ADVANCE X|

Product presentation

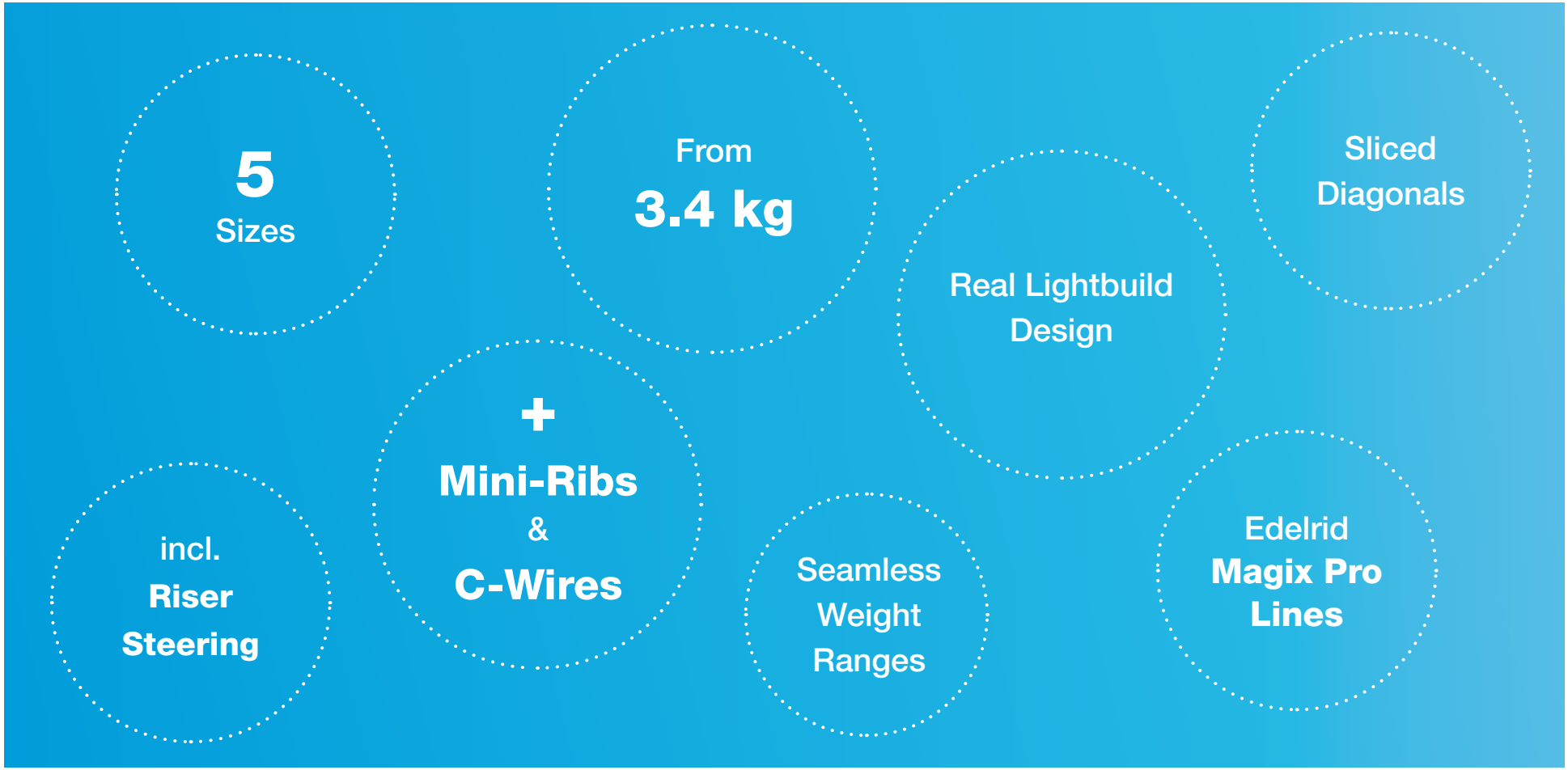
XI – A light Star is born

Many have been waiting for a long time, now here it is! The XI is the model that has been missing from the ADVANCE selection palette: a light high performance intermediate weighing from 3.4 kg, combining performance from the upper end of the EN-/LTF-B class with weight from its lowest spectrum.

