

# Instructions and Safety Manual

You can download this manual and any updates from [www.flexifoil.com/downloads](http://www.flexifoil.com/downloads)



Thank you for purchasing your new Flexifoil Sabre. **Before flying your kite**, you must take time to read and understand these instructions and safety warnings.

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## 2.2 Package Contents

If your bag contents does not match this list, please contact your dealer



Left to Right: Sabre Bag, Sabre Bar (inc. Instructions), Sabre Kite (inc. Compression Clip), Sabre Instructions, Free Repair Card, Registration Card, 2 x A6 Mark Cloth Repair Sheets

# 3 Safety First

Flexifoil strongly recommend that you abide by ALL safety guidelines and conduct yourself in a safe manner at all times

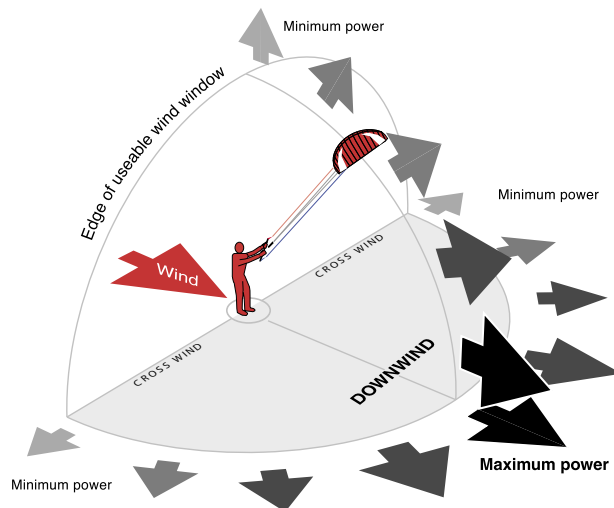
## ESSENTIAL DO'S AND DON'TS

- Flexifoil strongly recommend that you abide by ALL safety guidelines and conduct yourself in a safe manner at all times
- Seek expert advice from a recognised Flexifoil Dealer, or take lessons from a fully qualified instructor BEFORE undertaking any power and traction activities
- NEVER fly your kite in conditions that are too extreme or winds that are too strong for your skill level or your equipment i.e. ALWAYS learn to fly with a smaller kite in lighter winds before attempting to fly a larger or more powerful kite in stronger winds
- ALWAYS check your equipment for wear and tear before flying. DO NOT fly with worn or damaged equipment. Repair or replace accordingly
- Use EXTREME caution when using kite traction equipment as improper use of this equipment can cause serious injury or death
- ALWAYS select safe launching and landing areas free of people and obstacles. Disable your kite and lines on the ground when not in use
- ALWAYS maintain plenty of space around you in all directions, especially downwind. Traction kites can pull you downwind for a considerable distance
- NEVER attach yourself permanently to your kite or secure yourself to a fixed object whilst flying your kite
- NEVER allow inexperienced kite flyers to use your equipment
- Use appropriate SAFETY equipment i.e helmet, knee and elbow pads, protective eye wear, gloves etc.
- Flying lines and bridles under tension can cut like a knife. Always keep your lines away from people and animals. NEVER attempt to catch or hold a kite by the lines or bridle
- DO NOT fly your kite near power lines, in storms, near airports, roads, railways, people or animals
- Flexifoil kites CANNOT be used for paragliding or parasailing

