



Manual

for

Alpine WebLock 6.0/6.1



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. Please do not hesitate to reach out with any questions or concerns.

Thank you for your purchase! We hope you enjoy your new Alpine WebLock 6.0 (AWL6). 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.

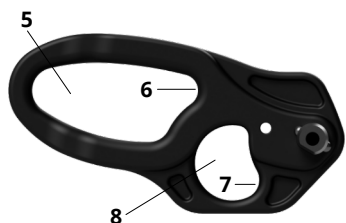
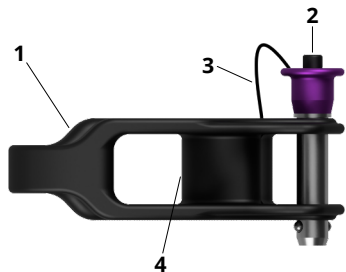
If you ever have any questions about your weblock and/or how to use it, please feel free to reach out to us at the contact information on the last page of this manual.

- The Balance Community Team

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1. Part Identification

- 1.) Body
- 2.) Front Pin
- 3.) Pin Lanyard
- 4.) Diverter
- 5.) Anchor Hole
- 6.) Upper Becket
- 7.) Lower Becket
- 8.) Diverter Hole



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Warning

Activities that involve the use of the AWL6 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 Alpine WebLock 6.0. Do not put any weight onto your slackline until the tails on your weblocks are tied off properly, according to the diagram in section 11

Adhere to the Working Load Limits (WLL)

Be aware that different configurations and uses of the AWL6 have different working load limits. Consult the specifications on the next page or diagrams on the device to learn what the working load limit is for your use-case.

DO NOT EXCEED THE WORKING LOAD LIMITS ON THE AWL6

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2. Specifications

- 3-Sigma Minimum Breaking Strength (MBS): **84.0 kN** (18,833 lbf)
- Working Load Limit (WLL): **12.0 kN** (2,698 lbf) *
- Upper Becket 3-sigma MBS: **56.0 kN** (12,600 lbf)
- Upper Becket WLL: **8.0 kN** (1,800 lbf) *
- Lower Becket 3-Sigma MBS: **70.0 kN** (15,750 lbf)
- Lower Becket WLL: **10.0 kN** (2,250 lbf) *
- Design Factor: **7 to 1**

Approved Webbing Widths: **24.0 mm - 26.0 mm ****
Pin Diameter: **12.0mm** (0.47 inches)

AWL6 Body Material: **Aluminum 7075-T651**
Pin Material: **Stainless Steel 17-4 PH**

Pin Handle Material: **Aluminum 2024**
Pin Locking Ball Material: **Stainless Steel 440C**

* The working load limits are based on a 7:1 design/safety factor. You must decide if that is sufficient in your situation and circumstance.

** Standard 1-inch slackline webbings fall within these parameters. Any webbing not advertised as a 1-inch (or 25mm) webbing should not be used with the AWL6

3. Intended Use

The AWL6 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 tensioning, holding tension, and detensioning slackline webbing.

In addition to this, the becket and anchor of the device can be used with tensioning systems, intermediate rigging, and tying off of webbing tails. However, the two becket are not suitable for permanent or temporary attachment of backup systems or systems critical to the safety of the slackline.

The AWL6 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. Storage, Transport, Care, and Lifespan

If it is necessary, you can clean the AWL6 with fresh water, then allow it to dry completely before storing. Store the AWL6 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 the Anchor and Diverter Holes 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 AWL6 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 AWL6 greatly depends on the usage. In extreme cases, the AWL6 can be retired after the first use. Monitor your device and pay close attention to how much use it has gotten.

Retire the AWL6 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.

5. 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.

6. Approved Webbing Types

The AWL6 can be used with any 1-inch (25mm) wide webbing that is marketed as a slackline webbing. There are no thickness minimums or maximums. If the webbing fits in the device, you are okay to use it (provided it meets the width criteria).

For hi-tech webbings and webbings that are prone to slipping in weblocks (freestyle or generally slippery and thin webbings), it is recommended to use a 1.5 or double wrap in the AWL6. These methods are shown in section 10.

