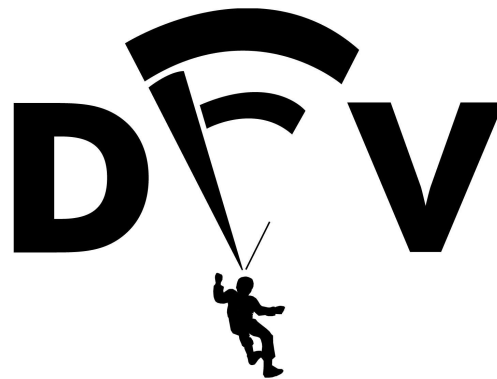


**Application
For
Airworthiness Certification
Through**



DEUTSCHER FALLSCHIRMSPORT VERBAND e.V.

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LBA-authorized board of airworthiness approval
for sport parachute components

General Information for the applicant!

1. By introducing the new law on Federal Aviation Regulations in Germany in July 2001 all Sport Parachute Assemblies and their components (mains; reserves and harness/container systems) are due to a Airworthiness Certification and Registration. The DFV is an authorized board by the Luftfahrt-Bundesamt (LBA) (= Civil Aviation Authority) to issue these certifications and register the applied for model/type.
2. The DFV had the opportunity to involve itself in the drafting of those paragraphs containing the Standards of Airworthiness Certification in Germany.
3. The DFV has a professionally operated office with a Technical Director in charge of all technical matters. He is the person to contact.
4. The following papers must be submitted by the applicant (manufacturer) to the DFV for the issue of a German Airworthiness Certification (Musterprüfung)!
 - A) The completely and correctly filled in Technical Data Sheet.
 - B) Documents giving proof, that the applied for mode/type has met the standards of airworthiness in its country of origin (this applies only for harness/container systems and reserve parachutes).
 - C) Documents giving proof that the applied for main parachute has undergone sufficient testing by the manufacturer to assure safe operating characteristics.
 - D) An owner's manual written in German or English language.

SECTION 1 GENERAL INFORMATION

1. MANUFACTURER

Company: NZ AEROSPORTS LTD

Owner: NZ Aerosports Holdings Limited

Address: 137 Great North road GREY LYNN AUCKLAND

Tel / Fax: +6493600045/ +6493788571

Country: NEW ZEALAND

2. PRODUCT

H/C System Yes No X

Reserve Canopy Yes No X

Main Canopy Yes X No

3. Product Name:

JFX 2

4. AIRWORTHINESS CERTIFICATION IN COUNTRY OF ORIGIN

US FAA TSO Yes No X

GB BSI Yes No X

MILITARY Yes No X

OTHER _____

SECTION 2

TECHNICAL DATA SHEET

GENERAL INFORMATION

II. CANOPY (Main or Reserve)

1.1 Fabric Type(s)

SOAR COAT (30D silicone coated nylon),
PARAGLIDING HAT COATED (30D polyurethane/silicone coated nylon)

1.2 Reinforcing Tape (Types used and tensile strengths)

TYPE-III 3/8" NYLON 200lbs-91Kg, TYPE-II 3/8" NYLON

1.3 Line Attachment Tapes (Types used and tensile strengths)

TYPE-III 3/4 NYLON 400lbs-180Kg

1.4 Thread (Types used and tensile strengths)

NYLON BONDED 60

1.5 SUSPENSION LINES

Polyester Yes No Tensile Strength (in kg) _____

Polyethylene Yes No Tensile Strength (in kg) _____

Aramid Yes No Tensile Strength (in kg)

Other: Vectran 550 Tensile Strength (in kg) 249

Other: HMA 600 Tensile Strength (in kg) 272

Other: Vectran 400 Tensile Strength (in kg) 181

1.6 UPPER CONTROL LINES

Polyester Yes No Tensile Strength (in kg) _____

Polyethylene Yes No Tensile Strength (in kg) _____

Aramid Yes No Tensile Strength (in kg)

Other: Vectran 550 Tensile Strength (in kg) 249

Other:	HMA 600	Tensile Strength (in kg) 272
Other:	Vectran 400	Tensile Strength (in kg) 181

CANOPY continued ...

1.7 LOWER CONTROL LINES

Polyester	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Tensile Strength (in kg) _____
Polyethylene	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Tensile Strength (in kg) _____
Aramid	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Tensile Strength (in kg) _____
Other:	Vectran 1000	Tensile Strength (in kg) 454

1.8

Number Of Cells	7
Number Of Chambers	21
Number Of Loaded Ribs	8 +14 X-rib
Number Of Non Loaded Ribs	14
Number Of Line Attachment Points:	36
Number Of A-Lines	8
Number Of B-Lines	8
Number Of C-Lines	8
Number Of D-Lines	4
Number Of Upper Ctrl Lines	8
Number Of Lower Ctrl Lines	2

1.9 CONSTRUCTION METHOD

Halfcell Chordwise	Yes <input type="checkbox"/> No <input type="checkbox"/>
Fullcell Chordwise	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Fullcell Chordwise (interlocking T-beam)	Yes <input type="checkbox"/> No <input type="checkbox"/>
Spanwise	Yes <input type="checkbox"/> No <input type="checkbox"/>
Other:	CROSSBRACE TRI CELL FULL CHORDWISE

CANOPY continued ...

2.0 CANOPY SHAPE

Rectangular Yes No

If other, please specify ELLIPTICAL PLANFORM

2.1 SIZES MANUFACTURED

Any from 69 to 119 sqf.

2.2 Average opening distance, (in m) and time (in sec)

150m / 4 sec

3.0 FLIGHT PERFORMANCE DATA

(submit only for 1 size of choice, based on recommended wing load)

SIZE: 83

Speed Range (km/h)	min	10	Turns	1 st 2 sec (360°/sec)
	max	80		2 nd 3sec
Descend (m/sec)	min	3		
	max	40		

3.1 Maximum deployment speed (MpH/Kts):

149/130

INDIVIDUAL CANOPY DATA SHEET

See file JFX2_DATA.xlsx attached

Enter size of the canopy in the appropriate cell of the Excel file to adapt data.

Reference to qualification test report.

The JFX2 is a progression of the JFX which we designed at NZ Aerosports. The JFX is now a well-known HP canopy that we have a lot of experience with. It has been in the field since 2009. Much in house factory testing was performed on the JFX2 in order to satisfy ourselves before we released it to the market on the 16/01/19.

Service and Instruction Manual reference number.

The manual for the JFX is extended to the JFX2.

SECTION 4

CHECK LIST

This application form must be submitted completely with the following documents:

- An airworthiness certification of the country of origin (only for models/types applicable).
- Documents of sufficient tests undertaken with main parachute (only if applicable).
- An Owner's Manual written in German or English language.

I/We hereby assure that the above form is filled out correctly and the given data corresponds fully with the applied for model/type to be certified by the DFV as LBA – authorised board of airworthiness approval.

For NZ Aerosports Ltd
Julian Peelman

Stamp and Signature of Applicant



Auckland, 21/01/19.

Place and Date