



Hang Glider

Microlift Glider

» discover new horizons «

# Archaeopteryx

» Soar! – from the first thermal to the last evening sunray «

### Glider characteristics

- Very slow and accurate flying in thermals
- Effective climb in weakest lift
- Cross country flights on days with low cloud base and narrow operational heights
- Highly functional and very comfortable cockpit for relaxed flying



- Only few and very light glider parts for quick rigging and easy ground handling
- Highly versatile glider for various take off methods, independently of airfields

### Cockpit-versions

- „Standard“ – open
- „Race“ – fully enclosed



### Flight safety

Aerotow



- Excellent visibility, even upward through the transparent wing panels
- Aerodynamic control with side mounted control stick, flap control stick and foot pedals for rudder
- Very good natured stall behavior, also in steep turns
- Generally very low take off and landing speeds
- Full controllability during foot launch
- Wheel landing
- Safety harness
- Airworthiness according to German LFG standard

» climb like an eagle – silent, efficient, relaxed «

### Performance

Minimum airspeed	30 km/h	(19 mph)
Maximum airspeed (VNE)	130 km/h	(81 mph)
Maximum manoeuvring airspeed	85 km/h	(53 mph)
Minimum sink rate	0.5 m/s	(98 fpm)
Best glide ratio	28	
Glide ratio with flaps 70°	5	
Minimum turn radius at 45° bank	15 m	(50 ft)

### Safety

Specifically developed light weight rescue system, latest technology 68 m<sup>2</sup> (732 sq.ft) large canopy for minimal sink rate. Pyrotechnical rocket deployed by release handle in cockpit.



» My dream of flying – the symbiosis of hang gliding and gliding.  
Roger Ruppert, developer



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### Glider data



Balancing glider on shoulders

Total span	13.6 m	(44.6 ft)
Length	5.7 m	(18.7 ft)
Height	2.9 m	(9.5 ft)
Wing area	12.8 m <sup>2</sup>	(138 sq.ft)
Empty weight (Standard)	54 kg	(119 lbs)
Cockpit fairing (Race)	6.7 kg	(15 lbs)
Rescue system	5.5 kg	(12 lbs)
Max. wing loading	12.8 kg/m <sup>2</sup>	(2.6 lbs/sq.ft)
Max. take off weight	164 kg	(362 lbs)
Pilot weight range	min. 55 kg	(min. 121 lbs)
	max. 100 kg	(max. 220 lbs)
Manoeuvring limit load	–2.0 to +4.0 g	
Flaps	–7° to +70°	

### Training

With less than 70 kg empty glider weight and foot launch capabilities, in most countries the Archaeopteryx will be classified as a hang glider. It is recommended to undertake sailplane training to solo level before Archaeopteryx flights are undertaken. Country specific regulations may exist and need to be taken into consideration.

### Transport and storage

Specifically designed light weight trailer „Clevertrailer“ made from aluminium, stainless steel and fibre glass (460 kg). Separate storage compartment. Automatic ventilation. Special fuselage carriage and wing trolleys.

Total length	7.62 m
Total width	1.57 m
Box size length	6.49 m
width	1.21 m
height	1.45 m



### Rigging and de-rigging

- 10 to 15 minutes with two people – single person set up possible
- Self connecting controls
- 6 quick release pins only
- Snap lock winglets

### Elements

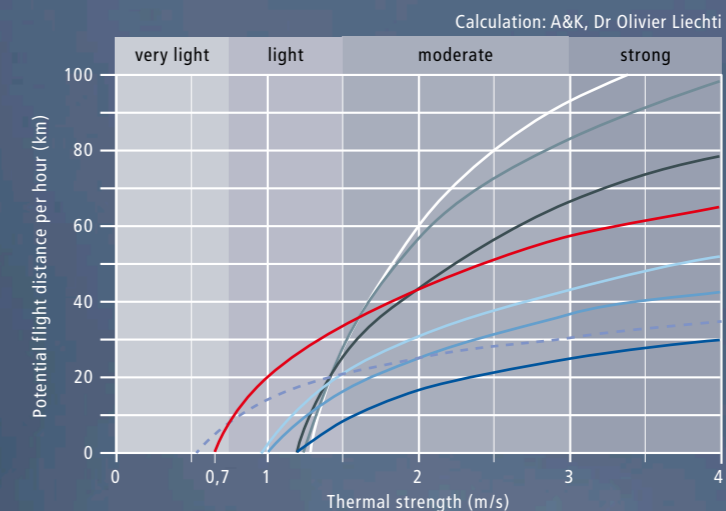
- Fuselage
- 2-part wing
- Elevator, rudder
- Winglets



Bungee launch

### Climb performance

With a low minimum sink rate of a sailplane and a circle radius of a paraglider, the Archaeopteryx can stay airborne in thermal strength as little as 0.7 m/s. Even flying cross country in very light conditions is possible.



» use even days with lightest lift «



» The Archaeopteryx opens a new world of silent flying.  
André Hediger, test pilot



## Launch methods



Entry for foot launch through cockpit underside

» take off wherever and however you like «

- Foot launch
- Bungee launch
- Trike aerotow
- Ultralight / LSA aerotow, max. 100 km/h (62 mph)
- Car towing
- Winch towing (hang gliding winch)



## Landing

- Glide angle control: Precise landings in smallest areas
- Slow and short approach for additional safety
- Touchdown with wheels and skid on grass, dirt or sealed strips



Designed and manufactured in Switzerland

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