

# BLUESTORM 800

BS800 sailplan07x2.skf  
scale: 1 mm = 50 mm

8.0 metre trailer-sailer  
by keith callaghan

## FORESAIL MEASUREMENTS

	LUFF	P	LEECH	FOOT
#1	8260	2930	7235	3370
#2	5800	1975	5160	2225
#3	4370	1690	3725	2010
#4	2800	1380	2490	1565

Sail area: 34.15 sq m + ~45-55 sq m asymmetric spi.

Mainsail luff P = 9450, foot E = 3550.

3 sets of reef cringles (with blocks for single line reefing) in main:  
reef 2 has P at 60% of max (OSR 4.26.4 g).

Loose footed mainsail

Standard mast rake: 800 MINIMUM

Foretriangle base J = 2930

Main foresail sheeting angle: 7 degrees

Bartels FEII foresail furler set below sheerline

Bolt rope luff on racing mainsail

Slides on cruising mainsail

2 asymmetrics:

Furlable 'fractional' asymmetric (~45 sq m)

Masthead asymmetric (~55 sq m)

Recommended alloy mast: Z Spars Z265

(or Z230 with additional reinforcement)

Recommended carbon mast: Selden C115

For mast dimensions, see 'BS800 mast dimensions 001.pdf'

NOTE that mast drawing shows facilities for only 2 reefs