The XI is an individual design. It has all the state-of-the-art technologies such as C-Wires, Miniribs, Air Scoop or Double 3D Diamond Shaping. This fully operational paraglider's flying comfort and performance, light weight and small packed volume lend it to a huge range of uses.

But see for yourself. All the important information about our new high performance intermediate in lightweight build is assembled for you in this product presentation.

Key Points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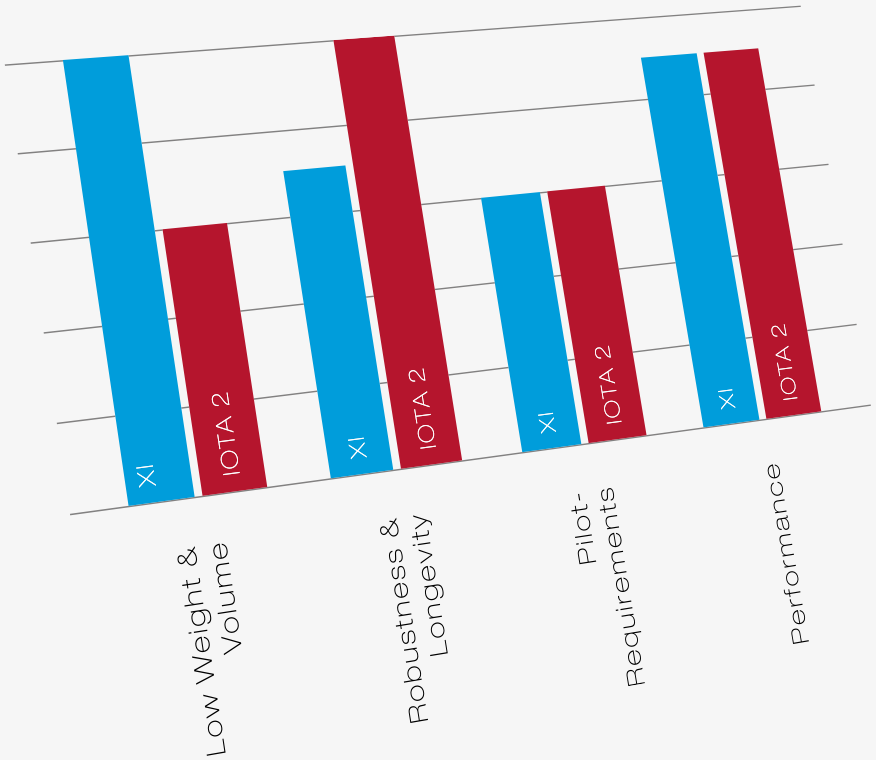
Sizes
From
3.4 kg
Sliced
Diagonals
Real Lightbuild
Design
+
Mini-Ribs
&
C-Wires
incl.
Riser
Steering
Seamless
Weight
Ranges
Edelrid
Magix Pro
Lines

