

International 2.4 metre Measurement Form

Sail Number ... GER 51

ISAF Plaque Number 608

Owner..... Hilko Kröger

Name of yacht

Overall length					4.180
Overhang Forward to L1				+ 0.430	
Overhang Aft to L1				+ 0.655	→ - 1.085
Total overhang					
Measured length					3.095
Girth at Bow				0.312	
Twice Vertical Height at Bow		O at Bow		- 0.240 →	0.072
1½ O at Bow					+ 0.108
Girth at Stern				0.898	
Twice Vertical Height at Stern		O at Stern		- 0.529 →	0.369
Add 1/3 O at Stern					+ 0.123
Add any penalty at O2		Sum of Girth difference			+ → + 3.326
Correct length, L					
Skin girth d to d1 Port					
Chain girth d to d1 Port			d Port	- → +	
Skin girth d to d1 Starboard					
Chain girth d to d1 Starb,			d Starboard	- → +	
d = d Port + d Starboard			2 x d		+
Add to find sum of L + 2d					
Mean freeboard Bow O				+ 0.327	
Mean freeboard Midships D				+ 0.291	
Mean freeboard Stern		Sum of freeboards		+ 0.298 →	0.916
F=1/3 sum of freeboards		F, max 0.292			- 0.292
= L + 2d - F					3.034
Penalty Displacement Rule D.7.2.		LWL			
Corr LWL	Difference	2 x difference		- →	+
Penalty Beam Rule D.7.3		Beam			
Min beam	Deficiency	4 x deficiency		- 0.720 →	+
\sqrt{S}					+ 2.654
Total of Measurements L + 2d - F + \sqrt{S}					5.688
Divide by 2.37 = RATING =					
Penalty Draft Rule D.7.1		Draft			
Max draft	Excess	3 x excess		- 1,000 →	+
Penalty Tumble home D.7.4		Tumble home			
Max Tumble home	Excess	3 x excess		- 0,015 →	+
FINAL RATING					2.400

Other Measurements recorded by measurer

Overall Length

Overhang Forward to L

Overhang Aft to L

Total Overhang (Sum overhang forward and aft)

Waterline Length (Overall Length - Total Overhang)

Minimum measured cockpit frame over water level when ballasted and swamped in accordance with rule C.5.2

Boat weight recorded by weighing according to rule C.5.1

Boat weight including 35 kg ballast

Minimum weight by Rule D.7.2 $(0.2 \times LWL + 0.06)^3 \times 1.025$

	4.180
+0.547	
+0.655	
→	-1.202
	2.978
	254 Kg
	289 Kg
	289 Kg

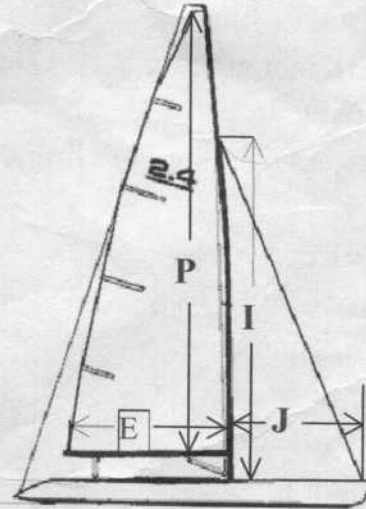
Sail Dimensions

P = 4.650

Outer point distance E = 1.960

Forestay height I = 3.750

Foretriangle base J = 1.560



Mast measurements checked	
Height of mast datum point Rule C.8.2 (b) (2)	
Boom measurements checked	
Rudder thickness, Rule E.4.3	

Areas of Sail

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}

	4.557 m ²
2.925 m ²	
	2.486 m ²
	7.043 m ²
	2.654

Builder Chango-Composites Designer Peter Norlin When Built 2008

Measured by Jens Hannemann, IM Date of Measurement 10.4.2008

Complementary measured by..... Date of compl measurement.....

Certificate issued by IM, Hannemann Date of issue 11.4.2008

name
CA
authority

signature Jens Hannemann
DSV-Vermesser.....
ISCYRA - Certified Measur
Gudewertstraße 36
D-24340 Eckernförde