

Further development of the Expedition chassis led to the new innovative frame with a different concept and technology used.

THE STRUCTURE

The "heart" of the frame is built from the aviation grade aluminum in a shape of the star, giving the name to the model. This special shape not only gives the frame it's elegant outlook but the strength and rigidity.



The lower part of the frame was also strengthened and the carbon rods were changed to titanium ones.

As the result the frame turned to be incredibly rigid (for powered start), strong and secure.



RODS

The frame holds four folding and one screwed in connectors with titanium rods. It takes literally just a few seconds to get the rods up into working position.



NET

The net is manufactured from Dyneema and when it's being assembled, it is tightened up using a small pulley block, halving the effort you need to apply to tighten the net.



CAGE

The cage is built from titanium oval shaped which are much stronger compared with the same weight tubes of round shape. The standard diameter of the cage is 140 cm which allows you to use propellers up to 130 cm. The bigger diameter is available upon request (up to 150 cm cage diameter).



TORQUE COMPENSATION SYSTEM

S-type titanium horns of the paramotor have quite a complex shape. Left and right ones are different as well. This is introduced to compensate the twisting moment generated by the engine. This solution generates no parasite drag in comparison to propeller-like inserts in the cage. The principle is to move the thrust point of the motor in the opposite direction of the twisting force generated and to compensate it.



CROSS BAR WEIGHT SHIFT SYSTEM

This system is designed to compensate any tendency of the wing to deviate from a straight forward flight. It means that if the wing is turning right or left all the time, you can loose four screws and easily adjust the central cross-bar setting so to eliminate this effect. Just 5 mm of shift is usually enough to compensate the tendency of the wing to turn left or right.



WEIGHT

With the weight of 5,1 kg (including fuel tank) it is currently the lightest (and the most rigid) frame in the world in it's class (sandwich technology).

FUEL TANK

Unique soft fuel tank was designed specifically for our frames and goes as a standard. There are a few things about the soft fuel tanks which are distinctively better than the hard ones:



- no smell at all from the tank. You can keep your paramotor right in the boot of your car for a week and you won't feel the smell of petrol.
- there is no air tap to forget about, when the fuel is sucked from the tank, it simply shrinks.
- you can use all the fuel from the tank up to the very last drop because of the same feature of the tank, shrinking around the fuel intake line.

ENGINE

Any modern paramotor motor engine can be easily installed to the frame (Moster, EOS, Polini, etc.). Electric paramotor is also available.



TARGET AUDIENCE

It is suitable for the beginners, pilots just graduated PPG schools as well as for experts. The Star frame is perfect for those who can benefit from compact size, easy assembly, latest technology and innovations used, performance and easy maintenance.

TECHNICAL CHARACTERISTICS

- Net weight 4,7 kg (5,1 kg including fuel tank)
- Cage diameter 1412 mm
- Frame material — air-craft grade aluminum.
- Cage, horns and rods material — titanium.
- Soft fuel tank for 15l (18 l as an option)
- Net material — Dyneema
- Horns — S-type
- Throttle — Vittorazi
- Torque compensation System installed as standard
- Cross Bar Weight Shift System installed as standard

WHY DOES PILOTS CHOOSE SKYMAX STAR?

- lightest in it's class — 5,1 kg incl. fuel tank
- most rigid due to the shape and materials used
- soft fuel tank — light, strong, no smell, fuel economy
- any paramotor engine can be installed
- Torque Compensation System
- Cross Bar Weight Shift System
- elegant appearance
- suitable for beginners and experts
- reasonably priced

What about SkyMax Paramotors Company?

We are a Russian manufacturer of innovative paramotor frames and paramotors.

OUR CLIENTS CHOOSE US FOR:

- Constant innovation and improvement is our ethos
- The lightest, most rigid and easily operated paramotors
- Paramotor customization upon request (engine, cage, harness, propeller)
- High quality, quick customer service
- Friendly and helpful staff
- Reasonably priced products
- Mutually beneficial relationship with partners and clients
- Wide dealers net



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