



# ADVANCEBIBETA<sup>6</sup>

Product presentation

# BIBETA 6 – More fun at work

Flying ought to be fun. For the professional tandem pilot, making maybe ten flights a day where efficiency, economy and passenger safety share priority, this can often be hard work. We took account of these strenuous demands when creating the BIBETA 6, and have packed the best features of current tandems into this one product, without compromise, so as to make a working wing that is also fun. The following pages describe how we did it.



# Development process

We engaged a number of current commercial tandem pilots to work closely with us in the design and development of a BIBETA, for the first time. Together with several professional tandem businesses from the tandem Mecca of Interlaken, we identified some present day tandem models as setting the benchmark for each of takeoff, handling and landing characteristics. In a long test programme the BIBETA 6 prototypes were then extensively tried out in commercial use, and continually refined by our development team until each and every desired criterion had been exceeded. At the end the professionals had only one question: when can we get the serial version?

BIBETA 6: more fun at work.



“ **The BIBETA 6 inflates very well, comes up well, doesn't overshoot and, above all, lifts off early.**

Dominik Wicki, Interlaken  
Extreme sportsman  
& professional tandem pilot  
600 tandem flights/year  
8.000 total



“ **Fun at work is important. With the BIBETA 6 I have it!**

Stefan Wyss, Interlaken  
World Cup Superfinal winner 2015  
& professional tandem pilot  
500 tandem flights/year  
5.000 total

# The result

The BIBETA 6 is a completely new design and now comes in two sizes - 38 (100 to 180 kg) and 41 (120 to 225 kg). Line sorting is a breeze. A brief shake has the few lines from the three riser levels separating and sorting themselves out quickly. At takeoff the canopy rises smoothly without overshooting, and passenger and pilot are quickly airborne. In flight the BIBETA 6 responds directly and precisely to the smallest steering input. Comfortable brake loading and perfect flare behaviour make landing a reassuring delight. Reinforced diagonals, crossed rods in the intakes, oversized lines and reinforced support points all contribute to this professional tandem's especially long life. Considering its robust build, the BIBETA 6 packs up impressively small, and the light weight is sensational - 6.95 kg for the 41.



“ All in all it's my opinion that the design of the **BIBETA 6** represents a new generation of tandems for both hobby and commercial use.

