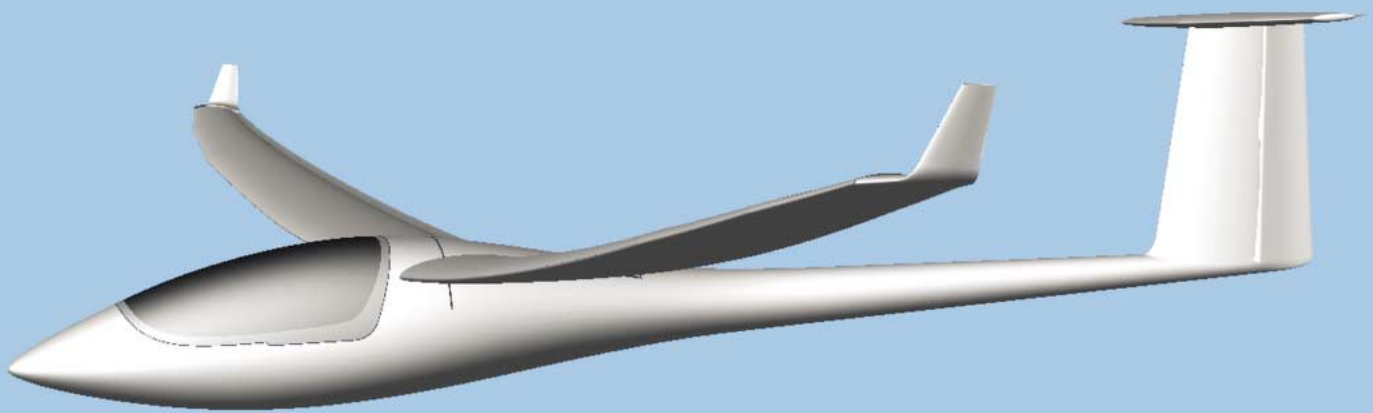
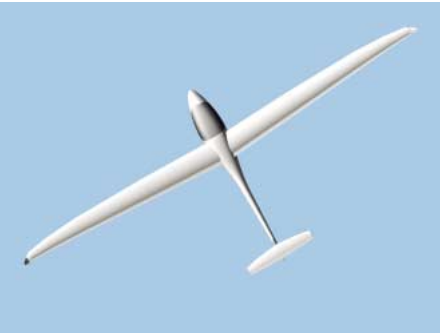
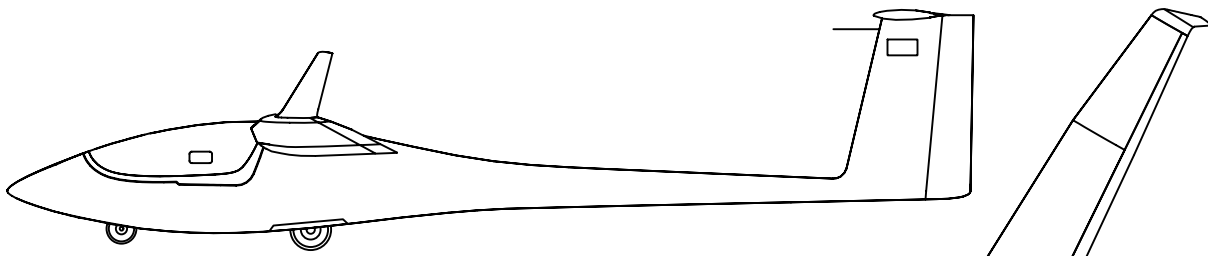


