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Product presentation

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## Performance with a genuine personality

A wing that soars above its class: in terms of pilot requirements the Triton 2 is similar to the old DHV 2/3 class and at the same time it has the performance of a fully-fledged high-end glider. This makes the Triton 2 the ultimate cross-country flying machine.

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## The ultimate flying machine

The NOVA Triton 2 is a breath of fresh air in the serial performance glider class, which follows in the tradition of former DHV 2/3 wings. On the one hand, the Triton 2 offers impressively good performance and therefore the potential for league, competition and ambitious XC flights; on the other hand, the flying characteristics of the wing are completely manageable for an experienced pilot. So it is exactly what discerning pilots want: the ultimate flying machine, which combines performance with certification-appropriate safety.



## The joy of flying

Thanks to the selected moderate aspect ratio (6.4 flat) the Triton 2 offers the whole range of flying characteristics: the wing is agile, brake pressure is low and it invites you to play above the landing field after completing a satisfying XC flight. The Triton 2 therefore offers everything a keen cross-country pilot wants: excellent performance, good certification-appropriate passive safety, a wing that is greedy for the best lift in thermals, very sensitive brakes and a glider that offers an exceptionally high fun factor.



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## Technologically ahead

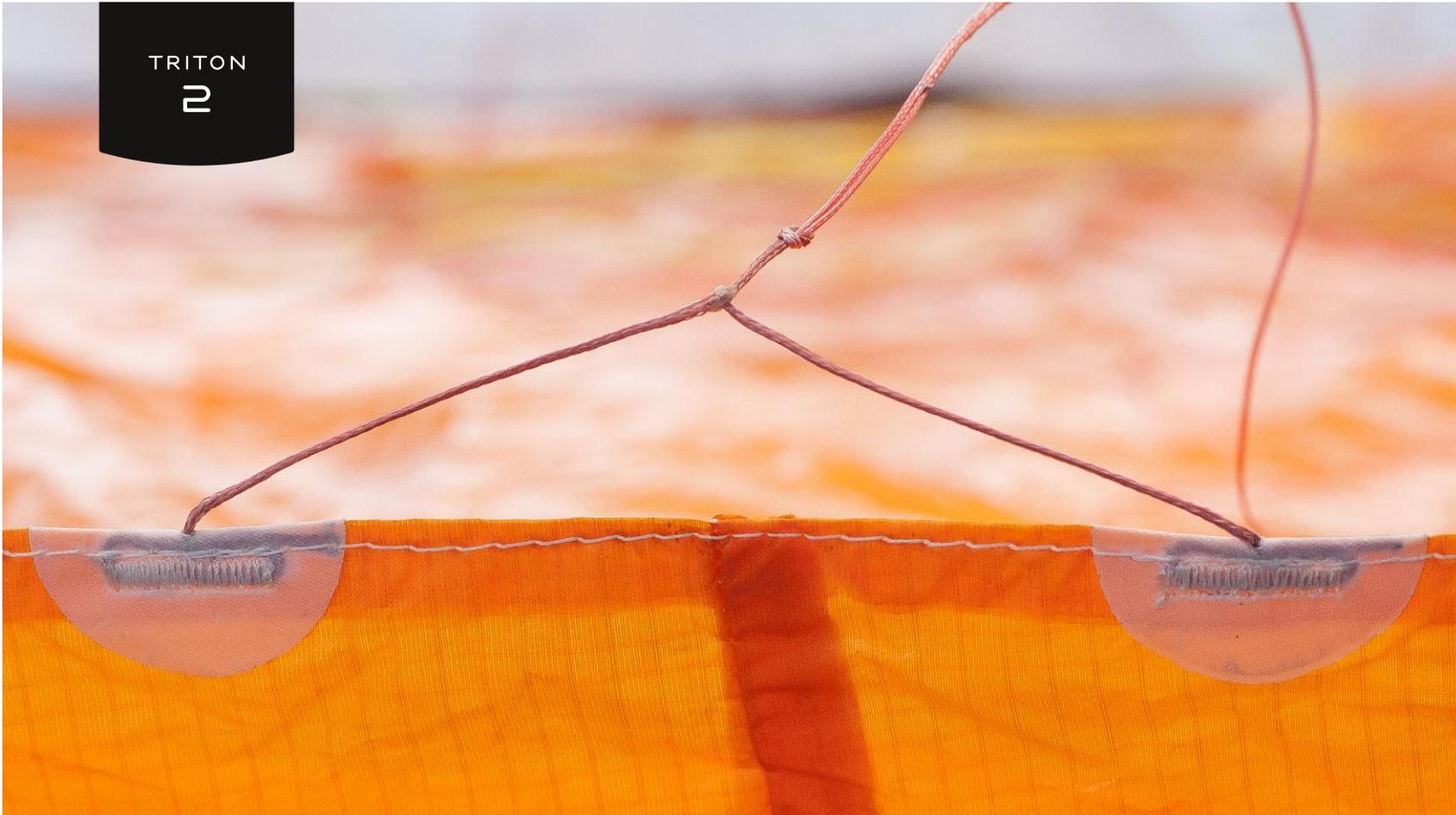
The Triton 2 is the result of NOVA's 25 years experience in designing paragliders. Its flying behaviour was predicted using analytical tools and airflow simulations. Inside the wing, innovative needle-eye ribs distribute the tension across the span of up to five cells at a time. The needle-eye ribs are each made out of one piece of material and traverse through slots in the profile ribs. This results in a more precise shape than is achieved in a conventional four or five piece rib, which is implemented using multiple-piece diagonal ribs. 3D-Shaping and optimised position and size of the cell openings enhance the performance potential of the Triton 2.



