



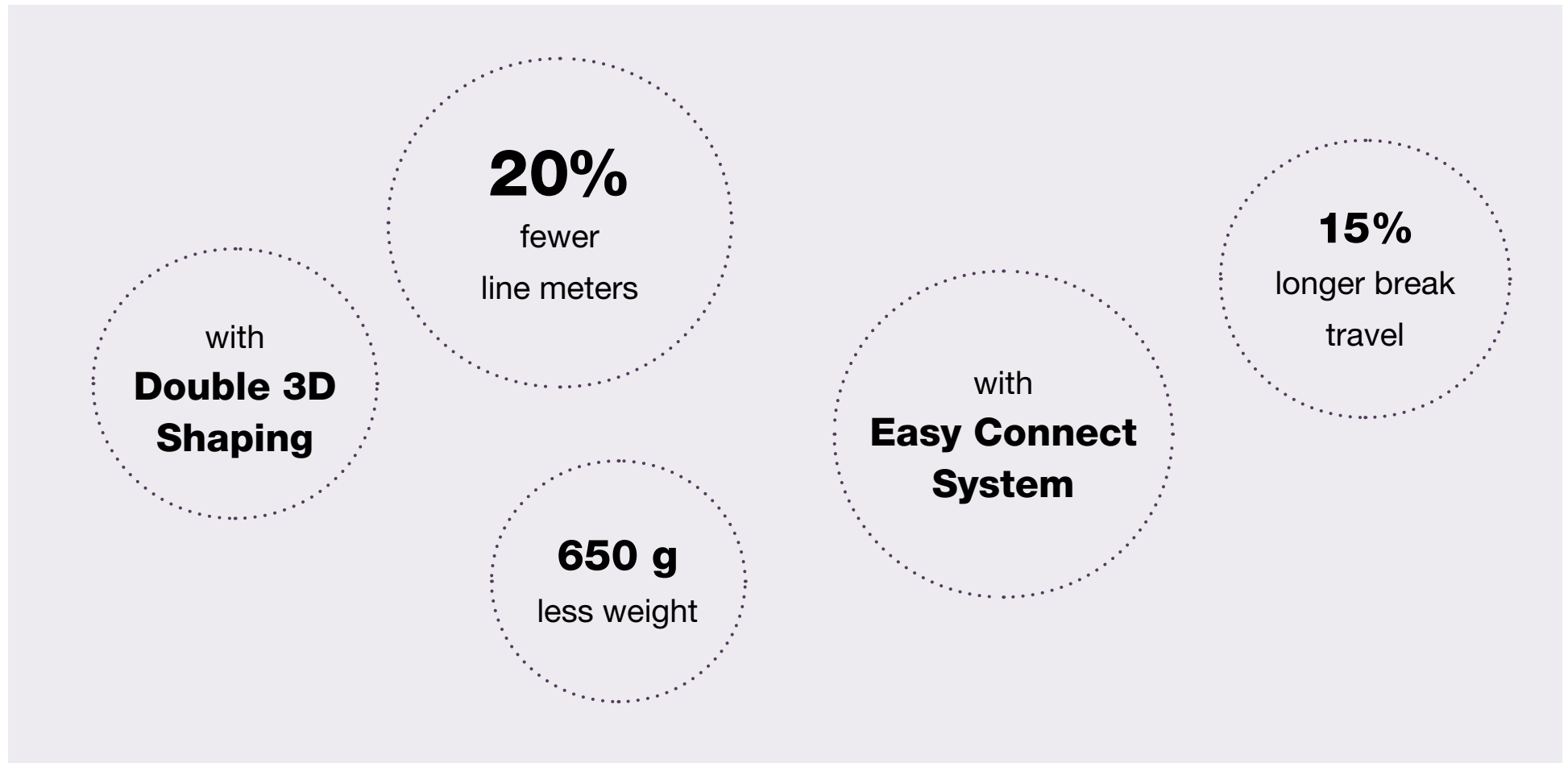
ADVANCE EPSILON⁸ Product presentation

EPSILON 8 - True Friendship



Perfectly balanced with unmistakable looks. The new EPSILON 8 conveys a distinctive feel-good factor and glows with an ideal mix of precision, performance and safety. Unique quality and an innovative inner life transform this ADVANCE classic into a robust lightweight. Enjoy the spellbinding experience of flying the EPSILON 8 - true friendship awaits.

