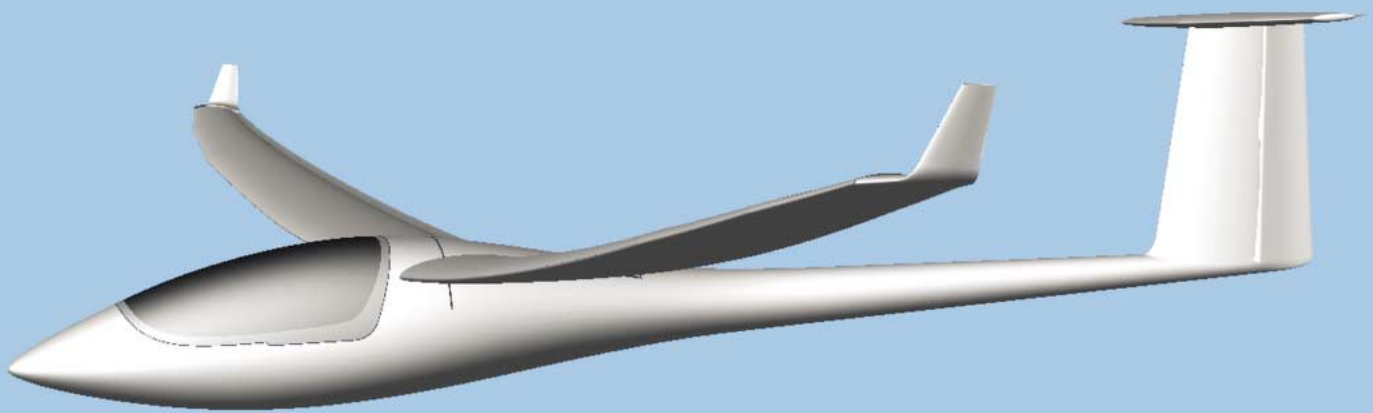
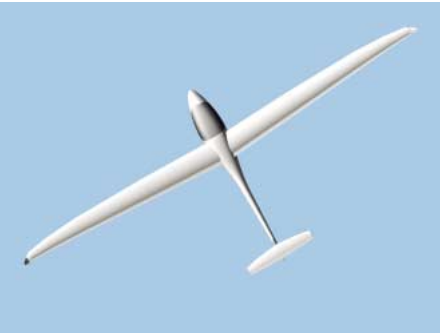
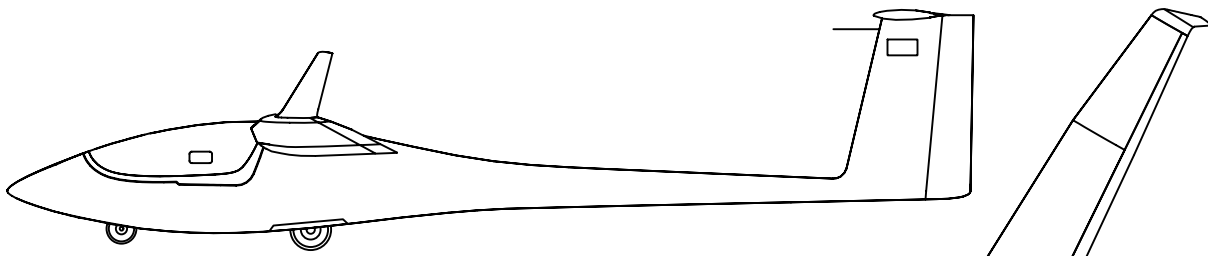