Range of Use

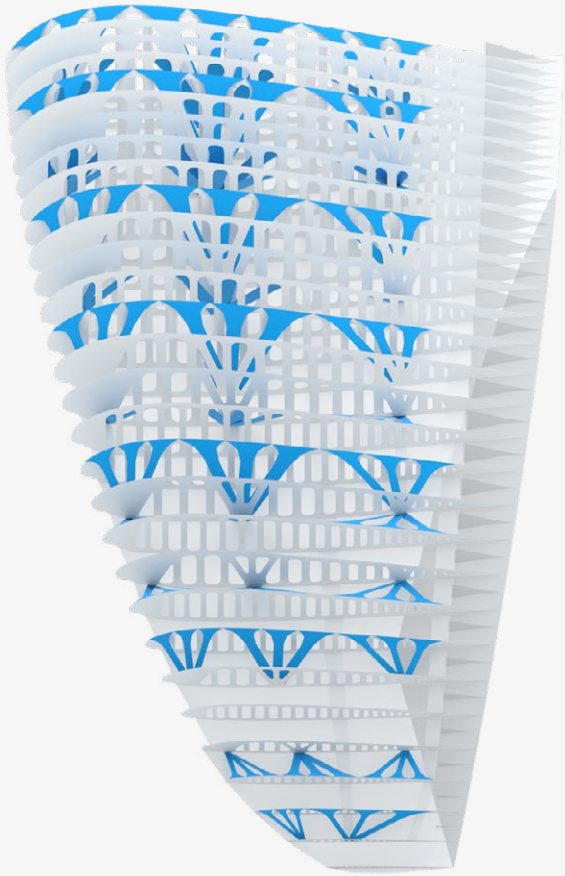
XI compared to the IOTA 2



Real Lightbuild Design

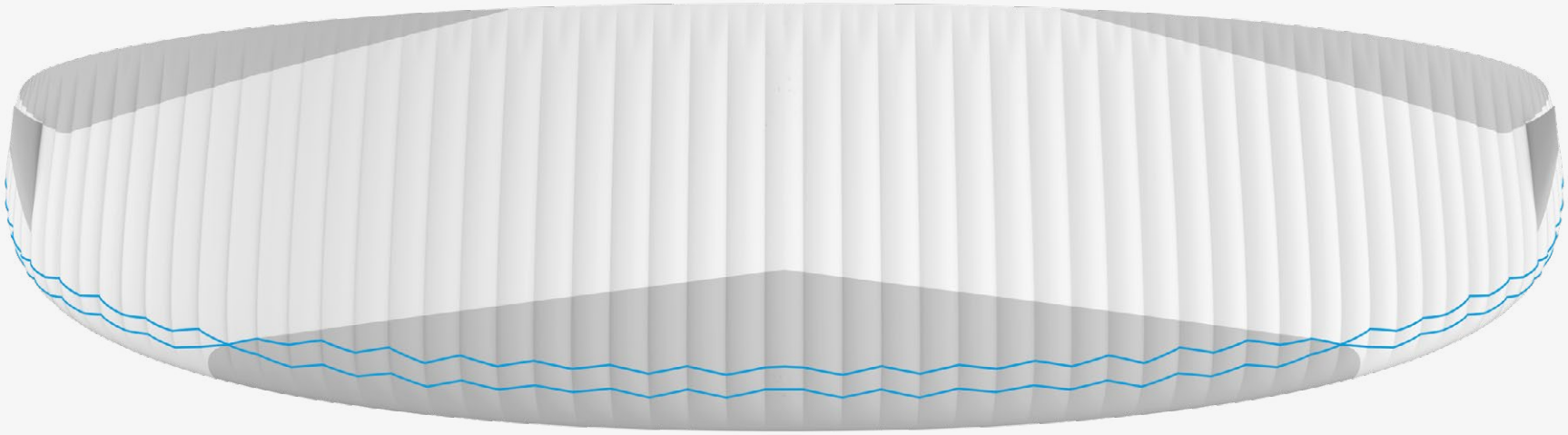
The XI is a true lightweight design. Its different canopy stressing relationships have been met by the use of a mix of 27 and 32 gm Porcher Skytex cloth components. To save more weight, the number of interior parts like cells and sliced diagonals have been reduced.

Sliced Diagonal technology was developed by ADVANCE and achieves perfect tension distribution within the canopy. Extensive processing methods and load-orientated weave alignment of the cloth parts make a strong and shape-stable wing; and this complex structure of many superimposed diagonal strips is much lighter than the once-popular triangle tradition.

