



ADVANCE EPSILON<sup>9</sup>

Product presentation

# EPSILON 9 – The Joy of Flying



It is nothing special to introduce a flying-mad earthling to paragliding. What is special is to deliver the positive experiences and high feel-good factors of the sport that keep him there for years – long after the licence. That's exactly what our EPSILON series does ...

The EPSILON 8 became well known for its balanced character, and quickly developed the sales figures and customer satisfaction that puts it among the most successful EPSILONs yet: not an easy task for our development team to top.

But we are happy that they have done it with the EPSILON 9. Their performance boost and technical upgrades both work – better performance and even more precise handling. This latest generation of our Intermediate is characterised by its quiet ride through turbulent air. We are especially pleased that this has been achieved with no alteration in passive safety.

You can find the development background and all relevant information about the EPSILON 9 in this product presentation.

### **Feeling good from the pull up**

Nothing upsets the EPSILON 9: with pitch and directional stability it forges on through turbulent air. Steering demands are answered precisely, without delay. These features combined are responsible for its defining fun and feel-good factor in the air, and as life-long partners of passive safety they share the credit for a long-lasting and uninterrupted enjoyment of flight.

### **Latest techniques for good performance**

Whether we consider the internalised Miniribs, latest Hybrid lining layout or Low Drag Stabilos, the marked EPSILON 9 performance boost results from intensive development work and subsequent technology upgrades. Needless to say the Intermediate also has all the expected state-of-the-art features like Sliced Diagonals, Advanced Airscoop and Double 3D Shaping.

### **Straightforward in every respect**

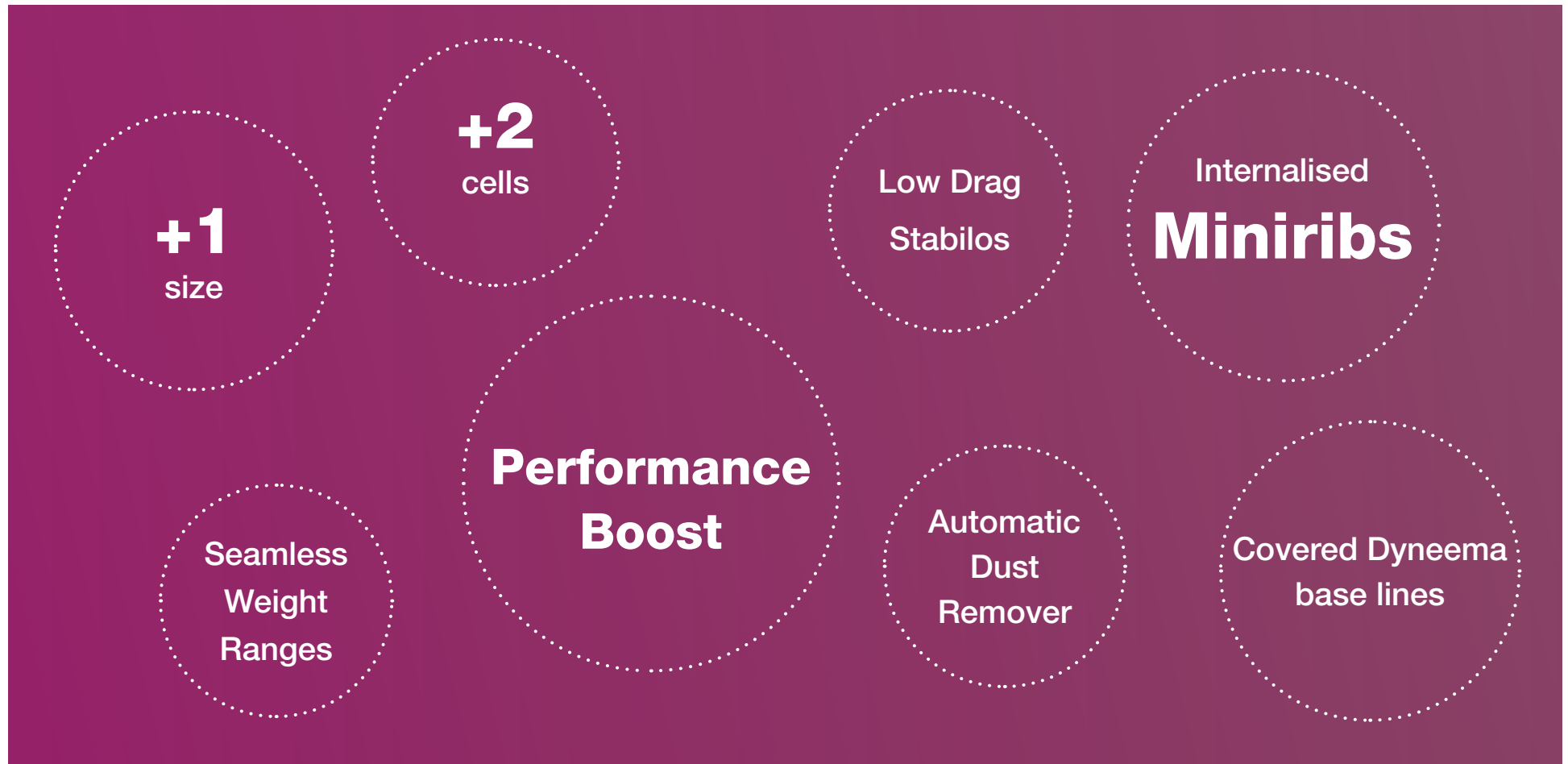
Starting with wing size choice, then to line sorting, clipping in, big ears to speedbar: the EPSILON 9 is intuitive and simple to manage. The new Automatic Dust Remove even sweeps the wing interior for you while you are flying!