EPSILON 8 compared with the EPSILON 7



Relax and enjoy the thermals

The EPSILON 8 demonstrates a very successful combination of pitch and turn behaviour. Steering demands are answered directly and precisely. The EPSILON 8's compact and stable canopy invites plenty of confidence from the beginning. Even in challenging conditions pilots feel calm and content, able to enjoy the thermals in a relaxed frame of mind.

Modern technology delivers great performance

Many performance-enhancing new technologies are featured in the EPSILON 8. It was designed as a three-liner but has only one gallery level. This skimps on line metres and reduces drag. Precisely computed double-3D-shaping provides a super-smooth surface in the critical nose area, and supports the correct shape of the real-life profile.

Long life thanks to a unique high quality light structure

Not just very light, but downright robust as well: the EPSILON 8 gets attention with its unique choice of materials. Upper and lower surfaces are made of the normal strong European Porcher cloth. Inside the wing the latest technology from the OMEGA XALPS comes into play. Thus the EPSILON 8 weighs almost as little as a light wing, and even so has a long lifespan.

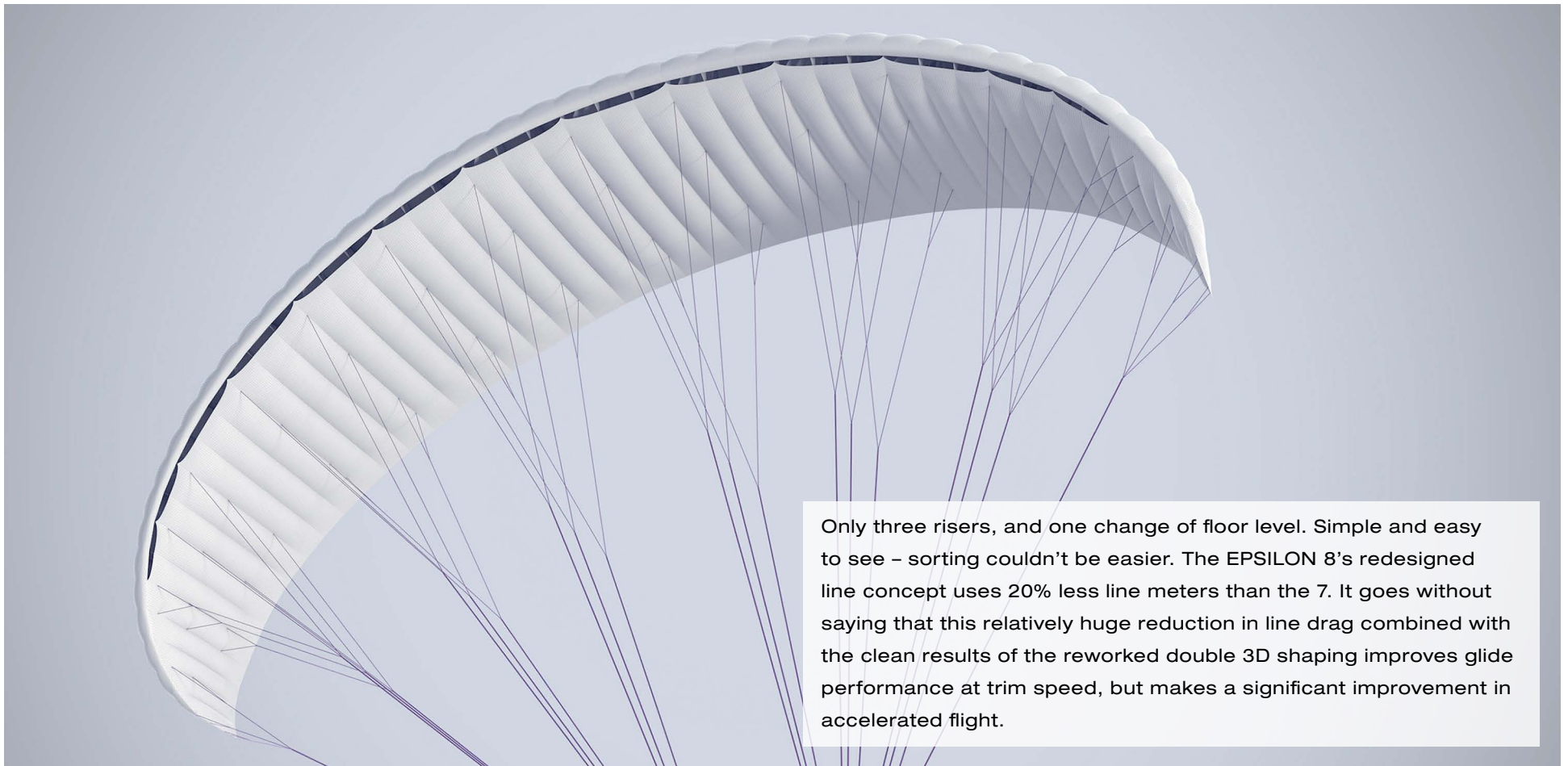
comfortabel

high performance

light & strong

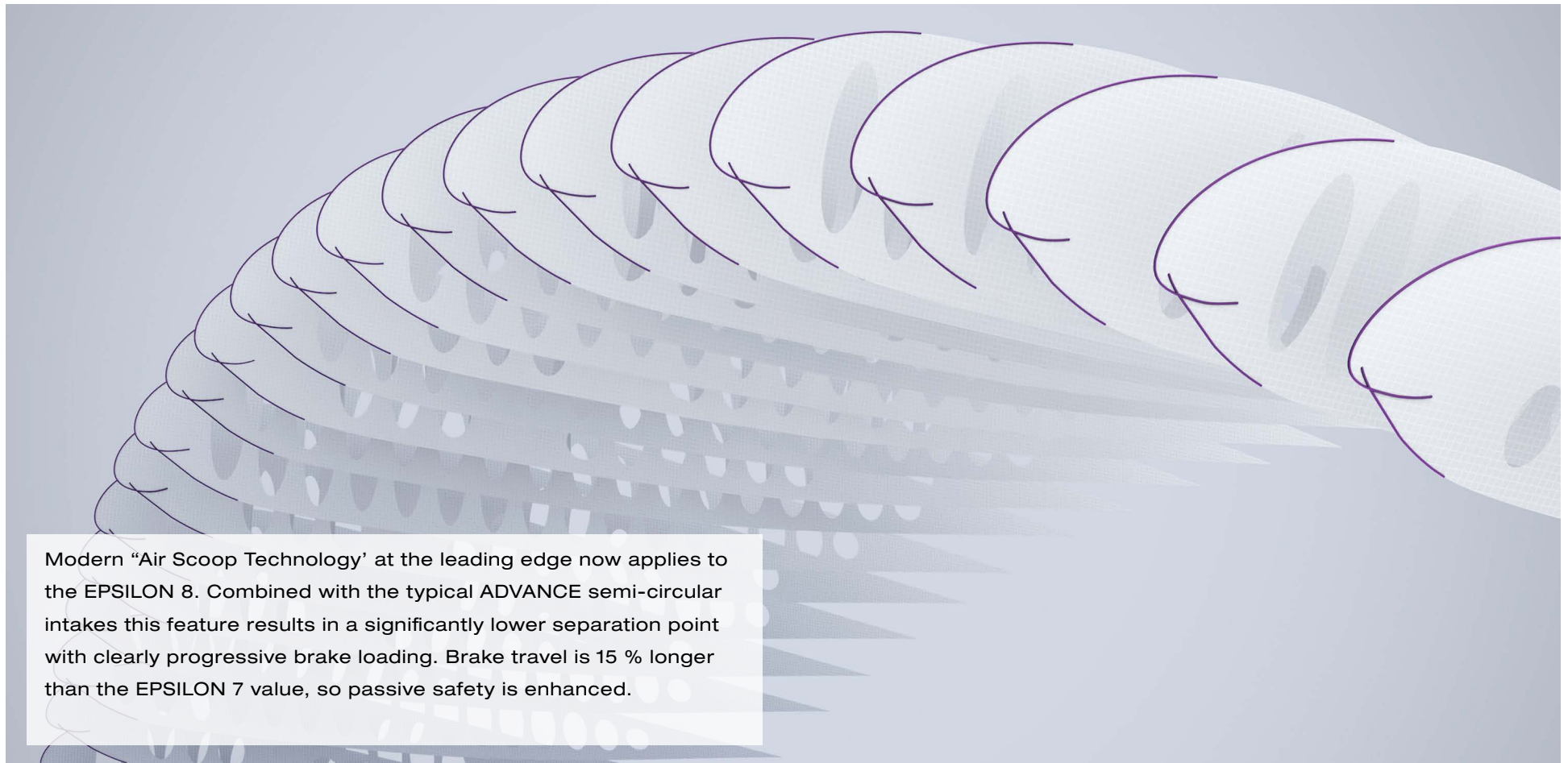


Perfect Line setup

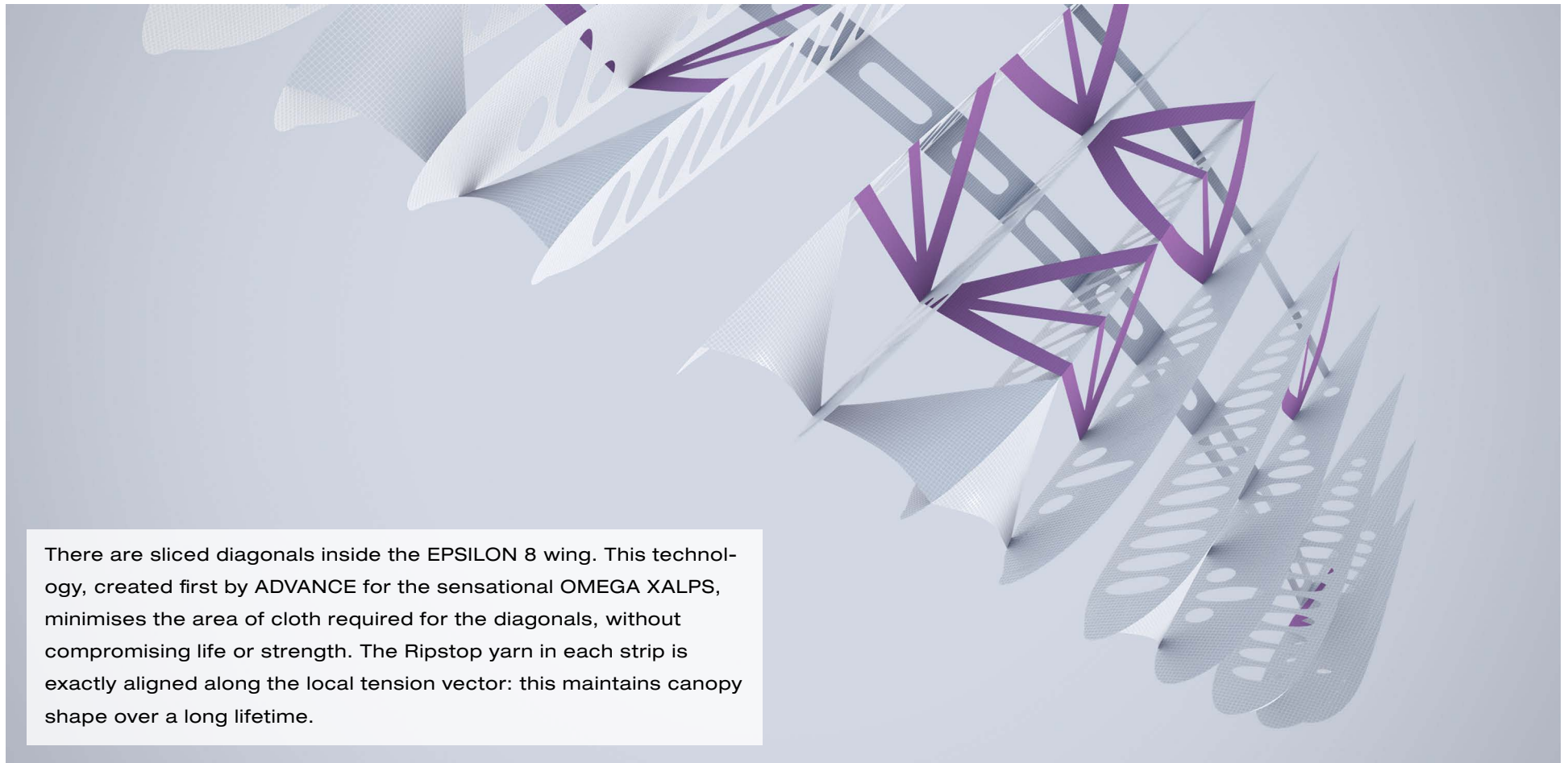


Only three risers, and one change of floor level. Simple and easy to see – sorting couldn't be easier. The EPSILON 8's redesigned line concept uses 20% less line meters than the 7. It goes without saying that this relatively huge reduction in line drag combined with the clean results of the reworked double 3D shaping improves glide performance at trim speed, but makes a significant improvement in accelerated flight.

