
09 REDLINE BAR USER MANUAL
Best
KITEBOARDING.COM

BEST KITEBOARDING
USER MANUAL

Thank you for purchasing a Best kite. Please read this manual carefully and in its entirety before using your new Best kite.

WARNING

Kiteboarding/kitesurfing/snowkiting are extreme sports. They have numerous inherent risks and dangers, and pose substantial risk of cuts, scrapes, bruises, broken bones, loss of limbs, loss of vision, paralysis, and other serious, permanent and disabling injuries and death to the rider and others. Some of the sources of these risks include but are not limited to:

- Being lifted by the kite and then dropped or slammed into the ground, snow, trees, rocks, buildings, piers, jetties and/or other structures or surfaces.
- Being dropped or slammed into other people and/or property.
- Contact with kite lines under tension, and/or watercraft.
- Drowning.
- Underwater conditions and/or objects such as sharp shells, broken glass, sand bars, shoals, reefs, oyster beds, and/or concrete.
- Contact with sea life such as sting rays, sharks, sea turtles, jelly fish, etc.
- Weather conditions and/or changes in weather conditions such as increasing or decreasing wind, waves, updrafts, lightning and/or water spouts.
- Equipment performance. Kiteboarding is a new sport. Kiteboarding equipment and safety gear are NOT 100% reliable. Safety designs and features are often new and unproven. Kites may behave unfavorably and unpredictably. Lines can twist, tangle, or break, resulting in serious injury and/or loss of control of the kite.

When using this product, you are responsible for your own safety and the safety of others around you. Never use this product as a flying device. Never touch flying lines when the kite is in use.

RELEASE OF LIABILITY AND ASSUMPTION OF RISK

DO NOT USE THIS PRODUCT UNLESS YOU AGREE WITH THE
FOLLOWING TERMS AND CONDITIONS:

Before using this product, the purchaser/user has carefully reviewed, understood and agrees to comply with the terms of this User Manual. Use of this product and any of its components involves certain inherent risks, dangers and hazards, which can result in serious personal injury or death. The purchaser/user of this product understands that the seller is not responsible for any damage to property or injury caused by negligent operation of this product by the purchaser/user, and the purchaser/user releases the seller from all such liability. In the event of your death or incapacity, this Agreement shall be effective and binding upon your heirs, next of kin, executors, administrators, assigns and representatives.

The purchaser/user of this product expressly assumes the risk of any and all bodily injury, death and/or liability which may result from the purchaser or user's participation in kiteboarding. The purchaser/user agrees to hold Ride Best, LLC harmless from any and all liability, and waive and release any and all claims or potential claims against Ride Best, LLC and any of its respective agents, affiliates, subsidiaries, employees, instructors, officers, directors, shareholders, suppliers and manufacturers in the event of any such bodily injury or death which may result from the purchase and/or use of Ride Best LLC (d/b/a Best Kiteboarding, LLC) products.

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09 REDLINE BAR:



Introduction:

Best Kiteboarding would like to thank you for choosing the new 2009 Redline Bar. We guarantee this and all of our products to be free from defects in materials and workmanship. All Best products are covered by our Fair and Reasonable Timeframe warranty, which offers extended coverage beyond that provided by other brands.

The Redline bar builds on the strengths and proven safety features of our 2009 Best Bar. By simplifying the leashing options and removing the front line OSR handles we have been able to streamline the bar, improving both safety and usability.

To help you express your own riding style, you need a bar that allows you to ride exactly how you want. The '09 Redline Bar provides the perfect mix of ease of use, advanced safety features, with maximum versatility. Big wave surfers, beginners and freestyle riders looking for easy kite control will love the freedom the Redline Bar provides.

The Redline Bar safety system fully depowers your kite when activated by reducing back line tension. Once activated your kite will come to rest on the ground with minimal residual pull.