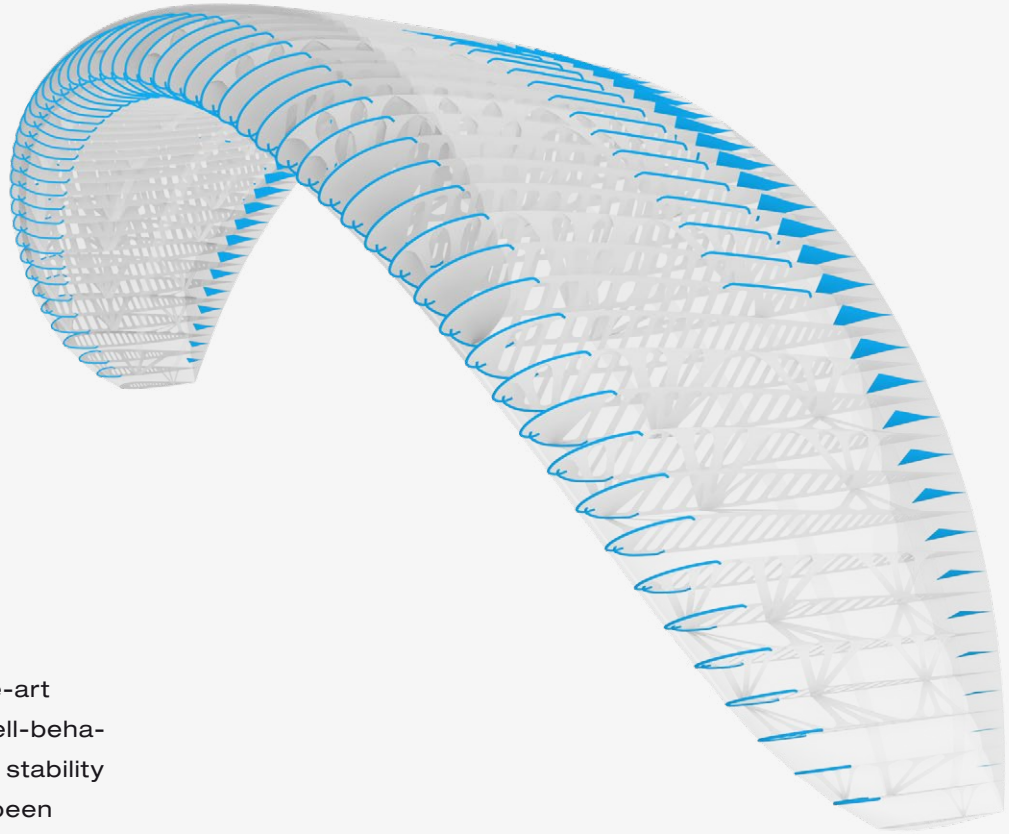


Double 3D-Diamond-Shaping

In the XI we've used Double 3D Diamond Shaping. By including a diagonal term (= "Diamond") in the 3D Shaping process, seam-bunching (ruching) is not only countered by horizontal aerodynamic forces, but is also minimised by vertical loads across the profiles. The result is an even smoother wing surface in the aerodynamically sensitive leading edge region.



State-of-the-Art Technology



The XI has the latest, performance-enhancing, state-of-the-art technologies. These include the Advanced Air Scoop for well-behaved stall characteristics, C-Wires for maximal profile shape stability and Miniribs for a smooth trailing edge. The C-Wires have been deliberately kept short for a smaller packed shape.

