

Technical specifications of the Hi-Arc

Flat surface area	6.0 m ²
Projected surface area	4.0 m ²
Number of cells	25
Flat wingspan	600 cm
Maximum profile length	123 cm
Wingtip profile length	44 cm
Recommended wind range	8-25 knots

Skin fabric	Chikara Rip Stop nylon
Wingtip battens	4 mm carbon/glassfibre

Accessories

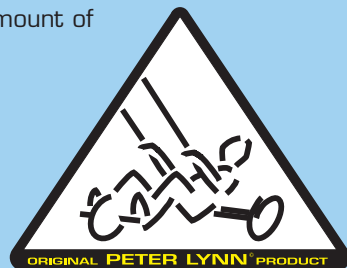
Recommended line length	30 meters
Recommended line strength	220 kg top lines, 170 kg brake lines
Recommended bar length	50 cm

A battery powered pump is also recommended.

There is a whole range of products available from Peter Lynn. Buggies, buggy accessories, various power kites and kitesurfing equipment. A large amount of power kiting accessories are also available, for example harnesses, bars and handles and flying line.

There are various kinds of buggies with a large amount of spare parts & extra's.

For more info on these products or any other questions, please visit:
<http://www.vliegerop.nl/peterlynn/>



HI-ARC

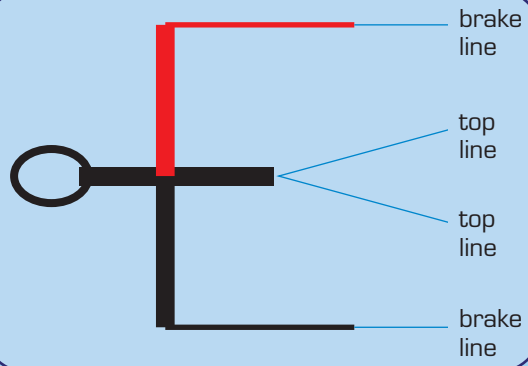
USER MANUAL



The Hi-Arc is a kite specially designed for buggy riding on a high level. The Hi-Arc has a few characteristics which make it perfect for high speed racing:

- Extremely high upwind performance
- High top speed
- Low side pull, for a fast and comfortable ride
- Luff resistant
- Depower system, for more control
- Very large windrange

BAR SETUP



The bar used for the Hi-Arc is a four line bar with a depower system. Handles are not recommended.

Connect the top lines to the top loops on the kite and to the center of the bar.

Connect the rear lines to the bottom loops on the kite and the outer ends of the bar.

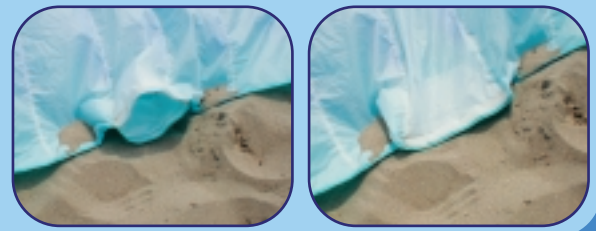
PRE-INFLATION



Before launching your Hi-Arc you need to pre-inflate it **entirely**. We even recommend a battery powered pump to make sure it is fully inflated.

Lay your Hi-Arc down with its trailing edge towards the wind as shown. Secure the kite with little heaps of sand on the trailing edge in between the profiles and open the valve in the center. The air can now flow into the kite.

To close the inflation/deflation hole, make sure the complete flap is folded to the inside and secure the velcro as shown.

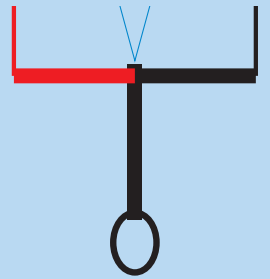


BAR HANDLING

The four line bar works best, it gives the rider the possibility to easily have full control over the power of the kite. Hook in the depower loop when flying.

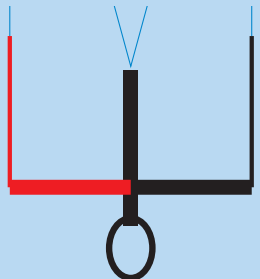
Sheeting the bar out:

- speeds up the kite
- reduces the power of the kite



Pulling the bar in:

- makes the kite steer faster
- increases the power of the kite



LAUNCHING

1. Lay your Arc down with some sand on one tip. The webbing on the lower skin should be parallel to the wind direction. Walk back to put tension on your lines. You should stand in the right position so your lines are 45 degrees to the wind direction. The kite should be ready to fly to the edge of the wind, not the center of the wind window!
2. Take a few steps back to lift up the tip.
3. The kite will slowly open up further. Keep a great amount of tension on the rear lines, to prevent collapsing.
4. When the kite is off the ground, keep the tension on the rear lines. The kite will find its shape and fly off. Slowly sheet out the bar while flying up to the zenith.



Tips when flying the Hi-Arc:

- Always fly the Hi-Arc with great care. The speed of the kite and the lift of the kite can be dangerous, specially when flown by inexperienced kiteflyers.
- While riding your buggy and flying the kite up to the zenith, do not pull in the bar. The kite will produce a fair amount of lift and it can pull you out of your buggy.
- For a safer and easier launch, always make sure your Hi-Arc is *fully inflated*. A battery powered pump is available through your Peter Lynn dealer.

Maintenance tips:

- When finished flying the Hi-Arc, hold the tips together and roll up the kite. Do not pack your kite when it is wet.
- Do not leave your kite in the sun when not in use to prolong the life of your fabric.

Safety precautions:

- Stay away from power lines, roads, airfields, railway lines.
- Never launch your kite on crowded beaches.
- Do not fly your kite over bystanders.
- Make sure there is a 'clear' downwind area of at least three times the distance of your flying line length.
- Never fly kites in thunderstorms, lightning or gusty/stormy winds.
- We strongly recommend the use of a helmet and protective gear while riding your buggy.
- Powerkites are no toy's, they should not be flown by inexperienced persons and certainly not by children.
- Learn to fly kites with smaller models and start in light winds.
- Never use kites for paragliding or parachuting.

TIPS & SAFETY