REV 1.2 - 2024.12.18

BALANCECOMMUNITY

Manual

for

Wafer 2.0

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 Wafer 2.0! We appreciate your trust and interest in Balance Community's products and do hope you can get much use out of them.

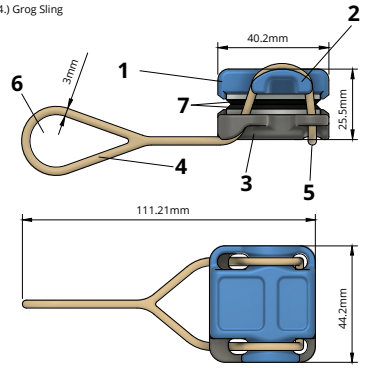
Please take the time to go through this manual to familiarize yourself with this device. There are a number of nuances and specific use-cases that are important to know about before trusting your life to this device.

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

1. Part Identification and Dimensions

1.) Hook Plate
2.) Hook
3.) Fixed Plate
4.) Grog Sling
5.) Grog Join
6.) Anchor Hole
7.) Rubber Plates



2. Specifications

Working Load Limit (WLL): **4.0 kN** (899 lbf)
Weight: **68 g** (2.40 oz.)
Approved Webbing Widths: **16 - 27 mm** (0.63 - 1.06 in.)

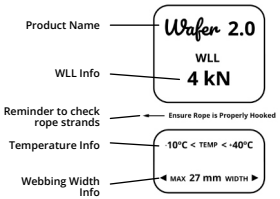
Body Material: **Aluminum 7075**
Rubber Material: **LineGrip Signature Rubber**
Sling Material: **Amsteel Blue, coated Silver**

Common Slippage Threshold (CST): **7.5 kN** (1,686 lbf)
Operating Temperatures: **-10° to +40° C** (15° to 105° F)

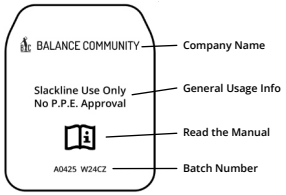
The Wafer 2.0 is Assembled in the USA from parts manufactured in China, Germany, & USA.

3. Product Markings

Hook Plate



Fixed Plate



4. Approved Connectors

The Wafer 2.0 is approved with the following connectors:

- Roller Carabiners
- Aluminum Carabiners
- Steel Carabiners
- Shackles with a pin diameter between 8 and 12 mm

Do not use soft connectors with the Wafer 2.0 as they can damage the Grog Sling .

⚠ Warning

- Activities that involve the use of the Wafer 2.0 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!**

⚠ Adhere to the Working Load Limits (WLL)

Be aware that different configurations and uses of the Wafer 2.0 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 WLL ON THE WAFER 2.0

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. Intended Use

The Wafer 2.0 is a webbing grip 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 attaching oneself to a highline with a tether.

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

Please note: When combining this product with other components, the safety aspects of the Components may interfere with each other. It is up to the user to determine if the combination of components is safe, according each components design and instructions.

7. Storage, Transport, Care, and Lifespan

Avoid contact with heat, abrasive and sharp objects, corrosive substances or solvents. Wash with clean water and if necessary, add a small amount of neutral soap to remove persistent dirt. To disinfect, use diluted ammonium salts according to the safety instructions provided. If the Wafer 2.0 is damp or wet, leave it out to dry in shade or away from direct heat sources.

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, burrs, etc. Verify that the metal parts on the Wafer 2.0 are free from burrs and deep scratches that could potentially damage soft goods. Ensure the Rubber Plates are intact and without any damages. Ensure the Grog Loop is free from gnarling and properly spliced. Regularly inspect and monitor your system, confirming proper connections, equipment position, fully locked connectors, etc.

