

# International 2.4 metre Measurement Form

Sail Number NOR 69

ISAF Plaque Number SK. 158

Owner Bjørn Roar Pettessen

Name of yacht .....

Overall length						4.182
Overhang Forward to L1					+ 0.432	
Overhang Aft to L1					+ 0.655	→ -1.087
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				+ - → +0.231
Correct length, L						3.326
Skin girth d to d1 Port						
Chain girth d to d1 Port		d Port			-	→ + 0
Skin girth d to d1 Starboard						
Chain girth d to d1 Starb,		d Starboard			-	→ + 0
d = d Port + d Starboard		2 x d				+ 0
Add to find sum of L + 2d						3.326
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				0.305 - 0.292
= L + 2d - F						3.034
Penalty Displacement Rule D.7.2.		LWL				
Corr LWL		Difference		2 x difference	-	→ + 0
Penalty Beam Rule D.7.3		Beam				
Min beam		Deficiency		4 x deficiency	- 0,720	→ + 0
√S						+ 2.654
Total of Measurements L + 2d - F + √S						5.688
Divide by 2.37 = RATING =						2.400
Penalty Draft Rule D.7.1		Draft				
Max draft		Excess		3 x excess	- 1,000	→ + 0
Penalty Tumble home D.7.4		Tumble home				
Max Tumble home		Excess		3 x excess	- 0,015	→ + 0
<b>FINAL RATING</b>						<b>2.400</b>

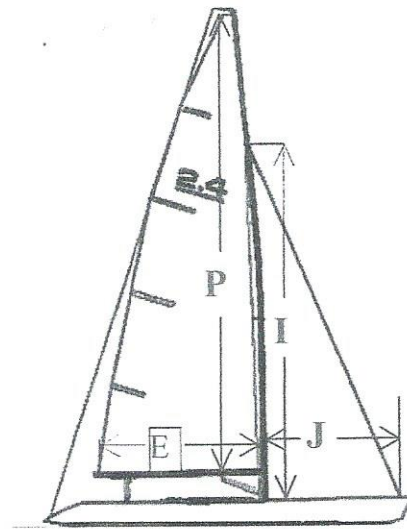
Other Measurements recorded by measurer

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  $(0.2 \times LWL + 0.06)^3 \times 1025$

	4.182
+ 0.549	
+ 0.655	
→ - 1.204	
	2.978
	255 Kg
	290 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 $0.5 \times P \times E =$	4.557 m <sup>2</sup>
Foretriangle Total $0.5 \times I \times J =$	2.925 m <sup>2</sup>
Foretriangle Total x 0.85	2.486 m <sup>2</sup>
Sail Area For Rating = S =	7.043 m <sup>2</sup>
$\sqrt{S}$	2.654

Builder Vene Björndahl Designer Peter Norlin When Built 1990

Measured by Esk. Hyypää Date of Measurement 6/10-1990

Complementary measured by H. Rolfsnes Date of compl measurement 6/9-2010

Certificate issued by Harald Rolfsnes Date of issue 30/4-2019

name  
 CA Norsk 2.4m R Klubb  
 authority

Harald Rolfsnes  
 signature

