

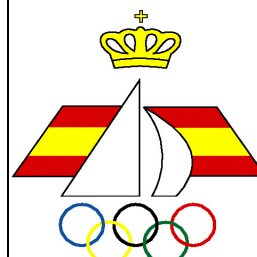


World Leader in Rating Technology

2017  
ORC Club  
Certificate

Oficina de emisión

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Certificado

Numero **45001**  
emitido **01/03/2017**  
ORC Ref **ESP00021810**  
VPP Ver. **2017 1.00**  
Valid hasta **31/12/2017**

Peso de tripulación

Declarado **140kg**  
Defecto **360kg**  
Winches electrico **No**

Special Scoring

	ToD	ToT
Red.GPH	<b>699,3</b>	<b>0,8580</b>
Red.OSN	<b>682,7</b>	<b>0,8788</b>
Sin Spin GPH	<b>743,2</b>	<b>0,8073</b>
Sin Spin OSN	<b>721,0</b>	<b>0,8322</b>

Limites de velas

Velas proa **5** Spinanker **3**

Configuración de Spinanker

Simetrico **No**  
Asimetrico **Si** **66,60**  
Volante H/S: **No**  
Tangón **No**

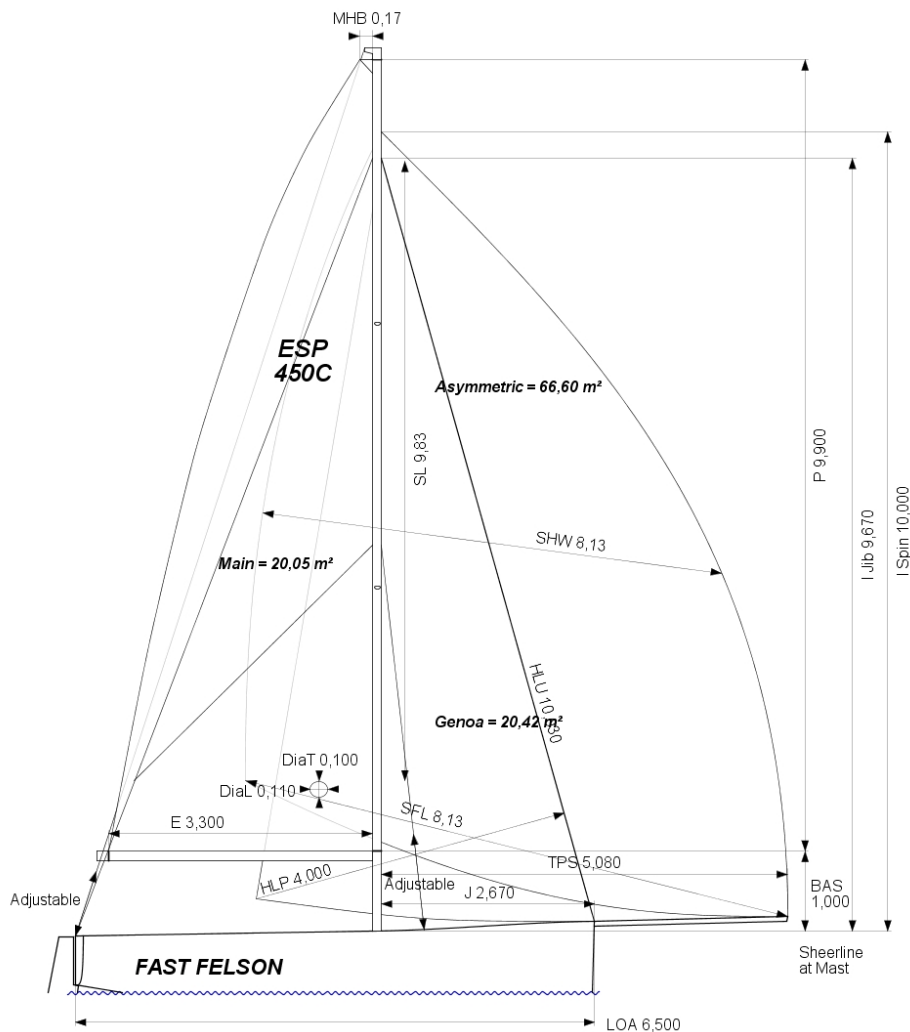
Class division Length

CDL = **6,416**

Stability (Estimated)

