

# International 2.4 metre Measurement Form

Sail Number NOR 82

ISAF Plaque Number SK. 352

Owner Erling Gangdal

Name of yacht .....

Overall length					4.182
Overhang Forward to L1	+ 0.432				
Overhang Aft to L1	+ 0.655			→ -1.087	
Total overhang					
Measured length					3.095
Girth at Bow	0.312				
Twice Vertical Height at Bow	- 0.240	→	0.072		
O at Bow			+ 0.108		
1½ O at Bow					
Girth at Stern	0.898				
Twice Vertical Height at Stern	- 0.529	→	0.369		
O at Stern			+ 0.123		
Add 1/3 O at Stern					
Add any penalty at O2			+ -	→	+ 0.231
Sum of Girth difference					
Correct length, L					3.326
Skin girth d to d1 Port					
Chain girth d to d1 Port	-	→	+ 0		
d Port					
Skin girth d to d1 Starboard					
Chain girth d to d1 Starb,	-	→	+ 0		
d Starboard					
d = d Port + d Starboard					+ 0
2 x d					
Add to find sum of L + 2d					3.326
Mean freeboard Bow O	+ 0.327				
Mean freeboard Midships D	+ 0.291				
Mean freeboard Stern	+ 0.298	→	0.916		
Sum of freeboards					
F=1/3 sum of freeboards			0.305		- 0.292
F, max 0.292					
= L + 2d - F					3.034
Penalty Displacement Rule D.7.2.					
LWL	2.978				
Corr LWL	-	→			+ 0
Difference					
2 x difference					
Penalty Beam Rule D.7.3					
Beam					
Min beam	- 0,720	→			+ 0
Deficiency					
4 x deficiency					
√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	- 1,000	→			+ 0
Excess					
3 x excess					
Penalty Tumble home D.7.4					
Tumble home					
Max Tumble home	- 0,015	→			+ 0
Excess					
3 x excess					
<b>FINAL RATING</b>					<b>2.400</b>

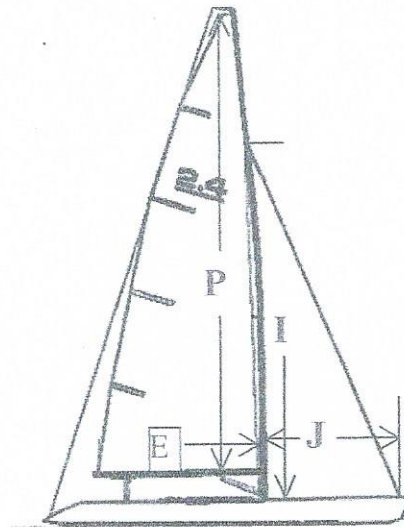
Other Measurements recorded by measurer

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

Outer point distance  $P = 4.650$   
 Forestay height  $E = 1.960$   
 Foretriangle base  $I = 3.750$   
 $J = 1.560$



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 $\times 0.85$	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 1993

Measured by Terje Nygaard Date of Measurement 3/7-1994

Complementary measured by H. Rolfsnes Date of compl measurement 2/9-2010

Certificate issued by Harald Rolfsnes Date of issue 10/11-2019

name Norsk 2.4m R Klubb  
 authority

signature Harald Rolfsnes