comfortable

performing

convenient

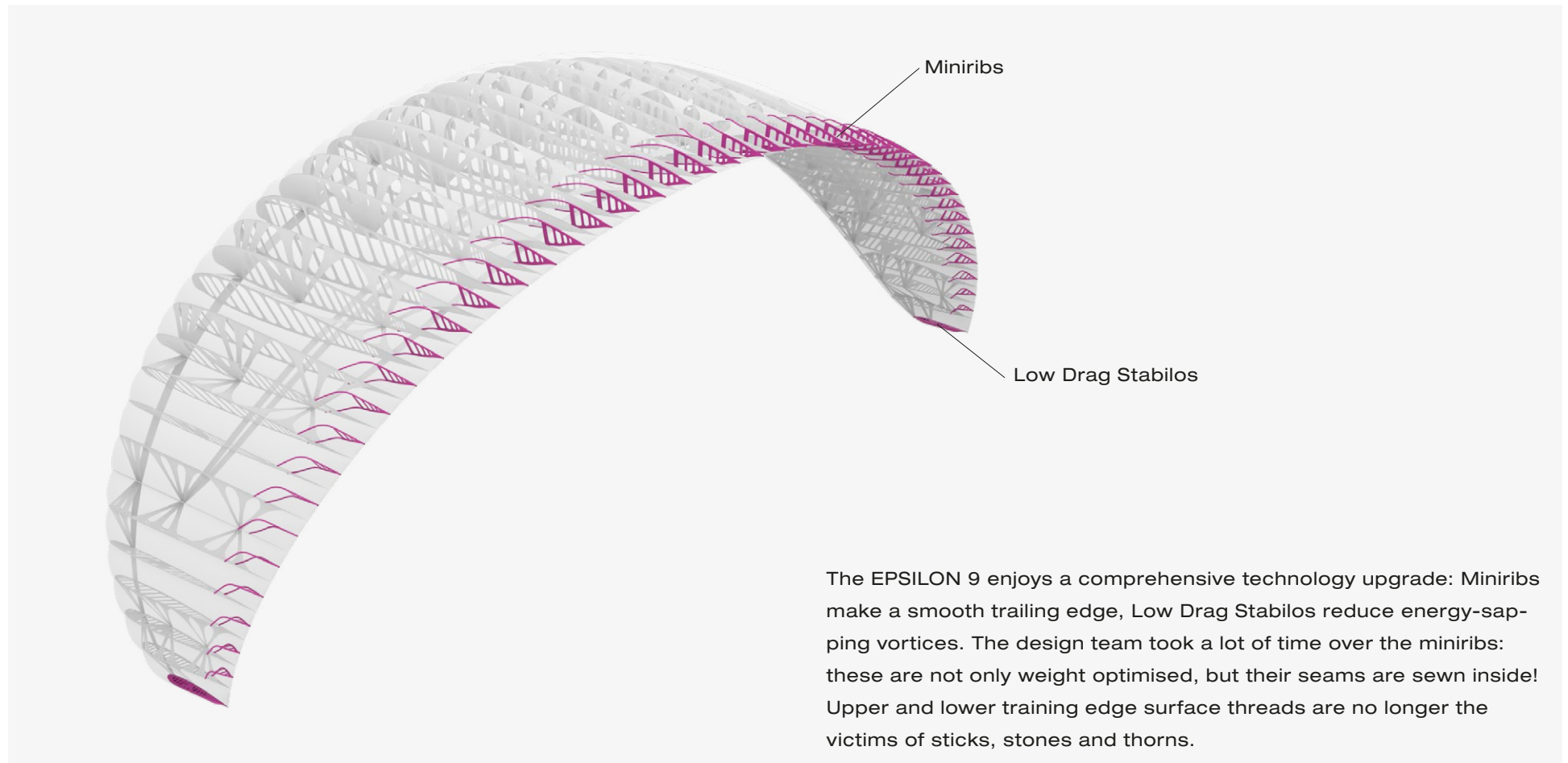
# Compared with the EPSILON 8







# Technology Upgrade



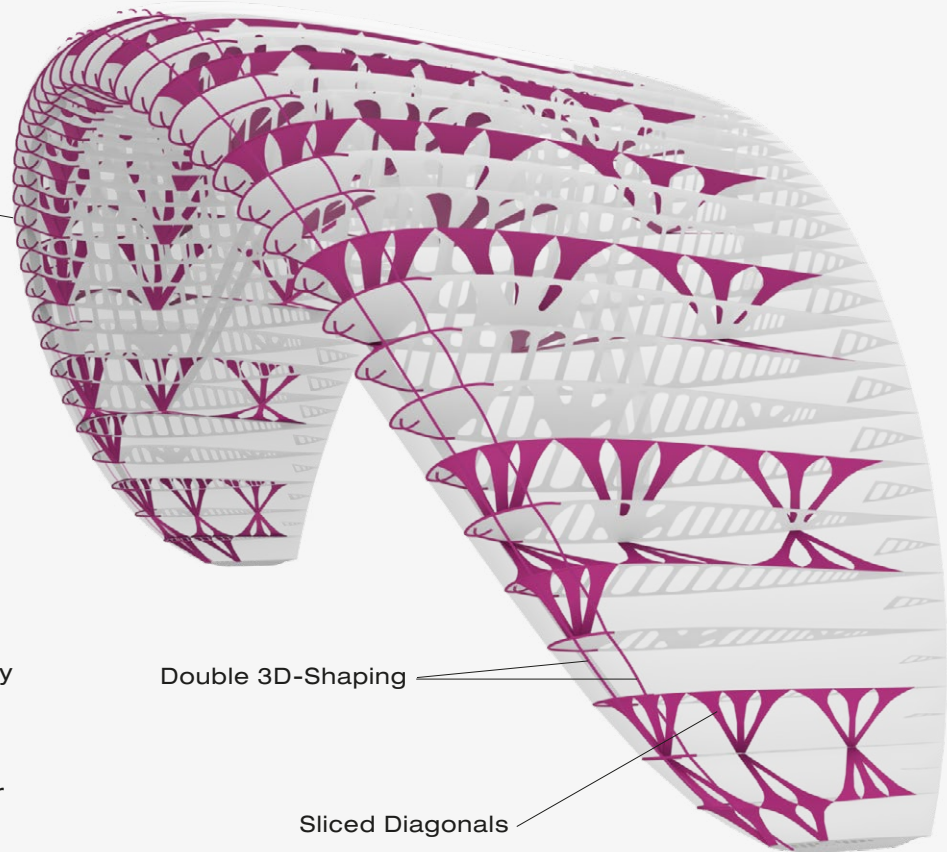
# State of the Art Technologies

Airscoop Technology

Like its predecessor the EPSILON 9 Sliced Diagonals keep the canopy shape correct for years, double 3D-Shaping creates a smooth leading edge profile. Airscoop Technology combined with the typical ADVANCE semi-circular air intakes also results in a significantly lower flow stagnation point, contributing to a later stall point with unmistakable and progressive brake load increase as a warning.

