

AirBorne

AUSTRALIA



STING 3

FOR SERIOUS RECREATION

www.airborne.com.au

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DESIGN FEATURES

Classed as our "recreational" glider the Sting 3 is for the pilot that desires good performance with exceptional climb. A glider that is still very easy to launch and land.

Flying the new Sting 3, the things that stand out about the flying characteristics are:

- The very much improved glide performance
- Ease of steering with the VG on
- Great handling at low speed and maintaining manoeuvrability & controllability making it a very nimble yet stable glider to climb in thermals

The Sting 3 has an increased range of travel on the VG system. Landing the Sting is fun, with great low speed handling authority right up to an easy flare and touch down.

The Sting 3 has a new luff curve at the heart of the design meaning that the sail has been entirely redesigned. Looking at the sail, the most recognisable difference is the undersurface layout and the increased amount of undersurface, particularly at the tips to improve the high speed glide performance.

The Sting is constructed using 7075 airframe, fitted with faired king post, downtubes and speed bar as standard. The Sting includes a VG system as standard.

FEATURES

- Improved glide angle at inter thermal glide speeds.
- Lighter roll control at low speeds.
- Lighter roll control and more predictable docile stall with VG on.
- Lighter pitch pressures and easy aerotow using a shoulder attached tow bridle.
- Wider range of travel for the variable geometry system.
- New control frame, using the same control frame as used on the C4, with streamline downtubes, interchangeable control bar options including round speedbar, airfoil aluminium and airfoil carbon control bars - all changed by pip pins.
- New 7075 airframe.
- New sail luff curve.
- New airfoils.
- New top surface.
- New under surface, with increased double surface area for long XC glides.
- Improved under surface control with an additional batten.
- King post hang.

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Sting 3 Basebar Option



Sting 3 with Clip Battens



Sting 3 154 and 175



Sting 3

Sting 3 SPECIFICATIONS

	STING 3 - 154		Sting 3 - 168	
	METRIC	IMPERIAL	METRIC	IMPERIAL
SAIL AREA	14.33 sq m	154 sq ft	15.60 sq m	168 sq ft
WING SPAN	9.1 m	29.8 feet	9.5 m	31.1 feet
ASPECT RATIO	5.7		5.7	
NOSE ANGLE	121 degrees		121 degrees	
DOUBLE SURFACE %	75%		75%	
BATTENS	22		24	
GLIDER WEIGHT	26 kg	57 lbs	30 kg	66 lbs
ASSEMBLY TIME	7 min		8 min	
PACK UP LENGTH	5.5 meter	18.1 feet	5.7 meter	18.7 feet
RECOMMENDED PILOT HOOK IN WEIGHT RANGE (includes equipment)	60-100 kg	132-220 lbs	80-120 kg	176-264.5 lbs
VNE (Velocity Never to Exceed)	85 km/h	53 mph	85 km/h	53 mph
VA (Maximum rough air manoeuvring speed)	74 km/h	46 mph	74 km/h	46 mph