

HERCULES²

PARATRIKE WING

V.2



PRESENTATION



HERCULES 2 - The project

Hercules 2: A completely new design aimed at improving and evolving with increased speed without sacrificing glide and ease of use.

We focused on not losing the qualities of the previous model (safety, stability, and durability). Hercules 2 enhances its positive points, providing ease in operations, whether on the ground or in flight. The new wing brings performance to navigation.

Developed for all pilots qualified for paratrike flight, with two sizes, it can accommodate most paratrike pilots (Hercules 2 size 380: takeoff weight 240 to 380 kg and Hercules 2 size 240: takeoff weight 140 to 240 kg).

Speed and safety are points that everyone seeks, and that was also considered for Hercules 2. The solidity of the project is the wing's main characteristic, along with an increase in speed without losing glide or the need to use the motor extensively.

One point to highlight is the ease of using the trimmers: the new profile doubles the angle generated by the airfoil and the new anchoring points.

SOL Paragliders gathered maximum information from pilots using Hercules, representing everything in this new paratrike wing.

The project was flown by the best professionals in the market, being built and developed by pilots for pilots, those who seek safety, ease, and performance. Hercules 2 has no restrictions, being a wing that will meet both the beginner and experienced pilot.



Flight Characteristics

The new construction is the key to the excellence points of the new wing. Lightness is the hallmark. A concept of 3 lines and using high-performance materials further expanded the performance of this wing, without losing the famous durability of Hercules.

The self-stabilizing or Reflex profile shows its characteristic in the first moments of the operation, making the wing advance with harmony and ease during inflation, without the risk of overshooting. The Hercules 2 does not require an A-assistant but can be used without restrictions. Stability and agility are attributes of the wing on the ground, keeping the wing overhead and protecting the taxi operation, making ground training safe. Advantages for training pilots.

The wing's design with more cells and some changes, such as the tips, creates a better structure and a solid and precise shape in maneuverability.

With minimal input and minimal motor input, the Hercules 2 proves to be easy during takeoff, one of the points that was extensively worked on in

the project and successfully achieved from the first flight.

Taking off with a regular speed, the pilot can enjoy a glide, stability, and excellent lift, essential points for this class of aircraft, making the flight more comfortable in every way. This spares the pilot from significant adjustments and wear due to the high wing loading of this class of aircraft.

The Hercules 2 features 2D dual control technology: the main control is the wingtip control. Both can be used together or separately without restrictions. The simplicity and handling options make the pilot quickly adapt to the equipment, increasing efficiency in use.

Differences from its predecessor Hercules 380

- Lighter;
- 3-line technology;
- New materials, long-lasting PPSLS lines;
- New auto-stable profile (Reflex);
- Easier takeoff;
- Greater maneuverability with 2D control;
- Stability and agility on the ground;
- More cells;
- Greater glide;
- Higher speed at the same weight;
- More comfortable in flight;
- Easier use of trimmers.



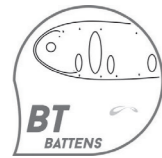
Tecnologies



Pressure Booster
Profiles



Full Hybrid Techno-



Battens Technology



2D Steering System



3 Riser System



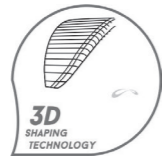
Load Distribution Tapes



High Project Aspect
Ratio



X - Battens



3D Shaping



Bow Tec



Seamless Stabilos



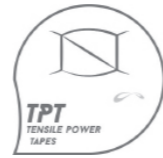
Laser Cut Technology



Mini Ribs



SOL Maxi Stable Reflex



Tensile Power
Tapes



Technical data

Size	300	380	
Cells	44	44	
Real Surface	33,03	38,60	m²
Real Wingspan	13,14	14,20	m
Real A/R	5,22	5,22	
Projected Surface	28,70	33,54	m²
Projected Wingspan	10,69	11,56	m
Projected A/R	3,98	3,98	
Line Diameter	Liros Dyneema PPSLS 1,05 -1,2 / Cousin Dyneema 2,1 / Cousin Technora 2,1		
Height	813	876	cm
Maximum Profile	307	332	cm
Minimum Profile	88	95	cm
Ventral distance (min - max)	50 - 60	50 - 60	
Paratrike wing weight	7,3	8,5	kg
Take Off Weight	140-300	180-380	kg
Certification	DGAC	DGAC	

Materials

A SOL Paragliders has always been known for its durable equipment. The Hercules 2 is built with new materials, more durable PPSLS lines, different fabrics, and new hardware.

