

NZ AEROSPORTS PRODUCT GUIDE  
2019



# NZAA Icarus CANOPIES<sup>NZ</sup> PRODUCT GUIDE

# NZ AEROSPORTS PRODUCTS

## THE SAFIRE 3



### **Who should fly a Safire 3?**

The Safire 3 is our entry-level 9-cell, suitable as a first and second canopy after AFF, and as an all-round easy-to-use wing for more experienced jumpers, wingsuiters, or jumpers returning to the sport.

### **Flight characteristics:**

Easy openings, lots of range and a great flare make the Safire 3 an easy ride for all skydivers, no matter what their experience.

### **How many jumps should someone have to fly a Safire 3?**

New jumpers find the Safire 3 a perfect confidence builder and it's very popular with skydivers from 25 jumps to 500+.

### **What should a Safire 3 be loaded at?**

The Safire 3 is commonly loaded under 1.0 for beginner skydivers. She can be comfortably flown up to a wingloading of approximately 1.6. It is safe to fly a Safire 3 at higher wingloading, but we'd suggest a Crossfire 3 if someone is up to that level of canopy flying.



## THE CROSSFIRE 3



### **Who should fly a Crossfire 3?**

The Crossfire 3 is our elliptical 9-cell sports canopy, perfect for the intermediate canopy pilot to progress on at higher wingloadings.

### **Flight characteristics:**

Phenomenal soft openings, responsive inputs and a powerful flare make the Crossfire 3 an awesome combination of safe and fun.

### **How many jumps should someone have to fly a Crossfire 3?**

The Crossfire 3 is designed for intermediate pilots with 500+ jumps.

### **What should a Crossfire 3 be loaded at?**

Loaded from 0.9-1.5 the Crossfire 3 is a safe, responsive wing, with lots of range and flare, without displaying some of the higher performance characteristics people have come to expect of her. At wingloadings of 1.5 and above she comes alive with quick zippy turns, a bit more dive, and lots of power on the rears. It's common for people to start learning the basics on lightly loaded Crossfire 3, and progress through smaller and smaller Crossfire 3's with higher wingloadings until they are doing consistent 90-degree to 270-degree turns and are ready to go crossbraced. Above 1.9 we advise pilots to go crossbraced instead.



## THE JFX 2



### Who should fly a JFX 2?

The JFX 2 is our 21-chamber (7-cell) crossbraced canopy, equally as suitable as a first crossbraced wing for a pilot transitioning from a Crossfire, as she is for experienced swoopers, organizers, teams and cameraflyers.

### Flight characteristics:

With the JFX 2 you get crossbraced performance with Crossfire type ease. This is what makes her perfect for newer high performance pilots all the way to experienced swoopers, and what makes her the ideal crossbraced wing for jumpers with heavy camera equipment.

### How many jumps should someone have to fly a JFX 2?

Confident pilots who have put the work in learning to swoop and done lots of canopy specific skydives could be ready to fly a JFX 2 by 700-800+ jumps. More commonly pilots have 1000+ jumps when they transition onto a JFX 2.

### What should a JFX 2 be loaded at?

Like any crossbraced wing, the JFX 2 performs best at a wingloading of 1.8 and above. You can load her right up to above 2.8+ and get great swoops. But that doesn't mean the JFX 2 is unsuitable at lighter wingloadings. For small girls and light guys, a JFX 2 loaded between 1.6-1.8 is a great first crossbraced wing. It will fly through turbulence far better than a sports 9-cell - and it means you don't have to make a huge downsize just as you are going crossbraced.





LEIA



### **Who should fly Leia?**

Leia is our 21-chamber (7-cell) hyper-performance wing, designed to be the most powerful swooping machine for everyday jumping. But she's not for everyone. She's for highly experienced crossbraced canopy pilots already doing big rotations looking for their next high.

### **Flight Characteristics:**

Leia flies true to Petra's flight characteristics, with a high roll rate, a very long dive, and the widest speed range able to be covered by a parachute. She is superb at both ends of the scale: you will find she can fly slower than any other canopy in her range, and faster. She is a little less sensitive than Petra, but still able to be completely controlled in the harness by her pilot.

### **How many jumps should someone have to fly Leia?**

We require people to have a minimum of 500+ jumps on a crossbraced canopy at 2.0wl or above, and a minimum of 1500+ total jumps. There are some exceptions to these where a pilot shows exceptional ability, has received high quality coaching, and done a lot of canopy specific skydives.

### **What should Leia be loaded at?**

Leia should be loaded at a minimum of 2.0 and loves being loaded at 2.4 and above. You can load her right up to the 3.0-4.0s for swooping and XRW flight and she becomes a beast.



PETRA



### **Who should fly Petra?**

Petra is our full sail 27-chamber (9-cell) competition swoop specific hyper-performance wing designed to dominate in CP competition. She is for highly experienced competitive canopy pilots.

### **Flight Characteristics:**

Petra has brisk but comfortable terminal and sub-terminal openings. She has a high sensitivity to all inputs - harness weight shift, front and rear risers and toggles - and a high roll rate in particular. Oscillation from side to side is typical while removing the RDS. Petra's front risers are incredibly light without any need for depressurization on the brakes. With a high descent rate Petra eats up altitude in full flight. Petra is not for the faint of heart.

### **How many jumps should someone have to fly Petra?**

We require people to have a minimum of 1000+ jumps on crossbraced canopies at a 2.0wl or above and a minimum of 2000+ jumps. They need to have done 250+ jumps and competed at least once in the last year. There are some exceptions to these where a pilot shows exceptional ability, has received high quality coaching, has done a lot of canopy specific skydives, or has competed to a high level but not in the last year.

### **What should Petra be loaded at?**

Petra should be loaded at a minimum of 2.4 and loves being loaded at 2.6 and above. You can load her right up to the 3.0-4.0s for competition and XRW flight.



**THERE'S  
FUN  
TO BE HAD**