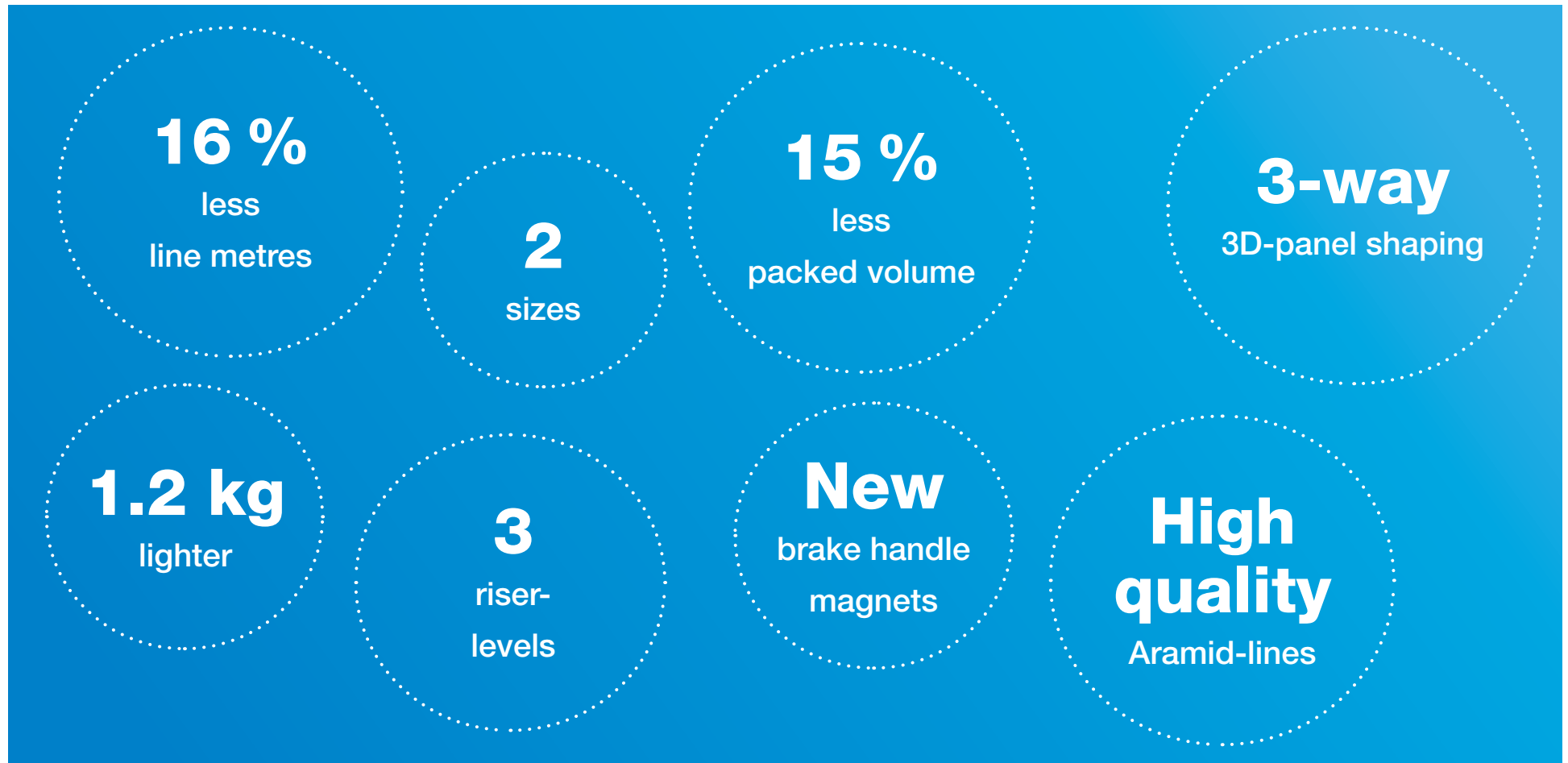
Dino Scheidegger, Interlaken  
Cross country crack  
& professional tandem pilot  
400 tandem flights/year  
6.000-7.000 total



“ The **BIBETA 6** is impressive because of its precise and comfortably-loaded handling - even in turbulent conditions in turbulence - and definitely makes light work of centering a thermal.

Marcel Schmid, Luzern  
Tandem cross country  
champion & professional  
tandem pilot  
300 tandem flights/year  
4.000 total

# BIBETA 6 compared to BIBETA 5





“As well as at light weight the BIBETA 6 is also very manoeuvrable at the top of its weight range, and, with careful braking, can be circled very flat just as well in a thermal.

Dino Scheidegger, Interlaken  
Streckenflugcrack  
& professioneller Tandempilot  
400 Tandemflüge/Jahr  
6.000-7.000 total

# Reduced line set up

Only 3 risers and 16% less line: the BIBETA 6 scores when it comes to takeoff preparation due to a completely revised line plan. Substantial line simplification and clearly arranged risers make sorting simple and fast. On takeoff the canopy rises easily but doesn't overshoot. Passenger and pilot are quickly in the air. Naturally, the reduced line set up also has a positive effect on BIBETA 6 performance and weight.



