



Manual for Raptor Weblock



This manual is to be used together with the corresponding illustrations.

Of the techniques shown in the illustrations, only those which are not crossed out and/or do not have a skull symbol are permitted.

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Dear user of the Raptor weblock,

Thank you very much for your trust in this AkiSlack product. To ensure safe and long-lasting fun on your slackline, we ask you to read this manual very carefully. Please familiarise yourself with the dangers and limits of this product, before using it for the first time. In particular the tensioning and walking of slacklines requires your full attention and responsible conduct. We wish you a great time and memorable moments on your slackline.

Your Aki Slacklines Team

The Raptor is a slackline weblock of the latest generation. Innovative design and modern manufacturing methods create an impressive performance.

Remarkable features are the 1-Part CNC-machined body of high strength Aluminium 7075 T651, the highly efficient hollow Evolve main diverter with 30 mm start diameter, the front pin made of high-strength stainless steel 17-4 PH and the versatile, textile friendly rear interface.

1. Specifications

Minimal break strength (MBS 3sigma): 64 kN (testing method like in ISA standard)
Maximum working load (WLL): 10 kN
Total weight: 133 g
Inner width: 26 mm
Diameter of main diverter: 30 mm (start)
Diameter of frontpin: 9,5 mm
Material body: Aluminium 7075 T651
Material frontpin: stainless steel 17-4 PH
Made in Germany, Taiwan, China
Design and Assembly by Aki Slacklines

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Warning

Activities which involve the use of the Raptor are potentially dangerous. You are responsible for your own actions and your own decisions.

Before you use the Raptor, please take note of the following points:

- Completely read this manual, contact us if you have remaining questions and uncertainties
- Familiarise yourself with the behaviour and the limits of use of the Raptor
- Slowly work your way up to higher tensions and longer slacklines
- Understand the potential risks when using the Raptor, in particular for highly tensioned slacklines
- Check the Raptor before each use for functionality and any potential damage
- Pay particular attention to specific dangers such as twists in the webbing, sideways displacement of webbing layers, leverage of shackle bolts, etc.
- Note that you have to be careful especially when using slacklines made of Dyneema and Dyneema hybrid or other high-tech fibres, printed webbing may not be used
- **The Raptor should always have a proper webbing tie-off at the loose end - please see section 9**

Working Load Limit (WLL) = 10 kN

The Raptor may only be used up to the WLL. Always adhere to the WLL of all separate components inside the complete slackline system.



Any disregard of all the aforementioned warnings can lead to serious injury or death.

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2. Intended use

The Aki Slacklines Raptor is solely intended for tensioning, the hold of tension and the detensioning of slacklines. Any other type of use is not allowed.

The Raptor must only be used with the webbing lay-up in the order described in this manual.

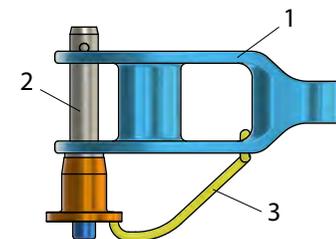
This product may only be used by competent and cautious persons. Or its use must be under constant surveillance by a competent and cautious person.

The Raptor 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 max working load of 10 kN may not be surpassed during use. The user is responsible for the surveillance of the operating and working load.

3. Naming of parts

1. Aluminium Main Body
2. Front Push Pin, 3. Pin Catchcord



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4. Suitable slackline webbing

Der Raptor can be used with slacklines between 24,5 mm and 26 mm width. The suitable max. webbing thickness is 3 mm. The Raptor is not suitable for very thick and heavy webbing (thickness above 3,5 mm).

For slacklines made of high-tech materials such as Dyneema or Vectran and webbing with rubberized printings a special webbing wrap technique according to point 8 must be used.

5. Connection options

Numerous connection and tensioning components can be attached to the Raptor directly, thanks to its versatile rear interface.

Only the options listed below are tested and approved for usage!
Carabiners (acc. to EN 362 or EN 12275) are not approved for highline use.

5.1 Soft Release

Attachment to a soft release system. We recommend the use of Aki Slacklines soft release light system.

The Aki Soft Release Light consists of a strong but only 1,4 mm thick webbing. Thus giving enough space for handling of the main webbing in the Raptor.

Please be aware of the informations given in the manual of the soft release.

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5.2 Soft Shackles

The Raptor Weblock is optimized for Soft Shackles.

Please use quality and well dimensioned Soft Shackles with high break strength. Recommended are button knot style Soft Shackles made of 5mm or 6mm Dyneema 12 strand rope with a breaking strength above 45 kN.

Please keep always an eye that your Soft Shackle is safely closed.

5.3 Spansets and Rope

Since the Raptor is a minimalistic and lightweight weblock, only Spansets with 0,5 T or 1 T Working Load are fitting.

The Raptors interface has space for 2 strands of rigging rope.



Before rigging with textile connectors ensure that the surface of the Raptors rear interface are free of burrs or sharp edges (possibly from rigging with metallic connectors)!