Unconditionally safer with a deeper airflow breakaway point

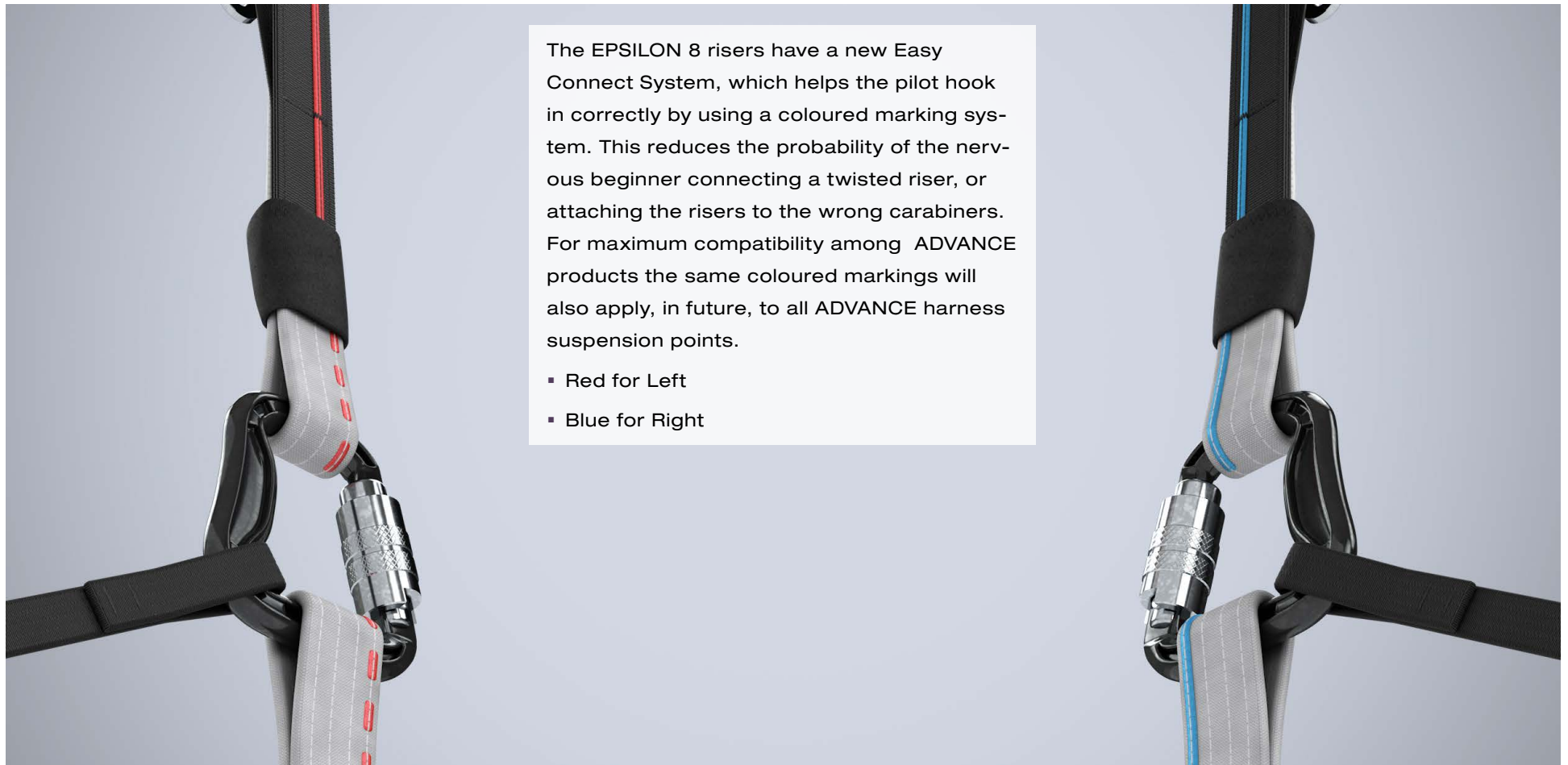


Sliced Diagonals: X-Alps research



There are sliced diagonals inside the EPSILON 8 wing. This technology, created first by ADVANCE for the sensational OMEGA XALPS, minimises the area of cloth required for the diagonals, without compromising life or strength. The Ripstop yarn in each strip is exactly aligned along the local tension vector: this maintains canopy shape over a long lifetime.