# 100 percent High Quality Aramid Lines

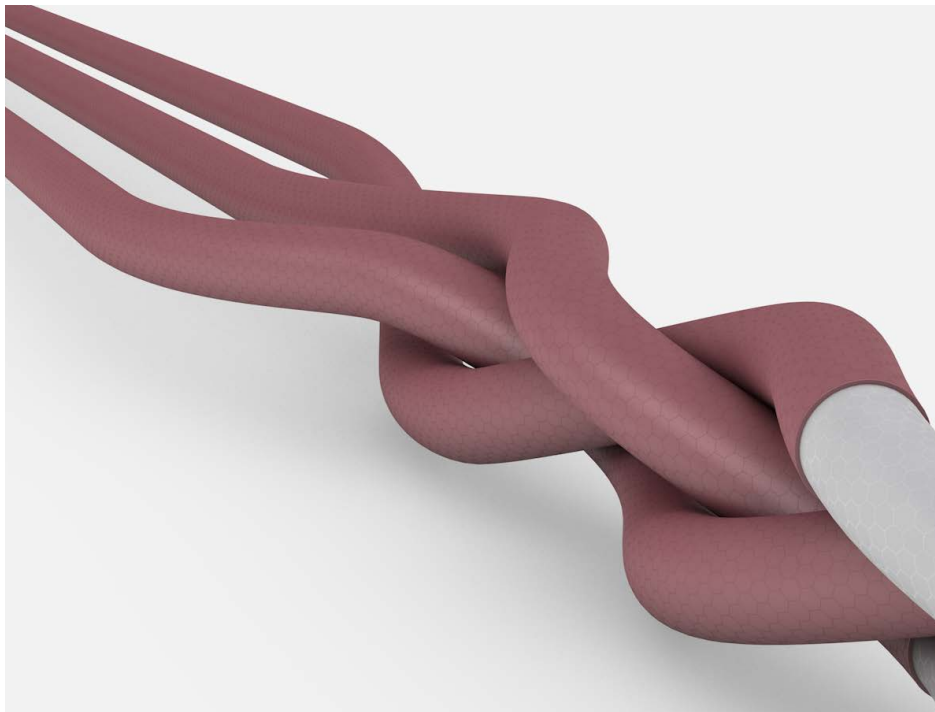
Yes, you read it right! The BIBETA 6 has 100 percent low stretch, uncovered Aramid lines from German high quality maker Edelrid. There are no Dyneema lines fitted. And no! We didn't do this to improve performance because the old lines were too thick. In fact the new lines are no thinner than those of the BIBETA 5.

We took this step after many years experience with Aramid lines. Thousands of line snapping checks have shown that the Edelrid High Quality Aramid lines age substantially better than conventional covered lines and thus have a longer life. There is no cover to trap invisible dust and grit between cover and core, abrading and weakening the core material, and the line. Of course all uncovered lines are not equal. Important manufacturing details contribute significantly to this impressive longevity. We present them on the following pages.