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5.4 Metallic shackles and quicklinks



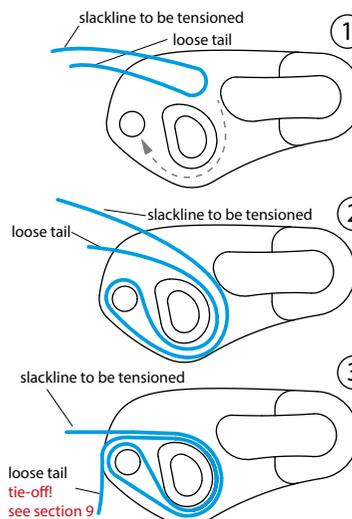
Metallic connectors might create sharp pressure marks or burrs on the aluminium body of the Raptor. (Please take care using textile connectors afterwards)

Following metallic connectors are fitting:

- standard stainless steel shackles with 12mm bolt dia (both bolt and bow side)
- standard stainless steel shackles with 10mm bolt dia (both bolt and bow side)
- Green Pin shackle WLL 1.5 To (both bolt and bow side)
- Quicklinks with 8mm and 10mm stock diameter
- Carabiners may not be used due to cyclic load and triloading issues

6. Installing the webbing (single wrap)

The normal or single wrap is a safe and reliable installation method for polyester or polyamide webbing up to the working load limit of 10 kN.



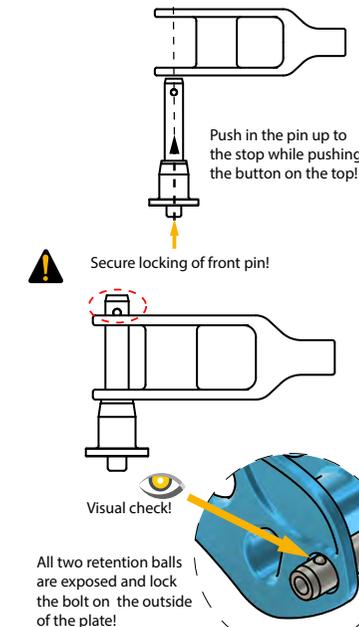
After locking the frontpin the slackline can be pretensioned by hand, by pushing the slackline to be tensioned and pulling the loose tail!

Keep an eye on a centered guidance of the webbing!

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7. Locking the push button pin

The frontpin and the rearpin must be locked after installing the webbing and before tensioning the slackline!



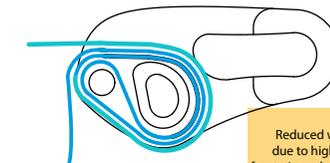
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8. Special wrapping techniques

For Dyneema, Vectran or hybrid webbing, or rubber printed webbings the single wrap method is not secure. The following techniques minimize and/or prevent slippage. (Aki Slacklines assumes no responsibility)

1,5 wrap method:

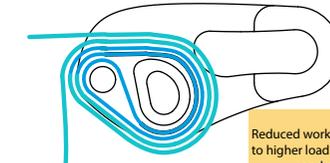
Pre-tensioning by hand is not possible



Careful!
Reduced working load due to higher loads on front pin and main diverter

Double wrap method:

Pre-tensioning by hand is not possible, Especially suitable for Dyneema



Careful!
Reduced working load due to higher loads on frontpin and main diverter

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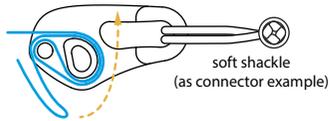
9. Tie-off of loose webbing tail

! Specially for low tensioned highlines the so called micro slippage and tailwalking is highly dangerous. Due to load cycles during leash falls and bounces the webbing moves millimeter for millimeter out of the weblock. During these micro movements the loose tail can come out sideways, above the tensioned line (tailwalk), thus the weblock does not lock the webbing anymore.

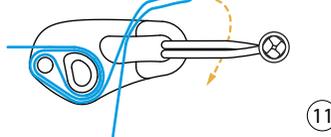
! If you do not tie-off the loose tail, there is high danger that your webbing can move off the weblock, which results in total malfunction of the weblock.

9.1 Recommended Tie-off

Step 1: Make a bight with the loose tail, you need around 2 m webbing

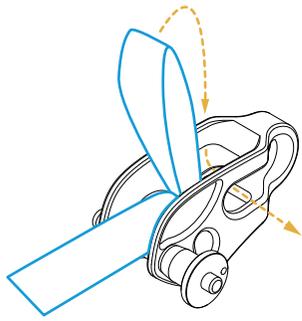


Step 2: Pull the bight through the gap between main diverter and rear interface



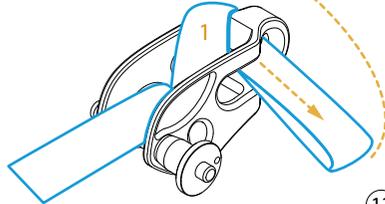
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Step 3: Pull the bight from the outside behind through both eyes of the rear interface



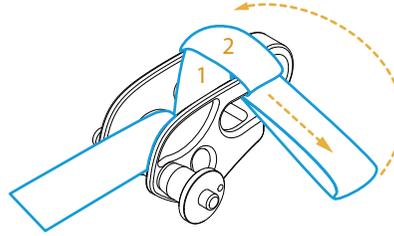
The bight needs to be around 80 cm long

Step 4: Wrap the bight back on the upside and pull it a second time through both eyes of the rear interface