# STEMME

## STEMME S2

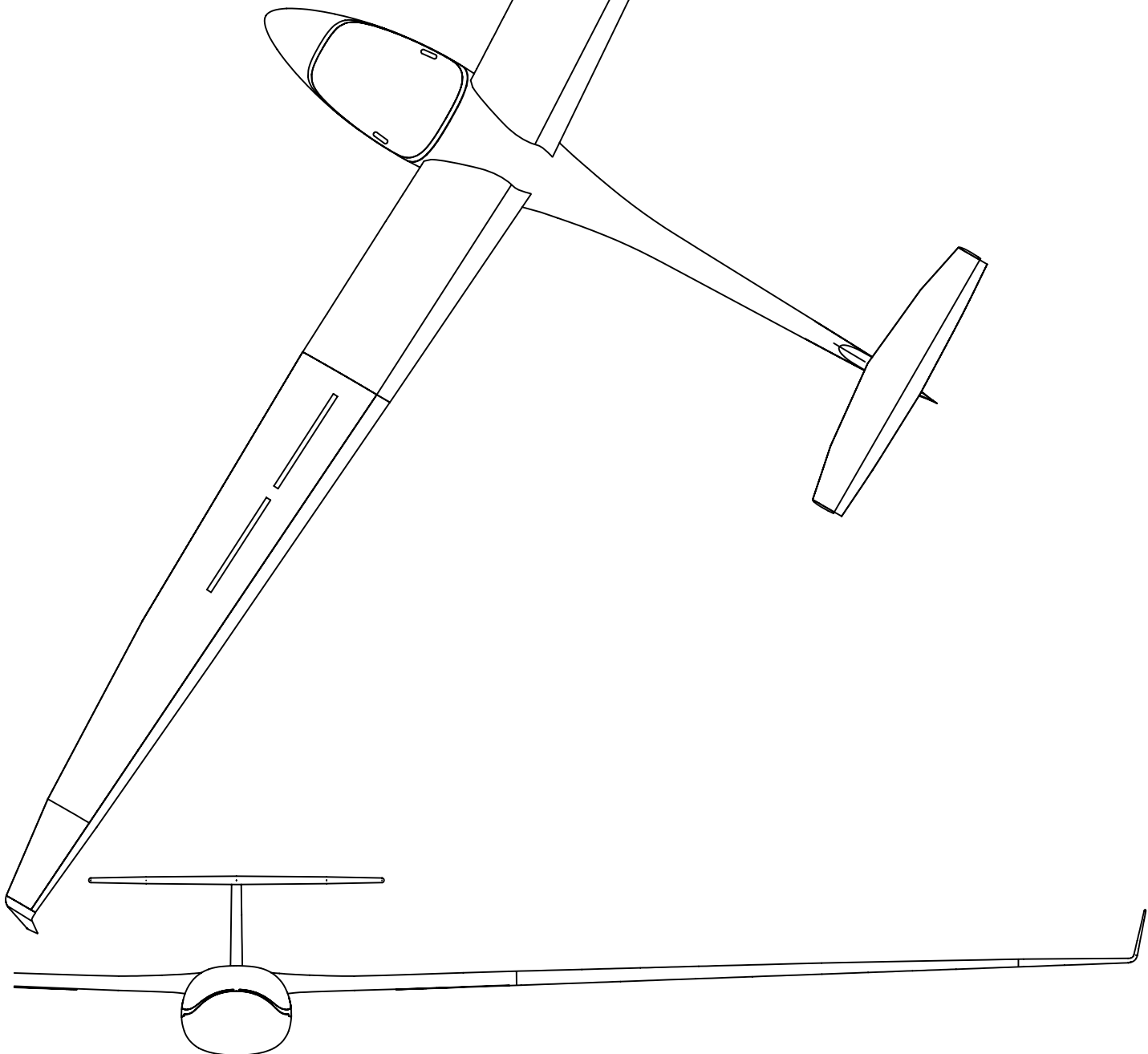
the side-by-side two-seat 20m sailplane





**Basic Options**

- Folding outer wing sections to 9.2 m (30ft)
- Trim tanks for water ballast and crew weight