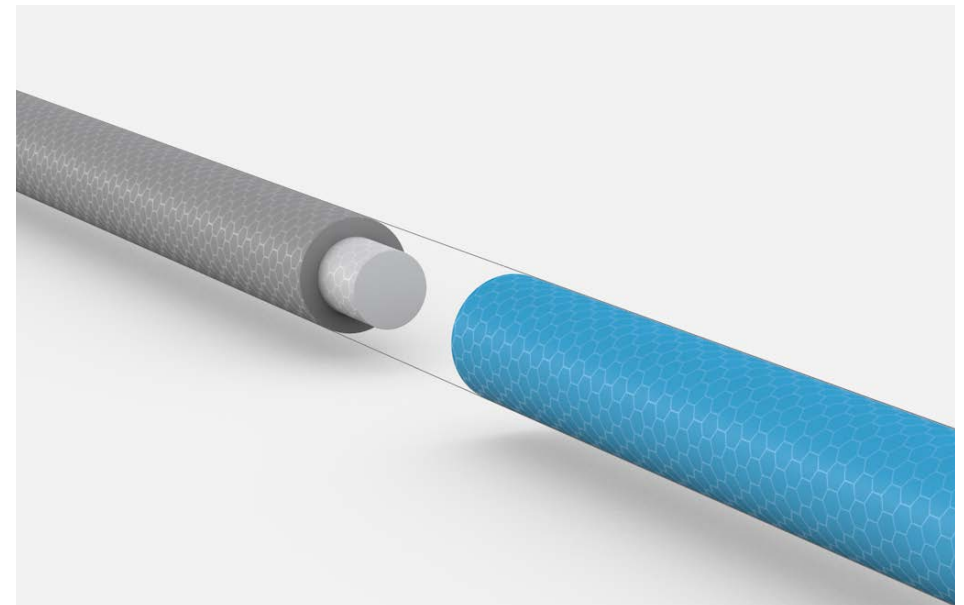


# Why is the BIBETA 6 so robust



## Comprehensive yarn coating

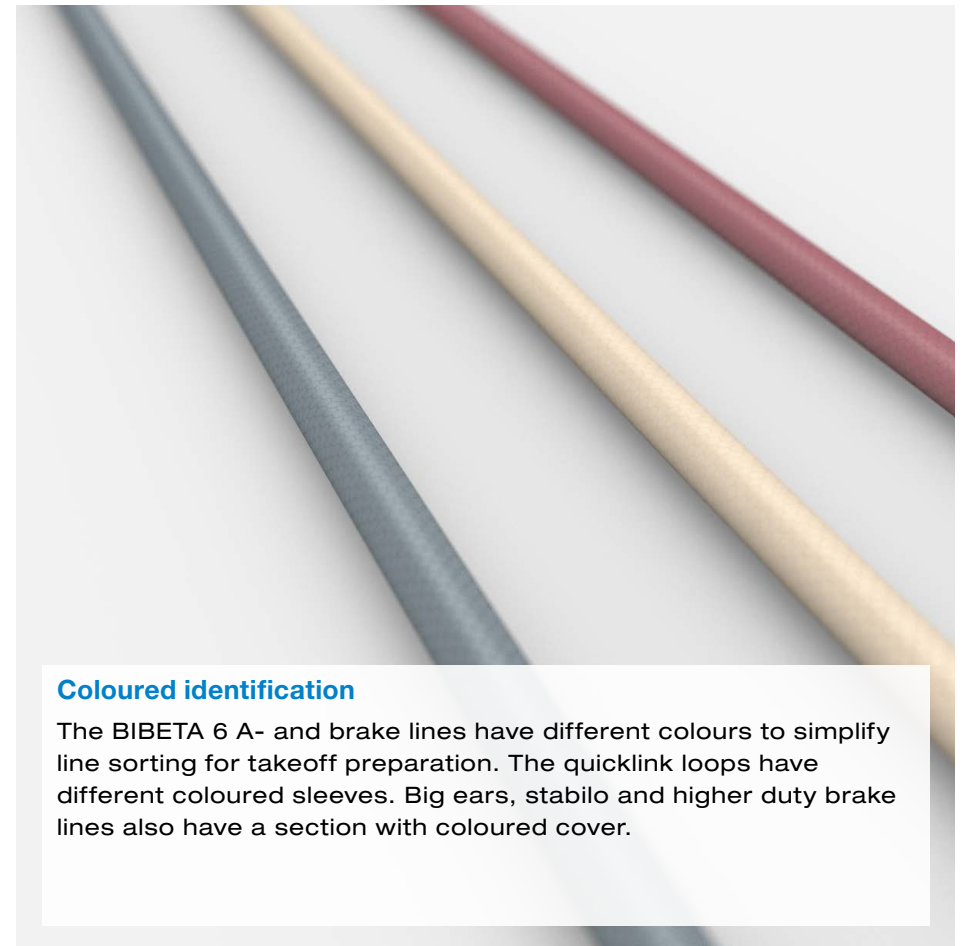
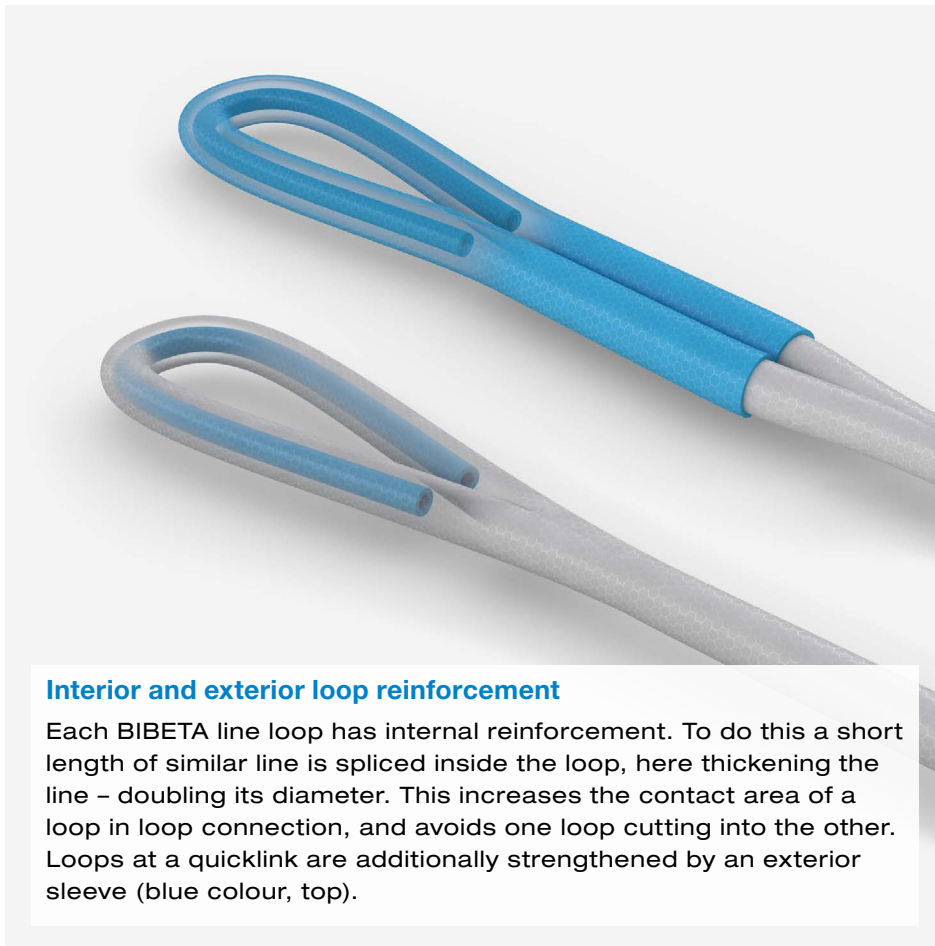
The individual strands of the Edelrid Aramid lines have been specially coated before the weaving process. This means that every single fibre is individually protected and the line, as a whole, remains more resistant to abrasion, water and UV radiation.