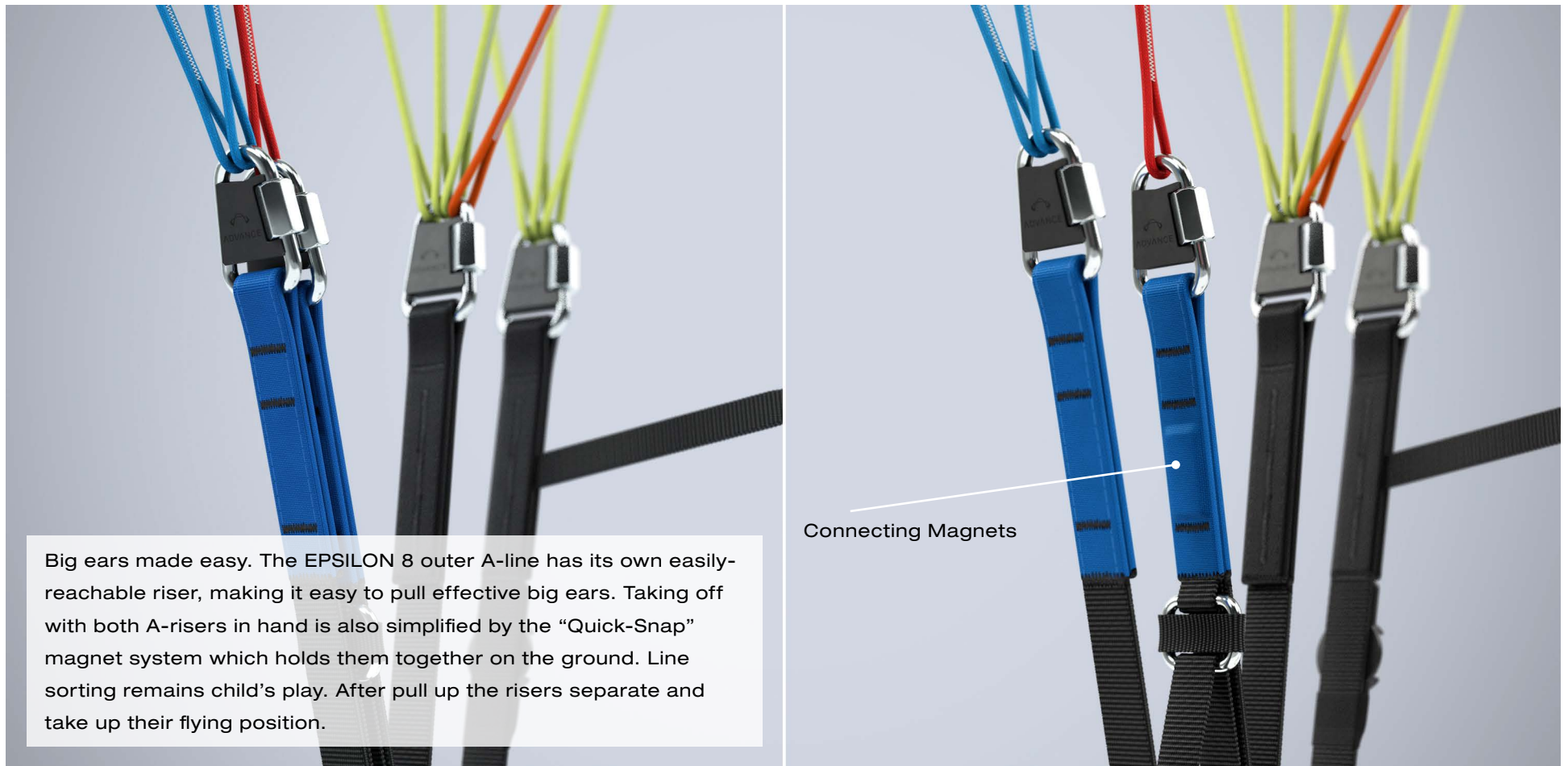
“Easy Connect System” for safer hook in



The EPSILON 8 risers have a new Easy Connect System, which helps the pilot hook in correctly by using a coloured marking system. This reduces the probability of the nervous beginner connecting a twisted riser, or attaching the risers to the wrong carabiners. For maximum compatibility among ADVANCE products the same coloured markings will also apply, in future, to all ADVANCE harness suspension points.

- Red for Left
- Blue for Right

Big Ear system with “Quick Snap”



