

F U L C R U M

Designed by CARL ROBERTSHAW Developed in collaboration with JON TRENNPOHL

Getting Started

Re-typeset edition by QuadKites.org; see the note at the end of the document.

The Fulcrum

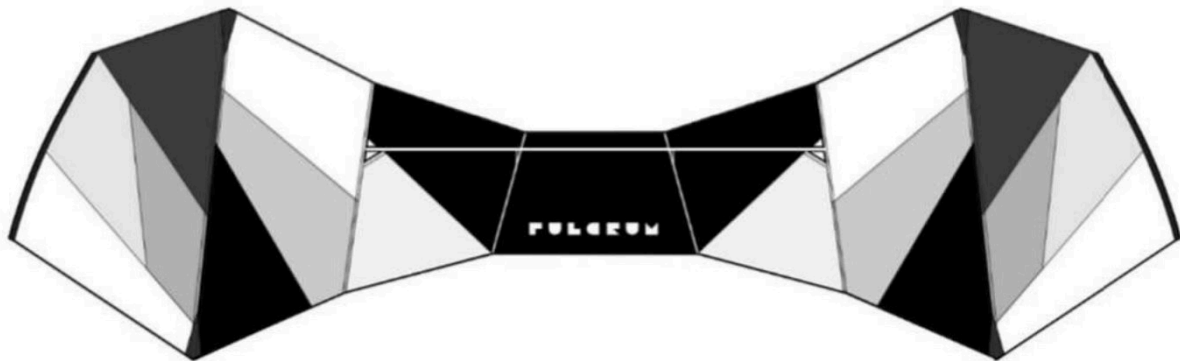
Designed by 5 times World Champion, Carl Robertshaw, in collaboration with Jon Trennepohl of Skyburner Kites, the Fulcrum is the turning point in sport-kite design. Bringing together the worlds of quad-line and advanced dual-line kites like never before. Beautifully designed, the Fulcrum is a progressive high-performance sport-kite that redefines the experience of dual, trick, team and quad-line flying.

The Fulcrum comes loaded with the most advanced features. The innovative CAD-designed sail gives you the most controlled flight ever experienced in a sport-kite and is conceived with panel graphics that work to enhance the dynamics of individual and team performances. The compound parabolic surfaces enable effortless dead-launches and fully eliminate the archaic wing fold inversions, making the Fulcrum even more accessible for newcomers to the quad-line world.

Tracking feels super solid, and control is precise at every speed, in both forwards and reverse. Direction changes are instantaneous, stops are devastatingly accurate, hovers and rotations are scintillating, all experienced within the Fulcrum's large wind window.

To complete the picture, the Fulcrum executes tricks that, until now, were the preserve for dual-line flyers: Yo-Yos, Fades, Lazy Suzans, Slot Machines and more are all possible.

Simply put, the Fulcrum is the world's most capable sport-kite.



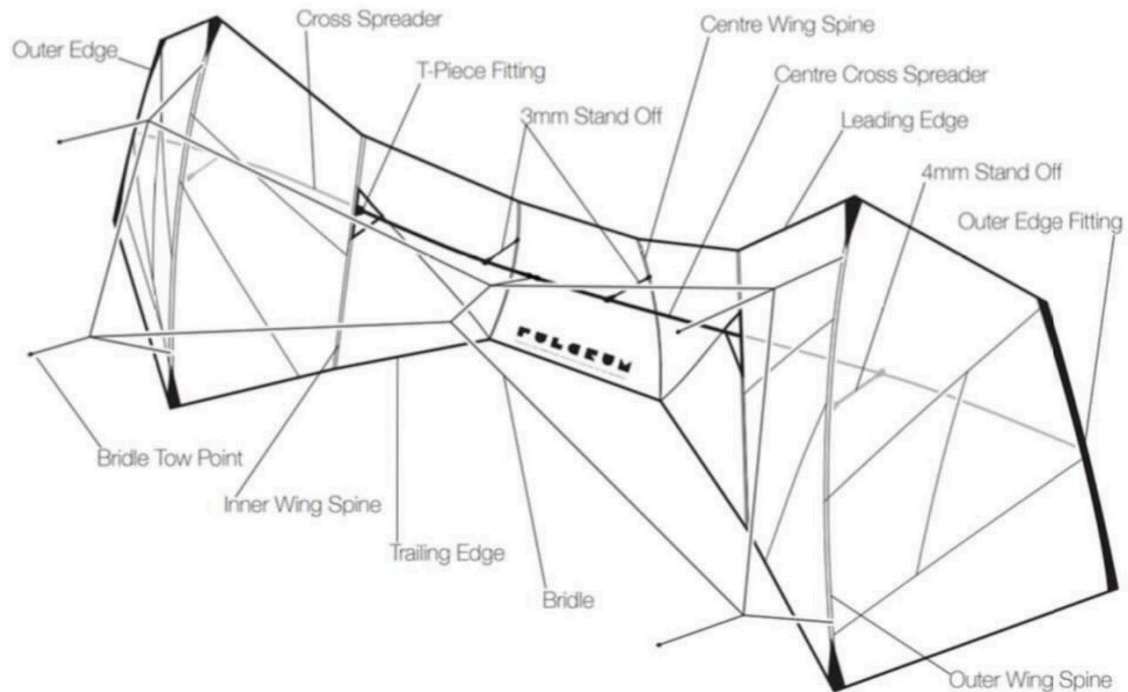
The Fulcrum.85 is the natural evolution of the Fulcrum family. Utilizing the same cutting-edge design approach while further refining the details, we have condensed the essence of the Fulcrum into an even more focused quad-line sport kite - dialling it into a higher frequency.