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7. Approved Connectors

The AWL6 is extremely versatile in the way that it can be connected to. The device has a very large anchor hole (the largest we've ever included with an Alpine WebLock). There are many connectors that will fit in the anchor hole. Below you will find helpful information regarding the various types of connectors that are compatible with the AWL6.

Note: Carabiners (according to EN 362 or EN 12275) are not to be used to anchor the AWL6 in any fashion. They may be used for temporary rigging attachment or in conjunction with the tail tie-off methods, but they are not to be used to attach the AWL6 to your anchor.

Note: Quicklinks, even though they may fit on the anchor hole of the AWL6, 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 the anchor hole and lead to further damage on other parts of your rig.

7a. Metal Shackles

A variety of sizes of metal shackles can be used on either the Bow or Pin side to anchor the AWL6.

Please note that the working load limit on a lot of these connectors is lower than the working load limit on the AWL6. Please design and build your systems based on the lowest working load limit in the system.

Here is a list of compatible shackles:

- BC Shackle SS - Bow side or pin side
- Standard 10mm & 12mm stainless steel bow shackles - Bow side or pin side
- Van Beest Green Pin 7/16-inch and 1/2-inch anchor shackles (1.5 tonne and 2.0 tonne, respectively) - Bow side or pin side

7b. Soft Shackles

One of the most secure, strong, and ideal ways of anchoring the AWL6 is to use a soft shackle. The design and geometry of the AWL6 is optimized for this type of connector and so it should be prioritized if available.

Please use soft shackles made from quality materials such as Samson's Ansteel Blue or any other 12-strand rope made from Dyneema fibers. Take care to know where your soft shackles and the rope it is made from are sourced to ensure it meets the quality and strength standards to pair with the AWL6.

Please use a minimum size of 5mm for your soft shackles, with 6mm be ideal. Your soft shackle should have a minimum breaking strength of at least 48 kN to be compatible with the AWL6.

Take notice that the nose of the soft shackle is properly closed around the knot. Position the knot of your soft shackle to be directly next to the anchor hole on the AWL6, such that when the nose is installed, it is pulling perpendicular to the knot.

7c. Soft Release

The AWL6 comes with a feature where you can directly thread a soft release onto the device. It is recommended to use a soft release with thin webbing, under 1.5mm in thickness, in order to be able to pass 6-strands through the device and still have enough room to install your slackline webbing.

To thread the soft release onto the AWL6, you will need access to the non-sewn end. Pass this end down through the top of the AWL6, behind the center diverter. Do this pass 6 times to complete the threading.

Please consult the video linked at the end of this manual for more information on installing a soft release on the AWL6.

Please follow the specific directions in the manual of the soft release you have for any specific information.

7d. Rope, Round Slings, and other Soft Connectors

Due to the massive anchor hole on the AWL6, the device is compatible with a ton of different soft connectors. The most widely used option is directly threading the device onto a rope anchor. The large anchor hole will accept several strands of 8 - 11mm rope.

Another commonly used option is to directly thread the device onto a Round Sling (Spanset). You can fit a few strands of either Purple or Green round slings through the anchor hole.

Lastly, other soft connectors are also compatible with the AWL6. Items such as Dyneema climbing slings, webbing slings, or Adjustable Anchor Webbing. All of these items can be passed through the anchor hole on the device without worry or risk of damaging the device.

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8. Webbing Installation (single wrap)

The standard installation method, called the "Single Wrap", is acceptable to use with either Polyester or Nylon slackline webbings fitting the criteria in section 4 - Approved Webbing Types.

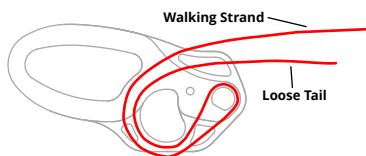
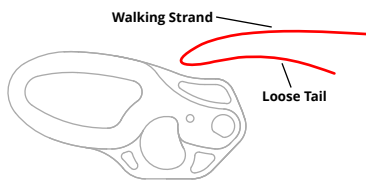
Step 1 - Form a bight on your slackline webbing where you want to anchor it. Make sure the walking strand is on the top and the tail is on the bottom.

