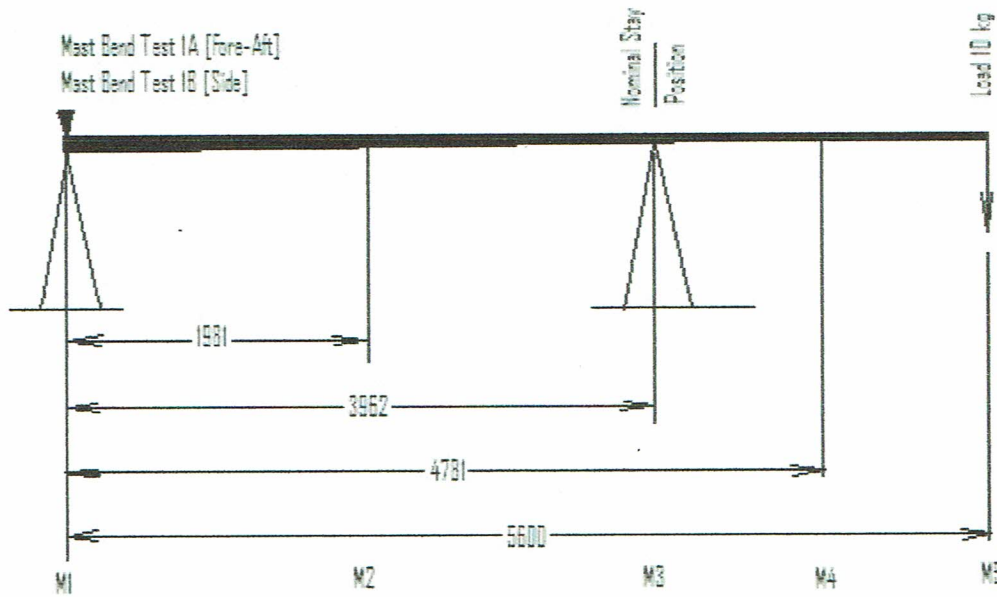


Mast Bend Test 1A and 1B

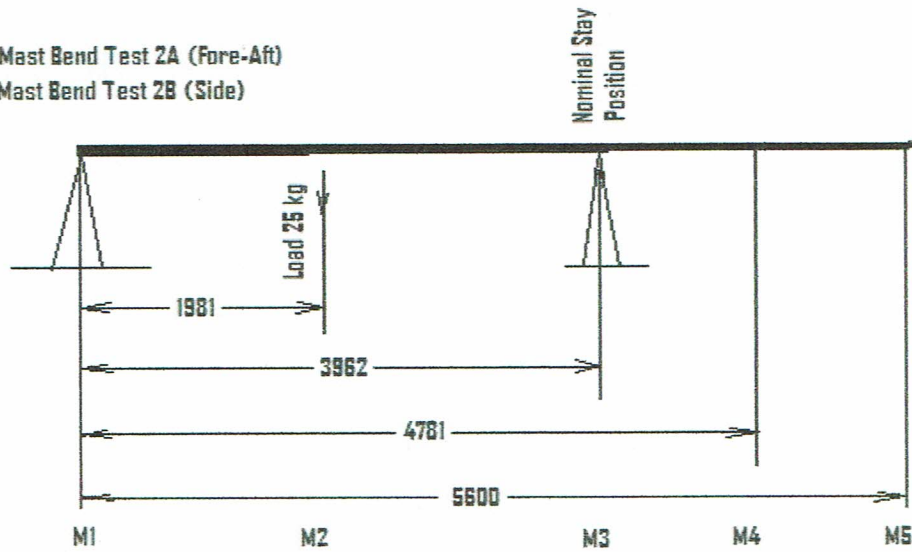


Mast Bend Test Results: Tests 1A and 1B [Load 10 kg]							
Mast	Type	Test	M1 [0]	M2 [1981]	M3 [3962]	M4 [4781]	M5 [5600]
No 28	Aluminium – Nth Spars	Fore-Aft	0	14	0	-22	-52
		Side	0	17	0	-31	-82
No 105	Aluminium – Nth Spars	Fore-Aft	0	14	0	-20	-54
		Side	0	17	0	-30	-83
No 197	Aluminium – Nth Spars (From latest batch)	Fore-Aft	0	12	0	-20	-55
		Side	0	17	0	-28	-83
No 225	Aluminium – Nth Spars	Fore-Aft	0	10	0	-20	-50
		Side	0	15	0	-27	-73
No 255	Aluminium – Nth Spars	Fore-Aft	0	14	0	-21	-55
		Side	0	17	0	31	-86
No 259	Aluminium – Nth Spars	Fore-Aft	0	14	0	-20	-50
		Side	0	17	0	-29	-86
No 304	Aluminium – Nth Spars	Fore-Aft	0	13	0	-20	-49
		Side	0	16	0	-30	-81
No 309	Aluminium – Nth Spars	Fore-Aft	0	13	0	-17	-50
		Side	0	18	0	-30	-61
No 505	Aluminium – Nth Spars	Fore-Aft	0	13	0	-21	-56
		Side	0	17	0	-31	-88
No 512	Aluminium – Nth Spars	Fore-Aft	0	13	0	-19	-47
		Side	0	16	0	-28	-74
No Jack's	Aluminium – Nth Spars?	Fore-Aft	0	11	0	-19	-45
		Side	0	13	0	-27	-65
Reject	Aluminium – Nth Spars	Fore-Aft	0	11	0	-20	-53
		Side	0	15	0	-30	-86
	Average Deflections	Fore-Aft	0	12.67	0	-19.92	-51.33
	Standard Deviation	Fore-Aft	0	1.37	0	1.24	3.42
	Average Deflections	Side	0	16.25	0	-29.33	-79.0