Scaling the design expands its trick capability, generating faster rotations with greater ease and agility. Combinations of tricks, Dead Launches and Fades are standard. Yo-Yo's, Flick-Flacks, Lazy Susan's, Flat Spins / 540's, and even 720's are all easily accessible. Forward and reverse speed is exhilarating. Turn rate is incredible. Change of direction is sharp and immediate. The Fulcrum.85 is simply awesome to fly.

The Fulcrum.85 retains all the finesse and subtlety of the larger model with the same exacting precision, solid tracking and huge wind-window. You feel the same positive feedback on the lines with less pull, making it simple for the newcomer to fly - thanks to the 3D sail - allowing the kite to launch from any orientation. Like the larger model, the Fulcrum.85 benefits from the interchangeable Sky Shark carbon spar combinations.

The world's most capable sport kite, evolved.

Anatomy:



I want to keep this simple, however, there is still a lot of info to share.
So stick with me and I will break it down in its most basic form.

Full details of frame specifications and wind ranges are available on the Skyburner website.
www.skyburner.com/fulcrum.

There are 2 models of Fulcrum available:

- Fulcrum.** A full-sized kite, this is the original Fulcrum with a 2.65m wingspan.
(~ 90cm in storage sleeve)
- Fulcrum .85.** A smaller 0.85% scale version of the original with a 2.28m wingspan.
(~77cm in storage sleeve)

For clarity in the rest of this document, the wording “Fulcrum” will refer to the full-sized kite, and “F.85” will denote the smaller Fulcrum .85.

Both Fulcrum and F.85 versions of the kite are available in 3 variants:

- (STD) “Standard” (Optional Ultralight spar set available – we’ll get to this in a minute)
- (SUL) “Super Ultralight”
- (VTD) “Vented”

(STD) “Standard - This is the standard kite with full sail, robust midweight frame and bridle and will generally be your “buy one to do it all” kite. In either size, the STD kite will be the kite that covers the largest and generally most encountered wind range. **The STD kite is where I recommend most pilots start their Fulcrum/F.85 journey.**

SUL “Super Ultralight” – An overall very lightweight kite with a lighter frame and bridle for low wind. Like all SUL kites, these are perfectly robust for their intended use, however are still fragile and care must be taken both during flight and assembly/disassembly.

Vent “Vented” – This kite has carefully designed and placed vented mesh panels in the sail to bleed off and reduce some sail pressure. It has a strong robust frame and bridle to be used in higher winds where the standard kite is above its intended limits.

You will also see I have noted the optional UL (Ultralight) spar set which replaces the 3 piece centre spar on the STD kite. Fulcrum and F.85 have their own UL frame which allows the STD kite to fly in a slightly lower wind range and nicely bridges the gap between the STD and SUL.

• STD.	4mph - 18mph	6kph - 28kph
• STD with optional UL spar set.	2mph - 10mph	3kph - 16kph
• SUL.	2mph - 8mph	3kph - 12kph
• Vent.	8mph - 25mph	12kph - 40kph

Still with me? Great – let's get to the good bits.

The Fulcrum and F.85 offer all the same incredible control, tricks and flight, however are quite different animals in character.

The Fulcrum is big, smooth, refined, and precise. Its full 2.65m sail offers quite a bit of pull when the wind comes in. Fly one in more than 12 mph and it will soon let you know it's there. The original Fulcrum offers the full flight experience. Its beautiful CAD-modelled 3D sail is brilliantly controllable and offers razor-sharp and accurate handling in all directions. The full-sized Fulcrum is beautiful to fly and really makes a statement in the sky.

