

# Gradient Avax XC5



## Introduction

We are happy to announce that all three sizes of XC5 (24, 26, 28) has passed certification process. Avax XC 5 is high performance EN D glider and should be flown by very experienced pilots. XC5 will be flown by [Tom De Dorlodot](#) and [Michael Gebert](#) in [Red Bull Xalps](#) which starts on July 5. We succeed to create a very light wing, one of the lightest in EN-D class at the moment. XC5 is completely new concept of the wing and we are not just recycling some old ideas.

During the last stage of development glider was tested by Tom De Dorlodot in longest possible hike&fly challenge in Europe – Adriatic circle.

<http://www.redbull.com/en/adventure/events/1331660950752/adriatic-circle-longest-hike-and-fly/the-challenge>

## Tom's feedback

*"Yesterday I flew the glider in really bad conditions. Strong Foehn, it was turbulent. The glider reacted really well. It behaves perfectly! And it's very fast. I think I found the glider I have been dreaming about. Fast, real good performance and safe/clean. It's predictable and the turn is very smooth. Congratulation to you and your team for developing such a good glider. "*



## First short feedback from Michael Gebert.

*„Perfect! Thanks for the new Avax XC5. I had now some flights as well in strong conditions in Portugal and i am very happy. Easy for take off, nice for thermalling and flying!“*



## Characteristics

XC5 is a very comfort and safe wing to fly for an EN-D. It has a very good glide, precise handling at all speeds and has a really good climb even in light thermals. All these qualities will guarantee great XC flights.

XC5 can be turned very tight and flat and doesn't have any spin or stall tendencies. That will help you comfortably climb even in those small and rough thermal cores and fully enjoy your XC flying.

Exceptional performance and handling when accelerated will get you easily in the next thermal along your XC adventure.



## Materials

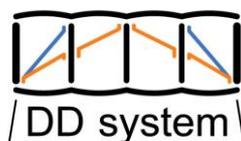
Very light and high quality materials has been used for XC5, canopy is made mainly from Porcher Marine 27/32 Skytex. For the lines we choose Aramid and Dyneema for their great strength and characteristics.

The leading edge is made from very durable Porcher Marine Everlast Skytex 36 and is reinforced by integrated nylon and elastic. This ensures optimal inflation of the canopy and helps to retain the leading edge's perfectly clean shape at maximum speed.

**everlast**  
double coating

## Construction

The glider features a unit cell structure with two non-carrying ribs and double diagonal segmented ribs (DD system) that attach directly to the upper surface. This optimises the definition of the top surface curve without losing stability in flight. Well proven three rows line concept has been used which allows great glider control, stability and behavior. Even we aimed for the superlight wing there are no compromises. Trailing edge mini ribs will guarantee clean and smooth shape.



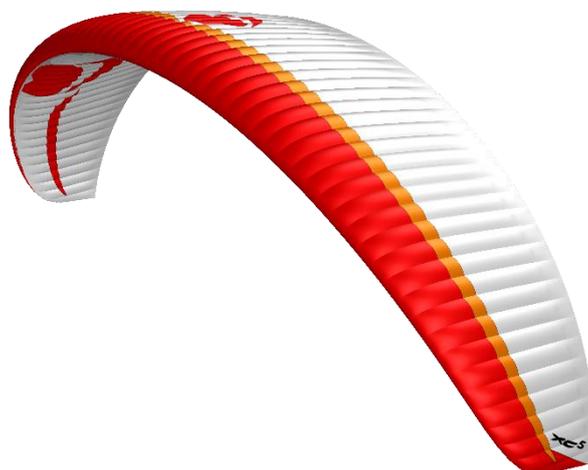
## Technical data

<b>XC5</b>		<b>24</b>	<b>26</b>	<b>28</b>
Flat Area	[m2]	21,4	23,5	25,7
Projected area	[m2]	18,18	19,96	21,83
Span	[m]	12,2	12,79	13,38
Projected span	[m]	9,69	10,16	10,62
Aspect ratio		6,96	6,96	6,96
Projected aspect ratio		5,17	5,17	5,17
Max. chord	[m]	2,14	2,25	2,35
Min. chord	[m]	0,44	0,46	0,48
Number of cells		66	66	66
Line consumption	[m]	255	268	282
Weight of the glider	[kg]	3,4*/3,7	4,2	4,6
Take-off weight range	[kg]	70-85	82-97	95-118
Optimal take-off weight	[kg]	72-82	85-95	105-115
Certification EN		D	D	D

\* X-Alps version

## Color Combination

Due to using light Porcher Marine 27/32 Skytex there is only "RED – color combination"



## Guarantee and quality

New Gradient gliders are fully comprehensively insured for one year. Even if damage is due to pilot error all repairs are free of charge for 12 months from date of purchase.

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All Gradient paragliders are designed and built at Gradient's own development, design and production facility in Prague, Czech Republic, Europe. Having one base, where ideas can be quickly translated into reality and taken straight from the drawing board to the factory floor, means that high standards are guaranteed throughout the design and production process.



GLIDER REPAIR  
FREE OF CHARGE