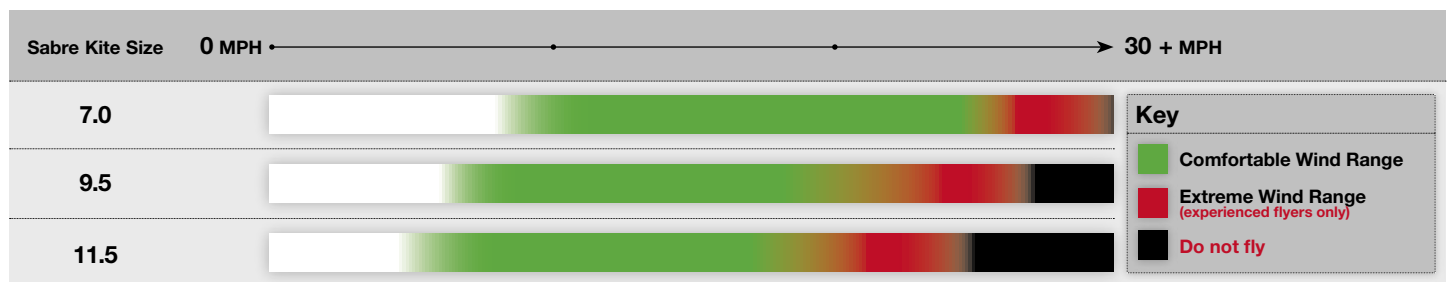


# 4.1 The Wind Window

When launching kites in strong winds, ALWAYS launch at the edge of the wind window near the minimum power area



# 4.2 Recommended Sabre Wind Range

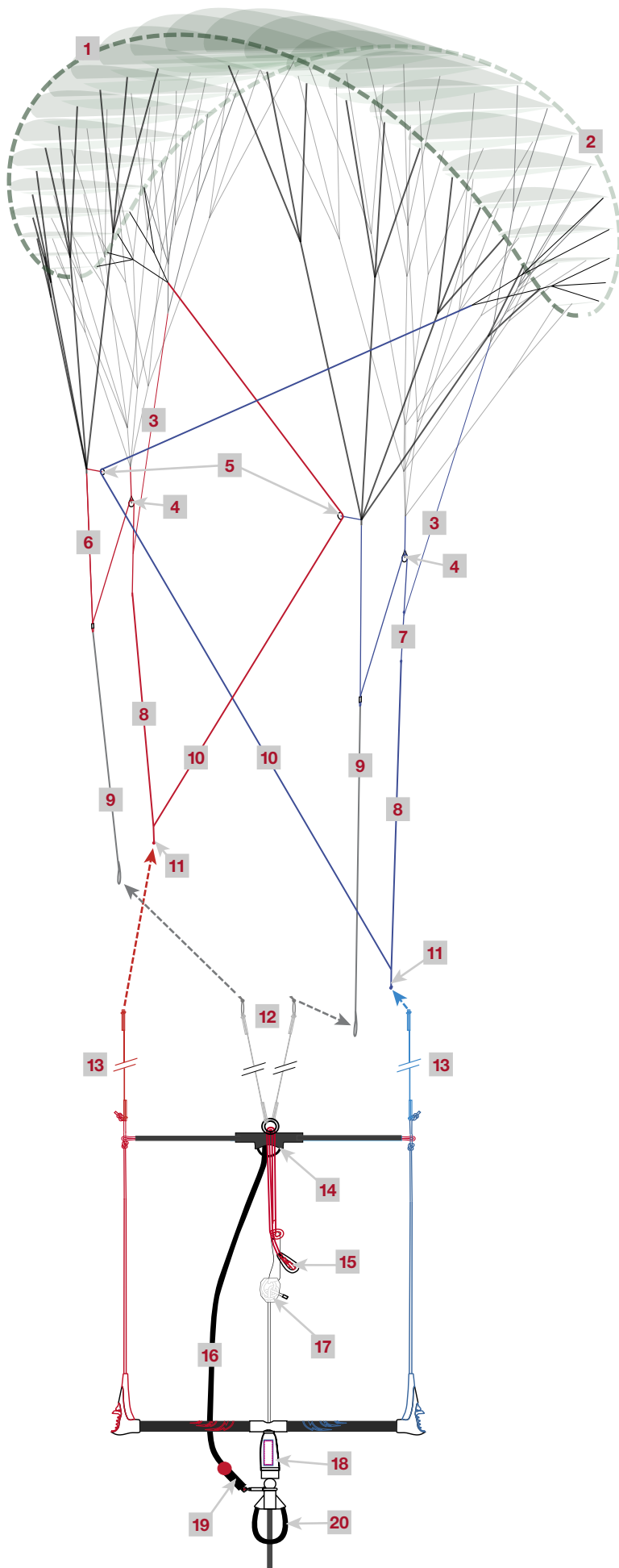


# 4.3 Wind Speed Table

Weather conditions can be unpredictable and can change very quickly. ALWAYS be vigilant and respect the power of the wind