The F.85 is exactly that, a 0.85% scaled-down version of the original Fulcrum. It offers everything the larger kite does, but at a much higher tempo! The smaller 2.28m F.85 is faster, fiercer, lighter, and more agile than its bigger brother. Yet loses none of that beautiful precision and rock-solid tracking in flight, it's the Fulcrum experience turned up to MAX!

It's also worth noting at this stage, the F.85 reduced size offers significantly less pull than its full-sized counterpart. So, if you suffer with low wrist strength, the F.85 is easier on the pilot in moderate wind. Handles have a great effect on this control, but we will get into that shortly.

Despite the stated wind ranges, the F.85 allows a much broader wind range than the Fulcrum. At 15mph + the Fulcrum is getting near vented territory for most pilots. In my experience, the F.85 will take you well into 20mph before you're looking for the vented setup. A lot of my kite experience is with powerful traction kites, so I like to fly overpowered as much as possible. I am happy to fly a kite right up to its wind range limits. Other pilots will prefer to change up to a vented earlier, this is personal preference and entirely what suits the pilot.

Most pilots will find tricks easier to access on the F.85, as its smaller footprint allows it faster rotations and response. The F.85 in moderate wind can be flown very fast and accurately, it will certainly test your reactions. However, if you find this a bit too frantic for your taste, you can tone down either kite a little by adding a heavier line set.

Lines are like all things with kiting and mostly come down to the person. High quality, equal length lines are mandatory to get the most from your Fulcrum.

The Fulcrum can really make use of longer lines 30m+. The larger sail makes great use of a large wind window and doing so offers the pilot a big canvas to play with. I like to fly on 25m and most of my flying is 150lb. In low wind conditions, 90lb is adequate for the Fulcrum but if you have just one “do-it-all” line set, 150lb will have you covered pretty much everywhere and still offer great response and feedback.

The F.85 I generally fly on 90lb lines, as previously mentioned the smaller kite offers significantly less pull. The F.85 is also just as happy on 150lb or even 200lb if the wind is really hauling. Again, heavier lines are also a great tool if you want to slow a kite down a little and take some edge off it. Heavier lines can also help smooth a kite’s reactions in lumpier winds too.

On the SUL, I drop to 70lb lines on the Fulcrum, and 50lb on the F.85, sometimes less if the wind is barely there. Both the Fulcrum and F.85 are superb fun on some short lines. Getting the pilot up close and personal you can really experiment with what the sail is doing at close proximity, 15m and below is great for figuring out new things too.

Q. What handles should I use on my Fulcrum?

Fulcrums can be flown on standard Revolution or OSK type handles, any standard 13” quad handle will work. Unlike traditional quad kites, 13” handles offer plenty of length, as a longer handle doesn’t affect the Fulcrum/F.85 the way it does on other quads. This is due to the bridle design; the longer handle may offer more throw but not more steering lock when transmitted to the kite.

The Kite Crazy Titanium handles were designed specifically for the Fulcrum and offer a host of features including substantially larger grips. Bigger grips offer the pilot significantly increased purchase on the handles and subsequently more torque transmission to the sail. This increase in power transmission from the pilot to kite is very noticeable on both kites, but particularly useful on the larger sail of the Fulcrum. The 80A foam offers a firm grip with lots of feedback and response, with the mass being centralised in the pilots’ hands, the lightweight extremities give them the impression they’re even lighter than they are. An impressive feat considering they’re already ultralight at a featherweight 170gms (6oz) per pair, you’ll barely know they’re there.

I also recommend joining the ***Fulcrum QuadLine SportKite Experiences*** Facebook group. This is a wonderful forum of keen and very talented pilots with a wealth of knowledge and experience.

Ask people for their opinions, don't just take mine. Ask lots of questions before parting with any money and of course, no matter where you choose to buy from, I'll be available to offer any technical/product support you might need, and I stock replacement spars and fittings.

Both Fulcrum and F.85 will do it all, the ultimate quad kite that has blurred the lines between dual-line and quad-line flight.

I truly believe this is the most exciting sport kite design to date, nothing flies quite like it.

I hope that has helped answer a few common questions regarding the Fulcrum/F.85 range, however, feel free to reach out with any questions you may have.

Now your only limitation is your imagination

– Frayz (aka Kite Crazy Fool)

For full Fulcrum UK support or Kite Crazy Fool titanium handles you can contact me at:



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Titanium Kite Handles



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About this edition

Re-typeset by QuadKites.org on 17 October 2026 from the “Fulcrum — Getting Started” guide by Frayz (Kite Crazy Fool), Fulcrum distributor in the United Kingdom, published as images on Facebook on 1 April 2024.

Each page matches the same page of the original. The illustrations are those of the original. The text is the original text; obvious typing errors have been corrected.

A French translation is available from QuadKites.org.