## STEMME S2 the side-by-side two-seat 20m sailplane

### High performance soaring for fun, advanced instruction and competition

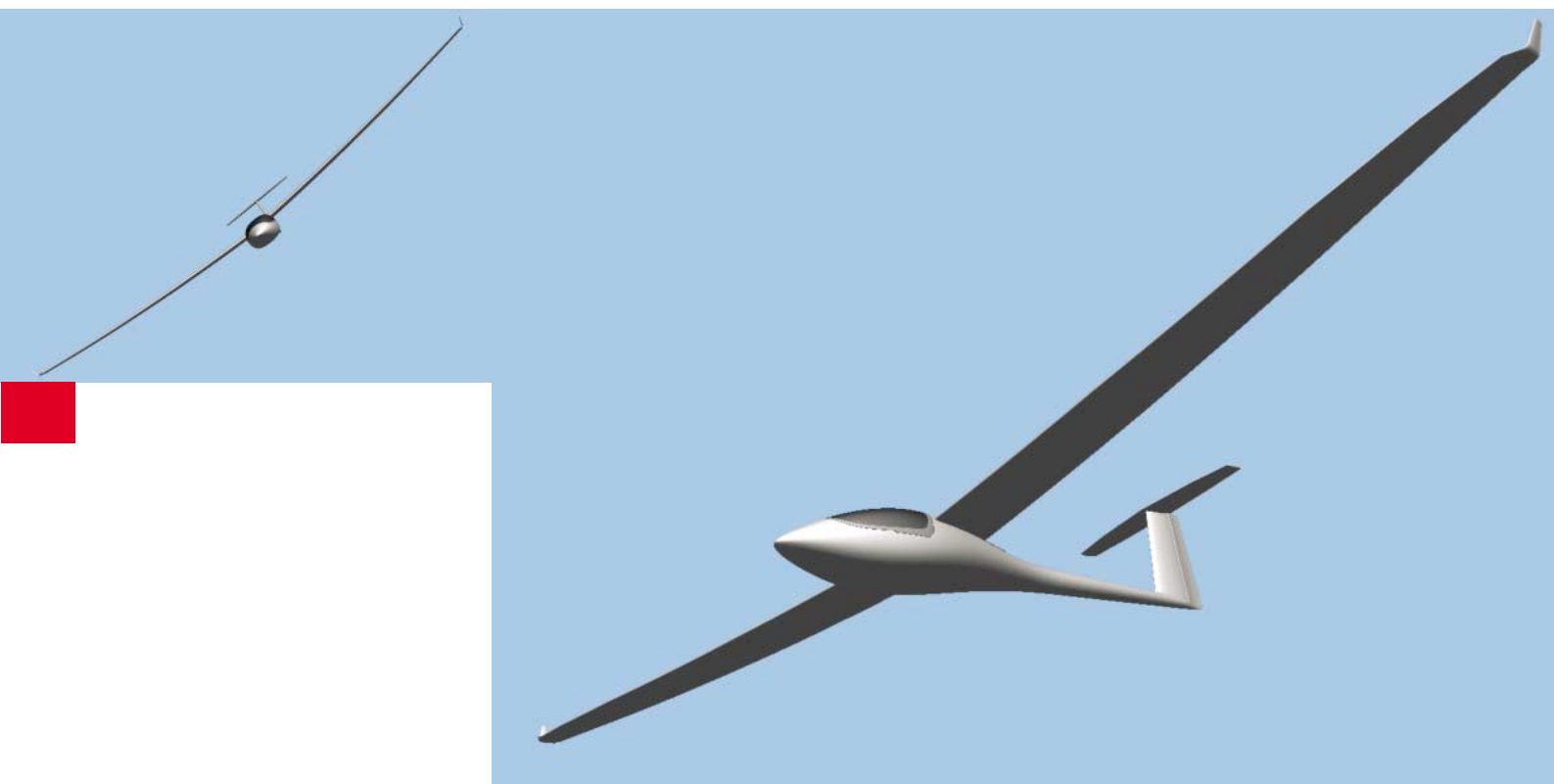
- Low wing loading of  $34 \text{ kg/m}^2$  ( $7 \text{ lbs/ft}^2$ ) at lighter weights for excellent soaring in weak conditions.
- Flap range of  $-4^\circ$  to  $+16^\circ$  to optimize lift coefficients for all conditions... from high speed dashes to narrow thermal soaring.
- Water ballast up to 230kg (506lbs) to increase wing loading to  $41 \text{ kg/m}^2$  ( $8.4 \text{ lbs/ft}^2$ ) for high airspeed soaring in strong conditions.

### Ideal for flying clubs

- Experience the unique pleasure of soaring with guests and students in a side-by-side high performance sailplane.
- Structural central console incorporates the latest safety cockpit crashworthiness.
- Easy cockpit access, large braking flaps for short landing distance and 75 mm (3 in) gear travel for comfortable soft landings.