Force	MPH	Knots	KPH	Metres/sec	Description	At Sea	On Land	The Flying Experience
0	<1	<1	<1	0-0.2	Calm	Smooth as glass	Calm; smoke rises vertically	Not enough wind to fly kite
1	1-3	1-3	1-5	0.3-1.5	Light Air	Ripples with no appearance of scales; no foam crests	Smoke drift indicates wind direction; vanes do not move	Difficult to fly kite - very low wind
2	4-7	4-6	6-11	1.6-3.3	Light Breeze	Small wavelets; crests of glassy appearance	Wind felt on face; leaves rustle; vanes begin to move	Good conditions for large kites or beginners
3	8-12	7-10	12-19	3.4-5.4	Gentle Wind	Large wavelets; crests begin to break, scattered whitecaps	Leaves & small twigs in motion; light flags extended	Ideal flying conditions
4	13-18	11-16	20-29	5.5-7.9	Moderate Wind	1-4ft waves; numerous whitecaps	Leaves & loose paper raised up; flags flap; small branches move	Ideal flying conditions
5	19-24	17-21	30-38	8.0-10.7	Fresh Wind	4-8ft waves; many whitecaps; some spray	Small trees begin to sway; flags flap & ripple	Good conditions for smaller kites or experienced flyers
6	25-31	22-27	39-50	10.8-13.8	Strong Wind	8-13ft waves forming whitecaps everywhere; more spray	Large branches in motion; whistling heard in wires	Experienced flyers
7	32-38	28-33	51-61	13.9-17.1	Near Gale	13-20ft waves; white foam blown in streaks	Whole trees in motion; resistance felt in walking against wind	Very small kites or very experienced flyers
8	39-46	34-40	62-74	17.2-20.7	Gale	13-20ft waves; edges of crests beginning to break; foam in streaks	Whole trees in motion; resistance felt in walking against wind (again)	Dangerous winds
9	47-54	41-47	75-86	20.8-24.4	Strong Gale	20ft waves; sea begins to roll; dense streaks of foam	Slight structural damage occurs; shingles blow from roofs	Do not fly
10	55-63	48-55	87-101	24.5-28.4	Storm	20-30ft waves; white churning sea; rolling is heavy; reduced visibility	Trees broken/uprooted; considerable structural damage occurs	Do not fly

# 5 Sabre Overview



- 1 Leading Edge
- 2 Trailing Edge
- 3 Brake Lines
- 4 Main Pulley
- 5 Cross Bridle Pulley System
- 6 Left Depower Pulley System
- 7 Right Depower Pulley System
- 8 Rear Line Extenders
- 9 Front Line Extenders
- 10 Cross Bridle Lines
- 11 Rear Line Toggles

- 12 Front Line + Toggles
- 13 Rear Flying Lines
- 14 Landing Line with Stake Point
- 15 Clam Cleat and Trim System
- 16 Spinning Leash
- 17 Adjustable Centre Line
- 18 Primary Quick Release
- 19 Secondary Quick Release
- 20 Chicken Loop

# 6 Sabre Setup

## 1 UNPACK



Unroll the kite from the trailing edge to the leading edge

## 2 UNROLL



Unroll the kite completely, using sand or snow to stop the kite from flapping

## 3 REMOVE SEPARATORS



Unroll each side of the bridle from the winders, and remove the 5 plastic bridle separators from the bridle and discard

## 4 CHECK BRIDLE



Check that the bridle is untangled, and the pulley system is free running

## 5 UNWIND LINES



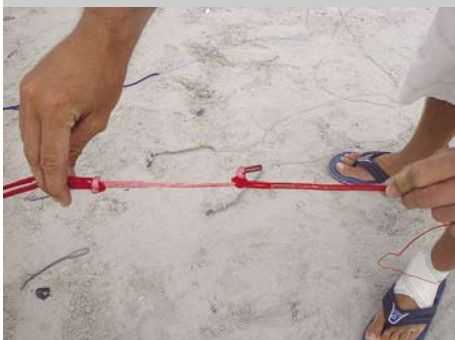
Unwind the lines from the bar, and walk the lines out to ensure no twists or tangles