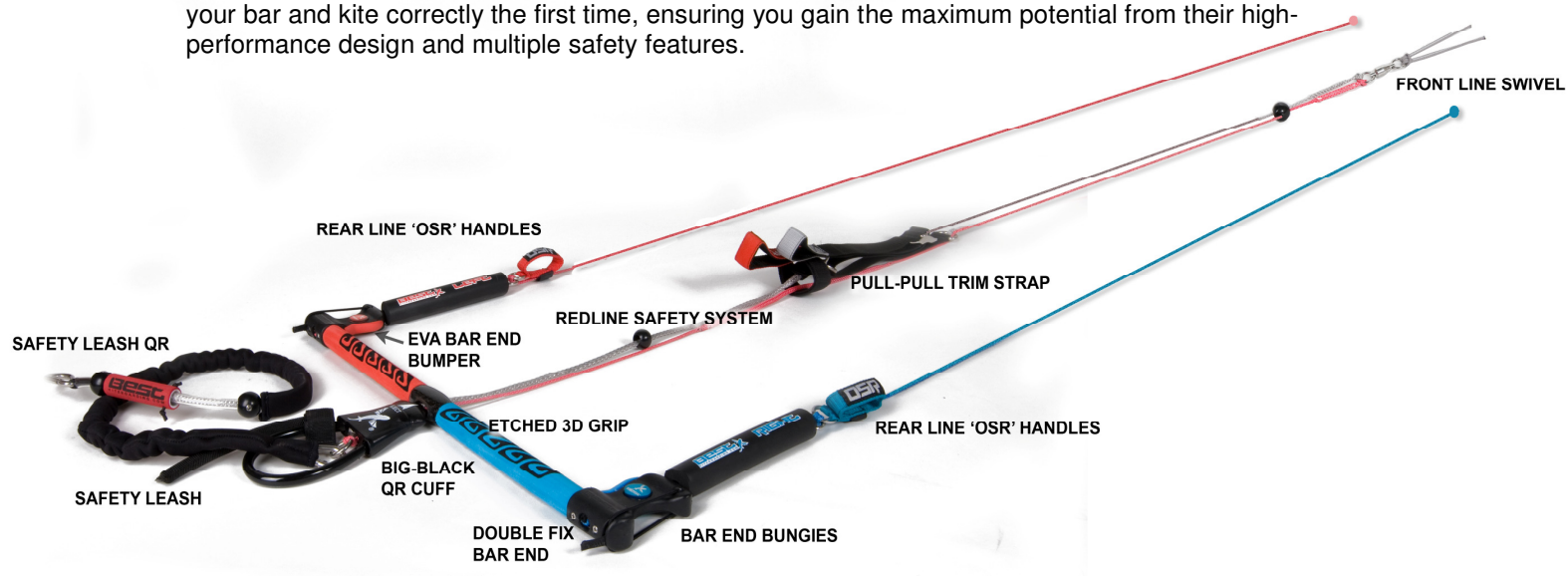
09 Redline Bar: Package

Your 09 Redline Bar is delivered complete with the following items:

- Complete bar ready rigged with **22+3m 700lb line set.**
- Velcro Donkey Dick attachment for the chickenloop.
- Handlepass/bypass leash with integral QR cuff.

09 Redline Bar: Performance features and set up

When unpacking and using your new bar for the first time, we recommend that you take some time to familiarize yourself with the product and design features that make it unique. This will help you set up your bar and kite correctly the first time, ensuring you gain the maximum potential from their high-performance design and multiple safety features.



