresh water, then allow it to dry completely before storing. Store the MightyLock in a dry place away from extremes of heat and cold and avoid chemical exposure.

Moisture, ice, salt, sand, snow, chemicals and other factors can prevent proper operation or can greatly accelerate wear.

Check all parts for cracks, deformation, corrosion, wear, etc. Verify that the pin operates normally. Verify that Both the 20mm and 25mm Bars are free from burrs that could damage soft goods. Regularly inspect and monitor your system, confirming proper connections, equipment position, fully locked connectors, etc.

Repairs or Modifications to the MightyLock and it's various parts are not permitted and only allowed by the manufacturer or those authorized in writing by the manufacturer.

The lifespan of the MightyLock greatly depends on the usage. In extreme cases, the MightyLock can be retired after the first use. Monitor your device and pay close attention to how much use it has gotten.

Retire the MightyLock from service and destroy it if it is significantly loaded beyond the WLL in any configuration, does not pass inspection or there is any doubt about its safety, is misused, altered, damaged, or exposed to harmful chemicals, or if the front pin does not operate normally. Consult the manufacturer if you have any doubts or concerns.

## 6. Guarantees and Warranties

Limited Warranty: for one year following purchase to the original buyer. We warrant that our products are free from defects in material and workmanship. Excluded from this warranty are normal wear and tear, modifications and changes, as well as damage caused by misuse.

A full device recall is only applicable to new and unused products.

## 7. Additional MightyLock Resources

Please visit the following page on our website to obtain the latest information on the MightyLock, including tests done, usage techniques, and safety information:

<https://www.balancecommunity.com/pages/mightylock-info>

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## 8. Approved Connectors

There are many connectors that appear to work with the MightyLock, but not all are suitable. Below you will find helpful information regarding the various types of connectors that are compatible with the MightyLock.

### 8a. Metal Shackles

Metal shackles are the primary and recommended connector to be used with the MightyLock. However, the type and size of your shackle you use depends on the width of webbing you are using. Please see the chart below:

#### 23 mm - 26 mm/1-inch wide webbing

- BC Shackle SS - Bow side or pin side
- Standard 12mm stainless steel bow shackles - Bow side or pin side

#### 19 mm - 22 mm wide webbing

- Van Beest 1/2" anchor shackle - Bow side or pin side
- Standard 10mm stainless steel bow shackles - Bow side or pin side

#### 17 mm - 19 mm wide webbing

- Van Beest 7/16" anchor shackle - Bow side or pin side

### 8b. Soft Shackles

Soft shackles are not to be used with the MightyLock. There is a massive variance on breaking values from webbing to webbing and how the device is loaded with the particular soft shackle, we cannot recommend the use of this connector-type with the MightyLock.

### 8c. Quicklinks

Quicklinks, even though they may fit on the bite of webbing, should not be used to anchor this device. The tight bend radius that is inherent in the design of quicklinks can cause major damage to your webbing at values much lower the MBS and approaching the WLL of both the webbing and MightyLock.

### 8d. Carabiners

Carabiners are okay to use with the MightyLock for any low slacklines. Any slackline that is at heights or is a life-critical line may not use carabiners in combination with the MightyLock.

Carabiners, in general, are not suitable as connectors for a slackline at height. They have been known to fail prematurely due to the way slackline webbings load the carabiner in an unfavorable way.



### Please adhere to the WLL of connectors

Please note that the working load limit on a lot of these connectors is lower than the working load limit on the MightyLock. Please design and build your systems based on the lowest working load limit in the system.

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## 8. Webbing Installation

The MightyLock has two main installation configurations. Which one you use depends on the width of the slackline webbing you are anchoring. A 21 mm - 25 mm (1-inch) slackline webbing will use the 25 mm bar to wrap around. Any webbings 20 mm or less will use the 20 mm bar to wrap around.

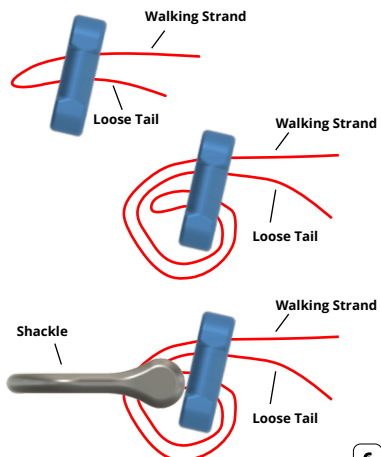
**Step 1** - Form a bight on your slackline webbing where you want to anchor it. Make sure the walking strand is on the top and the tail is on the bottom.

**Step 2** - Pass the bight of webbing through the Webbing Hole, with the 25 mm Bar at the bottom. Ensure the Lanyard hole is at the bottom with the Lanyard pointing in the direction you are passing the bight through.

**Step 3** - Pass the bight around the 25 mm Bar and up through the Webbing Hole again, under the previous pass. The walking strand should be on the outside when complete.

**Step 4** - Attach your connector to this bight, ensuring to properly seat the webbing in the MightyLock and the MightyLock on the connector.

**Step 5** - Ensure your connector is properly closed. Give a tug on both strands of webbing coming out of the MightyLock.



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## 9. Webbing Installation Considerations



### Do Not Pull on the Loose Tail!

Reverse loading of the MightyLock, where you are loading the Loose Tail shown on Page 6, is not permitted. Webbing has been known to slip and melt when using that configuration and should be avoided at all costs.



### Do Not Pull on Both Strands!

Pulling on both strands of webbing coming out of the MightyLock in opposing directions is not permitted. Webbing that is loaded like that can break as low as 50% of the MBS. This is not a permitted usage for the MightyLock



### Ensure Proper Alignment on Connector!

Before loading the slackline, ensure your MightyLock is sitting on the connector with a good orientation. Ensure the square corners of the MightyLock are in contact with the Lobes of the shackle. This is where you will notice if the correct shackle size is being used. If the Square Corners cannot reach both shackle Lobes, your shackle is too large for this orientation of MightyLock and webbing width.

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## 14. Legal Disclaimer

Balance Community, LLC is not liable for damage to the device or injury to yourself or other persons caused by the misuse of the MightyLock - particularly when warnings and suggestions are ignored. You confirm with your purchase of the MightyLock that you have reviewed these warnings and suggestions and understand them completely. If you decide to sell your MightyLock, please include this safety manual with the sale.

Slacklining is an inherently dangerous activity that can lead to serious injury or death. The use of the MightyLock is at your own risk. You are responsible for obtaining information on the correct usage of the device. Every user assumes all risk and accepts full responsibility for any and all damage or injury that occurs from use of the MightyLock.

The MightyLock was designed exclusively for slackline and highline use, and may not be used for other purposes. Before every use, the device should always be thoroughly inspected for damage or excessive wear described under section 5. The device should be retired immediately if anything questionable is found.

If you, the user, are not in a position to take full responsibility for the consequences that may arise from the use of this device, do not use the MightyLock.

Any person under the age of 18 must have adult supervision when using the MightyLock.

This manual is to serve as a basis of understanding for using the MightyLock. It is not exhaustive. You are responsible for obtaining up-to-date information regarding the proper use of this product.

## 15. Manufacturer Contact

Balance Community, LLC  
 Lyons, CO 80540  
 USA

Website: [www.balancecommunity.com](http://www.balancecommunity.com)

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Please report any and all accidents or incidents to the International Slackline Association (ISA) through their Slackline Accident and Incident Report (SAIR) form through the following link:

<https://sair.slacklineinternational.org>

Balance Community, LLC is an industry partner of the ISA. You can view more information about this association at their website here:

<https://www.slacklineinternational.org>

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