

Mast Builder: Neb-sails Ky

Build date: 2018

ISAF Plaque Boat Number: 981

Norlin OD Boat Number: 262

Item #	Rule	Item to be checked	Requirements	Measurement result	Comments
Mast					
100	F.3.1	Mast material	Aluminium	yes	
101	F.3.2(a)	Mast construction	Fixed sail groove	yes	
102	F.3.3(a)	Mandatory fittings	All installed	yes	
103	F.2.4(a)	Mast datum point	Clearly marked by a punsch	yes	
104	F.3.4	Forestay height	$h < 3750\text{mm}$	3750	
105	C.9.5(a)	Mast curvature	$< 30\text{mm}$	0	
106	F.3.4	Mast cross sections top	Fore/aft $28\text{mm} < d < 66\text{mm}$	52	
107	F.3.4		Transv $> 24\text{mm}$	33	
108	F.3.4	Datum point - 3500mm	Fore/aft $56\text{mm} < d < 66\text{mm}$	65	
109	F.3.4		Transv $> 38\text{mm}$	52	
110	F.3.4	Lower point height	$340\text{mm} < h < 350\text{mm}$	350	
111	F.3.4	Upper point height	$4990\text{mm} < h < 5000\text{mm}$	5000	
112	F.3.4	Lower to upper point	$4630\text{mm} < h < 4650\text{mm}$	4650	
113	F.3.4	Shroud height	$3770\text{mm} < h < 4000\text{mm}$	3980	
114	F.3.4	Spreader length	$200\text{mm} < l < 350\text{mm}$	238	
115	F.3.4	Spreader height	$1950\text{mm} < h < 2050\text{mm}$	2040	
116	F.3.5	Mast weight	$6,5\text{kg} < h$	7,6	
117		Mast tip weight	$> 2,0\text{kg}$	2,7	
118	F.7.1	Shrouds material	Stainless steel	yes	
119	F.8.2(a)	Running rigging mandatory	Maximum acc to C.9.10(c) (1)	yes	
Boom					
130	F.4.1	Boom material	Aluminium	yes	
131	F.4.2	Boom construction	With or without groove	with	
132	C.9.6(a)	Outer point distance	$< 1960\text{mm}$	1960	
133	F.4.4	Boom cross section	Vertical $> 75\text{mm}$	65	
134	F.4.4		Transverse $27\text{mm} < d < 55\text{mm}$	52	
135	C.9.6(b)(1)	Boom position on mast	As per Rule	yes	
Whisker Pole					
140	F.5.2	Whisker pole material	Aluminium	yes	
141	F.5.5	Whisker pole length	$< 2106\text{mm}$	2065	
142	F.5.5	Whisker pole diameter	$> 22\text{mm}$	25	

Date and place of measurement:

17.2.-18 Kollkola

Signature of measurer:



Name of measurer:

Richard Björström

Measurement form Mast Booms V3 2017-06-14

Builder: Charger Technology

Build date: 07.02.2018

Hull Number: CT-17-034

ISAF Plaque Number: 981

Norlin OD Number: 262

Please, observe that it is necessary to present a valid 2.4mR Certificate in order to get a 2.4 Norlin One Design certificate.

Item #	Rule	Item to be checked	Requirements	Measurement result	Comments
K.3 Checking against templates					
40	Hull	Vertical section 0	clearance 2 -4mm	yes	
41	Hull	Vertical section 2	clearance 2 -4mm	yes	
42	Hull	Vertical section 4	clearance 2 -4mm	yes	
43	Stern	100mm part in centre	clearance 0 -2mm	yes	
44	Keel	Vertical section 2	clearance 2 -4mm	yes	
45	Keel	Horiz sect 75mm b BL	clearance 2 -4mm	yes	
46	Keel	Horiz sect 400mm b BL	clearance 2 -4mm	yes	
47	Keel	Trailing edge	clearance 0-1mm	yes	
48	Rudder	Standard, profile	clearance 1 -5mm	yes	
49	Rudder	Standard, section 200	clearance 0-1mm	yes	
50	Rudder	Standard, section 400	clearance 0-1mm	yes	
51	Rudder	Standard, section 600	clearance 0-1mm	yes	
52	N/A				
53	N/A				
54	N/A				
55	Rudder	Trailing edge	clearance 0 - 1mm	yes	
Additional checks of dimensions given on drawing nr J1, J2, J5, J6					
60	Hull	Over all length	$4175 \leq l \leq 4183\text{mm}$	4178	
61	Hull	Beam section 0	$536 \leq l \leq 542\text{mm}$	537	
62	Hull	Beam section 2	$800 \leq l \leq 808\text{mm}$	802	
63	Hull	Beam section 4	$302 \leq l \leq 309\text{mm}$	302	
64	Hull	Aft end to section 0	$645 \leq l \leq 651\text{mm}$	646	
65	Deck	Mast hole to sect 0	$l \leq 2043\text{mm}$	2032	
66	Deck	Shroud hole to sect 0	$1902 \leq l \leq 1982\text{mm}$	1902	
67	Deck	Shroud hole to Centre L	$240 \leq l \leq 268\text{mm}$	254	
68	Deck	Stem to forestayextension	intersect w deck $0 \leq l \leq 80\text{mm}$	20	
69	Keel	Girth around keel	$\leq 2752\text{mm}$	2735	

Date and place of measurement: 17.2.-18 Kaskela

Signature of measurer:



Name of measurer:

Rikard Bjurström

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ISAF Plaque Number: 981

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Item #	Rule	Item to be checked	Requirements	Measurement result	Comments
Hull					
1	N/A				
2	N/A				
3	N/A				
4	D.2.4(c)	Holes in hull and deck	According to rule	yes	
5	N/A				
6	D.2.5(b)	Hull datum section	Marked on deck and sheer line	yes	
7	D.2.6(a)	ISAF Plaque	Placed in the cockpit	yes	
8	D.2.6(b)	2.4 NOD Class sticker	Placed in the cockpit	yes	
9	D.2.6(c)	Builders information	Placed in the cockpit	yes	
10	D.3.1(a)	ICA Builder Declaration		yes	
11	C.6.1(a)	Boat weight, incl sails	Weight 253 - 254kg	254	
12	C.6.1(b)	Balance point (C of G)	Distance fr sect 0 1343-1371mm	1354	
13	D.5.1(a)	Buoyancy material	Non-com. Air cell foam plastic	yes	
14	D.5.1(b)	Watertight Compartments	Shall be inspectable	yes	
15	D.7.1(a)	Mandatory fittings	All fittings installed	yes	
16	D.7.1(a)(5)	Foretriangle base	Fitting or devise installed	1536	
17	D.7.1(c)(1)	Fitting on outside of hull	No fittings permitted on outside	no	
18	N/A				
19	C.9.9(b)(1)	Adjustable shrouds	According to rule	yes	
Ballast					
30	C.7.3(b)	Ballast	Weight ≤ 181kg incl battery	181	
31	C.7.3(b)	Ballast	Is Battery included in ballast?	yes	
32	D.8.3	Internal ballast	According to D.8.3 (a)(b)(c)	yes	
33	C.6.2	Corrector Weights		yes	4,2 kg

Date and place of measurement:

17.2.18 Koldkoln

Signature of measurer:



Name of measurer:

Richard Bjurström