Step 2 - Pass the bight of webbing down through the AWL6, behind the center diverter.

Step 3 - Wrap the bight around the center diverter and up towards the front pin.

Step 4 - Remove the front pin and position the bight over the hole.

Step 5 - Reinstall the pin so that it captures the bight.



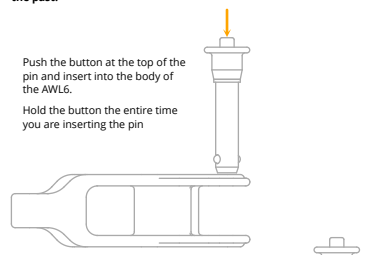
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9. Operating the Front Pin

The front pin operates with a 2-action movement. It locks closed with two steel locking balls, located at the end of the pin.

It's imperative that these locking balls are fully exposed and locked in the out position. It's also imperative that the front pin is fully inserted into the AWL6 before any load is put onto the device.

Please note, the front pin on the AWL6 DOES NOT rotate. This has been done on purpose to aid in the anti-slippage measures as well as prevent any sort of front pin issues. Take note that it may operate differently than other pins of similar functionality that you may have operated in the past.



Ensure the pin is pushed all the way into the body of the AWL6.

Visually check that both locking balls are in the fully extended position, as in the picture to the right.

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10. Alternative Webbing Installations

In certain situations, the standard "Single Wrap" webbing installation method will not be sufficient for holding tension on your webbing. These situations include, but are not limited to: high tech webbing usage (webbing made from Dyneema, UHMWPE, Vectran, Kevlar, Technora, or other high tech fibers), thin and lightweight tubular nylon webbings (Freestyle), or thin and light webbings in general.

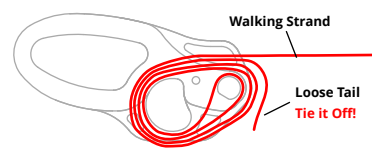
In these circumstances, you may experience slippage in your AWL6 with a standard "Single Wrap" webbing installation. Instead, we recommend using one of the following webbing installation methods.

Please note, pretensioning is not possible with either of these methods.

10a. 1.5-Wrap Method



10b. Double-Wrap Method



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Take Caution When Using Metal Connectors

Metal connectors can cause burrs and scuffs to the anchor hole on your AWL6. This is particularly true when using metal connectors that have a bend in them, such as the bow side of a shackle. This can eat into the sides of the anchor hole, causing damage to the aluminum body. It's best to stick to hard connectors if this has already occurred on your device.

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11. Tail Tie-Off Methods

You MUST Tie Off Your Webbing Tails!

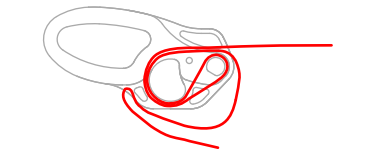
It has been shown through numerous studies and incident reports that weblocks that do not have their tail tied off, **100% will slip**. There is no end to the slippage, either. Your webbing will slip through the AWL6 until the very end.

Not only will the webbing slip, but there is a big change that the tail of your webbing will dislodge itself from the walking strand (tail-walk), leading to a full device failure.

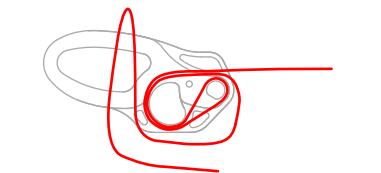
DO NOT SET FOOT ON THE LINE UNTIL THE TAILS ARE TIED OFF!

11a. Recommended Tail Tie-Off Method

Step 1 - Form a bight in the tail of the slackline webbing coming out of the AWL6. Make this bight about 1m long (2m of webbing).