Successful balance of Weight & Comfort

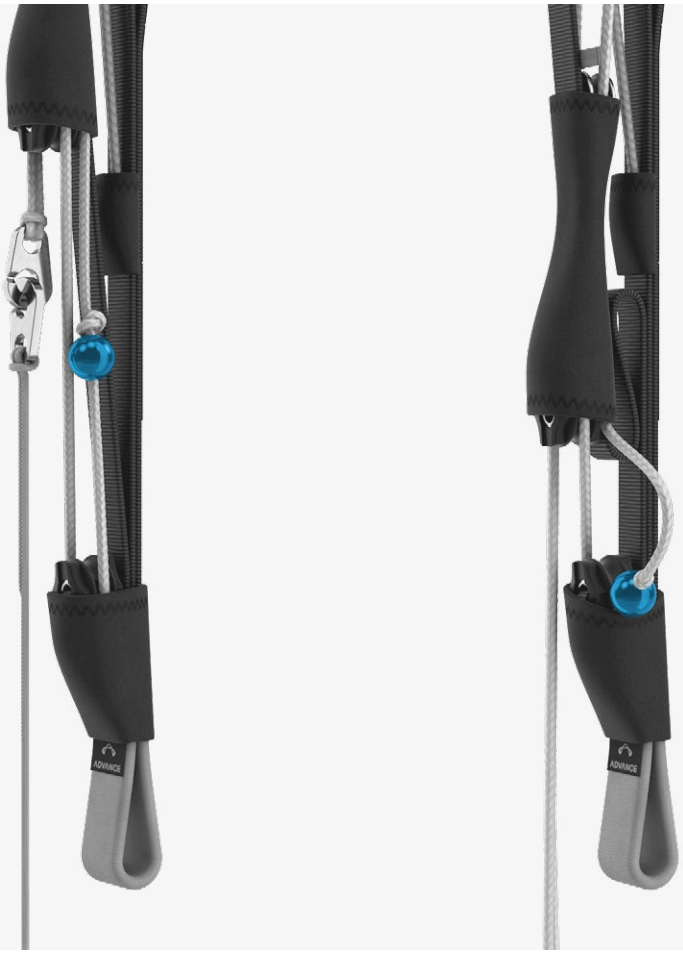
The XI risers are a careful compromise between weight and handling comfort. Weight has been saved, but only to the extent that ease of use has not been essentially affected. The risers have light brake handles with popper fasteners. But swivels (to release brake line twisting) have not been discarded. The separate outside A line, which has its own accelerate routeing, facilitates big ears. Neoprene-covered softlinks replace metal quicklinks. There are no C-Handles as such, but the XI rear risers provide a comfortable and effective Pitch-Control-System; and there is EASY CONNECT for simple riser/ harness clip-in.

Pitch-Control-System

The XI has the modern Pitch-Control-System that you normally expect to find on higher classification paragliders. Control by C riser pulls the B level down by a certain proportion as well as the C. Steering by this method does not bend the canopy profile (as with brake) and therefore glide performance is retained. This especially applies when accelerated – and here C line load is also reduced: this feature makes for comfortable, lighter and more natural-feeling C riser control.

Easy-going speed system

The two ratio speed system allows IOTA 2 pilots to adjust speed system travel and load to suit their own requirements. The changeo-ver point of the easy-to-push 3:1 gear ratio to a more direct 2:1 result can be ideally set for personal leg length and extension angle. In combination with high quality Ronstan ball bearing and Harken pulleys long sessions of accelerated transits are possible without inconvenient effort.