Limit Positive Stab.: **128,0°**  
Indice de estabilidad **120,0**

Armador



<b>BARCO</b>		<b>GPH</b>		<b>casco</b>	
Nombre <b>FAST FELSON</b> N. Vela <b>ESP-450_C</b>		<b>701,4</b>		Fichero dxt <b>E450_C</b>	LOA <b>6,500m</b>
				Fichero Casco <b>mini650.off</b>	Manga <b>3,048m</b>
				Desplazamient <b>1.237kg</b>	Calado <b>1,603m</b>
<b>MODELO</b>				Division IMS <b>Regata</b>	Dynamy c All. <b>0,000%</b>
Modelo <b>MINI ZERO 650</b>				Acom. Proa <b>Si</b>	Construcción <b>Fibra</b>
Diseñador <b>MARC LOMBARD</b>				Aparejo Fibra <b>No</b>	Nido de Abeja <b>No</b>
Constructor <b>ZERO</b>				Crew Arm Ex	Timón Carbono <b>No</b>
Fecha de la Serie <b>01/2003</b>					Pulpitos ligeros <b>No</b>
fecha de Botadura <b>02/2003</b>				IMSL <b>6,457m</b>	VCGD <b>-0,608m</b>
Bonificación <b>0,455%</b>				RL <b>6,374m</b>	VCGM <b>-0,638m</b>
				LSM0 <b>6,348m</b>	Displacement/Length ratio <b>4,8357</b>
<b>Comentario</b>				Tanque <b>0</b>	Trim Tab <b>No</b>
MEDIDAS ESTIMADAS.				<b>Centerboard</b>	
				N/A	
<b>Helice</b>					
Tipo <b>No Helice</b>					

Opciones de clasificaciones						
Tiempo x Distancia	COSTERA/LARGA DISTANCIA			Barlovento/Sotavento		
		<b>685,3</b>			<b>779,3</b>	
Tiempo x Tiempo	<b>0,8755</b>			<b>0,8662</b>		
Triple Number	Bajo	Medio	Alto	Bajo	Medio	Alto
Time on Distance	<b>789,8</b>	<b>628,8</b>	<b>546,1</b>	<b>1011,8</b>	<b>780,9</b>	<b>679,5</b>
Time on Time	<b>0,8547</b>	<b>1,0734</b>	<b>1,2361</b>	<b>0,6671</b>	<b>0,8644</b>	<b>0,9934</b>



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# 2017

## ORC Club Certificate Appendix

<b>BARCO</b>	
Nombre	<b>FAST FELSON</b>
N. Vela	<b>ESP-450_C</b>
Número certificado	<b>45001</b>
emitido	<b>01/03/2017</b>