## 6 IDENTIFY LINES



The coloured lines should be outside, and the grey lines should be inside and above the coloured lines

## 7 ATTACH REAR LINES



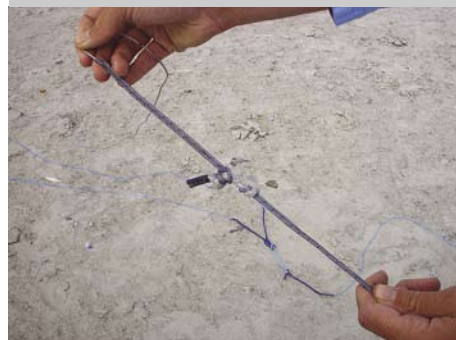
Connect the outside coloured lines using a lark's head knot

## 8 CHECK CENTRE LINES



Check that the centre lines attached to the kite are above the coloured lines and cross bridle

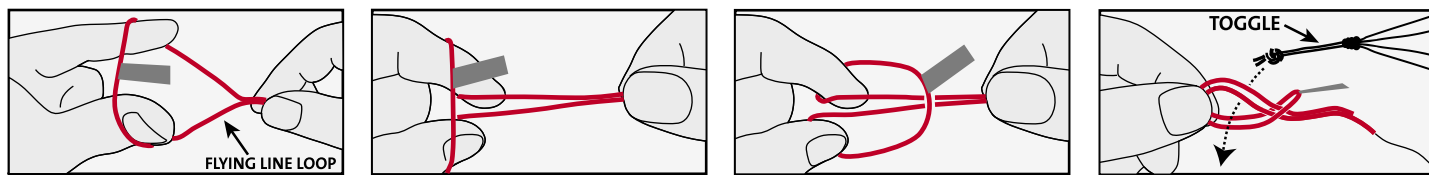
## 9 ATTACH CENTRE LINES



Connect the grey centre lines using a lark's head knot

## 7.1 The Larks-Head Knot

Larks-head knots can pull very tight during use. However, pulling on the tags should undo them easily



All line to kite connections are made using the larks-head knot. The diagrams above show you how to make one in the loops at the end of the flying lines. Connect the lines to your control gear before attaching the lines to your kite.

## 7.2 Using the Depower System

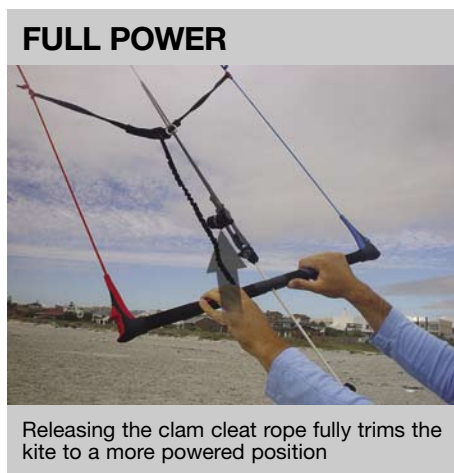
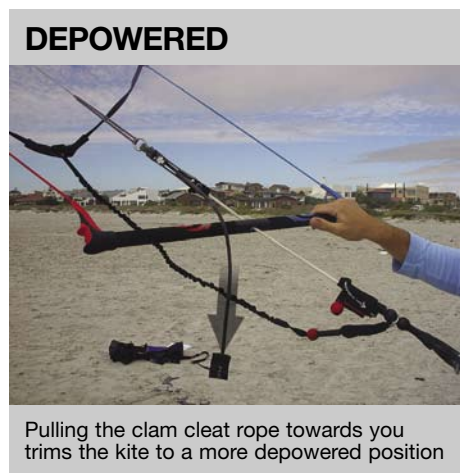
The centre line depower system is used for varying the power of the kite in flight. This widens the wind range of the kite, and allows for active power control when performing tricks.