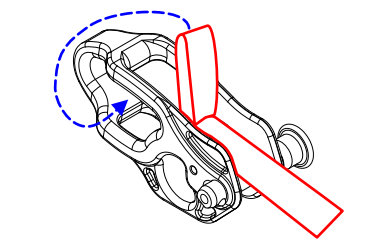


Step 2 - Wrap this bight around the diverter and up through the AWL6 in the space between the diverter and the rear interface

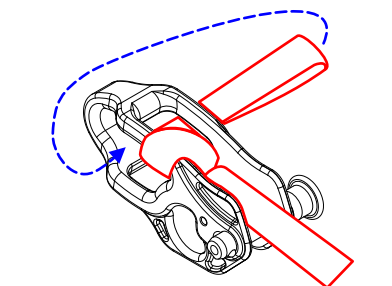


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Step 3 - Take this bight and wrap it up over one of the sides of the AWL6 and around and all the way through the anchor hole

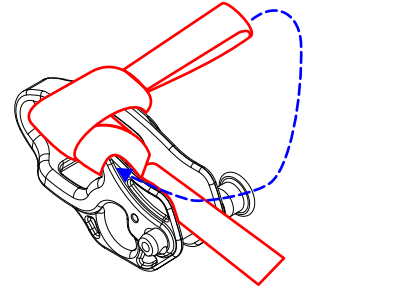


Step 4 - Continue wrapping the bight around the top-side of the AWL6 body and then back through the anchor hole one more time.

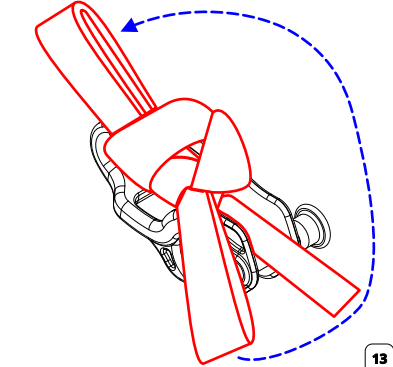


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Step 4 - Now that the bight is wrapped around the AWL6 body and through the anchor hole twice, we can finish the knot. Pass a bight on the bight (4 strands of webbing) underneath both wraps.

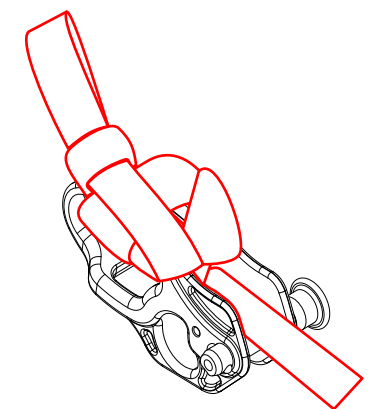


Step 5 - Tighten up all the strands within the tail tie-off. Get them as tight as you possibly can by working your way through the passes of webbing, starting at the first one, working towards the final pass.



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Step 6 - Now that the tail tie-off is tight, we can form a single or multiple daisy chain with the remaining bight length. Pass either a 4-strand bight or the end of the original bight through the 4-strand bight formed in Step 5. Then Cinch it down tight.



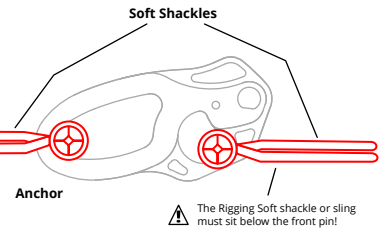
Monitor the state of your Tail Tie-Off

Due to the rampant slippage issue with weblocks, your Tail Tie-Off is bound to get loaded and sometimes get to the point to where you cannot open it easily. It is recommended to periodically check the state of your tail tie-off. If it's starting to get tight, re-tie it.

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Lower Becket

This location is best used for rigging that needs to occur **BELOW** the tensioned slackline (when rigged right-side-up).



The AWL6 will torque when using the lower becket!

Due to the geometry and location of the lower becket, the AWL6 will torque upwards when the lower becket is loaded. This is totally normal and within the working conditions of the device.