	Standard Deviation	Side	0	1.36	0	1.50	8.81

Mast	Type	Test	M1 [0]	M2 [1981]	M3 [3962]	M4 [4781]	M5 [5600]
No 157	Aluminium – Baverstock	Fore-Aft	0	10	0	-18	-53
		Side	0	10	0	-29	-86
No 200	Aluminium – Baverstock	Fore-Aft	0	10	0	-12	-33
		Side	0	14	0	-16	-47
No 225	Aluminium – Baverstock	Fore-Aft	0	10	0	-18	-41
		Side	0	15	0	-27	-70
No 236	Aluminium – Baverstock	Fore-Aft	0	13	0	-19	-47
		Side	0	15	0	-26	-67
	Average Deflections	Fore-Aft	0	10.75	0	-16.75	-43.5
	Standard Deviation	Fore-Aft	0	1.50	0	3.20	8.54
	Average Deflections	Side	0	13.5	0	-24.5	-67.5
	Standard Deviation	Side	0	2.38	0	5.80	16.01
Mast	Type	Test	M1 [0]	M2 [1981]	M3 [3962]	M4 [4781]	M5 [5600]
No 15	Wooden	Fore-Aft	0	7	0	-14	-36
		Side	0	7	0	-15	-40
No 82	Wooden	Fore-Aft	0	9	0	-20	-53
		Side	0	11	0	-23	-61
No 225#2	Wooden	Fore-Aft	0	-14	0	-27	-91
		Side	0	16	0	-37	-98
No 225#3	Wooden	Fore-Aft	0	11	0	-25	-74
		Side	0	13	0	-24	-67
No 304 W1	Wooden	Fore-Aft					
		Side					
No 304 W2	Wooden	Fore-Aft	0	7	0	-25	-51
		Side	0	17	0	-28	-77
	Average Deflections	Fore-Aft	0	9.6	0	-22.2	-61.0
	Standard Deviation	Fore-Aft	0	2.97	0	5.26	21.55
	Average Deflections	Side	0	12.8	0	-25.4	-68.6
	Standard Deviation	Side	0	4.02	0	8.02	21.29

Mast Bend Test 2A and 2B

Mast Bend Test 2A (Fore-Aft)
Mast Bend Test 2B (Side)