## 7.3 Using the Clam Cleat

The clam cleat system is used to preset the power of the kite to the riders preference and the wind conditions. You can use the clam cleat to trim the power of the kite and the full power bar position. This increases the wind range and usability of the kite for all riding styles.

**Tip:** In light wind conditions, use full power setting



## 8.1 Launching the Kite (Low Wind)

**Tip:** In light wind conditions it may be necessary to launch the kite by pulling the Clam Cleat mechanism towards you. This will pull hard on both front lines which will force the kite into the air.

1



Ensure you are launching from the maximum power area. Put sand on the trailing edge to secure the kite

2



Take a few steps back with your bar in the depowered position (pushed away)

3



The kite should inflate and fly up through the main power area to sit above you

## 8.2 Launching the Kite (Strong Wind)

1



Ensure you are launching from the minimum power area. Fold upwind wingtip over and secure with some sand

2



Take a few steps back with your bar in the depowered position (pushed away)

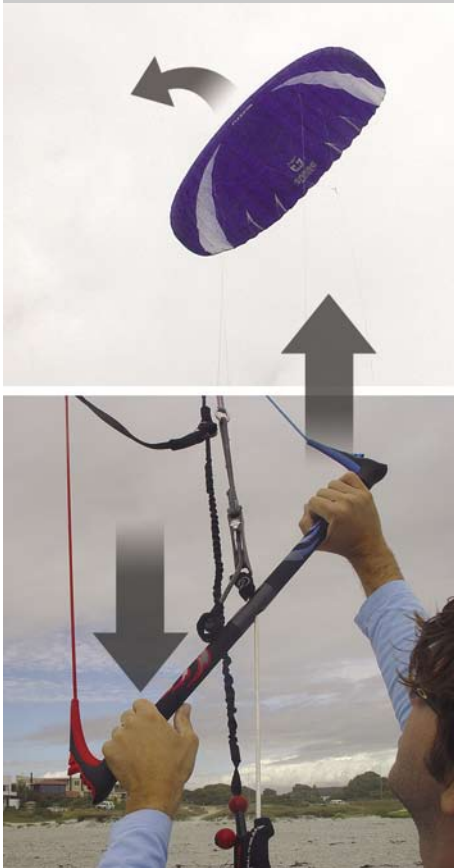
3



The kite should inflate and fly into the minimum power area of the wind window

## 9.1 Flying Your Kite

### FLYING LEFT



Pull the left end of the bar towards you to turn the kite to the left

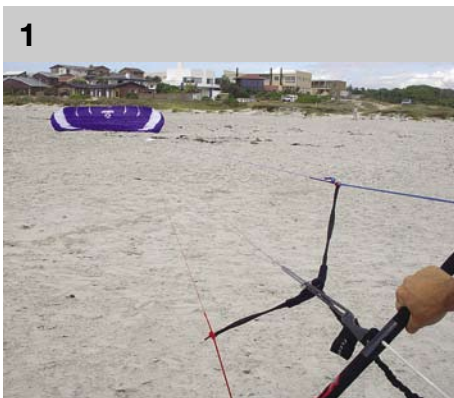
### FLYING RIGHT



Pull the right end of the bar towards you to turn the kite to the right

## 9.2 Relaunching

1



With the kite's leading edge down, pull the landing line to start to reverse the kite

2



Continue to pull the landing line towards you, and the kite will reverse and flip so it can be relaunched

