



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office
Novokolonizskii av. 11-70
St-Petersburg
197375 Russia

TEST!

NOT VALID FOR RACE!

Certificate

Number **009/18**
Issued On **27.09.2018**
ORC Ref **RUS00009614**
VPP Ver. **2018 1.00**
Valid until **31.12.2018**

Crew Weight

Default 413kg
Maximum **350kg**
Minimum* **263kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	643,7	0,9322
Double H.OSN	634,4	0,9457
Non Spin GPH	671,3	0,8938
Non Spin OSN	653,4	0,9183

Sails Limitations

Headsails **5** Spinnakers **3**

Spinnaker configuration

Symmetric: **No**
Asymmetric: **Yes** **63,37**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = **7,318**

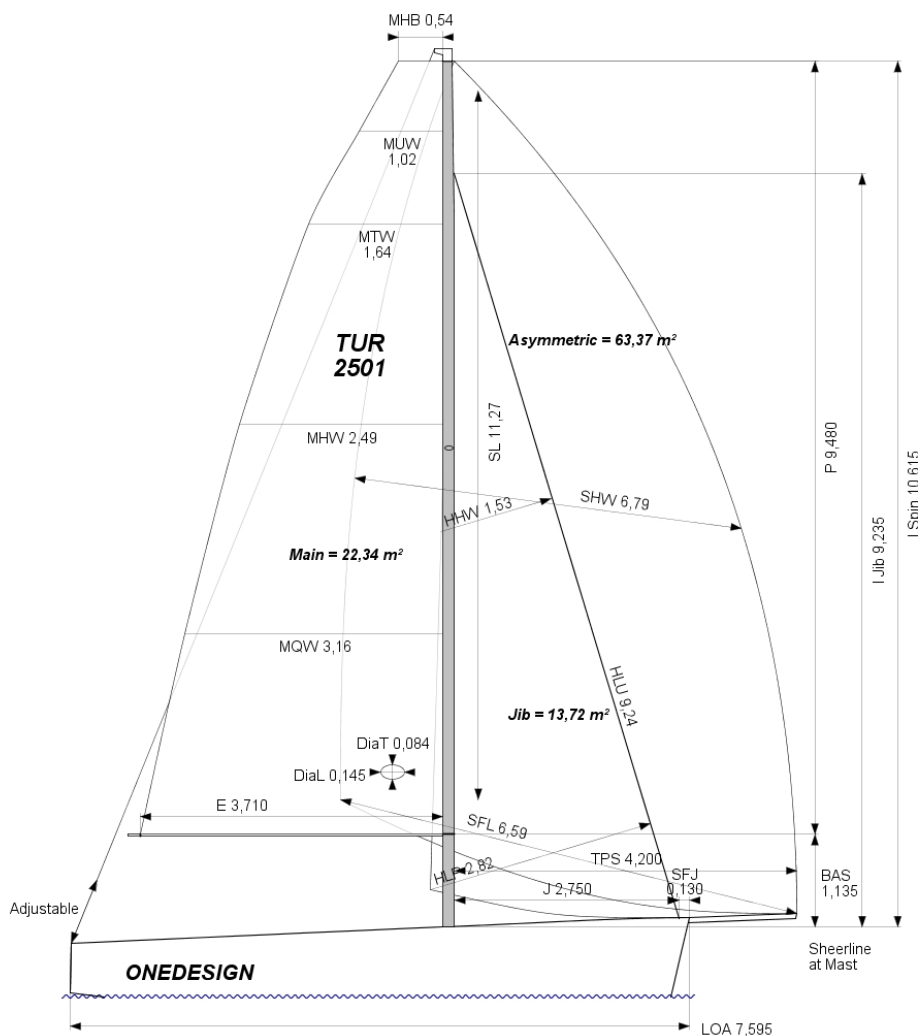
Stability (Measured)

Limit Positive Stab.: **122,9°**
Stability Index: **114,7**

Owner

I certify that I understand my responsibilities under ORC Rules and

Signature



BOAT	GPH	HULL
Name OneDesign Sail Nr TUR-2501	625,6	Data File TUR2501_CEXT0 LOA 7,595m Offset File Farr25i.off MB 2,502m Displacement 927kg Draft 1,789m
CLASS Class Farr 25 OD Designer Farr Builder OD Yachting Series 01.2008 Age Date 01.2009 Age Allowance 0,325%		IMS Division Sportboat Dynamic All. 0,000% Fwd Accom. No Construction Cored Fiber No Aramid Core No Crew Arm Ex 0,00 Carbon Rudder Yes Light Stanchions No
COMMENTS		IMSL 7,367m VCGD -0,260m Sink 8,35kg/mm RL 7,268m VCGM -0,252m WS 10,74m² LSM0 6,984m Displacement/Length ratio 2,7212
PROPELLER Type No Propeller		Water Ballast 0 Trim Tab No BLR Index 0,0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	610,7	691,3
Time on Time	0,9825	0,9765
Triple Number	Low Medium High	Low Medium High
Time on Distance	696,3 563,2 493,6	889,6 701,1 607,9
Time on Time	0,9694 1,1985 1,3675	0,7588 0,9628 1,1103