# STEMME

## STEMME S2

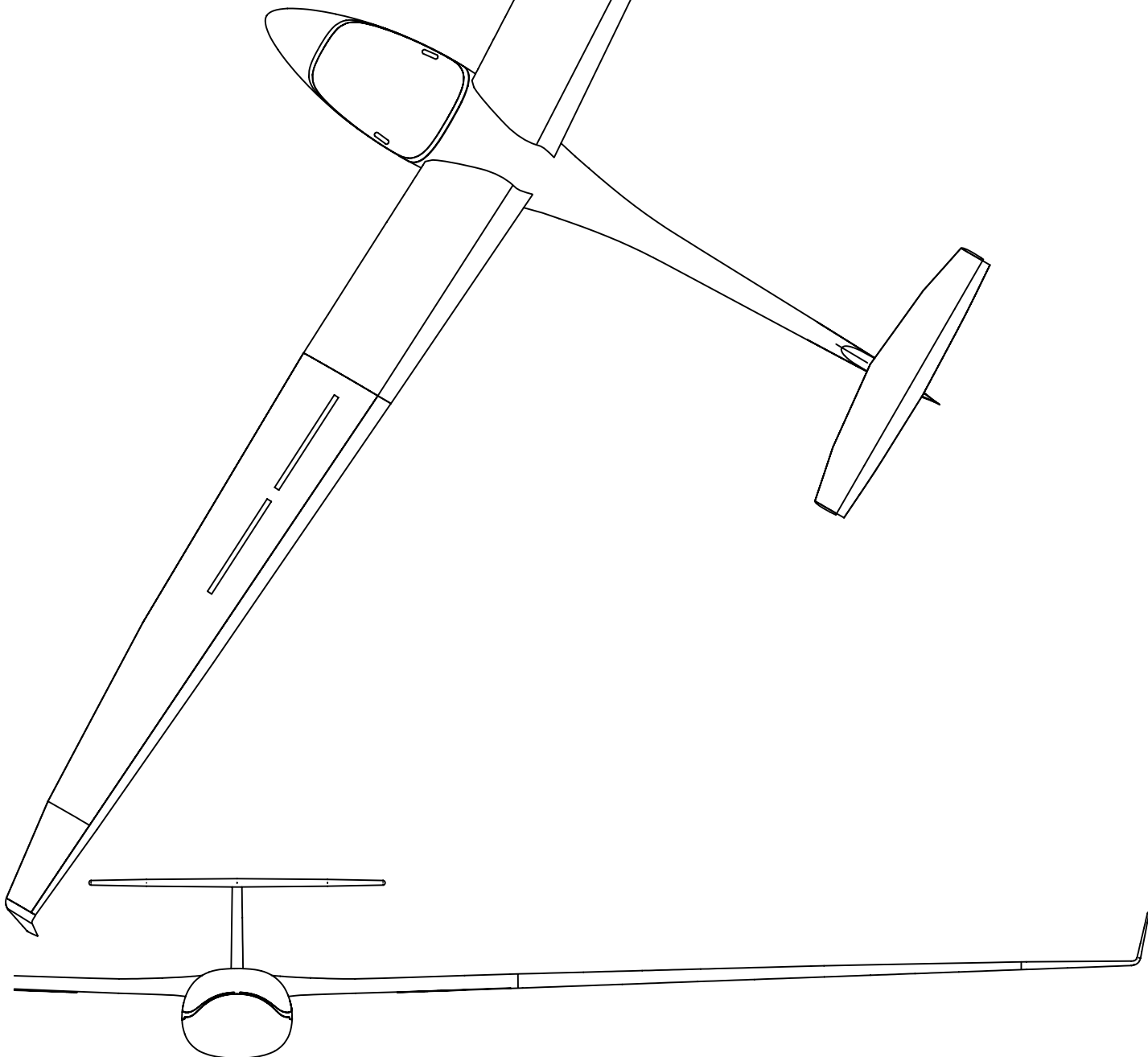
the side-by-side two-seat 20m sailplane





**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

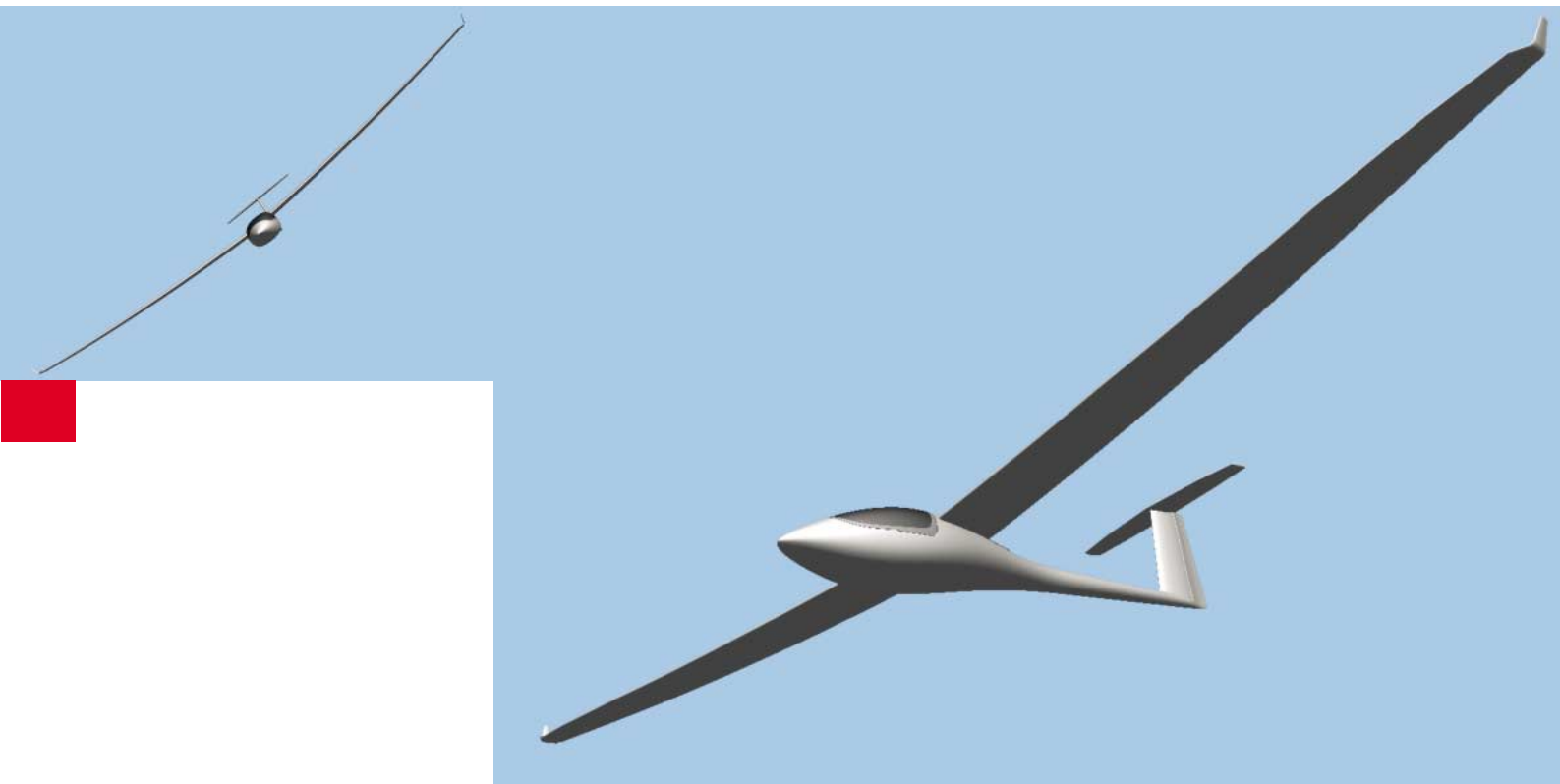
- Low wing loading of 34 kg/m<sup>2</sup> (7 lbs/ft<sup>2</sup>) at lighter weights for excellent soaring in weak conditions.
- Flap range of  $-4^{\circ}$  to  $+16^{\circ}$  to optimize lift coefficients for all conditions... from high speed dashes to narrow thermal soaring.
- Water ballast up to 230kg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

