

AirBorne
AUSTRALIA



C4

competitive performance

If you've ever owned an Airborne glider you will know how much care has gone into the finished product. It is almost a pleasure to set up the glider each time (even if it's already on) just to see the CNC milled parts that fit so perfectly together. With the release of the C4 you will see we have gone a step further, the sail technology in this our latest high performance glider is unsurpassed. The C4-13, 13.5 and 14 are both a delight to fly. Superb handling in the loose setting and incredible performance in the VG on setting. Take the C4 for a test fly and be impressed.



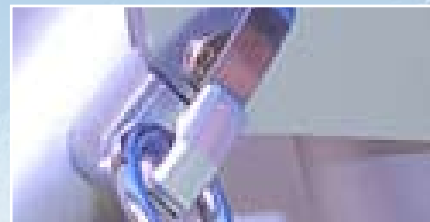
Performance you can handle is a phrase that has been used before in our sport. We could think of no better words that could best describe the brilliant performance the C4 delivers along with it's easy handling. Countless hours of development have gone into the C4 and now we have the perfect compromise – a sail-fit that matches the frame in it's differential VG setting. This all equates to a glider that handles and lands so easily in the loose VG setting to a glider that will give you optimum glide in the VG on setting. The C4 is a true competition glider straight off the shelf.

FEATURES

- New airfoil profiles
- Cleaner sail with a new sail cut.
- More leading edge wrap
- A new leading edge tensioning system
- A new tip geometry
- More double surface
- Taller keel pocket for a stable high speed airfoil at the centre section
- A new under surface panel layout
- A new under surface that looks near perfect in flight.
- Reduced wing twist
- Competitive high speed glide performance
- Easy to steer on climb and on glide.
- Predictable landing characteristics.
- Internal Stability Compensation gives unsurpassed stability throughout the VG range.
- Cam Vg System allows constant anhedral with increased travel. No need to lift the pilots weight to pull VG on.
- Exceptional Sail constructed of PX 20 leading edge. The main sail is made from "Matrix" Polyester laminate with a 13-degree warp oriented X-Ply Polyester yarn. A light weight Taffeta is laminated to the cloth for extra durability.
- Light weight, with 7075 main airframe and tubular carbon cross bars.
- Streamline clip tip battens are constructed from virtually maintenance free 7075-T6 tubing.
- **Options (visit website for details):**
 - Microdrag Control Frame Option.
 - Streamline Control Frame Option.
 - Streamline Control Frame Option w/ Carbon Microdrag base bar.
 - Carbon Leading Edge Inserts.
 - Custom Colours.



C4 Centre Section: The centre section on the C4 is an engineering work of art. Totally manufactured in house on our CNC miller the cross bar wedge is made from solid 7075 aluminium. The cross bar ends are milled in house from solid 6061-T6 and are bonded into our carbon fibre cross bars. Stainless steel pins are used to connect the cross bar ends to the wedge plates. The CNC allows us to work to + or - 0.1 of a millimetre tolerances.



Nose Wire Quick Clip: Another part manufactured in house on our CNC miller the nose quick clip allows for quick and easy attachment of nose wires. Makes attaching the nose wires easy in windy conditions.



Pullback Quick Clip: The crossbar pullback on the C4 is easy with the 2:1 reduction. The pullback easily locates into the quickclip. The keel, and front and rear leading edges are made from 7075 aluminium.



Sail work on the C4 is of the highest quality. To get optimum performance and looks we finish off the wire holes and the top control frame holes with neoprene.



Microdrag Control Frame (option): This is the optimum control frame available for serious competition pilots. The downtube profile is thinner and the chord is wider than the standard frame, the milled corners connect neatly to the airfoiled carbon fibre speed bar. The speedbar is aerodynamically shaped and then rounded at the hand grips for pilot comfort. Another advantage of carbon on the speedbar is that it does not transfer the heat away from the pilot's hands as much as the aluminium does at cold, high altitudes.

	C4-13		C4-13.5		C4-14	
	metric	imperial	metric	imperial	metric	imperial
Sail area	12.7sqm	137sq ft	13.5sqm	146sq ft	14.3sqm	154sq ft
Wing span	9.6m	31.5ft	10m	32.8ft	10.4m	34.1ft
Aspect ratio		7.3		7.4		7.6
Nose angle		128-133°		128-133°		128-133°
Double surfacew		93%		93%		93%
Batens		22+6		24+6		24+6
Glider weight	33kg	73lb	34kg	75lb	36kg	79lb
Packed length	4.9m	16.1ft	5.1m	16.7ft	5.3m	17.3ft
Short packed	3.8m	12.5ft	4m	13.1ft	4.1m	13.5ft
Rec. pilot hook in weight	55-80kg	121-176lb	70-100kg	154-220lb	85-120kg	187-265lb
VNE (max velocity)	85km/h	53mph	85km/h	53mph	85km/h	53mph
VA (max rough air velocity)	74km/h	46mpg	74km/h	46mpg	74km/h	46mpg
VD (max steady state velocity)	125km/h	78mph	125km/h	78mph	125km/h	78mph