



World Leader in Rating Technology

## 2018 ORC Club Certificate

**Rating Office**  
**Hellenic Sailing Federation**  
**Offshore Committee**  
**Επιτροπή**  
**Ανοικτής Θαλάσσης**  
**Ελληνικής**  
**Ιστιοπλοϊκής Ομοσπονδίας**

**Certificate**  
 Number **001166**  
 Issued On **13/4/2018**  
 ORC Ref **GRE01009440**  
 VPP Ver. **2018 1.00**  
 Valid until **28/2/2019**

**Crew Weight**

Default	524kg
Maximum	<b>460kg</b>
Minimum*	<b>345kg</b>

\*when applied by the NoR and SI  
 Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>715,9</b>	<b>0,8381</b>
Double H.OSN	<b>693,6</b>	<b>0,8651</b>
Non Spin GPH	<b>747,7</b>	<b>0,8025</b>
Non Spin OSN	<b>720,5</b>	<b>0,8327</b>

**Sails Limitations**

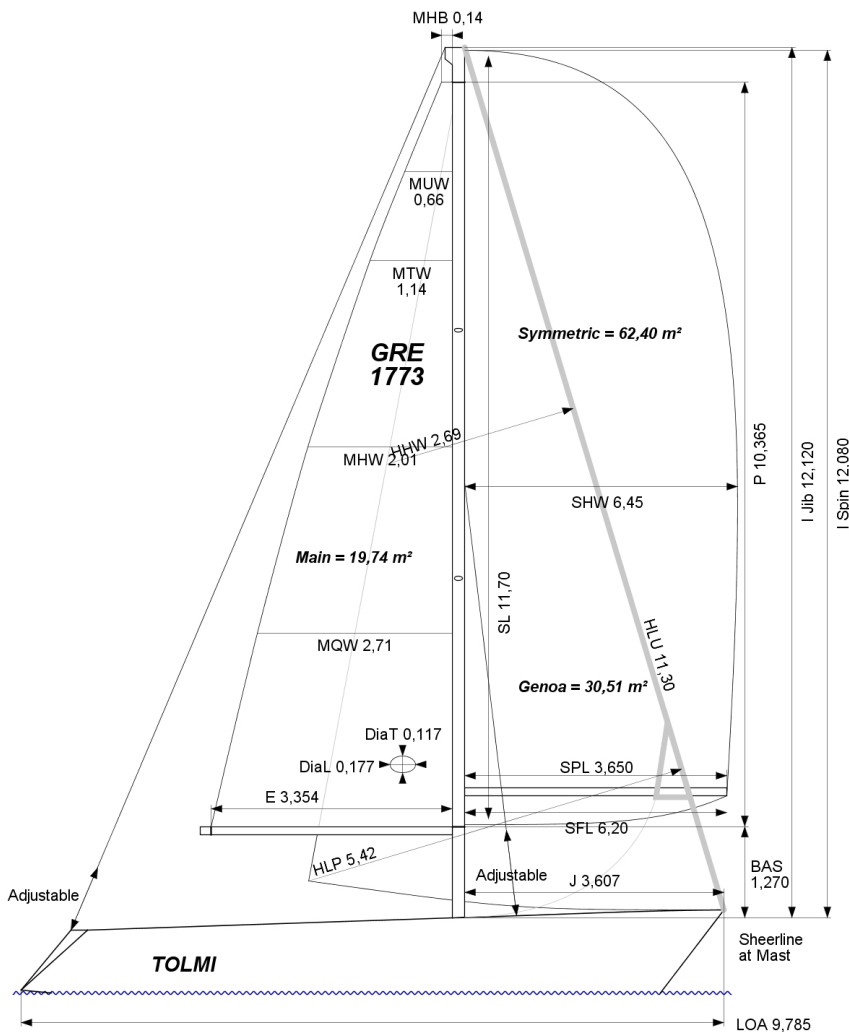
Headsails **1** Spinnakers **3**  
**Dacron Sails**

**Spinnaker configuration**  
 Symmetric: **Yes** **62,40**  
 Asymmetric: **No**  
 Flying H/S: **No**  
 Spin. Pole: **Yes**