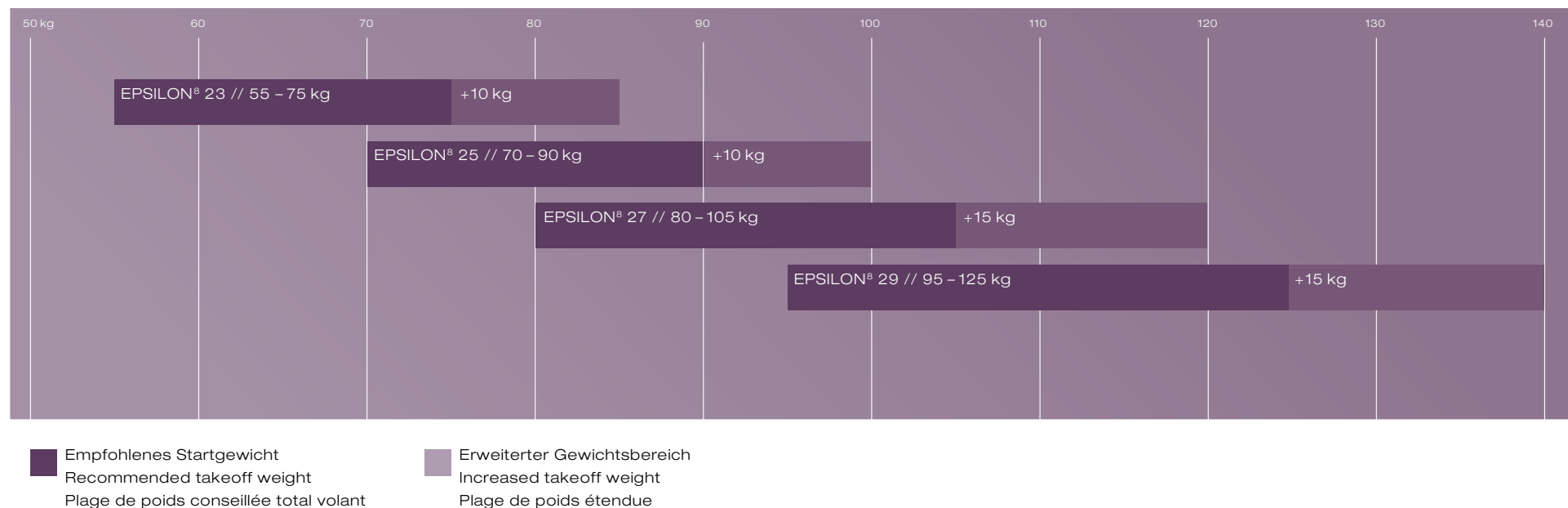
Improved risers in detail

The EPSILON 8 brake handles come with plastic covered magnets for secure stowage, and brake rings for silent and frictionless line guidance. As has become tradition for ADVANCE wings, brake handle size varies in accordance with wing size, and brake line swivel connections prevent brake line twisting.



Increased takeoff weight

Like the predecessor the EPSILON 8 has an extra 10 kg or 15 kg added at the top of its weight range. This widens the range of usefulness within the school environment. Within this more dynamic area the wing keeps it's LTF/EN B category, e.g. for budding acro enthusiasts; they can get a feel for the basic figures early on – within a safe and supervised arena.



Colours



aubergine



lime



orange



pacific

Paramotor certified in four sizes

Because of its exceptional takeoff qualities and marked damping in all axes the EPSILON 8 is well suited to paramotoring. DGAC Paramotor Approval is currently under consideration for EPSILON 8. Optional paramotor risers with trimmers are available, these can be secured in the suspension carabiners for unpowered free flight.

Materials

Leading edge

Skytex 38, 9017 E25

Upper surface

Skytex 38, 9017 E25

Lower surface

Skytex 40, 9018 E65

Supported ribs

Skytex 40, 9017 E29

Unsupported ribs

Skytex 40, 9017 E29

Suspension lines