3



Once the kite has flipped over, release the landing line to launch the kite

## 10.1 Landing the Sabre

1



Grab the landing line and pull down

2



The kite will reverse down to the ground

3



To secure the kite, stake down the landing line

## 10.2 Assisted Landing

1



Fly kite to the edge of the wind window and towards the ground

2



Ask an assistant to grab the wingtip of the kite

3



Place sand on wing tip to secure kite

# 11 Packing the Kite

## 1 SECURE KITE



Place sand on wing tip to secure kite

## 2 SECURE BRIDLES



Secure all bridles within the croc grips

## 3 PREPARE BAR



Collect all of the soft goods into the centre of the bar

## 4 WRAP SOFT GOODS



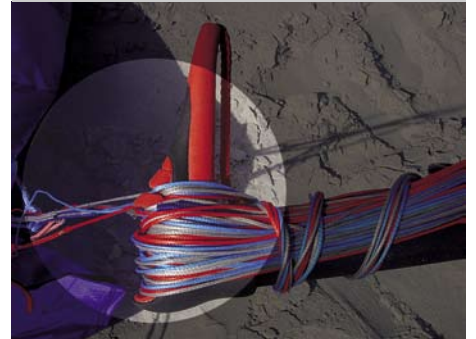
Wrap all of the soft goods in a figure of eight around the centre of the bar

## 5 WIND FLYING LINES



Wrap flying lines around the barends in a figure-of-eight motion

## 6 LOCK LINES



Lock lines off using the linelock system

## 7 FOLD KITE



Fold kite in towards the centre

## 8 BAR ONTO KITE



Place bar on kite and begin to roll the kite up from trailing edge to leading edge

## 9 ROLL UP BAR



Continue rolling over the bar towards the trailing edge

## 10 SECURE KITE CLIP



Place clip around kite

## 11 DONE!



Finish by placing the kite in the bag

# 12.1 Care and Maintenance

Taking good care of your kite will prolong its life

- AVOID flying your kite near trees, hedges, stone walls, barbed wire fences or other obstacles that could damage your kite.
- DO NOT drag your kite across the ground when trying to launch or land, especially in stubble fields, on stony beaches or on other abrasive surfaces that could damage your kite.
- NEVER store your kite wet. Always allow it to dry before packing and storage.
- Your kite can be hand-washed with care in warm NOT HOT soapy water. Use a mild detergent, i.e. washing up liquid, and a soft sponge.
- DO NOT use aggressive detergents or abrasive materials to clean your kite.
- DO NOT use a washing machine or tumble dryer!
- ALWAYS check your equipment for wear and tear before using it and repair or replace accordingly.

# 12.2 Repairs Service

Damaged your kite? Flexifoil kites have been designed to be strong and durable. However, they are not indestructible. If they are crashed hard into the ground or dragged they may get damaged. For this reason we have a repairs service available.

## ONE MONTH FREE REPAIR OFFER

Sabres are covered by our One Month Free Repair Offer. If you damage your kite within one month of purchase, we will repair it free of charge! Please follow the instructions on the Free Repair Voucher you received with your kite or visit [www.flexifoil.com/repairs](http://www.flexifoil.com/repairs) for more details.

## STANDARD REPAIR SERVICE

If you damage your kite when the One Month Free Repair Offer has expired, Flexifoil offer a quick and inexpensive repair service to all its customers. We also stock spare parts and sails for both current and discontinued kites. You can repair small tears with Flexifoil self adhesive repair tape. For larger and more complicated repairs, we recommend that you return your kite to Flexifoil International.

Flexifoil undertake most repairs at our factory but overseas customers should contact their local distributor for assistance. Please visit [www.flexifoil.com/repairs](http://www.flexifoil.com/repairs) for the latest information.

# 12.3 Warranty

At Flexifoil we believe in designing and manufacturing our products to the highest possible standards. We pride ourselves on our outstanding quality control but if any of our products fail as a result of defective workmanship or faulty materials, we will repair or replace it free of charge. This is in addition to your statutory rights.

Products will not be repaired or replaced which have been:

- damaged as a result of normal wear and tear, misuse or neglect
- repaired or modified without the authorisation of Flexifoil International Ltd
- returned to Flexifoil International Ltd without a valid receipt

If you live in the UK, please return faulty products to your local dealer or Flexifoil International. If you live outside the UK please return faulty products to your distributor. A list of dealers and distributors can be found at [www.flexifoil.com](http://www.flexifoil.com)

## Important note on flying lines

Flexifoil will not replace flying lines that have been improperly used, have become worn through normal use or have failed as a result of knots in the line. If kites are flown on flying lines of insufficient breaking strain, the lines will break. Always follow Flexifoil recommendations to ensure that flying lines of an appropriate breaking strain are used when flying one or more kites.



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