



INTERNATIONAL TORNADO CLASS

Date of International Status: May 1968
Authority: International Sailing Federation



Measurement Form :: Section D - Hulls

HULL # :

Owner	Builder
Name & Address:	Builder :
	Represented
	by :
	Declaration to be signed by the Builder :
	<i>I certify that this equipment has been constructed according to the class rules of the International Tornado Class.</i>
	Signature of Builder : Date :

Measurement

Declaration to be signed by the Measurer :

I certify that I have measured this equipment, that the particulars on this form are correct, and the equipment complies with the class rules of the International Tornado Class.

Measurer Signature(s) :

Item No.	Rule No.	Description	Min	Actual		Max
				Port	Stbd	
BEAMS						
MAIN BEAM						
1	D.4.3.a	Beam is straight, constant section, aluminium alloy tube, ends perpendicular to length				
2	D.4.4	Wall thickness	2			2.35
3	D.4.4	Major Diameter	130			135
4	D.4.4	Minor Diameter	90			91
5	D.4.4	Corner Radius	45			-
6	D.4.4	Strut diameter	24			-
7	D.4.4	Main Beam Tie thickness	3			-
8	D.4.4	Main Beam Tie leading edge radius	-			1.5
REAR BEAM						
9	D.4.3.a	Beam is straight, constant section, aluminium alloy tube, ends perpendicular to length				
10	D.4.4	Wall thickness, excluding traveller track	2			2.35
11	D.4.4	Major Diameter	130			135
12	D.4.4	Minor Diameter w/o traveller track	89	-		91
13	D.4.4	Minor Diameter w/ traveller track	106			108
14	D.4.4	Distance of junction of tie and main beam from centreline of the strut	1000			1100
TRAMPOLINE						
15	D.5.3	Total area of holes in trampoline	0			0.1
HULLS - inverted and assembled						
16	D.6.4.c	Does base line pass through templates 1; 2; 3.3 or 4.2?				
17	D.6.4.d	Does sheerline lie within template tolerance marks?				
18	D.6.4	Greatest clearance between skin and:	-	-		-
19	D.6.4	- stem template	0			10
20	D.6.4	- any template above central projection	0			10
21	D.6.4	- central projection of template - position 0	0			3
22	D.6.4	- central projection of templates positions 1; 2; 3.3; 4.2 and 5	0			2

23	D.6.4	Aftmost point of hull shell to aft end of bow template	5085		5096
24	D.6.4	Aft surface of the transom, at sheerline level, forward of the aft most point of the hull shell	30		50
25	D.3.2.b	Are the centreboard cases fitted on the hull centrelines?			
HULLS - upright and assembled					
26	D.3.2.d	Does any rigging control, except as permitted by D.3.2.c, by pass through the hulls?			
27	D.6.4	Difference between deck centreline separation and keel centreline separation immediately aft of main beam	0		10
28	D.6.4	Deck centreline separation, tested at several points along hulls	2610		2630
29	D.6.4	Difference between diagonal lengths, measured from the tip of each bow to the aft edge of the opposite transom at the inner sheerlines	0		25
30	D.6.4	Greatest clearance between deck and template at any point along length of hull shell	0		5
31	D.6.4	Radius at sheer, measured perpendicular to both the deck and the topside	0		12
32	D.6.4	Aft edge of main beam from stem head length datum, as inscribed on the bow template	3095		3115
33	D.6.4	Forward edge of rear beam from stem head length datum, as inscribed on the bow template	5324		5344
34	D.6.4	Shroud attachment point distance aft of aftmost edge of main beam, measured along the sheer to the point of intersection with the plane of the shrouds	708		728
35	D.6.4	Distance between the outer surface of shroud chain plate and the outer surface of the topside	0		15
36	D.6.4	Forestay strop attachment point forward of aft edge of main beam	1965		1980
37	D.6.4	Forestay strop attachment point from sheerline	0		50
38	D.6.4	The main beam and rear beam lower surfaces below the inner sheerlines	25		35