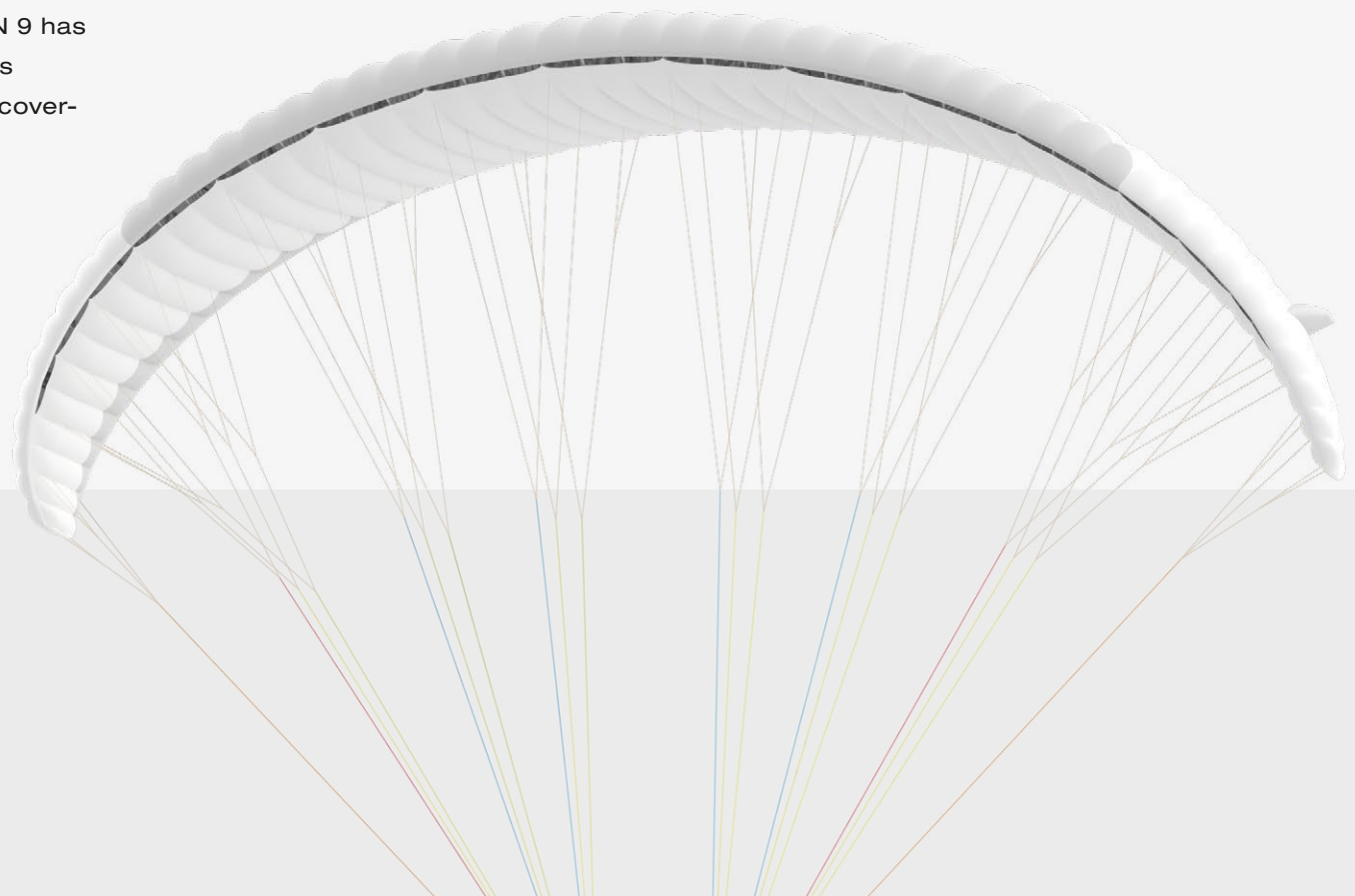
Double 3D-Shaping

Sliced Diagonals



# Hybrid Line array

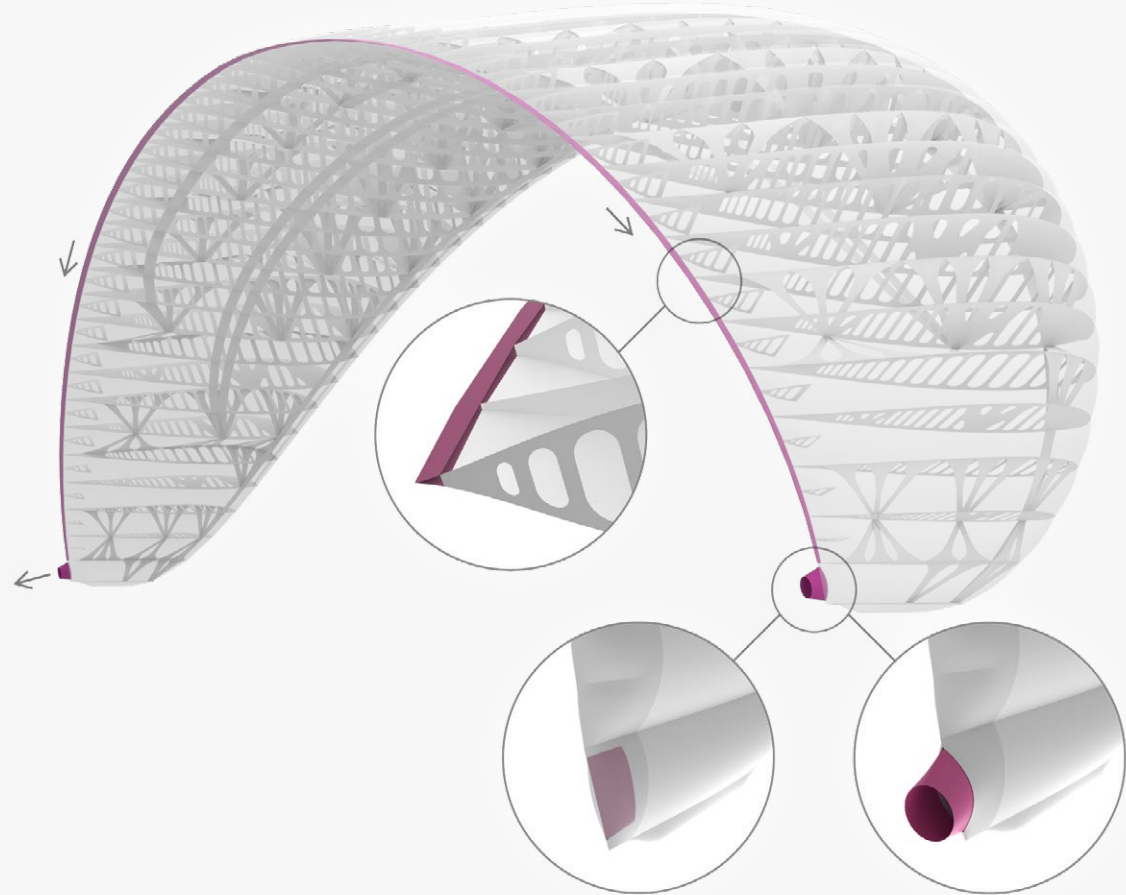
Simple and easy-to-see sorting plus maximum performance: the EPSILON 9 has an intelligent line mix of covered Liros Dyneema base lines, with robust, uncovered Edelrid Aramid gallery lines.





# Automatic Dust Remover

As a first for ADVANCE paraglider models the EPSILON 9 has a continuous all-cell channel along the trailing edge as an exit route for dust and debris. By opening the wingtip exits now and again dust and other debris can be brushed along and released to the outside world while in flight. Open the Velcros before takeoff and pull out the fabric ducting. The EPSILON 9 will do the rest.