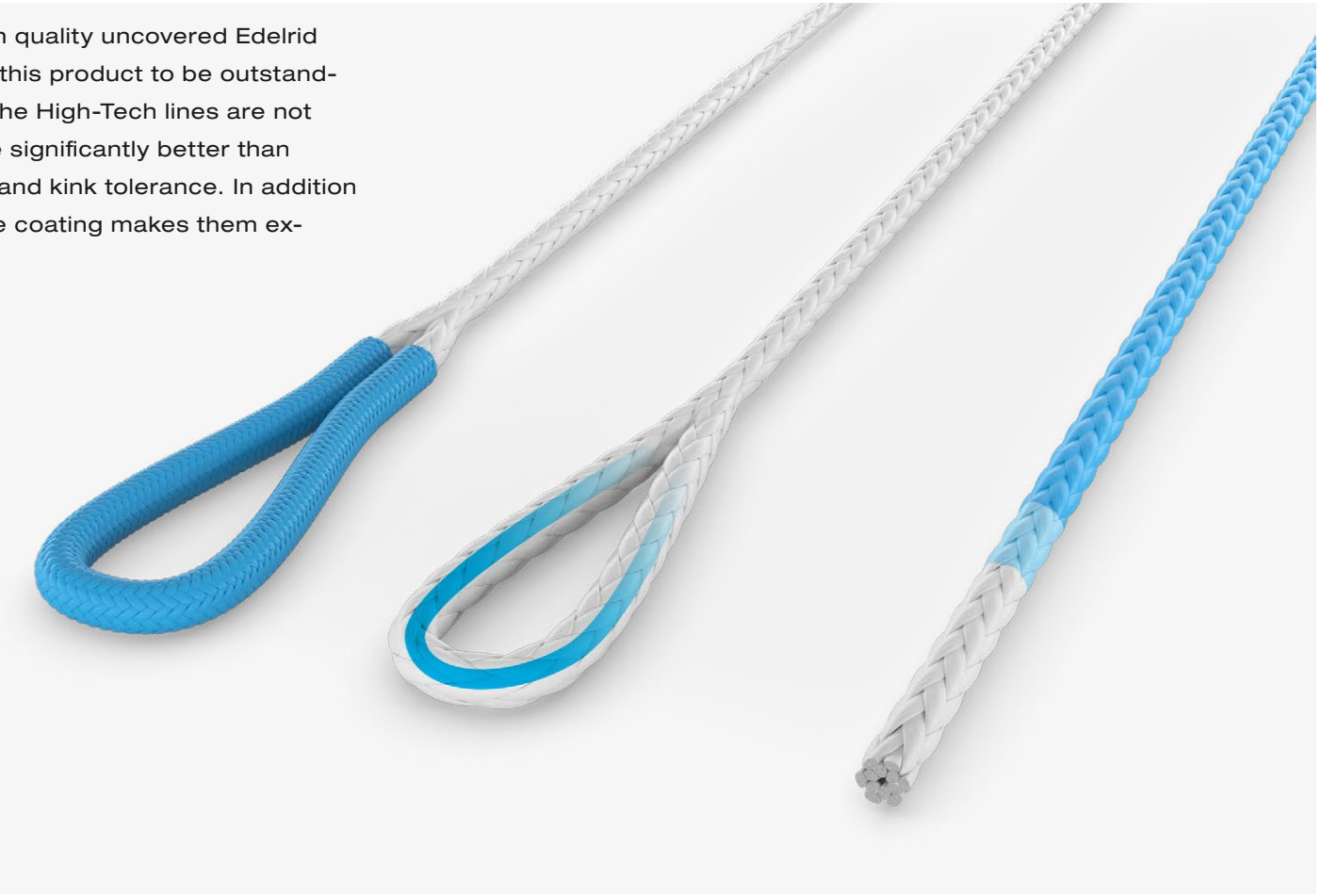


Speed Performance Indicator (SPI)