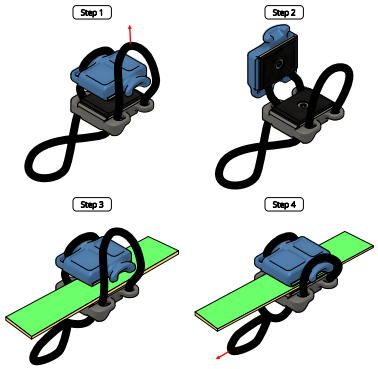
Repairs or Modifications to the Wafer 2.0 and it's various parts are not permitted and only allowed by the manufacturer or those authorized in writing by the manufacturer.

The lifespan of the Wafer 2.0 greatly depends on the usage. In extreme cases, the Wafer 2.0 can be retired after the first use. Monitor your device and pay close attention to how much use it has gotten.

Retire the Wafer 2.0 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 chemical. Consult the manufacturer if you have any doubts or concerns.

It is acceptable to swap out the Rubber Plates on your device if they need to be changed. Please consult the changing rubber instructions in section 10.

8. Installing Wafer 2.0 onto the Webbing



Step 1: Pull the Grog Sling off the Hook on the Wafer 2.0

Step 2: Swing open the Hook Plate

Step 3: Insert the webbing between the Fixed Plate and Hook Plate, with the direction of pull going towards the same direction as the anchor loop on the Grog Sling.

Step 4: Close the Hook plate over the webbing and reinstall the Grog Sling on the Hook.

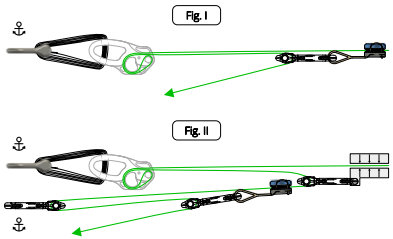
To release the Wafer 2.0, or readjust its position on the webbing, push the Grog Sling into the plates to loosen the clamping force, then slide the Wafer 2.0 slowly along the webbing.

Please note: Always ensure the webbing is properly aligned within the Wafer 2.0. Do not allow the webbing to twist inside the Wafer 2.0. Always check your tensioning direction to ensure you are not pulling backwards on the Wafer 2.0.

⚠ Do Not Use as a Webbing Anchor

The Wafer 2.0 is not designed to anchor webbings in any way. It is only to be used as a temporary holding solution while a proper webbing anchor is installed. Do not apply any critical loads on the webbing while the Wafer 2.0 is holding the tension.

9. Tensioning With the Wafer 2.0



The Wafer 2.0, when combined with roller carabiners, weblocks, and soft releases, can be used to tension a slackline in a number of configurations. Above we have 2 common configurations that are often used.

Figure I - The standard 3:1 Buckingham system, which requires a single Wafer 2.0, a weblock with soft release, and a single roller carabiner. This produces a 3:1 mechanical advantage with the weblock being the progress capture system.

Figure II - This is a 9:1 Buckingham system, which requires a full-sized webbing grip, a Wafer 2.0, a weblock with soft release, and 3 roller carabiners. This stacks a 3:1 multiplier on top of the base 3:1 Buckingham system, resulting in a 9:1 mechanical advantage. This system should be used sparingly as it places a great deal of stress on the slackline webbing traveling through the weblock. Your actual mechanical advantage is much lower than 9:1 due to this friction. It also requires resetting your grips very often.

Note: When using the 9:1 system, the main webbing grip used (the grip on the far right of each diagram) needs to be a full-sized grip. There is a lot of force at this point in the system, so high grip strength is a must. The Wafer 2.0 should not be used in this location. This also applies to the 3:1 Buckingham system when pulling with more than one person. Always use a full size grip if you are pulling with 2 or more people.

⚠ Be Aware of your Webbings Slippage Threshold

Different webbings perform differently in webbing grips. Most notably, high tech webbings made with Dyneema or HMPE fibers have been known to slip well below the CST of all webbing grips. Be aware that when using the Wafer 2.0 with this type of webbing, you may observe slippage below the CST and even below the WLL of the Wafer 2.0.