Edelrid Technora (Aramid) 7343 - 340/280/230/90, sheathed, 2.1 mm / 1.8 mm / 1.7 mm / 1.5 mm (main lines)

Edelrid Technora (Aramid), 8000U - 090, sheathed, 0.8 mm (2nd level)

Edelrid Technora (Aramid), 8000U, 190/130/090/050, sheathed, 1.3 mm / 1.0 mm / 0.8mm / 0.5 mm (1st level)

Liros Dynema, DSL 70, sheathed, 0.95 (brake lines)

Liros Dynema, DFL 115, sheathed, 1.4 mm (steering line up)

Edelrid Dyneema, 7850 - 240, sheathed 1,9 mm (steering line low)

Risers:

Polyester / Technora, 13 mm

Riser quicklinks:

Maillon Rapide, Inox, 3.5 mm – 750 kg



Technical details

EPSILON 8		23	25	27	29
Area flat	m ²	22.50	24.95	27.05	29.05
Area projected	m ²	18.85	20.95	22.70	24.35
Recommended Takeoff weight ¹	kg	55-75	70-90	80-105	95-125
Increased takeoff weight ¹	kg	75-85	90-100	105-120	125-140
Glider weight	kg	4.15	4.45	4.95	5.15
Aspect ratio flat		5.15	5.15	5.15	5.15
Aspect ratio projected		3.6	3.6	3.6	3.6
Span flat	m	10.75	11.35	11.80	12.25
Span projected	m	8.25	8.70	9.05	9.35
Certification		EN / LTF B	EN / LTF B	EN / LTF B	EN / LTF B
Number of cells		45	45	45	45
Number of risers		3+1	3+1	3+1	3+1
Maximum chord	m	2.60	2.75	2.85	2.95
Riser lengths	cm	48.0	50.0	52.5	54.5
Max. accelerate travel	cm	14.5	15.4	16.0	16.5
Max. line lengths incl. risers	mm	670	706	736	763
Trims		-	-	-	-
Other adjustable / removable / variable devices		-	-	-	-

¹ Pilot, wing, equipment