<b>VPP S/M</b>							
Velocidad del viento	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1172,1</b>	<b>982,1</b>	<b>876,8</b>	<b>836,4</b>	<b>819,4</b>	<b>813,8</b>	<b>800,7</b>
52°	<b>770,2</b>	<b>661,1</b>	<b>612,7</b>	<b>590,0</b>	<b>579,8</b>	<b>571,8</b>	<b>561,5</b>
60°	<b>730,7</b>	<b>638,2</b>	<b>596,5</b>	<b>567,5</b>	<b>552,3</b>	<b>542,7</b>	<b>531,1</b>
75°	<b>699,5</b>	<b>623,0</b>	<b>583,2</b>	<b>544,3</b>	<b>514,3</b>	<b>499,5</b>	<b>483,0</b>
90°	<b>684,4</b>	<b>602,2</b>	<b>558,0</b>	<b>535,5</b>	<b>508,7</b>	<b>477,0</b>	<b>433,3</b>
110°	<b>678,7</b>	<b>596,9</b>	<b>544,0</b>	<b>496,2</b>	<b>468,4</b>	<b>444,9</b>	<b>395,1</b>
120°	<b>702,2</b>	<b>607,1</b>	<b>555,3</b>	<b>505,8</b>	<b>455,3</b>	<b>415,1</b>	<b>359,9</b>
135°	<b>775,9</b>	<b>646,1</b>	<b>586,6</b>	<b>539,1</b>	<b>493,7</b>	<b>445,2</b>	<b>321,7</b>
150°	<b>905,9</b>	<b>733,8</b>	<b>642,2</b>	<b>598,0</b>	<b>565,0</b>	<b>525,3</b>	<b>394,1</b>
Run VMG	<b>1046,0</b>	<b>847,4</b>	<b>741,6</b>	<b>688,4</b>	<b>627,3</b>	<b>589,8</b>	<b>455,0</b>
<b>Recorridos</b>							
Barlovento/Sotavento	<b>1109,1</b>	<b>914,7</b>	<b>809,2</b>	<b>762,4</b>	<b>723,4</b>	<b>701,8</b>	<b>627,8</b>
Circular random	<b>951,3</b>	<b>776,3</b>	<b>682,6</b>	<b>626,4</b>	<b>588,0</b>	<b>557,4</b>	<b>503,4</b>
Ocean for PCS	<b>1160,1</b>	<b>907,0</b>	<b>763,7</b>	<b>672,8</b>	<b>608,4</b>	<b>556,9</b>	<b>472,2</b>
Sin Spinaker	<b>1025,1</b>	<b>828,0</b>	<b>721,5</b>	<b>658,4</b>	<b>617,4</b>	<b>588,1</b>	<b>543,7</b>

<b>Predicción de Velocidad en Nudos para Viento Real</b>							
Velocidad del viento	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>43,1°</b>	<b>41,3°</b>	<b>39,6°</b>	<b>38,8°</b>	<b>38,2°</b>	<b>38,5°</b>	<b>38,1°</b>
Beat VMG	<b>3,07</b>	<b>3,67</b>	<b>4,11</b>	<b>4,30</b>	<b>4,39</b>	<b>4,42</b>	<b>4,50</b>
52°	<b>4,67</b>	<b>5,45</b>	<b>5,88</b>	<b>6,10</b>	<b>6,21</b>	<b>6,30</b>	<b>6,41</b>
60°	<b>4,93</b>	<b>5,64</b>	<b>6,03</b>	<b>6,34</b>	<b>6,52</b>	<b>6,63</b>	<b>6,78</b>
75°	<b>5,15</b>	<b>5,78</b>	<b>6,17</b>	<b>6,61</b>	<b>7,00</b>	<b>7,21</b>	<b>7,45</b>
90°	<b>5,26</b>	<b>5,98</b>	<b>6,45</b>	<b>6,72</b>	<b>7,08</b>	<b>7,55</b>	<b>8,31</b>
110°	<b>5,30</b>	<b>6,03</b>	<b>6,62</b>	<b>7,25</b>	<b>7,69</b>	<b>8,09</b>	<b>9,11</b>
120°	<b>5,13</b>	<b>5,93</b>	<b>6,48</b>	<b>7,12</b>	<b>7,91</b>	<b>8,67</b>	<b>10,00</b>
135°	<b>4,64</b>	<b>5,57</b>	<b>6,14</b>	<b>6,68</b>	<b>7,29</b>	<b>8,09</b>	<b>11,19</b>
150°	<b>3,97</b>	<b>4,91</b>	<b>5,61</b>	<b>6,02</b>	<b>6,37</b>	<b>6,85</b>	<b>9,14</b>
Run VMG	<b>3,44</b>	<b>4,25</b>	<b>4,85</b>	<b>5,23</b>	<b>5,74</b>	<b>6,10</b>	<b>7,91</b>
Gybe Angle	<b>146,7°</b>	<b>148,2°</b>	<b>148,9°</b>	<b>174,8°</b>	<b>177,0°</b>	<b>177,4°</b>	<b>134,8°</b>