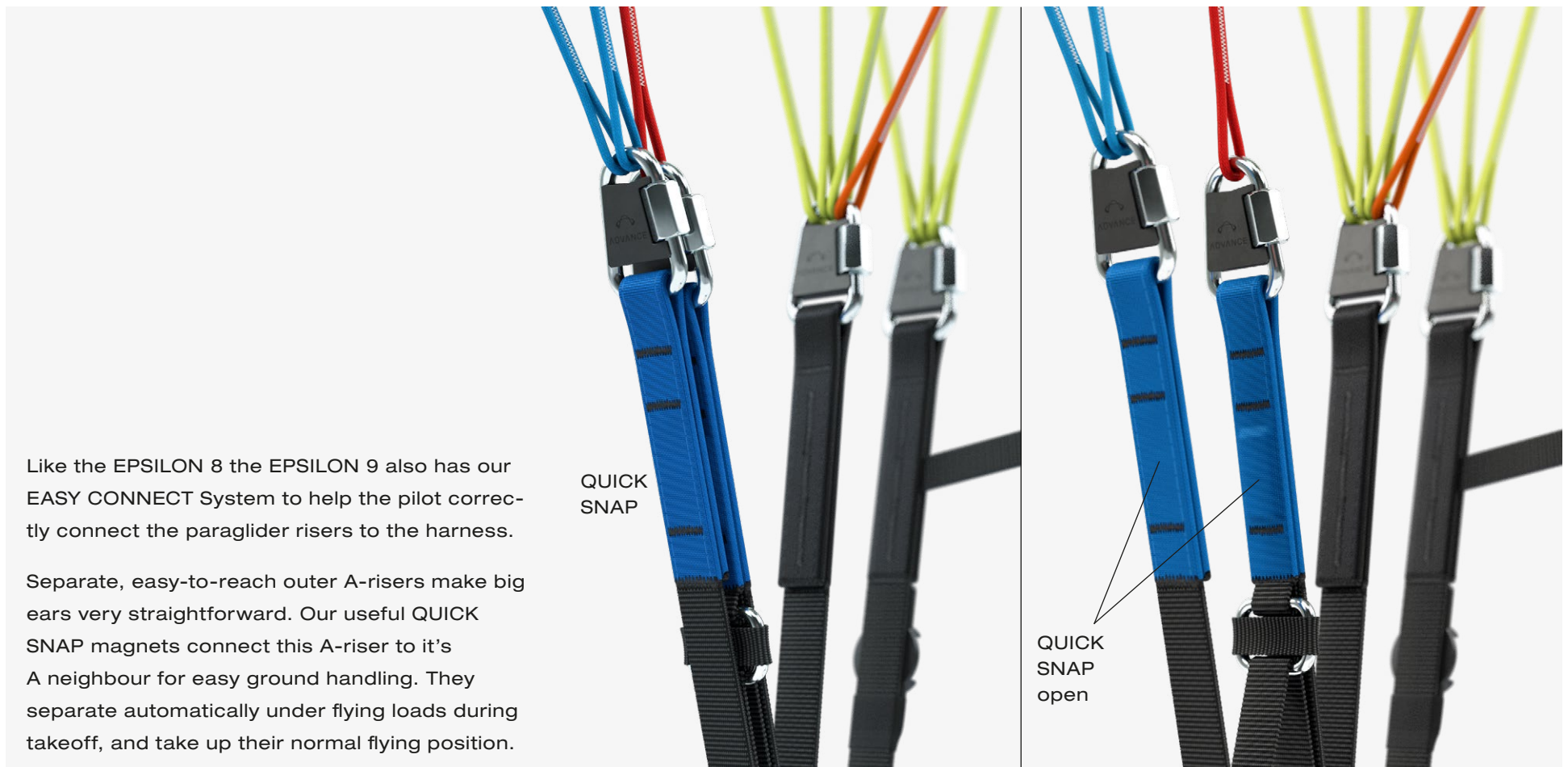


# Riser Features

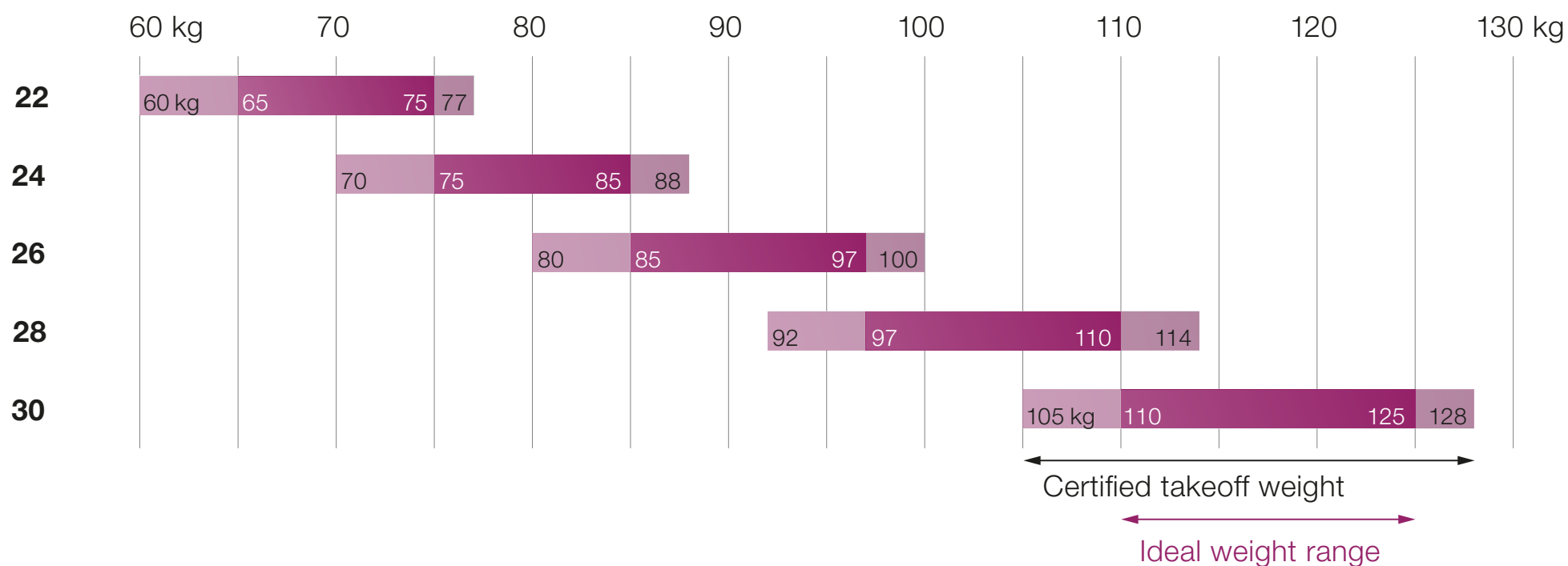
EPSILON 9 risers have all the features that make life easy for the pilot: plastic covered brake handle magnets for perfect hold, brake handle sizes that match the particular wing area, swivels to relieve brake line twists, brake pulleys for easy-running brakes and, of course, the Speed Performance Indicator. During flight this shows a