

2.4 Norlin One Design Class OLD BOATS				
Measurements in order to approve 2.4OD boats built BEFORE 2011-03-01				
Measurement Report Old Boats			Checks acc to CR Section K	
ISAF Plaque number:		Sail number:		
Rule	Item to be checked	Requirements	Measurem result	Comments
K.1.1	Building year	Before 2011		
K.1.3	Hull Certificate	Valid 2.4mR certificate		
K.1.2	Way of building the hull	Built in moulds from orig plug		
D.2.3(a)	Hull outside alteration	The shape must not be altered		
D.2.3(c)	Holes in hull and deck	According to rule		
D.2.3(e)	Repair of hull	According to rule		
D.2.4(b)	Hull datum section	Marked on deck and sheer line		
D.2.5	ISAF Plaque	Placed in the cockpit		
D.3.1	Building materials	According to Construction Manual		
D.3.2	Hull construction	Additional external filler removed		
C.6.1(a)	Boat weight	Weight 253 - 254kg	kg	
D.6.2(b)	Seat not incl in weight	CoG < 300 from sheer line	mm	
C.6.1(b)	Balance point (C of G)	Distance fr sect 0 1343-1371mm	mm	
C.7.3	Ballast	Weight \leq 181kg incl battery	kg	
C.7.3	Ballast	Battery is included in ballast		
	Ballast	Weight of topmost ballast pig	kg	
D.8.3	Internal ballast	According to D.8.3 (a) - (c)		
D.5.1(a)	Buoyancy material	Non-com. Air cell foam plastic		
D.5.1(d)	Compartments	Shall be inspectable		
D.7.1(a)	Mandatory fittings	All fittings installed		
D.7.1(10)	Foretriangle base	Fitting or devise installed	mm	
D.7.1(c)	Fittings construction	Distance from stem acc drw ?	mm	
D.7.1(c)	Fitting on outside of hull	No fittings permitted on outside		
C.9.5(b)(1)	Mast step	Movement <10mm athwartships	mm	
C.8.3	Kind of rudder	Small rudder permitted		
C.9.5(b)(2)	Mats datum point	Dist to deck measur point <36mm	mm	
C.9.9(a)	Adjustable shrouds	According to rule		
F.2.4	Mast datum point	3750mm from rigging point		
C.9.5(a)	Mast curvature	< 30mm	mm	
F.3.1	Mast material	Aluminium		
F.3.2	Mast construction	Fixed sail groove		
F.3.3	Mandatory fittings	All installed		
F.3.4	Mast cross sections top	Fore/aft $28\text{mm} \leq d \leq 66\text{mm}$	mm	
		Transv $\geq 28\text{mm}$	mm	
	Datum point - 3500mm	Fore/aft $56\text{mm} \leq d \leq 66\text{mm}$	mm	
		Transv $\geq 38\text{mm}$	mm	
	Lower point height	$350\text{mm} \leq h \leq 360\text{mm}$	mm	
	Upper point height	$4990\text{mm} \leq h \leq 5000\text{mm}$	mm	
	Lower to upper point	$4630\text{mm} \leq h \leq 4650\text{mm}$	mm	
	Forestay height	$3750\text{mm} \leq h \leq 3750\text{mm}$	mm	
F.3.5	Mast weight	$6,5\text{kg} \leq h \leq 7,5\text{kg}$	kg	
	Mast tip weight	$\geq 2,0\text{kg}$	kg	
F.4.1	Boom material	Aluminium or wood		
F.4.2	Boom construction	With or without groove		
F.4.4	Outer point distance	< 1960mm	mm	
	Boom cross section	Vertical $\geq 75\text{mm}$	mm	
		Transverse $27\text{mm} \leq d \leq 55\text{mm}$	mm	

C.9.6(b)	Boom position on mast	Over side at lower point	mm	
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Rule	Item to be checked	Requirements	Measurem result	Comments
F.5.2	Whisker pole material	Aluminium	mm	
F.5.5	Whisker pole length	$\leq 2109\text{mm}$	mm	
	Whisker pole diameter	$\geq 22\text{mm}$	mm	
F.7.1	Shrouds material	Stainless steel		
F.7.2	Without lower shrouds	Mast built <2011-01-01 accepts		
F.8.2(a)	Running rigging mandato	Maximum acc to C.9.10(c) (1)		
F.8.2(b)	Running rigging optional	Maximum acc to C.9.10(c) (2)		
C.9.10(d)	Mainsail sheet	Only one sheet is permitted		
K.3	Checking against templates			
Hull	Vertical section 0	clearance 2 -4mm		
Hull	Vertical section 2	clearance 2 -4mm		
Hull	Vertical section 4	clearance 2 -4mm		
Stern	100mm part in centre	clearance 0 -2mm		
Keel	Vertikal section 2	clearance 2 -4mm		
Keel	Horiz sect 75mm b BL	clearance 2 -4mm		
Keel	Horiz sect 400mm b BL	clearance 2 -4mm		
Keel	Trailing edge	clearance 0-1mm		
Rudder	Standard, profile	clearance 1 -5mm		
Rudder	Standard, section 200	clearance 0-1mm		
Rudder	Standard, section 400	clearance 0-1mm		
Rudder	Standard, section 600	clearance 0-1mm		
Rudder	Small, profile	clearance 1 -5mm		
Rudder	Small, section 1	clearance 0 -2mm		
Rudder	Small, section 2	clearance 0 -2mm		
Rudder	Trailing edge	clearance 0 - 1mm		
Additional checks of dimensions given on drawing nr J1, J2, J5, J6, J7				
Hull	Over all length	$4175 \leq l \leq 4183\text{mm}$	mm	
Hull	Beam section 0	$536 \leq l \leq 542\text{mm}$	mm	
Hull	Beam section 2	$800 \leq l \leq 808\text{mm}$	mm	
Hull	Beam section 4	$302 \leq l \leq 309\text{mm}$	mm	
Hull	Aft end to section 0	$645 \leq l \leq 651\text{mm}$	mm	
Deck	Mast hole to sect 0	$l \leq 2043\text{mm}$	mm	
Deck	Shroud hole to sect 0	$1810 \leq l \leq 1920\text{mm}$	mm	
Deck	Shroud hole to Centre L	$240 \leq l \leq 270\text{mm}$	mm	
Deck	Stem to forestayextension	intersect w deck $0 \leq l \leq 80\text{mm}$	mm	
Keel	Girth around keel	$\leq 2752\text{mm}$	mm	
Flotation	Flotation check done	Date of current check	date	
Date and place of measurement:				
Signature of measurer:		Name of measurer:		