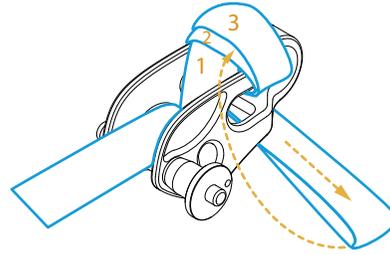


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Step 5: Wrap the bight a third time around, but this time not through the eyes (it won't fit), but on the lower outside of the rear interface

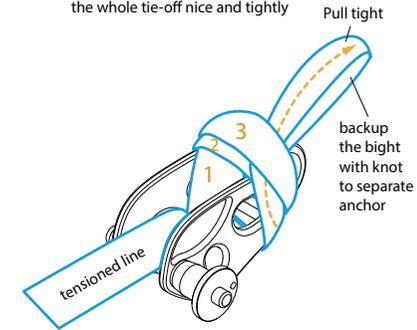


Step 6: Pull the final bight below the layer of the 3. wrap



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Step 7: Pull the bight tight and dress the whole tie-off nice and tightly



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! Regularly check the state and proper function of your tie-off.

10. Backup of loose webbing tail / bight

The loose webbing bight running out of the tie-off on the Raptor should always be backed up.

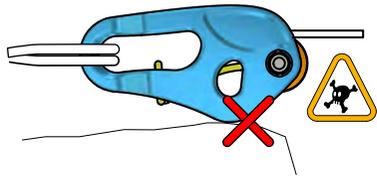
It should be tied with a figure 9 knot to a secure anchor point. The loose tail should not be under tension and should not dislocate the position of the Raptor.

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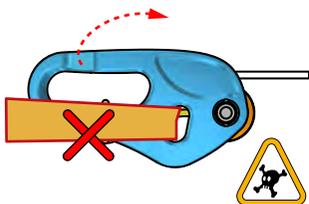
11. Special dangers

Below is a selection of typical misuse applications. However, it is not possible to give a complete overview of all potential misuse cases. A variety of other errors and risks can occur. For this reason a careful and self-responsible use of the product is a basic requirement.

The Raptor should be anchored freely, without touching any rock, ground, wood etc.!

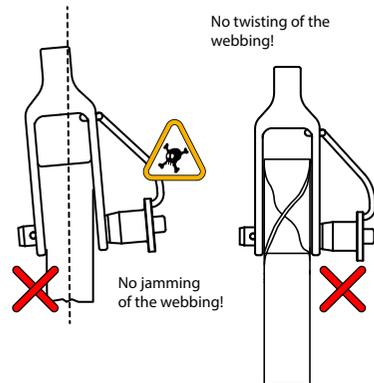


Do not use the main diverter hole as main anchoring point of the Raptor, the weblock will rotate and not lock!



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Check for faultless positioning and alignment!



Take special care during hand tensioning against drawing in of hair, clothing or other objects.

Take special care with respect to the possibility of self-opening shackle bolts due to cyclic levering loads.

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12. Storage, transport, care, lifespan

Store the Raptor in a dry place, protected from chemicals and at moderate temperatures. After contact with salt water or after use in the proximity of salt water, the Raptor is to be washed in fresh water and then dried. The Raptor must not be oiled or be greased.

The life span of the Raptor depends on the frequency and the intensity of use.

! Attention, exceptional circumstances can require the disposal of the product after a single usage.

A functional check and control for damage has to be performed before every use.

- are the side plates free of damage and deformation and are they exactly aligned with each other?
- is the main diverter free from damage?
- is the rear interface free of damage?
- does the frontpin and the rearpin work properly?

If necessary, the Raptor has to be repaired or even replaced. If you have further questions, please contact us.

13. Guarantees and warranties

Legal warranties apply. Excluded are: normal wear and tear, modifications and changes as well as damage caused by misuse.

! A recall is only applicable for new and unused products.

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14. Legal disclaimer

Aki Slacklines is not liable for damage caused by misuse of the product and in particular when warnings are ignored. With the purchase of the Raptor you confirm that you have taken notice of these warnings and notices and that you understand them. Please include this manual when selling the product to third parties.

Slacklining can lead to serious injury or death. The use of the Raptor takes place at your own risk and responsibility. Every person, that uses the Raptor, is personally responsible for the attainment of correct usage and techniques. Every user assumes all risks and accepts full responsibility for all damage and injuries of any kind, which may result from use of the Raptor.

This Raptor was developed exclusively for slackline use and may not be used for other purposes. Before every use the Raptor is to be checked for damage described under section 12 and, if necessary, it is to be taken out of service.

If you are not in a position to take responsibility or to take this risk, do not use this product. Children and adolescents require adult supervision.

As manufacturer I do not take responsibility for any bodily damage or for any consequential or incidental damage, which result from the use of the Raptor

! The information in this manual is not exhaustive.

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15. Manufacturer contact

I am available to answer questions, for feedback and suggestions via email, phone or personally at.

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