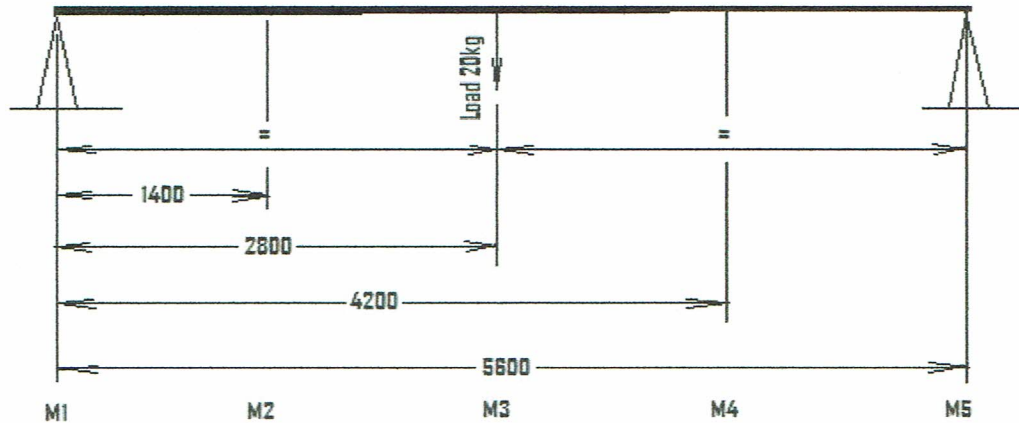


Mast Bend Test Results: Tests 2A and 2B [Load 25 kg]		Test	M1 [0]	M2 [1981]	M3 [3962]	M4 [4781]	M5 [5600]
No 28	Aluminium – Nth Spars	Fore-Aft	0	-27	0	17	32
		Side	0	-35	0	22	41
No 105	Aluminium – Nth Spars	Fore-Aft	0	-26	0	15	32
		Side	0	-37	0	23	45
No 197	Aluminium – Nth Spars (From latest batch)	Fore-Aft	0	-25	0	15	31
		Side	0	-34	0	21	42
No 225	Aluminium – Nth Spars	Fore-Aft	0	-25	0	15	30
		Side	0	-33	0	20	41
No 255	Aluminium – Nth Spars	Fore-Aft	0	-27	0	17	33
		Side	0	-38	0	23	35
No 259	Aluminium – Nth Spars	Fore-Aft	0	-25	0	17	32
		Side	0	-31	0	18	37
No 304	Aluminium – Nth Spars	Fore-Aft	0	-24	0	15	30
		Side	0	-34	0	19	40
No 309	Aluminium – Nth Spars	Fore-Aft	0	-25	0	16	30
		Side	0	-35	0	22	46
No 505	Aluminium – Nth Spars	Fore-Aft	0	-26	0	15	30
		Side	0	-35	0	22	43
No 512	Aluminium – Nth Spars	Fore-Aft	0	-26	0	15	32
		Side	0	-32	0	24	41
No Jack's	Aluminium – Nth Spars?	Fore-Aft	0	-22	0	13	27
		Side	0	-30	0	17	35
Reject	Aluminium – Nth Spars	Fore-Aft	0	-25	0	15	33
		Side	0	-33	0	12	42
	Average Deflections	Fore-Aft	0	-25.5	0	15.42	31.0
	Standard Deviation	Fore-Aft	0	1.36	0	1.16	1.71
	Average Deflections	Side	0	-33.92	0	20.25	40.67
	Standard Deviation	Side	0	2.31	0	3.36	3.50

Mast	Type	Test	M1 [0]	M2 [1981]	M3 [3962]	M4 [4781]	M5 [5600]
No 157	Aluminium – Baverstock	Fore-Aft	0	-22	0	13	28
		Side	0	-31	0	19	40
No 200	Aluminium – Baverstock	Fore-Aft	0	-25	0	12	25
		Side	0	-34	0	15	35
No 225	Aluminium – Baverstock	Fore-Aft	0	-21	0	14	27
		Side	0	-30	0	19	37
No 236	Aluminium – Baverstock	Fore-Aft	0	-24	0	15	29
		Side	0	-30	0	16	32
	Average Deflections	Fore-Aft	0	-23.0	0	13.5	27.25
	Standard Deviation	Fore-Aft	0	1.83	0	1.20	1.71
	Average Deflection	Side	0	-31.25	0	17.25	36.0
	Standard Deviation	Side	0	1.89	0	2.06	3.37
Mast	Type	Test	M1 [0]	M2 [1981]	M3 [3962]	M4 [4781]	M5 [5600]
No 15	Wooden	Fore-Aft	0	-15	0	9	19
		Side	0	-15	0	10	21
No 82	Wooden	Fore-Aft	0	-18	0	11	23
		Side	0	-20	0	13	27
No 225#2	Wooden	Fore-Aft	0	-24	0	16	30
		Side	0	-29	0	22	41
No 225#3	Wooden	Fore-Aft	0	-25	0	16	31
		Side	0	-22	0	14	29
No 304 W1	Wooden	Fore-Aft	0	-20	0	12	22
		Side	0	-25	0	16	32
No 304 W2	Wooden	Fore-Aft	0	-26	0	15	32
		Side	0	-34	0	21	42
	Average Deflections	Fore-Aft	0	-21.33	0	13.17	26.17
	Standard Deviation	Fore-Aft	0	4.37	0	2.93	5.49
	Average Deflections	Side	0	-24.17	0	16.0	32.0
	Standard Deviation	Side	0	6.74	0	4.69	8.20