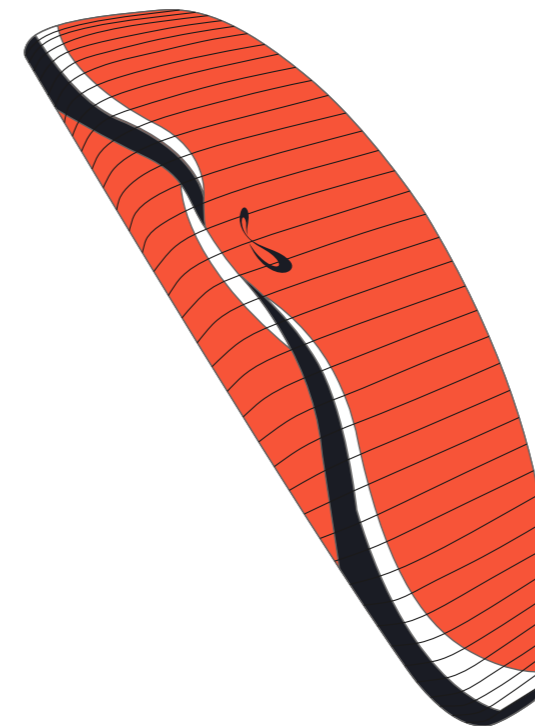
The Hercules 2 has a combination of lines that are the most modern and durable on the market, providing a balance of durability, resistance, and stability.

Hercules 2	
Top	WTX 40 PU+Silicon Coating 40 gr/sm
Bottom	WTX 40 PU+Silicon Coating 40 gr/sm
Profiles	Pro-Nyl Higt Tenacity Nylon Rip-Stop Hard finish 36gr/m2
Reinforcements	Multiprint Polyester 25 mm blanc
Linhes	LIROS PPSLS 1,05 mm 1,2 mm - COUSIN Technora 2,1 mm - COUSIN Dynema 2,1 mm
Carabiners	Ansung Precision 4mm BI 600kg
Risers	Premium 24 x 2,4mm Flat Multi 1600kg
Pulleys	Sol Sports PL14



Colors

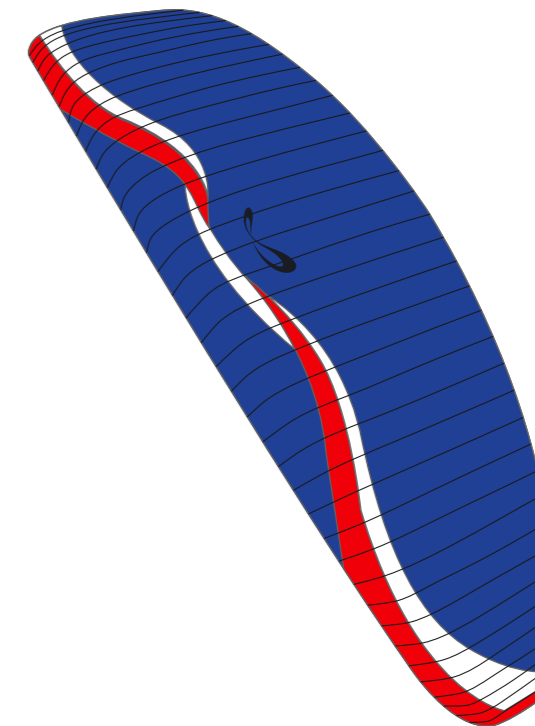
Laranja
TOP



BOTTOM



Azul
TOP



BOTTOM



HERCULES²

MOVIE



Street Walter Marquardt, 1180 | Barra do Rio Molha | Jaraguá do Sul | SC | Brazil | 89259-565

FONE 55 (47) 3275-7753

info@solsports.com.br