broad brush indication of the chosen accelerated speed related to the wing's polar curve. This mainly simplifies the choice of best speed to fly relative to current headwind and sinking air, and initially helps the pilot to set up his harness speed lines to suit the EPSILON 9.



# Tried and tested by the EPSILON 8



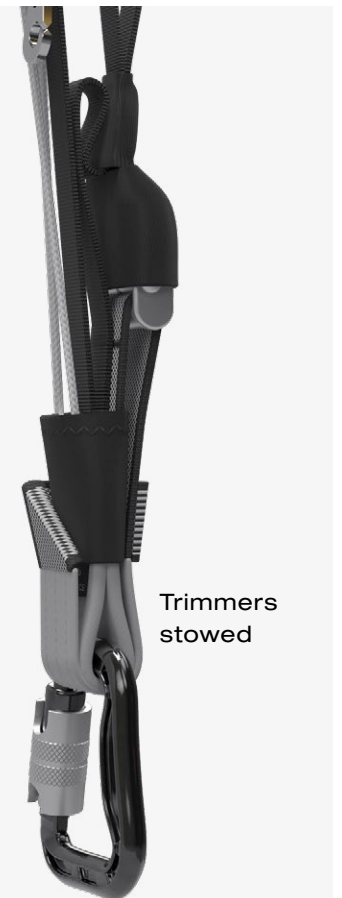
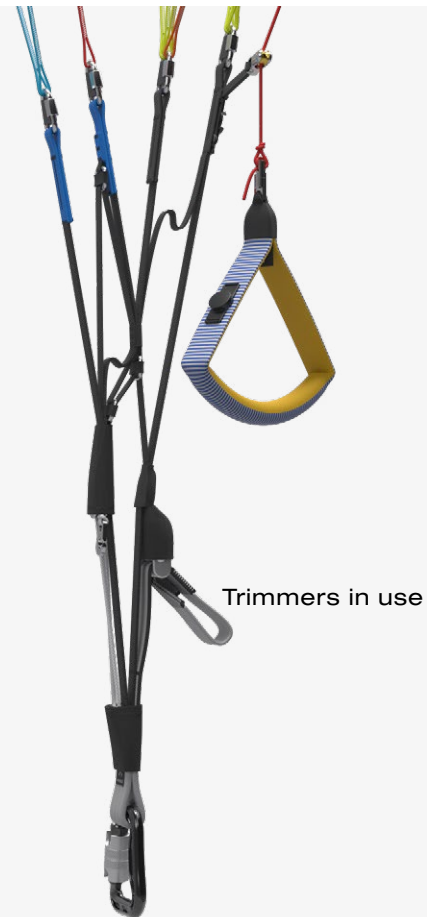
## 5 sizes with Seamless Weight Ranges