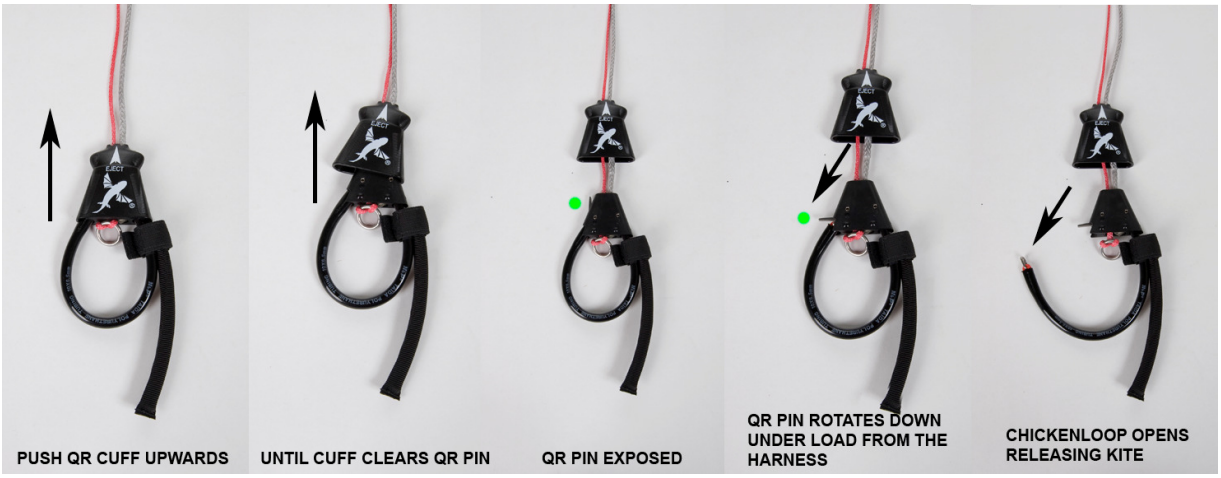
Big Black QR Cuff:



The 'Big Black' QR cuff is an integrated release system that is activated by pushing the external cuff away from the rider. The cuff is designed so that QR activation force is completely independent of the load on the front lines and the dual depower ropes. The activation force is factory set to be 8kg.

We strongly recommend that you check the safe function of your QR before you attach your kite to your bar. Should the QR ever become fouled with sand or other contaminants, a quick rinse in water will be enough to restore its function. In the unlikely event that you should ever damage any part of the QR cuff we recommend that you replace the part immediately, as a damaged QR cuff could put you and others at risk of injury.

The Big-Black QR cuff is a push to release actuated safety system. To activate the release as shown below, reach upwards and grasp the cuff then push it towards the kite. The QR cuff will release opening the chickenloop and allowing the kite to fall to the safety leash.



The steps required to activate the QR are shown above. In this example we have omitted to attach the handlepass/bypass leash to the leash attachment ring in the middle of the chickenloop for the sake of photographic clarity. ***Always attach your leash before you ride.***

Reassembly of the QR:

1. Take the chickenloop tubing in one hand and holding the main body of the QR in the other hand, slide the attachment ring over the holding pin and down towards the main body.

2. Press the holding pin back into the fully extended position and slide the attachment ring up into the main assembly. When positioned correctly, the red rope and metal loop should be completely hidden within the main body of the assembly. If incorrectly assembled, you will not be able to proceed to the next step.

3. Push the holding pin upwards towards the top of the cuff. If correctly assembled, the pin should position almost flush to the main body, as shown. It is not intended that the pin should be completely flush. Do not try and force the pin.

4. Take the external cuff part in your hand and pull it down over the main body of the QR assembly.

5. The external cuff should seat with a gentle pull and will click to tell you that it is correctly seated. When correctly closed, the external cuff sits exactly flush with the bottom of the main internal components, highlighted in green.



The Big Black QR is designed so that it is impossible to assemble it incorrectly. The QR will not click-closed unless correctly assembled.

Two points to check when closing are 1) that the chickenloop attachment ring is correctly seated inside the main assembly and 2) that you have not twisted the depower lines between the external cuff and main assembly prior to attempting to close the cuff. If the pin is correctly positioned and the cuff will not close, simply push the cuff upwards and untwist the depower lines.

Depower strap and handlepass/bypass safety leash:

Your 09 Redline Bar provides 2 stages of depower control for your kite, you can depower the kite by pushing the bar away from you, towards the Trim Strap, or by pulling on the red depower strap handle. Adjustment of depower via the trim strap allows you to set the bar height at a comfortable position to suit your riding style while still remaining full control of your kite even in gusty conditions.