**Class Division Length**  
 CDL = **7,531**

**Stability (Estimated)**  
 Limit Positive Stab.: **115,4°**  
 Stability Index: **116,4**

**Owner**



BOAT	GPH	HULL
Name <b>TOLMI</b> Sail Nr <b>GRE-1773</b>	<b>714,7</b>	Data File <b>GR1773</b> LOA <b>9,785m</b> Offset File <b>H107.BOF</b> MB <b>3,316m</b> Displacement <b>4,935kg</b> Draft <b>1,847m</b>
<b>CLASS</b> Class <b>FIRST 32</b> Designer <b>BERRET</b> Builder <b>BENETEAU</b> Series <b>01/1980</b> Age Date <b>01/1983</b> Age Allowance <b>0,487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0,492%</b> Fwd Accom. <b>Yes</b> Construction <b>Solid</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions <b>No</b>
<b>COMMENTS</b>		IMSL <b>8,513m</b> VCGD <b>-0,054m</b> Sink <b>15,29kg/mm</b> RL <b>6,547m</b> VCGM <b>0,026m</b> WS <b>21,43m²</b> LSM0 <b>8,264m</b> Displacement/Length ratio <b>8,7441</b>
<b>PROPELLER</b> Installation <b>Shaft exposed</b> PRD <b>0,380</b> Type <b>Folding 2 blades</b> PBW <b>0,080</b> PIPA <b>0,0014</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0,0000</b>
<b>SCORING OPTIONS</b>		<b>CENTERBOARD</b>  <b>N/A</b>
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>690,8</b>	<b>766,6</b>
Time on Time	<b>0,8685</b>	<b>0,8805</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>833,4 630,1 552,3</b>	<b>1067,2 777,4 654,3</b>
Time on Time	<b>0,8099 1,0712 1,2221</b>	<b>0,6325 0,8683 1,0317</b>

<b>BOAT</b>	
Name <b>TOLMI</b>	Sail Nr <b>GRE-1773</b>
File <b>GR1773</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Club Estimated VCG</b>			
Flotation date <b>11/04/2017</b>		SG	
FFM <b>1,147</b>	FF <b>1,147</b>	SFFP <b>0,280</b>	
FAM <b>0,875</b>	FA <b>0,875</b>	SAFP <b>8,855</b>	
LCF from stem on CL / on sheer		<b>5,408 / 5,657</b>	
Maximum beam station from stem		<b>5,910</b>	
RM Measured		<b>85,7kg·m</b>	
RM Default		<b>83,2kg·m</b>	
Limit of positive stability / Stab.Index		<b>115,4° / 116,4</b>	
Freeboard at mast at 3,607		<b>1,048</b>	

<b>RIG</b>			
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>		
Inner Stay <b>Adjustable</b>	Runners <b>0</b>		
Carbon Mast <b>No</b>	Jumper Struts <b>None</b>		
Taper Hollows <b>No</b>	Jib Furler <b>Yes</b>		
Fiber Rigging <b>No</b>	Main Furler <b>No</b>		
Lenticular Rigging <b>No</b>	Without Backstay <b>No</b>		
Articulated Bowsprit <b>No</b>			
P <b>10,365</b>	E <b>3,354</b>	MDT1 <b>0,117</b>	MW
IG <b>12,120</b>	J <b>3,607</b>	MDL1 <b>0,177</b>	GO
ISP <b>12,080</b>	SFJ <b>0,000</b>	MDT2	BD
BAS <b>1,270</b>	SPL <b>3,650</b>	MDL2	MWT
FSP <b>-3,000</b>	TPS	TL <b>-3,000</b>	MCG

<b>MIZZEN RIG AND SAILS</b>	
N/A	

<b>PROPELLER</b>			
Installation <b>Shaft exposed</b>	PRD <b>0,380</b>		
Type <b>Folding 2 blades</b>	PBW <b>0,080</b>		
Twin Screw <b>No</b>	PIPA <b>0,0014</b>		
PSA	PHL	ST3	ESL
PSD	ST1	ST4	
PHD	ST2	ST5	

<b>COMMENTS</b>	

<b>MOVABLE BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	



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### Measurements Datasheet

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<b>SAILS INVENTORY</b>																
<b>MAINSAIL (1)</b>																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0,142	0,66	1,14	2,01	2,71	19,74		04/06/2016		Dacron						
<b>HEADSAILS (1)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,05	0,65	1,32	2,69	4,07	5,42	11,30	150%	30,51				04/06/2016		Dacron	
<b>SYMMETRIC SPINNAKERS (1)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	11,70	11,70	11,70	6,45	6,20	62,40		04/06/2016	KAKITSIS	Unknown						
<b>ASYMMETRIC SPINNAKERS (0)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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## ORC Club Certificate Appendix