## Genuine performance

No folding line. No cross-line. No tricks: The Triton 2 is a performance three-liner suited to a skilled and experienced pilot. And they will get what they expect: a wing with exceptional performance which has been fully tested in all possible collapse scenarios. The leading edge of the Triton 2 is reinforced with extremely flexible rods, but these are short and end just after the A area. In comparison to the Triton 1, the A area was not set back. For this reason, collapses are generally less extensive – we found this both during induced asymmetric collapses using the A-riser, as well as in spontaneous collapses in turbulent air. With a moderate aspect ratio of 6.4 (flat) the Triton 2 continues the tradition of its predecessors, the Tycoon and Triton 1.

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## Innovative and progressive

With its aspect ratio, wing area and its passive safety features, the Triton 2 is a traditional glider, but simultaneously it comes with a bundle of innovations. One of these is the mix of materials: to improve its extreme flight behaviour, we used a very light but durable material (32 g/m<sup>2</sup>), which also features in the Mentor 3 light. The leading edge is fitted with an improved Nova air scoop which increases the internal wing pressure – especially in accelerated flight. The Triton 2 therefore profits from the know-how that we gained from developing the Ion and Mentor series.



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## Basic data of the TRITON 2

**Classification:** Performance wing

**Technologies:** innovative needle-eye rib tensioning, 3D shaping, Nova air scoop, variable air intake, weight-optimised mix of materials;

**Aspect ratio:** 6.4 (flat)

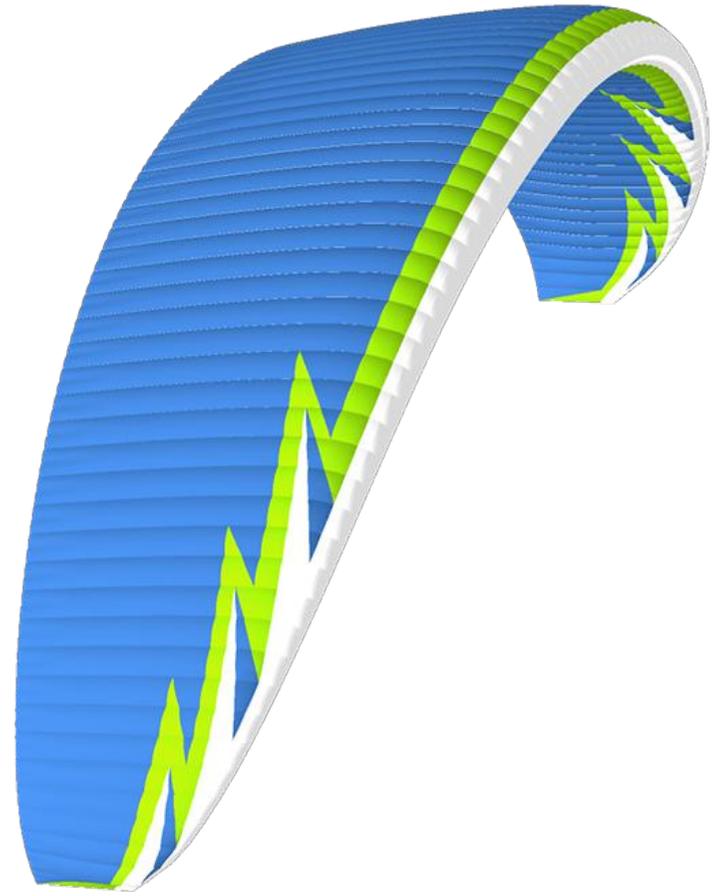
**Certification:** EN/LTC-C (TBC)



	S	M	L
Cells		71	
Projected wingspan	9,7	10,22	10,62
Projected surface area	20	22,17	23,98
Projected aspect ratio		4,7	
Flat wingspan	12,34	12,98	13,5
Flat surface area	23,73	26,29	28,43
Flat aspect ratio		6,4	
Line diameters		1,3/1,0/0,95/0,7/0,65	
Line length	7,19	7,57	7,87
Line consumption	253	267	278
Max. profile depth	235,6	248	258
Min. profile depth	55,5	58,4	60,7
Weight	5,1	5,4	5,7
Recommended weight range (kg)	80-100	90-110	100-120
Extended weight range (kg)		110-115	120-130

## Technical data & extended range

In sizes M and L, the Triton 2 has an extended weight range. In size M we recommend a weight range from 90 to 110kg, although the wing is certified up to 115kg. In size L, the optimal all-up weight is 100 to 120kg, but it can be flown up to 130kg within its certified weight range. For cross-country flying we advise staying within the recommend weight range. The extended range is for those to whom high speed is the primary consideration. The Triton 2 displays its best flight characteristics in the upper half of the optimal weight range.



## Colors of the TRITON 2

Petrol, Orange



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TRITON 2 | Ready for take off!