Redline safety depower system:

The safety leash on your Redline Bar works whenever you drop the bar or fire off the 'Big-Black' quick release. By activating your QR, the Redline pulls through the bar placing the kite at the maximum depower position as shown below.



Etched 3D grip:



The 09 Redline Bar has a 3D moulded grip, creating a uniquely ridged and profiled 3D construction that enhances rider comfort and improves the tactile quality of the bar.

The 09 bar retains the popular intended finger ridge layout and squared off back surface, allowing you to feel which way round your bar is without ever having to look at it.

1-Piece Stainless Bar Bushing:



A one piece, swaged fit, 316-stainless steel bar bushing helps to maximize depower line durability and ensures smooth and easy safety system operation. Shaped to fit the top of the Big-Black QR cuff the new bar bushing grips the chickenloop firmly whenever you unhook the bar.

Flying lines 22m+3m:

For 09 we have selected a 700lb breaking strain high tenacity line to help all your kites turn as fast as possible and to give you the maximum handling feedback at all times.

Handlepass/Bypass Leash:



The 09 Redline Bar comes equipped with a high quality handlepass/bypass leash. This leash clips to the bottom of the Redline depower line and activates the safety system by shortening the depower rope whenever the bar is dropped.

Riders wishing to perform handlepass maneuvers and stay directly leashed to their chickenloop, bypassing this depower/safety functionality, may wish to upgrade to a heavier duty leash.

Warning: ***When attached directly to the chickenloop, the maximum depower of the kite will be reduced and safety function impaired.***

Rear Line OSR Handles:



The 09 Redline bar retains the rear line 'OSR' handles for landing your kite on the beach. These can be used as an alternative to the Redline safety system for riders who prefer to flag their kite out completely upon landing.

NB: The rear line 'OSR' handle sare not intended to replace the Redline safety system when riding they are only to be used for landing the kite.

All carbon bar construction:

The 09 Redline Bar retains its all carbon construction with an oversized center bulge and 2 piece stainless bar bushing system. A new carbon core weave makes the 09 lighter and stronger than ever before.

Double fix Bar End:



The 09 Redline Bar has a double fixing bar end design with maximum overlap between bar end and the bar itself. This is stronger and more durable than a single point fixing.

Above Trim-Strap Swivel:



A new swivel assembly is positioned 2m above the trim strap allowing for automatic untangling of the front lines. The new swivel requires minimal load to function and front lines can easily be untangled at any time by simply tugging on the Redline safety line.

EVA Foam Bar End Bumpers:



Riding unhooked and performing unhooked kiteloop and handlepass tricks places increased pressure on the sides of your hands.

Soft Eva bar end insert bumpers provide a soft contact point between your hand and the bar, reducing abrasion and increasing your comfort levels.

Setup Options and Pre-flight checks:

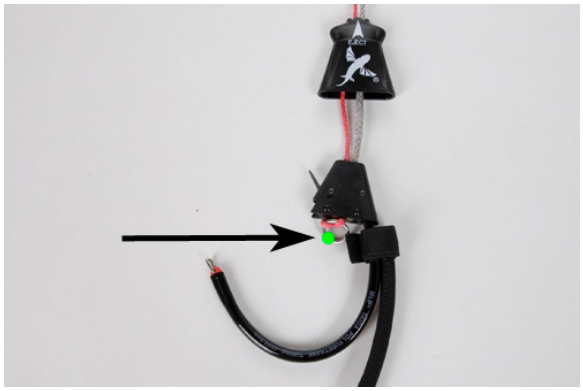
Before you rig your bar to your kite for the first time, please check each and every knot and line connection on your bar. Though these are fully assembled at the factory, it is possible for lines to loosen and knots to slip during transit. Please ensure that you cinch any knots up tightly and check that the depower rope termination knot, inside the chickenloop, is tight and has sufficient spare line exposed beneath the knot.

QR Safety Considerations:

Best Kiteboarding advises that riders always use a secondary safety attachment to their kites, in addition to being hooked into the chickenloop via the spreader-bar hook. The handlepass/bypass leash is provided for this purpose. Activating the 'Big Black ' chickenloop QR mechanism when not using a safety leash will result in the rider becoming completely disconnected from the kite.