BOAT	
Name <b>TOLMI</b>	Certificate Number <b>001166</b>
Sail Nr <b>GRE-1773</b>	Issued On <b>13/4/2018</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1228,7</b>	<b>1022,2</b>	<b>908,1</b>	<b>825,2</b>	<b>777,8</b>	<b>757,7</b>	<b>751,3</b>
52°	<b>808,2</b>	<b>685,8</b>	<b>607,4</b>	<b>568,6</b>	<b>550,2</b>	<b>539,9</b>	<b>534,3</b>
60°	<b>768,3</b>	<b>653,8</b>	<b>584,3</b>	<b>554,1</b>	<b>537,9</b>	<b>527,1</b>	<b>518,4</b>
75°	<b>739,6</b>	<b>628,9</b>	<b>569,3</b>	<b>543,3</b>	<b>526,7</b>	<b>513,8</b>	<b>495,1</b>
90°	<b>748,0</b>	<b>627,8</b>	<b>558,3</b>	<b>530,7</b>	<b>514,9</b>	<b>508,0</b>	<b>484,1</b>
110°	<b>743,8</b>	<b>613,7</b>	<b>551,6</b>	<b>523,7</b>	<b>502,6</b>	<b>483,2</b>	<b>458,0</b>
120°	<b>764,5</b>	<b>630,3</b>	<b>558,9</b>	<b>528,5</b>	<b>506,5</b>	<b>485,4</b>	<b>448,6</b>
135°	<b>836,2</b>	<b>684,5</b>	<b>589,0</b>	<b>545,5</b>	<b>521,2</b>	<b>500,5</b>	<b>459,6</b>
150°	<b>975,7</b>	<b>772,8</b>	<b>658,7</b>	<b>581,5</b>	<b>544,4</b>	<b>522,0</b>	<b>483,4</b>
Run VMG	<b>1126,6</b>	<b>891,5</b>	<b>758,2</b>	<b>663,9</b>	<b>596,2</b>	<b>554,0</b>	<b>510,5</b>

Selected Courses							
Windward / Leeward	<b>1177,7</b>	<b>956,8</b>	<b>833,1</b>	<b>744,6</b>	<b>687,0</b>	<b>655,9</b>	<b>630,9</b>
Circular Random	<b>995,3</b>	<b>799,8</b>	<b>693,0</b>	<b>629,5</b>	<b>590,0</b>	<b>564,7</b>	<b>534,9</b>
Coastal / Long Distance	<b>1172,5</b>	<b>899,7</b>	<b>748,4</b>	<b>649,9</b>	<b>597,7</b>	<b>563,9</b>	<b>513,1</b>
Non Spinnaker	<b>1054,2</b>	<b>841,6</b>	<b>724,2</b>	<b>653,7</b>	<b>609,3</b>	<b>580,5</b>	<b>547,1</b>

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>42,8°</b>	<b>41,0°</b>	<b>40,9°</b>	<b>41,0°</b>	<b>39,4°</b>	<b>38,6°</b>	<b>38,5°</b>
Beat VMG	<b>2,93</b>	<b>3,52</b>	<b>3,96</b>	<b>4,36</b>	<b>4,63</b>	<b>4,75</b>	<b>4,79</b>
52°	<b>4,45</b>	<b>5,25</b>	<b>5,93</b>	<b>6,33</b>	<b>6,54</b>	<b>6,67</b>	<b>6,74</b>
60°	<b>4,69</b>	<b>5,51</b>	<b>6,16</b>	<b>6,50</b>	<b>6,69</b>	<b>6,83</b>	<b>6,94</b>
75°	<b>4,87</b>	<b>5,72</b>	<b>6,32</b>	<b>6,63</b>	<b>6,84</b>	<b>7,01</b>	<b>7,27</b>
90°	<b>4,81</b>	<b>5,73</b>	<b>6,45</b>	<b>6,78</b>	<b>6,99</b>	<b>7,09</b>	<b>7,44</b>
110°	<b>4,84</b>	<b>5,87</b>	<b>6,53</b>	<b>6,87</b>	<b>7,16</b>	<b>7,45</b>	<b>7,86</b>
120°	<b>4,71</b>	<b>5,71</b>	<b>6,44</b>	<b>6,81</b>	<b>7,11</b>	<b>7,42</b>	<b>8,02</b>
135°	<b>4,31</b>	<b>5,26</b>	<b>6,11</b>	<b>6,60</b>	<b>6,91</b>	<b>7,19</b>	<b>7,83</b>
150°	<b>3,69</b>	<b>4,66</b>	<b>5,47</b>	<b>6,19</b>	<b>6,61</b>	<b>6,90</b>	<b>7,45</b>
Run VMG	<b>3,20</b>	<b>4,04</b>	<b>4,75</b>	<b>5,42</b>	<b>6,04</b>	<b>6,50</b>	<b>7,05</b>
Gybe Angles	<b>147,6°</b>	<b>151,5°</b>	<b>153,8°</b>	<b>156,4°</b>	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>