

# Avian

## Fly



The Avian Fly was designed around the concept of simplicity. It's a lightweight single surface glider which is well engineered, easy and fun to fly but without any unnecessary gadgets or hassle. It's just pure flying, hence the name!

The Fly is intended as a first glider for novices or as a second glider for seasoned pros who want something to go alongside their hot-ship! It's also ideal for power flight (including the new nano-trikes) as it's a lightweight glider with an extended weight range.

For example a 100kg pilot in a 40kg trike would still be within the weight range of the Fly 17 and the weight of glider and trike is less than 70kg.

The Fly is available in 15 and 17 square metre versions for supine, prone or powered flight. The trike version can also be flown supine.

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# AVION

## Fly

### Technical Specifications

	Fly 15	Fly 17
Wing area	15sqm	17 sqm
Wing span	9.4m	10.1m
Aspect ratio	5.9:1	6:1
Double surface	30%	30%
Max L/D ratio	10	10
Speed range (normal operating)	18-40mph	18-40mph
Velocity never to exceed	50mph	50mph
Minimum clip in weight	75kg	92kg
Maximum clip in weight (free-flight)	105kg	127kg
Maximum clip in weight (powered)	120kg	140kg
Glider weight (not including bags and packing)	23kg	26.5kg

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# Avian

## Rio2



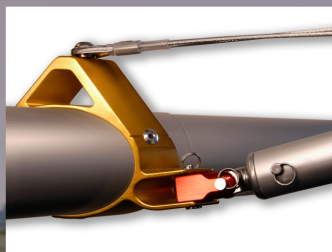
The Avian Rio2 is the latest incarnation of the much beloved Rio sports glider.

The Rio2 retains the fun and easy handling of it's predecessor while adding performance, including a VG system.

As with all Avian gliders, the build quality and the engineering of the fittings and components is second to none.

As with the Fly, the Rio2 has been load tested to an extended upper limit making it perfect for use with power units and nano-trikes. The Rio2's excellent sink rate and low stall speed translates into amazingly short take-off and landing runs.

The Rio2 is available in 15 and 17 square metre versions for supine, prone or powered flight. The trike version can also be flown supine.



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# AVION

## Rio2

### Technical Specifications

	Rio2 15	Rio2 17
Wing area	15sqm	17 sqm
Wing span	9.4m	10.1m
Aspect ratio	5.9:1	6:1
Double surface	60%	60%
Max L/D ratio	11	11
Speed range (normal operating)	15-50mph	15-50mph
Velocity never to exceed	50mph	50mph
Minimum clip in weight	75kg	92kg
Maximum clip in weight (free-flight)	105kg	127kg
Maximum clip in weight (powered)	120kg	140kg
Glider weight (not including bags and packing)	26.5kg	30kg

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# Avian

## Puma



The Avian Puma is the newest addition to the Avian range. It is a high performance glider, taking much of the technology from the Evo3 and applying it to a kingposted glider.

The semi-elliptical planform, polyhedral and raked forward kingpost make it a distinctive glider that flies as well as it looks with great handling and excellent performance. The raked kingpost enables a long travel VG system without the excessively slack sidewires that characterise other high performance kingposted gliders. Build quality is second to none and at 28.5kg the Puma is surprisingly light for a glider with this much performance.

The Puma is available in 13.5 square metre size with a wide range of options. Versions for powered and supine flight are planned, as is a large 15 square metre version.

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## Puma Technical Specifications

	Puma 13.5
Wing area	13.6sqm
Wing span	9.75m
Aspect ratio	7.4:1
Double surface	>90%
Max L/D ratio	15
Speed range (normal operating)	18-62mph
Velocity never to exceed	62mph
Minimum clip in weight	75kg
Maximum clip in weight (free-flight)	105kg
Maximum clip in weight (powered)	120kg
Glider weight (not including bags and packing)	28.5kg

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## Evo3



Photo: Katy Cole



Photo: Katy Cole



The Evo3 is the latest version of the Cheetah high performance topless glider from Avian.

The semi-elliptical planform and polyhedral gives the Evo3 a distinctive look in the sky, but more importantly exceptionally light handling for a topless glider combined with great performance. In particular the sink rate is remarkably low, meaning you'll stay up when others go down! The build quality is superb and features many Avian innovations, for example look at the exquisite engineering that goes into the Bullet style fittings on the Speed control frame and note the uprights are made in two pieces for greater safety.

The Evo3 is available in 140 (approx 13.5 sqm) and 150 (approx 15 sqm) sizes with a wide range of options, including the Speed control frame and various carbon fibre upgrades.

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# AVION

## Evo3

### Technical Specifications

	Evo3 140	Evo3 150
Wing area	13.6sqm	14.5 sqm
Wing span	9.75m	10.14m
Aspect ratio	7.4:1	7.5:1
Double surface	>90%	>90%
Max L/D ratio	15.5	15.3
Speed range (normal operating)	18-70mph	15-70mph
Velocity never to exceed	70mph	70mph
Minimum clip in weight	75kg	80kg
Maximum clip in weight	105kg	110kg
Glider weight (not including bags and packing)	33kg	35kg