Riders should note that completely releasing the kite should only be considered as an absolute last option, and should be reserved only for situations where continuing to be connected to their kites puts themselves and others around them at greater risk than having an out-of-control kite tumbling up the beach. You may lose your kite, but that is preferable to possible permanent injury.

Discussion of leash attachment points for riders of varying skill levels



Beginner riders who require maximum depower of their kites should always clip directly into the Redline leash ring located inside the chickenloop. (Detailed green)

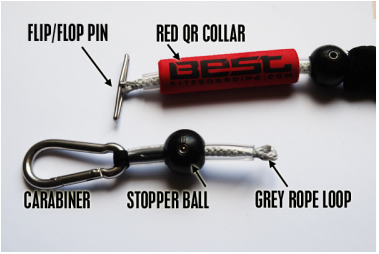
This leash attachment point is designed to work with the Redline safety system to provide full depower of your kite whenever the bar is dropped or the QR cuff is activated. Advanced riders may wish to uee the suicide leash setup shown on the following page.

Suicide leash set-up:



Advanced riders may prefer to clip into the bypass leash ring by clipping around the chickenloop and then into the leash ring. Attaching in this way gives you a full suicide leash until you activate the Big-Black QR cuff, at which point the standard safety will activate. Unhooking the bar will not activate the Redline safety; this can only be done by using the QR cuff when clipped across the chickenloop in this way.

Handlepass/Bypass Leash Use and Assembly:



The component parts of the handlepass/bypass leash QR are detailed in the image left. Before using your bar for the first time, please take the time to familiarize yourself with these parts and the safe activation and reassembly of the QR collar.

Always check the safe function of your leash QR before using it on the water. Failure to check your safety equipment could result in injury to yourself or others around you.

Activation of the Leash QR:

Sliding the red plastic QR collar away from the karabiner will activate the internal QR mechanism. This action will completely separate you from your kite if you are already unhooked from the chickenloop.

Only consider this as a last course of action in situations where remaining attached to your kite is likely to be more dangerous to yourself and bystanders than releasing the kite completely.

Handlepass/Bypass Leash QR Reassembly:

When activated, the QR mechanism splits into two separate parts. These are shown in detail above. To refit the QR, slide the tip of either side of the ‘flip/flop pin’ through the ‘grey rope loop’ and then flip the pin over by ninety degrees to catch the loop.

Gently slide the QR collar upwards and over the tip of the ‘flip/flop pin’, then push the QR collar home until it rests snugly against the ‘tension adjuster’ as shown in the previous image above.

Warning: ***do not modify the QR mechanism with the addition of any materials or modification of any components as this will reduce the functionality of the system and may put the rider at increased risk.***

Self Launching and Self Landing:

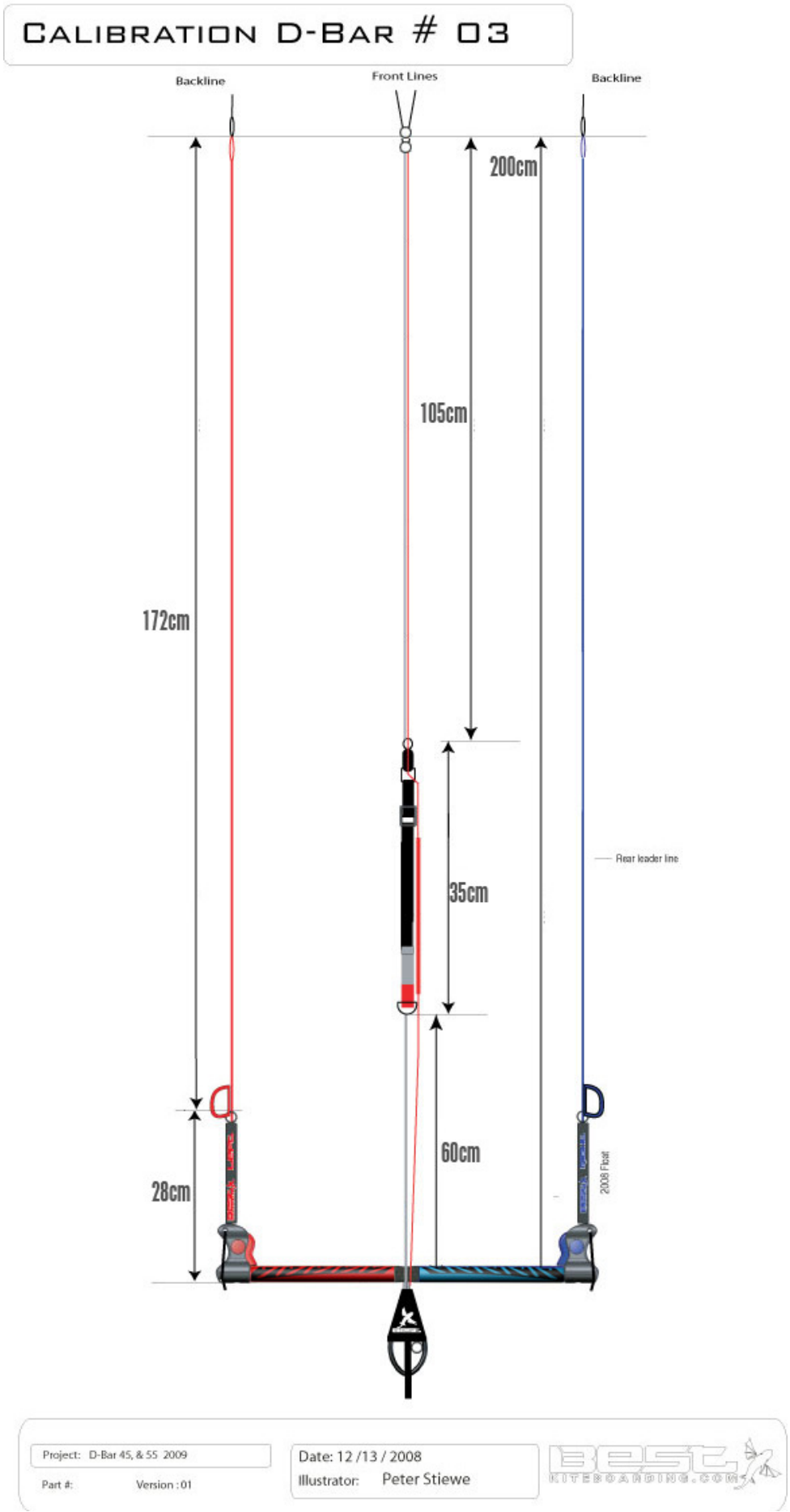
For a discussion of how to land and launch your kite, please refer to the product manual for each individual kite. Launching and landing tips may vary with each different style of kite.