BOAT	
Name OneDesign	Sail Nr TUR-2501
File TUR2501_CEXT0	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 16.09.2018		SG 1,0080	
FFM 0,957	FF 0,959	SFFP 0,145	
FAM 0,657	FA 0,659	SAFP 7,580	
W1 25,6	PD1 602,0	WD 7,125	
W2 25,6	PD2 602,0	GSA 1,0	
W3 25,6	PD3 602,0	RSA 1,0	
W4 25,6	PD4 602,0	PLM 9000,	
LCF from stem on CL / on sheer		4,225 / 4,384	
Maximum beam station from stem		5,365	
RM Measured		23,9kg·m	
RM Default		25,7kg·m	
Limit of positive stability / Stab.Index		122,9° / 114,7	
Freeboard at mast at 2,880		0,854	

RIG			
Forestay Tension Aft	Spreaders 1		
Inner Stay None Fitted	Runners 0		
Carbon Mast Yes	Jumper Struts None		
Taper Hollows No	Jib Furler No		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 9,480	E 3,710	MDT1 0,084	MW 0,135
IG 9,235	J 2,750	MDL1 0,145	GO 0,152
ISP 10,615	SFJ 0,130	MDT2 0,064	BD 0,015
BAS 1,135	SPL	MDL2 0,110	MWT 40,50
FSP 0,090	TPS 4,200	TL 1,890	MCG 3,910

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



2018
Measurements
Datasheet

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SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment					
M2	0,540	1,02	1,64	2,49	3,16	22,23		12.09.2018		Kevlar						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measure	Meas.Dat	Manufacturer	Material	Comment
J1	0,09	0,43	0,81	1,53	2,19	2,82	9,24	103%	13,73	Y			12.09.2018		Kevlar	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment					
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Dat	Manufacturer	Material	Comment				
AS2	12,10	10,43	11,27	6,79	6,59	63,37	asym		12.09.2018		Nylon					



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ORC Club Certificate Appendix

BOAT	
Name	OneDesign
Sail Nr	TUR-2501
Certificate Number	009/18
Issued On	27.09.2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1024,3	843,6	793,2	783,3	779,6	770,7	783,8
52°	673,7	582,4	559,9	552,6	549,8	541,2	539,2
60°	638,3	567,5	540,6	529,6	524,3	515,7	507,2
75°	615,9	556,5	515,2	490,5	479,0	473,1	453,3
90°	606,8	553,3	512,8	468,6	440,4	426,7	413,8
110°	599,1	528,6	485,9	456,3	428,5	405,3	352,9
120°	612,3	535,3	474,7	435,7	407,3	380,4	337,2
135°	686,8	569,6	508,9	449,2	392,1	345,9	295,2
150°	815,9	648,0	567,2	514,3	459,8	405,6	299,5
Run VMG	942,2	748,2	655,4	593,9	530,9	468,4	345,8
Selected Courses							
Windward / Leeward	983,3	795,9	724,3	688,6	655,3	619,5	564,8
Circular Random	844,2	690,3	609,0	560,9	528,5	503,7	465,1
Coastal / Long Distance	979,2	751,9	654,6	592,9	548,3	505,0	436,8
Non Spinnaker	924,4	746,7	651,7	596,0	560,1	534,5	498,0

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	42,5°	40,5°	38,4°	38,7°	38,8°	38,7°	40,2°
Beat VMG	3,51	4,27	4,54	4,60	4,62	4,67	4,59
52°	5,34	6,18	6,43	6,52	6,55	6,65	6,68
60°	5,64	6,34	6,66	6,80	6,87	6,98	7,10
75°	5,85	6,47	6,99	7,34	7,51	7,61	7,94
90°	5,93	6,51	7,02	7,68	8,18	8,44	8,70
110°	6,01	6,81	7,41	7,89	8,40	8,88	10,20
120°	5,88	6,73	7,58	8,26	8,84	9,46	10,68
135°	5,24	6,32	7,07	8,01	9,18	10,41	12,19
150°	4,41	5,56	6,35	7,00	7,83	8,88	12,02
Run VMG	3,82	4,81	5,49	6,06	6,78	7,69	10,41
Gybe Angles	143,4°	147,6°	150,9°	148,2°	145,1°	143,6°	143,9°