

# International 2.4 metre Measurement Form

Sail Number **NED 57**

ISAF Plaque Number **968**

Owner **Dirk Jan de Broeijtes**

Name of yacht .....

Overall length

**4.181**

Overhang Forward to L1

**+0.432**

Overhang Aft to L1

Total overhang

**+0.659**

**→ -1.091**

Measured length

**3.090**

Girth at Bow

**0.316**

Twice Vertical Height at Bow

O at Bow

**-0.240 →**

**0.076**

1½ O at Bow

**+0.114**

Girth at Stern

**0.890**

Twice Vertical Height at Stern

O at Stern

**-0.522 →**

**0.368**

Add 1/3 O at Stern

**+0.122**

Add any penalty at O2

Sum of Girth difference

**+0.000 →**

**+0.236**

Correct length, L

**3.326**

Skin girth d to d1 Port

**0.731**

Chain girth d to d1 Port

d Port

**-0.731 →**

**+0.000**

Skin girth d to d1 Starboard

**0.732**

Chain girth d to d1 Starb,

d Starboard

**-0.732 →**

**+0.000**

d = d Port + d Starboard

2 x d

**0.000**

**+0.000**

Add to find sum of L + 2d

**3.326**

Mean freeboard Bow O

**+0.324**

Mean freeboard Midships D

**+0.296**

Mean freeboard Stern

Sum of freeboards

**+0.297 →**

**0.917**

F=1/3 sum of freeboards

F, max 0.292

**0.306**

**-0.292**

= L + 2d - F

**3.034**

Penalty Displacement Rule D.7.2.

LWL

**0.000**

Corr LWL

Difference

2 x difference

**-0.000 →**

**0.000**

**+0.000**

Penalty Beam Rule D.7.3

Beam

**0.765**

Min beam

Deficiency

4 x deficiency

**-0.720 →**

**0.000**

**+0.000**

$\sqrt{S}$

**+2.654**

Total of Measurements L + 2d - F +  $\sqrt{S}$

**5.688**

Divide by 2.37 = RATING =

**2.400**

Penalty Draft Rule D.7.1

Draft

**0.977**

Max draft

Excess

3 x excess

**-1.000 →**

**0.000**

**+0.000**

Penalty Tumble home D.7.4

Tumble home

**0.000**

Max Tumble home

Excess

3 x excess

**-0.015 →**

**0.000**

**+0.000**

**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

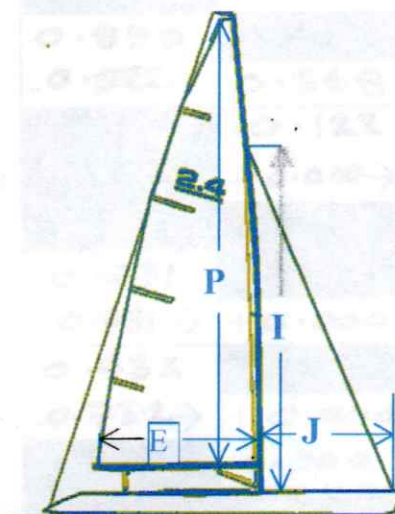
Minimum weight by Rule D.7.2  $(0.2 \times \text{LWL} + 0.06)^3 \times 1.025$

	4.181
+0.432	
+0.659	
→	-1.091
	3.090
	—
	253.5 Kg
	288.5 Kg
	288 Kg

## Sail Dimensions

Outer point distance  $P = 46.50$   
Forestay height  $E = 1.960$   
Foretriangle base  $I = 3.750$   
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 <sup>2</sup>
2.925 m <sup>2</sup>	
	2.406 m <sup>2</sup>
	7.043 m <sup>2</sup>
	2.654

*Signature*  
RYA official measurer  
14/12/2017

Builder *Charger Technology*

Designer *Peter Norlin*

When Built *2017*

Measured by *KEITH GORDON*

Date of Measurement *14/12/2017*

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

Certificate issued by ..... Date of issue.....

name

CA .....

authority

signature