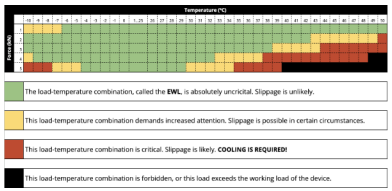
Do not rely on the grip strength of the Wafer 2.0 when rigging these types of lines. Always have a backup or secondary grip on the line and opt for full sized grips.

10. Notes on the Rubber

The Wafer 2.0 uses rubber plates made from signature LineGrip rubber. These rubber plates are battle tested and extremely reliable for gripping onto most slackline webbings. There are exceptions and caveats to this reliable grip.

1.) The Rubber plates do not grip onto Dyneema or HMPE fibers. When attempting to grip this type of webbing, you will experience slippage far below the WLL of the Wafer 2.0. It is recommended to not try and grip these types of webbings. Instead, you should be using a low-tech webbing at this point in your line in order to prevent any catastrophic slippage events.

2.) The grip of the rubber plates depends greatly on the ambient temperature. In temperatures below -5 °C and higher than 30 °C, the grip strength reduces significantly. Refer to the chart below for information on heat-related grip reduction.



To cool the device off while using in warm ambient temperatures, you can wrap a cloth around the device to hide it from direct sunlight. Or, in very hot ambient temperatures, you can dump water on the cloth to further cool the device. If you are without a cloth, you can dump water directly on the device to cool it. The water will not only cool the rubber plates, it will also add some friction to the webbing to further increase the grip.

The most important thing about using the Wafer 2.0 in hot weather is to keep the device out of direct sunlight. Keep it shaded and cool and the grip will be reliable.

For more information on the rubber plates used on the Wafer 2.0 and other webbing grips, please visit the website below:

https://www.linegrip.com/linegrip-safety-warnings/

11. Replacing Rubber Plates

As the Wafer 2.0 is used over time, the rubber plates will begin to wear down. With enough usage, the Rubber will reach a point that it needs to be replaced. For information on what to look for and reasons why it is important to change your rubber plates, please visit the following link:

https://www.linegrip.com/knowledge-base/replace-rubber-plates-every-2-years/

To replace the rubber plates on your Wafer 2.0, you will need the following tools:

- T20 Torx Drive/Wrench

Steps to remove and replace your Rubber Plates

1.) Unscrew the single screw on each Wafer 2.0 Rubber Plate.

2.) Remove both rubber plates from the Wafer 2.0

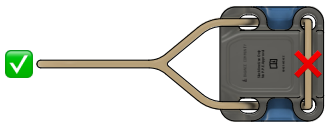
3.) Insert your new Rubber Plates with the rubber side facing up on both sides.

4.) Insert and tighten the new screws. If you have a torque wrench, the screws should be tightened to 2.2 Nm.

5.) Discard the old rubber plates along with their screws.

12. Common Failure Modes

A common failure mode for the Wafer 2.0 is pulling on the wrong side of the Grog Sling. The side that you clip your connector to should be the side that the Balance Community Logo is situated. Do not pull on the back part of the sling (side with the Batch Number)



Another common failure mode is not properly hooking the Grog Sling over the hook on the hook plate. Not properly wrapping the Grog slings around the hook on the Wafer 2.0 can cause premature slippage, often well below the WLL for the device. Ensure the hook is properly wrapped around with the Grog Sling before loading the device.

13. 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 Wafer 2.0 - particularly when warnings and suggestions are ignored. You confirm with your purchase of the Wafer 2.0 that you have reviewed these warnings and suggestions and understand them completely. If you decide to sell your Wafer 2.0, 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 Wafer 2.0 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 Wafer 2.0.

The Wafer 2.0 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 Wafer 2.0.

Any person under the age of 18 must have adult supervision when using the Wafer 2.0.

This manual is to serve as a basis of understanding for using the Wafer 2.0. **It is not exhaustive**. You are responsible for obtaining up-to-date information regarding the proper use of this product.

14. Manufacturer Contact

Balance Community, LLC
Lyons, CO 80540
USA

Website: **www.balancecommunity.com**

Email: **info@balancecommunity.com**

Phone: **+1.818.527.5225**

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