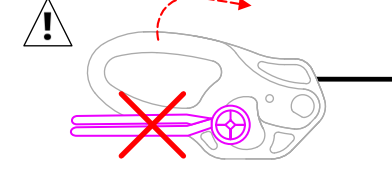
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13. Other Considerations

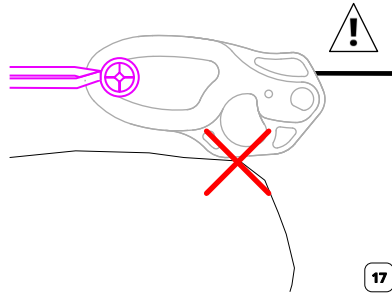
Below you will find some additional usage scenarios which should be **AVOIDED!**

We are not able to cover every scenario that will result in a failure or damage to your equipment, so please use your AWL6 only as described in this manual.

The AWL6 should **NEVER** be anchored through the Diverter Hole. This will result in the device spinning and the webbing slipping out, resulting in a full line failure!

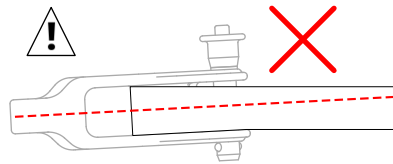


The AWL6 should always be rigged such that it is free-floating and not able to touch rock, trees, or anything but the webbing and anchoring material. Remember to consider the flex of the line during usage.

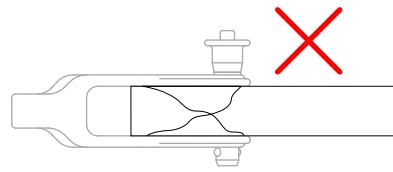


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Insure that your slackline webbing that is installed in the AWL6 is aligned with the device. Do not allow the webbing to dig into the side-plates of the AWL6



Insure that the slackline webbing that is installed in the AWL6 does not have any twists within the weblock. The webbing needs to remain flat through the entire device for it to function properly.



Other Precautions

- Take caution when pre-tensioning your slackline to not allow hair, rocks, dirt, or any other foreign objects into the device as it can damage the webbing, device, and objects.
- Always check your connectors to ensure they are closed properly. Slacklines endure cyclic loading through normal usage, which can result in vibrations through-out your rig, potentially opening connectors that weren't properly closed.
- Always ensure that the width of your slackline webbing falls within the range of acceptable slackline webbing widths printed on the device and in the specifications section of this manual (section 2)

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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 AWL6 - particularly when warnings and suggestions are ignored. You confirm with your purchase of the AWL6 that you have reviewed these warnings and suggestions and understand them completely.

If you decide to sell your AWL6, 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 AWL6 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 AWL6.

The AWL6 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 4. 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 AWL6.

Any person under the age of 18 must have adult supervision when using the AWL6

This manual is to serve as a basis of understanding for using the AWL6. It is **not exhaustive** for obtaining up-to-date information regarding the proper use of this product.

15. Additional AWL6 Resources

Please visit the following page on our website to obtain the latest information on the Alpine WebLock 6, including tests done, usage techniques, and safety information:

<https://www.balancecommunity.com/pages/awl6-info>

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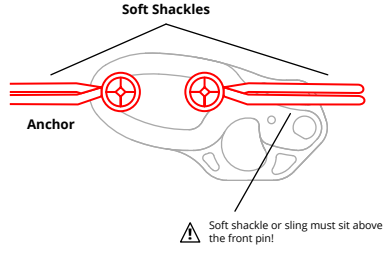
12. Using the Baskets

One of the key functionalities of the AWL6 is it's two high strength baskets. These two rigging locations can be used for any type of rigging pulling against the anchor. A common use-case for this is tensioning your slackline.

To use either of the two baskets, you must use a synthetic sling through the AWL6 to bring your hard connector out away from the device. A short, 5mm soft shackle works well for this.

Upper Basket

This location is best used for rigging that needs to occur **ABOVE** the tensioned slackline (when rigged right-side-up).



No Hard Connectors on the Baskets!

Due to the geometry of the AWL6 Baskets, you may not use hard connectors without risk of damaging the device and/or connector. Only soft shackles and slings should be used.

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16. Manufacturer Contact

We at Balance Community LLC are always available to answer your questions about this product or slacklining in general. Please feel free to reach out at any time and we will always get back to you with as much information as we can.

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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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