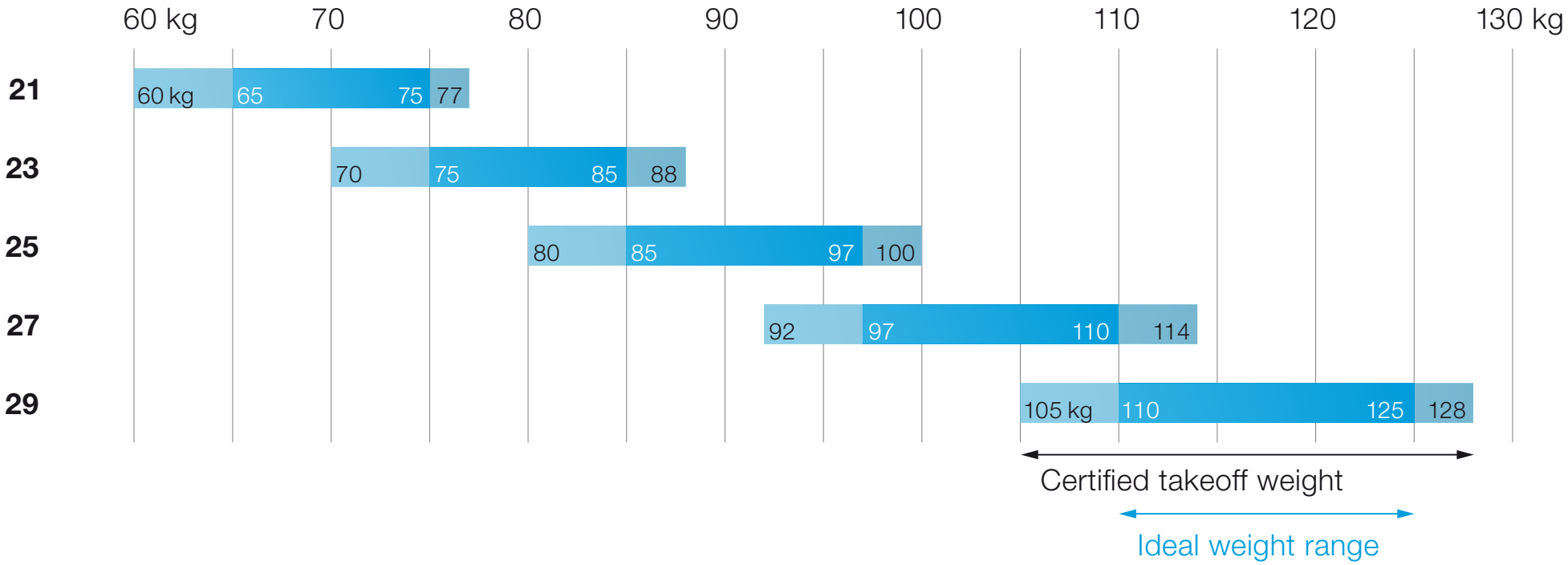
During flight the SPI provides a broad brush indication of the speed system position relative to the wing's polar curve. Above all it makes it easier to choose the best accelerated speed-to-fly relative to headwind and sinking air. It also helps the pilot to set up his harness speed lines with the XI.

Edelrid Magix-Pro Lines

Like its predecessor the XI also has high quality uncovered Edelrid Magix-Pro lines. Our experience shows this product to be outstanding in terms of handling and longevity. The High-Tech lines are not only very resistant to stretching, but are significantly better than conventional covered lines for strength and kink tolerance. In addition they are very easy care and their double coating makes them extremely resistant to external abrasion.



5 sizes with Seamless Weight Ranges



Should I choose the smaller or larger size? This question does not occur with the XI. 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 XI will provide an optimal balance of climb performance and flying speed for all typical flying conditions.

Materials

Fabric

Leading edge

Skytex 32, Universal 70032 E3W

Upper surface

Skytex 27 Classic 2 70000 E3H

Lower surface

Skytex 27 Classic 2 70000 E3H, Skytex 32 Universal 70032 E3W

Supported ribs

Skytex 32 hard finish 70032 E4D

Unsupported ribs

Skytex 27 hard finish 70000 E91

Lines: Edelrid / Liros

Main lines

A-8000U-230 / 190 / 130 / 090: uncovered

Suspension lines

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

Steering lines

A-7850-240: covered

A-8000U-190: uncovered

Brake lines

A-8000U-070 / 050: uncovered

Colours

white

acid

Technical details

XI		21	23	25	27	29
Flat surface	m^2	21.8	23.7	25.7	27.7	29.7
Projected surface	m^2	18.8	20.4	22.1	23.9	25.6
Certified takeoff weight	kg	60–77	70–88	80–100	92–114	105–128
Ideal weight range		65–75	75–85	85–97	97–110	110–125
Glider weight	kg	3.40	3.60	3.80	4.05	4.30
Aspect ratio		5.6	5.6	5.6	5.6	5.6
Number of cells		57	57	57	57	57
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

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