Mast Bend Test 3A and 3B

Mast Bend Test 3A (Fore-Aft)
Mast Bend Test 3B (Side)



Mast Bend Test Results: Tests 3A and 3B		[Load 20 kg]					
Mast	Type	Test	M1 [0]	M2 [1400]	M3 [2800]	M4 [4200]	M5 [5600]
No 28	Aluminium – Nth Spars	Fore-Aft	0	-45	-65	-49	0
		Side	0	-60	-98	-67	0
No 105	Aluminium – Nth Spars	Fore-Aft	0	-44	-64	-49	0
		Side	0	-63	-97	-78	0
No 197	Aluminium – Nth Spars (From latest batch)	Fore-Aft	0	-41	-63	-48	0
		Side	0	-58	-90	-74	0
No 225	Aluminium – Nth Spars	Fore-Aft	0	-42	-63	-48	0
		Side	0	-57	-88	-75	0
No 255	Aluminium – Nth Spars	Fore-Aft	0	-43	-65	-51	0
		Side	0	-64	-96	-78	0
No 259	Aluminium – Nth Spars	Fore-Aft	0	-40	-59	-45	0
		Side	0	-53	-90	-80	0
No 304	Aluminium – Nth Spars	Fore-Aft	0	-40	-59	-44	0
		Side	0	-59	-88	-71	0
No 309	Aluminium – Nth Spars	Fore-Aft	0	-40	-61	-46	0
		Side	0	-60	-95	-76	0
No 505	Aluminium – Nth Spars	Fore-Aft	0	-44	-62	-47	0
		Side	0	-62	-94	-75	0
No 512	Aluminium – Nth Spars	Fore-Aft	0	-41	-59	-44	0
		Side	0	-54	-83	-66	0
Jack's	Aluminium – Nth Spars?	Fore-Aft	0	-38	-58	-46	0
		Side	0	-51	-78	-63	0
Reject	Aluminium – Nth Spars	Fore-Aft	0	-42	-63	-48	0
		Side	0	-58	-94	-78	0
	Average Deflections	Fore-Aft	0	-41.67	-61.75	-47.08	0
	Standard Deviation	Fore-Aft	0	1.92	2.49	2.15	0
	Average Deflections	Side	0	-58.25	-90.92	-73.42	0
	Standard Deviation	Side	0	4.03	6.01	5.47	0

Mast	Type	Test	M1 [0]	M2 [1400]	M3 [2800]	M4 [4200]	M5 [5600]
No 157	Aluminium – Baverstock	Fore-Aft	0	-37	-57	-30	0
		Side	0	-52	-81	-68	0
No 200	Aluminium – Baverstock	Fore-Aft	0	-35	-53	-38	0
		Side	0	-47	-70	-52	0
No 225	Aluminium – Baverstock	Fore-Aft	0	-35	-53	-41	0
		Side	0	-53	-80	-65	0
No 236	Aluminium – Baverstock	Fore-Aft	0	-39	-58	-43	0
		Side	0	-50	-77	-56	0
	Average Deflections	Fore-Aft	0	-36.5	-55.25	-38.0	0
	Standard Deviation	Fore-Aft	0	1.91	2.63	5.72	0
	Average Deflections	Side	0	-50.5	-77.0	-60.25	0
	Standard Deviations	Side	0	2.65	4.97	7.5	0
Mast	Type	Test	M1 [0]	M2 [1400]	M3 [2800]	M4 [4200]	M5 [5600]
No 15	Wooden	Fore-Aft	0	-25	-41	-18	0
		Side	0	-29	-46	-36	0
No 82	Wooden	Fore-Aft	0	-36	-55	-45	0
		Side	0	-41	-65	-55	0
No 225#2	Wooden	Fore-Aft	0	-51	-85	-74	0
		Side	0	-58	-98	-84	0
No 225#3	Wooden	Fore-Aft	0	-43	-70	-61	0
		Side	0	-46	-71	-57	0
No 304 W1	Wooden	Fore-Aft	0	-20	-59	-47	0
		Side	0	-47	-74	-58	0
No 304 W2	Wooden	Fore-Aft	0	-43	-65	-50	0
		Side	0	-59	-90	-68	0
	Average Deflections	Fore-Aft	0	-36.33	-62.5	-49.17	0
	Standard Deviation	Fore-Aft	0	11.83	14.83	18.71	0
	Average Deflections	Side	0	-46.67	-74.0	-59.67	0
	Standard Deviation	Side	0	11.18	18.47	15.83	0