

# International 2.4metre Measurement Form



I Y R U

Name of Yacht..... *Susy* ..... IYRU Plaque Number... *0106* .....

Sail Number ..... *106* ..... Owner... *Bent Møller Sørensen* .....

Overall length		4.178	
Add Overhang Forward to L1	0.417		
Overhang Aft to L1	0.654		
Total Overhang	1.071	→ 1.071	
Measured Length (Overall length - Total Overhang)		3.107	
Girth at Bow	0.305		
Twice Vertical Height at Bow	0.240		
O at Bow	0.065		
Add 1/2 O at Bow	0.098	0.108	
Subtract Girth at Stern	0.888		
Twice vertical Height at Stern	0.520		
O at stern	0.368		
Add 1/3 O at Stern		0.123	
Add any penalty at O2		0.000	
Correct length, L	.	.	→ 3.338
Skin girth d to d1 Port	0.698		
- Chain girth d to d1 Port	-0.698		
= Girth difference Port	.	→ 0.000	
Skin girth d to d1 Starboard	0.698		
- Chain girth d to d1 Starboard	-0.698		
= Girth difference Starboard	.	→ 0.000	
Add Girth difference Port and Starboard		.	
2 x sum of Girth difference			0.000
Add to find sum of L + 2d			3.338
Add Mean freeboard Bow O	0.316		
Mean freeboard Midships D	+0.277		
Mean Freeboard Stern O & O2	+0.288		
Sum of Freeboards	0.881		
	0.294		
Subtract 1/3 sum Freeboard, F(max 0.292)	.	→	- 0.292
= L+2d-F			3.046
$\sqrt{S}$			2.642
Total of Measurements, L+2d-F+ $\sqrt{S}$			5.688

DANISH SAILING ASSOCIATION

Idrætstens Hus

DK-2605 Broendby *106 Susy*

Other Measurements recorded by measurer

KOPI

Overall Length	4.178
Overhang Forward to L	0.524
Overhang Aft to L	+ 0.654
Total Overhang (Sum overhang forward & aft)	1.178 → - 1.178
Waterline Length (Overall length - Total Overhang)	3.000
Beam at 1/3 Height of Midship Freeboard	0.785
Tumblehome	0.000
Minimum measured freeboard when ballasted and swamped in accordance with Rule 8.2	0.010
Weight recorded by weighing in measurer's presence (including 35kg ballast)	0.295 kg ton
Minimum weight required by Rule $(0.2 \times \text{LWL} + 0.06)^3$	0.288 kg ton

DANISH SAILING ASSOCIATION  
Icraeltens Hus  
DK-2605 Broendby

*Kol Stegaard*

## Sail Dimensions

A = 4.550

B = 2.000

I = 3.665

J = 1.560



## Areas of Sails

Mainsail  $0.5 \times P \times E$ Foretriangle Total  $(0.5 \times I \times J) =$ Foretriangle Total  $\times 0.85 =$ 

Sail Area for Rating = S =

 $\sqrt{S}$ 

	4.550 m <sup>2</sup>
2.859 m <sup>2</sup>	
	2.430 m <sup>2</sup>
	6.980 m <sup>2</sup>
	2.642

Builder *Bent M. Sørensen* Designer *Norlin* When built *-96*

Measured by *Bo W. Andersen* Date of measurement *12/5 - 96*