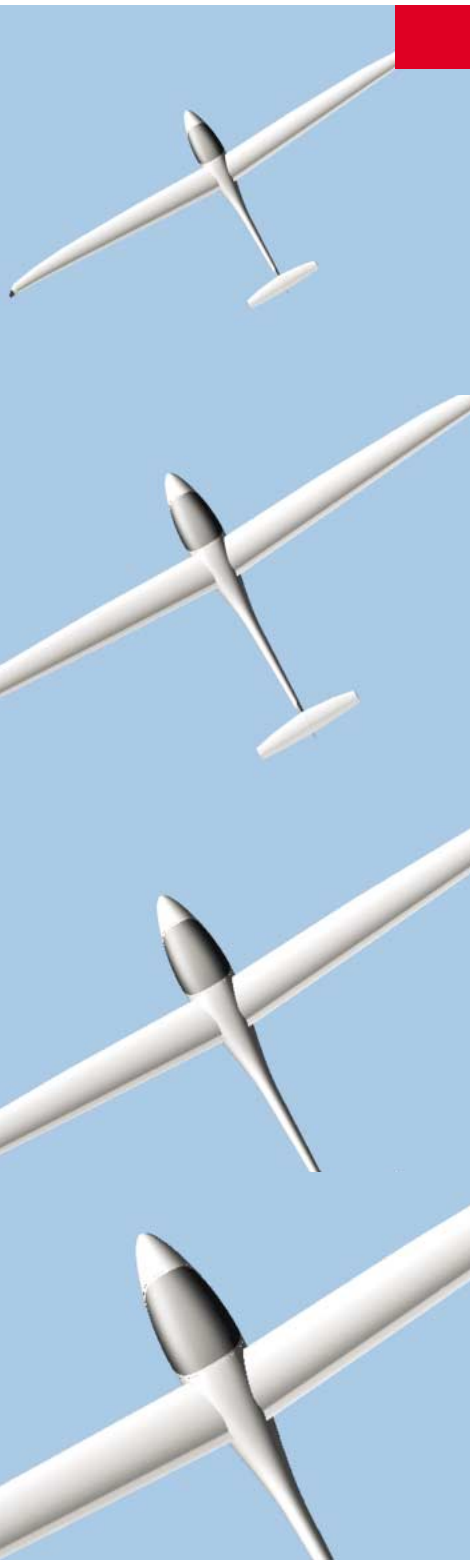
- Side-by-side training is faster and more thorough thanks to easy verbal communication, a shared cockpit, and ease of directly watching pupils' reactions.
- Student and instructor each have full controls and share excellent ergonomics with pedals and seat back adjustments for pilots from 1.6 to 2.0m (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 (1,653lbs)
empty weight	427kg (940lbs)
total payload	323kg (710lbs)
water ballast max.	230kg (506lbs)

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

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