## Same diameter, covered or uncovered

The Edelrid Aramid Lines on the BIBETA 6 are high gauge examples – with the same overall diameter as the BIBETA 5's, which included the cover. The working part of the BIBETA 6 uncovered line is therefore thicker and tougher.

# How we prepare them in practice



“ The exceptional performance of this wing allows me to dream of new XC adventures with my passenger.

Marcel Schmid, Luzern  
Tandem cross country champion  
& professional tandem pilot  
300 tandems/year  
4.000 total



## 3 Riser levels

### Easy to see, easy to handle

The BIBETA 6 has only 3 riser levels. The risers are clearly recognisable, and preparation for take off is easier: a simple shaking and the lines separate themselves – sorting is almost done. Three risers and fewer lines also contribute to BIBETA 6 weight reduction.

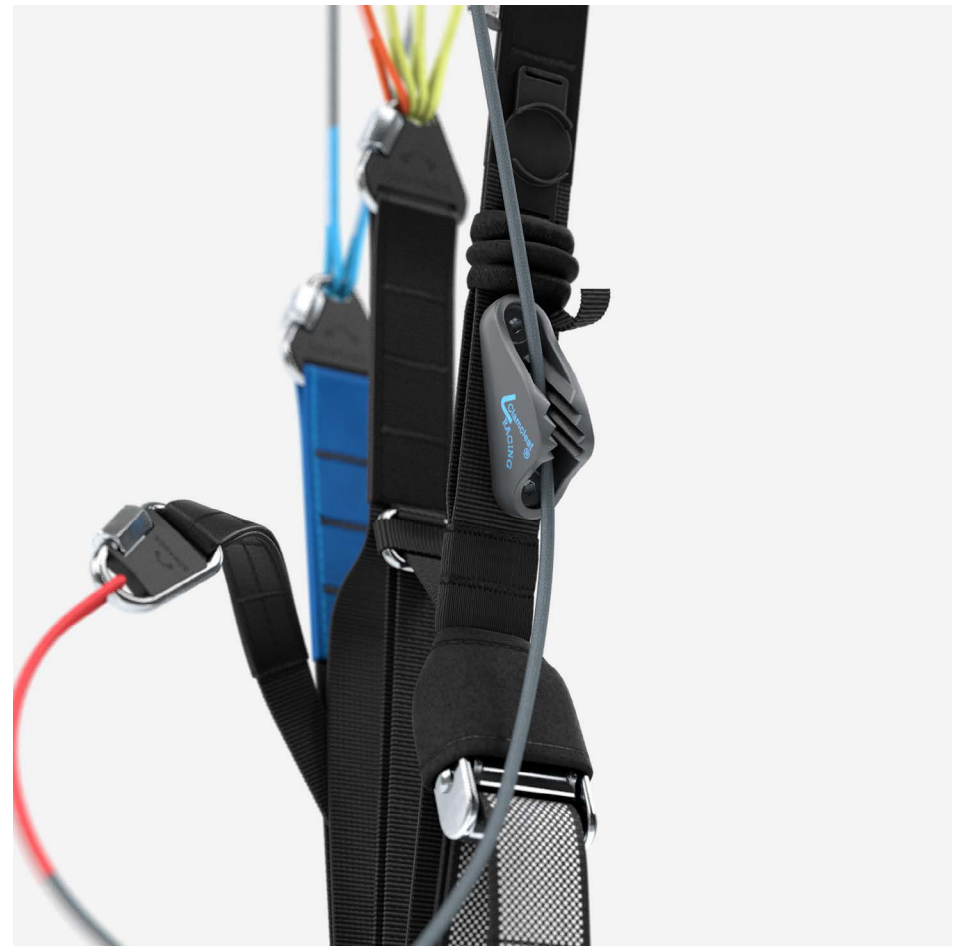


# Big ears with Vary-Grip-System



## Small detail with large effect

The BIBETA 6 has split A-risers for easy big ears. The big ear outer A-line can be held in a jam cleat on the rear riser. Big ears can be maintained for as long as you like without pilot input, saving the pilot's biceps. The wing can also be steered normally by the brakes, with big ears applied; another bonus – or your hands can be free for more photographing.



# New magnets on the brake handles

## Practical help for everyday tandem work

These make you a better photographer: the new plastic mouldings for the magnets hold the brakes in the right place on the riser if you clip them up in flight; perhaps for filming or photographing. They remain ready for the professional to grab immediately – if need be.





# Colours & Delivery



White



Red

## Included

Inner bag

## Optional

Comfortpack 2: 130 ltrs. or 145 ltrs.

4 types of tandem spreaders (hard, soft, soft trim, soft trim/quick out)



# Technical Data

<b>BIBETA 6</b>		<b>38</b>	<b>41</b>
<b>Area flat</b>	m <sup>2</sup>	38.1	40.75
<b>Area projected</b>	m <sup>2</sup>	32.3	34.5
<b>Recommended weight range</b>	kg	100–180	120–225
<b>Glider weight</b>	kg	6.70	6.95
<b>Aspect ratio flat</b>		5.45	5.45
<b>Number of cells</b>		53	53
<b>Number of risers</b>		3 + 1	3 + 1
<b>Certification</b>		EN/LTF B	EN/LTF B
<b>Max. line lengths incl. risers</b>	cm	902	932
<b>Maximum chord</b>	m	3.25	3.35
<b>Trimmer range</b>	cm	10	10
<b>Other adjustable/removable devices</b>		Vary-Grip	Vary-Grip

# Materials

## Fabric

Upper surface

Skytex 38, 9017 E25

Lower surface

Domenico Docdo-20DMF

## Lines: Edelrid/Liros

Main lines

A800U-360/230: unsheathed 1.7 mm/1.4 mm

6843-240: sheathed 2.1 mm

Gallery lines

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

1,1 mm/0.9 mm/0.8 mm/0.7 mm/0.5 mm

Brake lines

A-8000U-190/130/090: unsheathed: 1.1 mm/0.9 mm/0.8 mm

A-7850-240 sheathed: 1.9 mm

