



Taurus M
First 15m
side-by-side
two seat
self-launching
glider



High performance
50 HP engine
Automatic engine
retraction

Glide ratio 41:1
5-stage flaperons
Double undercarriage,
side by side

Side by side
for ultimate comfort

Taurus is the World's first side-by-side ultralight powered glider! It offers complete freedom and independence thanks to the retractable engine, double retractable main landing gear, excellent gliding performance, inexpensive maintenance and a well ventilated spacious cockpit. The idea behind the Taurus is to offer an autonomous and affordable gliding solution.



TAURUS M

15m/50 ft wings with winglets, automatic controls hook-up, effective airbrakes and supreme comfort make the Taurus fly like a dream.



Taurus M
15-meter wingspan
Taurus Electro
15-meter wingspan



Apis/Bee
15-meter wingspan
13.5-meter
New FAI class ready



Sinus 912
15-meter wingspan



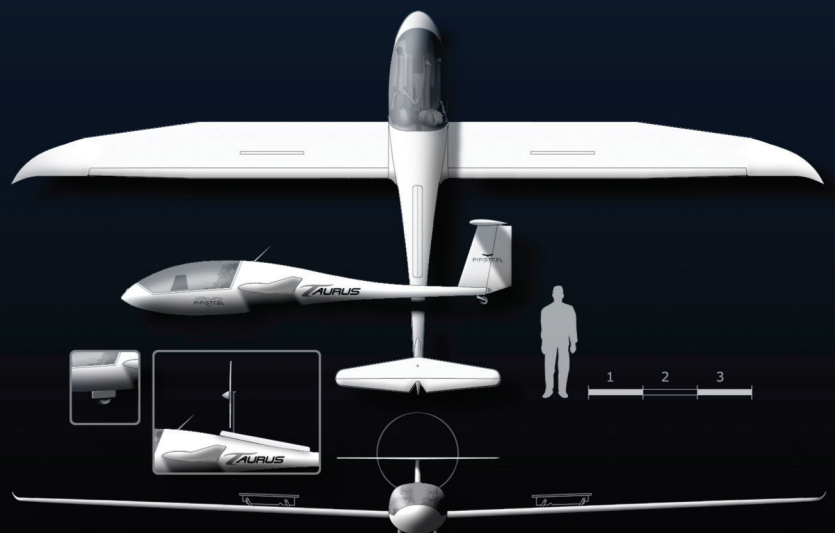
Virus 912
12.5-meter wingspan



Virus SW 80/100
10.7-meter wingspan



Panthera
Four seat fast cruiser





Taurus M self-launching UL/LSA 2-seat glider

Independence

The only two-seat glider with a 15-meter wing-span is also the most independent in operation. Equipped with a powerful, yet fully retractable high-performance 50 HP fuel engine and double retractable main undercarriage, the Taurus can go gliding wherever and whenever you want. When others will be waiting for a helper to connect the tow rope and hold the wingtip for take-off, you will already be far away and flying for hours in the Taurus. Worth noting is also the ease of assembling the glider. Taurus is the easiest 2-seat glider to assemble, due to its automatic control connections and the fact that one wing only weighs 40 kg (90 lbs).

Powerful take-off and climb

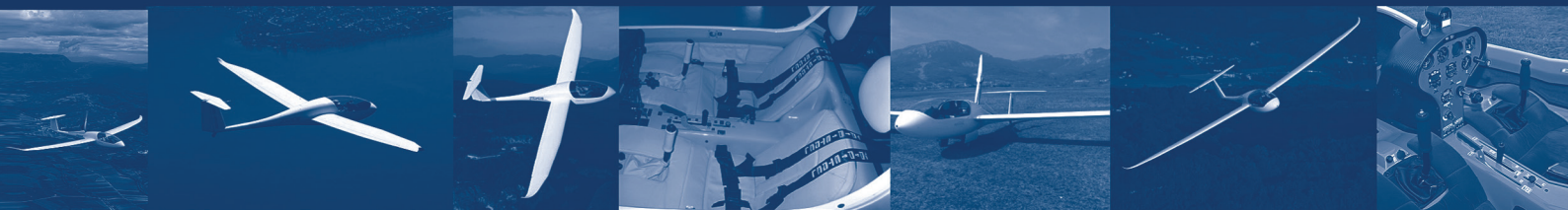
From take-off to 500 m (1650 ft) she only

Engine	High performance 2-Stroke 50 HP 50 HP at 6600 rpm
Max power (with 2 carb.)	
Propeller	2 blade Pipistrel 1600 mm diam
Sizes	
Wing span	14,97 m
Length	7,27 m
Height	1,41
Wing area	12,33 m ²
Aspect ratio	18,6
Positive flaps	5 deg, 9 deg, 18 deg
Negative flaps	-5 deg
Weights	
Empty weight	285 kg
Min. pilot weight	60 kg
Max. total pilots weight	220 kg
Max weight (MTOW)	450 kg/472.5 Kg/550 kg
Fuel tanks capacity	30 l + 30 l

Performance	
Stall with flaps	63 km/h
Stall without flaps	71 km/h
Max. speed with airbrakes extended	225 km/h
VNE	225 km/h
Manoeuvring speed	163 km/h
Min.sink speed	94 km/h
Min.sink	0,70 m/sec
Best glide ratio	41:1
Best glide ratio speed	107 km/h
Best glide at 150 km/h	33:1
Best glide at 180 km/h	23:1
45° - 45° Roll time	3.9 sec
Take off run (MTOW)	180 m
Take off over 15 m (MTOW)	265 m
Best climb speed	100 km/h
Max. climb rate (MTOW)	2.9 m/sec
Service ceiling (MTOW)	3900 m
Load factor permitted	+5.3g -2.65g
Max. load factor tested	+ 7.2g - 7.2g
Fuel consum. @ full power	18 l/h



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needs 3 minutes, 6 minutes to 1000 m (3300 ft) and 10 minutes to 1500 m (5000 ft). Then, reaching target altitude you shut down and retract the engine at a flick of a switch - literally. It may seem unspectacular but Taurus outperforms even single-seat self launching gliders when it comes to take-off and climb!

Intelligent engine control system

The intelligent engine control system will do everything by itself, making sure the propeller has positioned itself correctly and retracting the engine for you, while you concentrate on finding that perfect lift! Built-in safety will even prevent inadvertent start-up or retractions of the engine!

A vroom with the view

The cockpit of the Taurus is very long and comfortable. Even the really tall pilots will have no problems fitting inside. Side-by-side seating arrangement makes communication between the pilots perfect, unlike conventional tandem two-seaters.

Full dual controls are reachable to both pilots and the pedals, seats, headrest and ventilation can be adjusted to suit your body size and needs in just seconds, also during flight. A special ergonomically shaped instrument panel houses all the instruments you will ever want without obstructing the excellent view in all directions. There are side pockets for each pilot and a roomy baggage compartment behind the seats with space for an oxygen system as well.

Safety

Safety is our primary concern. This is why Taurus features the Safety Cockpit Concept. The entire cabin area is encased with energy absorbing structures made from Kevlar fibre, an amazing material which maintains the integrity of the cabin and makes it safe also in case of stronger impacts. Together with our special Safety Cockpit Concept the Taurus can also be equipped with the ballistic parachute rescue system, which saves the complete aircraft together with the crew in case of severe emergencies.



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