

MENTOR

4

NOVA

product presentation  
MENTOR 4





MENTOR  
4

## MENTOR 4 – gets you further

More technology, more know-how, more performance: The MENTOR 4 is the next milestone in the XC intermediate class. As well as revolutionary performance, the MENTOR 4 also offers refined handling in thermals, balanced roll damping and even better climb characteristics. And thanks to its compact sail, the wing has gained efficiency and is also faster.

NOVA





## The next milestone

The MENTOR 1, 2 and 3 was outstanding in its class. The Mentor 4 is the continuation of our mission to make the best wing in its class. In comparison to its predecessor, its performance is **better by half a glide point**. The Mentor 4 offers everything an ambitious cross-country pilot desires: impressive performance combined with a high degree of passive safety. Numerous competition title wins and records are proof of the success of the Mentor design.





## Optimised in every way

The MENTOR 4 was designed in co-operation with the cross-country pilots in the NOVA Pilots Team. The experience of cross-country hounds fed the development. Our designers and test pilots converted the input, and their own experience, into solutions. The results are improved roll dampening - particularly in accelerated flight - even more precise handling and a further improvement in the climb rate. The higher speed of the MENTOR 4 improves its efficiency against headwind.



Pilots Team





## Lighter and even more durable

The MENTOR 4 is a weight-optimised wing: everything that is not exposed to a high mechanical load has been manufactured using moderately light material (Dominico 20D), except the profile nose which is made from abrasion resistant cloth. The result is a wing that is significantly lighter, but at the same time more durable, than its predecessor. A side effect of the reduced canopy weight is higher passive safety - and it is suitable for hike & fly.

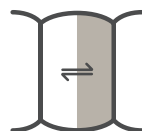


**WEIGHT  
OPTIMISED**

## MENTOR 4 technology

### Optimised cell widths.

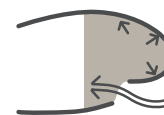
Smart Cells counteract the variable force distribution within the wing that are caused by the line attachments. In NOVA paragliders constructed using Smart Cells, the cell widths have been adapted to the load - basically, intelligent cells. Wings with Smart Cells fly more calmly, are more compact and glide better.



**SMART  
CELLS**

### Under pressure.

NOVA Air Scoop is an optimised air intake, which increases the internal wing pressure. Nova's Air Scoop principle is similar to the ram-air inlet duct on a sports car: increased airflow produces higher pressure. Higher internal pressure in a paraglider means improved performance through increased structural stability and collapse resistance.



**AIR  
SCOOP**

### Flat profile nose.

Anyone who tries to fold a piece of paper around a ball will notice that there are always creases. The nose profile of a paraglider is the same - the sail cloth has to adjust to both the profile and ballooning effect (cells are round, not straight). Double 3D Shaping uses additional seams to reduce creasing and therefore increases the performance of the wing.



**DOUBLE 3D  
SHAPING**

### Less is more.

Our idea of a three-liner with a reduced amount of line length allows us to construct wings with very good performance and a high degree of passive safety. The way we have conceptualised the lines has made it possible to manufacture wings which are collapse resistant; but when they do collapse, the collapsed area is generally less extensive. This significantly improves the wing's extreme flight behaviour.



**THREE  
LINER**

### Comfort on the ground.

All NOVA paragliders are made to be easy to use. For packing you can use a concertina bag, but it is not essential. Our extensive experience with rods has taught us that the packing method has little influence on the durability of the wing. Bent rods quickly spring back into their original shape.



**EASY  
PACKING**

### Light and durable.

Paragliders in the Weight-optimised category are lighter than conventional paragliders - but offer the same mechanical stability and durability. These wings are lighter to carry, easier to launch and are therefore suitable for hike & fly. Weight-optimised is aimed at pilots who appreciate light weight without compromising on durability.



**WEIGHT  
OPTIMISED**



## Technical data

		XXS	XS	S	M	L
Number of cells	m	55	55	55	55	55
Projected span	m	8,53	8,97	9,40	9,80	10,19
Projected area	m <sup>2</sup>	18,36	20,33	22,30	24,26	26,21
Projected aspect ratio		3,95	3,95	3,95	3,95	3,95
Flat span	m	10,80	11,36	11,89	12,41	12,90
Flat area	m <sup>2</sup>	21,48	23,78	26,09	28,39	30,68
Flat aspect ratio		5,43	5,43	5,43	5,43	5,43
Line diameter	mm	0.6 / 0.7 / 0.8 / 1.0 / 1.3				
Line length	m	6,24	6,56	6,87	7,17	7,45
Total line length	m	215	226	237	248	258
Max. chord	m	2,49	2,59	2,71	2,83	2,94
Min. chord	m	0,60	0,63	0,66	0,69	0,72
Weight	kg	4,70	5,00	5,30	5,60	5,90
Recommended take off weight*	kg	60-80	70 - 90	80 - 100	90 - 110	100 - 130
Certification (EN/LTF) (t.b.d)		B	B	B	B	B

\*) Pilot incl. equipment and wing | Subject to change without notice

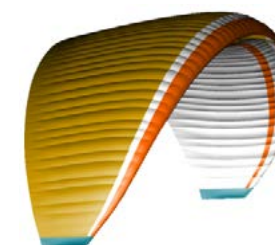
## Colours



\_Lime



\_Petrol



\_Gold



MENTOR

4



MENTOR 4 – the XC machine





Every NOVA paraglider comes with a big package of extra services and guarantees.  
When you buy the wing you get more than just the product.