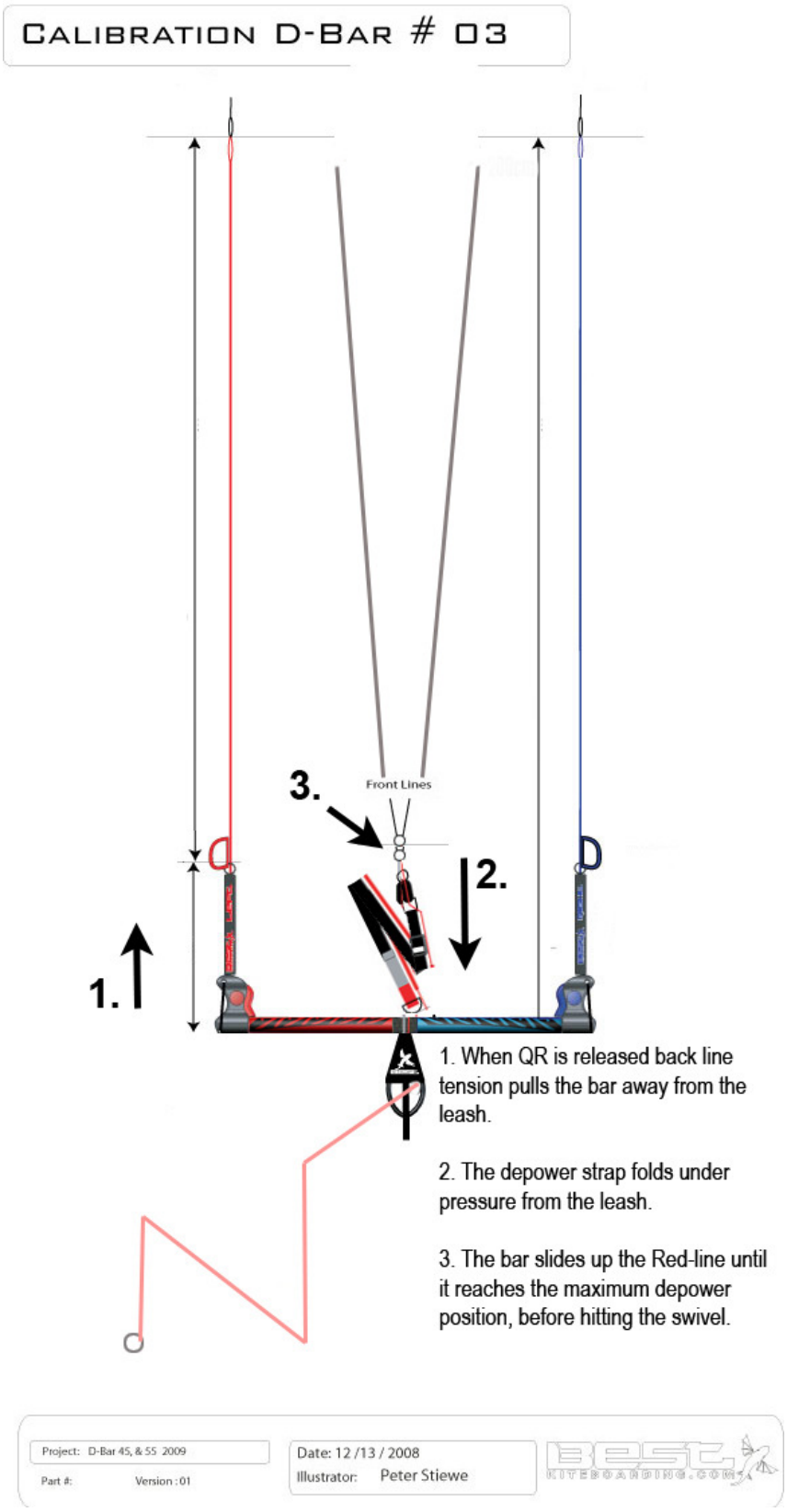
Bar and Flying Line Calibration:

The Redline bar uses an equal front and rear line calibration, this is different to the current 2009 Best Bar and will be the calibration standard for all future products. In the event that you wish to use the Redline bar with a kite other than the Kahoona, then you will need to acquire the accessory 'Redline conversion kit'.

The conversion kit consists of a pair of pigtail lines. When used with any kite other than the Kahoona these lines should be attached to the back lines on your Redline bar. Should you choose to fly a Kahoona on a standard Best bar then the instruction are reversed and you are required to attach the pigtails to the front flying lines on your 09 Best Bar. The conversion kit is not required when using Kahoona with Redline Bar or when flying the Waroo or HP on a 09 Best Bar.

Redline Bar Calibration & activated Redline Safety System Diagrams:





Where do I go for extra information?

Your local Best Kiteboarding retailer has been trained in all aspects of the products they sell and can help you with any queries you may have regarding all Best Kiteboarding products.

For any general questions about using Best Kiteboarding products, or to chat with other kitesurfers and to find out all the latest info about everything Best Kiteboarding, visit the website http://www.bestkiteboarding.com or log onto the online user forums at http://forum.bestkiteboarding.com

Request for additional information and updates to the product manuals should be sent to simon@bestkiteboarding.com