Should I choose the smaller or larger size? This question does not occur with the EPSILON 9. The new Seamless Weight Ranges provide a continuous transition of flying weight through the five wing sizes without overlap. Within these ideal all-up weight ranges the EPSILON 9 will provide an optimal balance of climb performance and flying speed for all typical flying conditions.

# Paramotor Certification

The EPSILON 9 is eminently suited to paramotor flying due to its exceptionally good takeoff behaviour, and high pitch and directional stability in flight. DGAC paramotor certification work for 24, 26, 28 and 30 sizes is currently underway. Paramotor risers with trims are available for the EPSILON 9 as an option. For free flying (no motor) the trimmer loops can simply be fixed in the main support carabiners.





# Materials

## Fabric

### Leading edge

Skytex 38, Universal 9017 E25

### Upper surface

Skytex 38 Universal 9017 E25

### Lower surface

Skytex Easyfly 9018 E65

### Supported ribs

Skytex 40 hard finish 9017 E29

### Unsupported ribs

Skytex 40 hard finish 9017 E29

## Lines: Liros/Edelrid

### Main lines

PPSLS 260 / 200 / 125: covered

### Suspension lines

A-8000U-190 / 130 / 090 / 070 / 050: uncovered

### Brake lines

A-8000U-090 / 070 / 050: uncovered

### Steering lines

A-7850-240: covered

A-8000U-190: uncovered



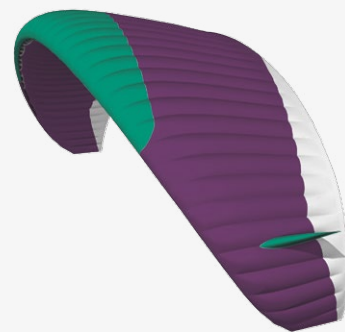
# Colours



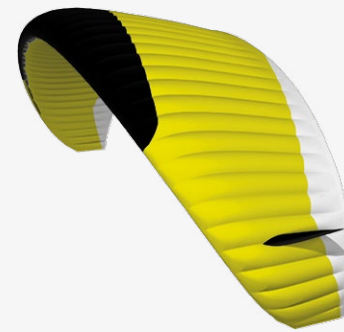
royal



spectra



aubergine



acid

# Technical details

<b>EPSILON 9</b>		<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>
Flat surface	m <sup>2</sup>	22.1	23.9	25.9	27.8	29.8
Projected surface	m <sup>2</sup>	18.5	20.0	21.7	23.3	25.0
Certified takeoff weight	kg	60–77	70–88	80–100	92–114	105–128
Ideal weight range	kg	65–75	75–85	85–97	97–110	110–125
Glider weight	kg	4.15	4.40	4.65	4.95	5.25
Span	m	10.73	11.15	11.61	12.03	12.45
Projected span	m	8.26	8.59	8.94	9.26	9.59
Aspect ratio		5.2	5.2	5.2	5.2	5.2
Projected aspect ratio		3.68	3.68	3.68	3.68	3.68
Max. chord	m	2.59	2.69	2.8	2.9	3.0
Number of cells		47	47	47	47	47
Number of risers		3+1	3+1	3+1	3+1	3+1
Certification		EN/LTF B	EN/LTF B	EN/LTF B	EN/LTF B	EN/LTF B





The Joy of Flying

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