### Side-by-side... the optimal configuration for training

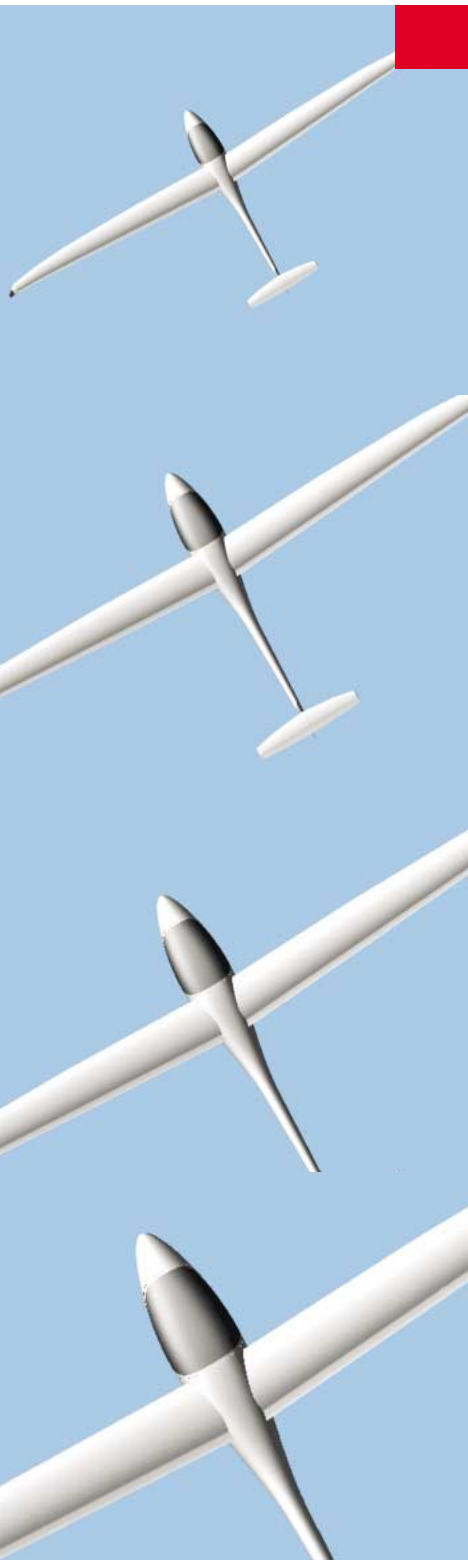
- Side-by-side training is faster and more thorough thanks to easy verbal communication, a shared cockpit, and ease of directly watching pupils' reactions.
- Student and instructor each have full controls and share excellent ergonomics with pedals and seat back adjustments for pilots from 1.6 to 2.0m (5'2"–6'5") and a cockpit nearly 1.2m (48in) wide... a comfortable learning environment.
- Basic flight training is conducted with the flaps in a "normal" position and leaving the rugged landing gear down for simple back-to-basics instruction.
- Docile handling and excellent control harmony is ideal for basic training, while the high performance design allows for even the most competitive soaring.



## Technical data

### S2 the side-by-side two-seat sailplane

see also [STEMME innovations](#)



max. take-off weight (MTOW)	750kg (1,653 lbs)
empty weight	427kg (940 lbs)
total payload	323kg (710 lbs)
water ballast max.	230kg (506 lbs)

wing span	20.0m (65ft)
wing span folded	9.2m (30ft)
wing area	18.34m <sup>2</sup> (192ft <sup>2</sup> )
aspect ratio	21.81
length	8.5m (28ft)
height	1.7m (5.6ft)

landing gear:	
main wheel cushioned, retractable	380x150mm (15x5.9in)
nose wheel fixed	260 x 85 mm (10,2x3.3in)

best glide ratio	47:1
airspeed at best glide ratio	112km/h (60kts)
min. sink rate (empty weight+70kg)	0.55 m/s (108ft/min)
min. wing loading (empty weight+70kg)	27.1 kg/m <sup>2</sup> (5.5 lbs/ft <sup>2</sup> )
max. wing loading	40.9 kg/m <sup>2</sup> (8.4 lbs/ft <sup>2</sup> )

# S2

STEMME AG  
Flugplatzstrasse F2, Nr.7  
D-15344 Strausberg (near Berlin)

Phone +49-3341-3612-0  
Fax +49-3341-361230  
E-mail [info@stemme.de](mailto:info@stemme.de)  
[www.stemme.de](http://www.stemme.de)