

PART 4

NOTES FOR GUIDANCE IN THE APPLICATION OF SCHEDULE 4 OF MSN 1752(M): FREE BOARDS

4.1 Depth for freeboard (Paragraph 1)

In the expressions for the correction to the depth to allow for the presence of deck sheathing, the expression:

$$\frac{T(L-S)}{L}$$

is applicable where the freeboard deck is completely sheathed between superstructures; in other cases the correction is given by:

$$\frac{TC}{L}$$

Where T is the mean thickness of the exposed sheathing clear of deck openings
L is the length of ship
S is the aggregate length of all superstructures
C is the length of deck which is fully sheathed from side to side.

Wood sheathing qualifies for the purpose of the correction.

4.2 Flooding Calculations (Paragraph 3, Paragraph 1 of Schedule 2)

When determining floodability and undertaking stability calculations account should also be taken of paragraph 5.7.

4.3 Minimum Freeboards (Paragraph 3)

When the geometric freeboard calculated in accordance with paragraph (1) is less than the minimum freeboard allowed by paragraph (2), the corrections for Winter freeboard and Winter North Atlantic freeboard should be added to the allowed minimum Summer freeboard and not to the calculated value. Similarly, the allowance for fresh water should be a deduction from the allowed minimum Summer freeboard.

4.4 Standard Height, length and Effective length of Superstructures (Paragraph 9)

4.4.1 Where a superstructure bulkhead is recessed the effective length of the superstructure should be reduced by a length equivalent to that which results when the area of the recess is divided by the breadth of the ship at the mid length of the recess at the freeboard deck. When the recess is unsymmetrical about the centre line the larger portion of the recess shall be considered as applying to both sides of the ship. Such recesses need not be decked over.

4.4.2 Where there is an extension to a superstructure and the breadth of the extension is not less than 30% B on each side of the centre line of the ship then the effective length of the superstructure may be increased by considering a superstructure bulkhead in the form of a parabola. This parabola should extend from the extension at the centre line and pass through the junction of the actual superstructure bulkhead with the sides of the extension and extend to the sides of the ship. The parabola should be completely contained within the boundary of the superstructure and its extensions, see Figure 3. The effective length of such a superstructure, E, shall be taken to a point 2/3 of the virtual extent of curvature.

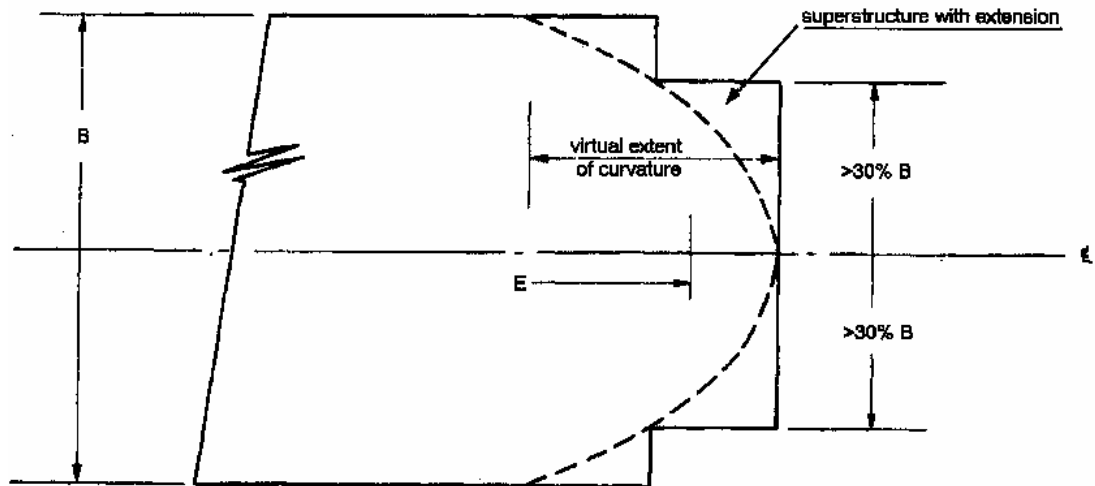


Figure 3

4.5 Treatment of Superstructures with Sloping End Bulkheads

The freeboard deduction for superstructures which have sloping end bulkheads should be determined in the following manner:

Length of Superstructure-Schedule 4 paragraph 9(2)(a)

4.5.1 When the height of the superstructure, clear of the slope, is equal to or 4 smaller than the standard height, its length (S) shall be obtained as shown on Fig.4.

4.5.2 When the height is greater than the standard, its length (S) shall be obtained as shown on Fig.5.

4.6 Raised Quarter-decks (Paragraph 9(3)(c))

With regard to the length of a raised quarter-deck the following interpretation applies:

4.6.1 In a ship with a superstructure which extends over the whole length of the freeboard deck, the part of the superstructure from the after perpendicular up to a maximum of 0.6L may be treated as a raised quarter-deck. In this respect if no watertight front bulkhead is fitted, the bow may be considered to act as such.

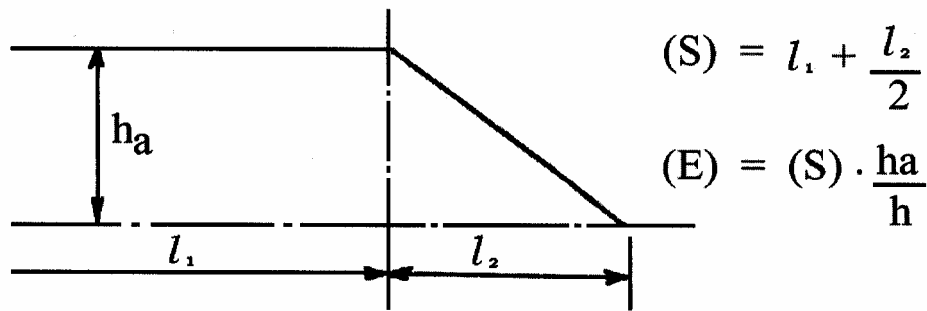


Figure 4 Height of Superstructure equal to or smaller than the standard height (h)

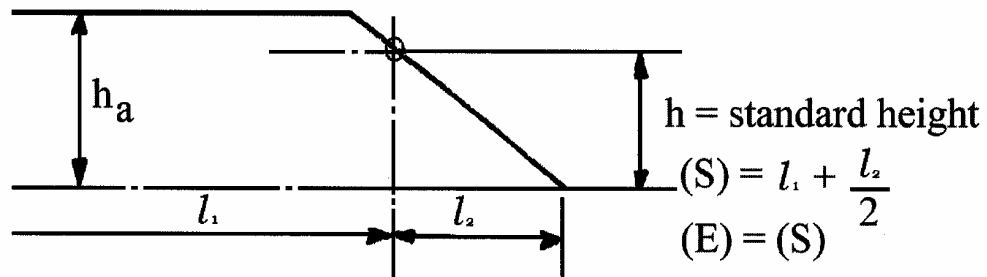


Figure 5 Height of superstructure greater than the standard height

4.6.2 The length limit imposed by paragraph 9(3)(b) for a raised quarter-deck of less than standard height applies to the length calculated as indicated in Schedule 4 paragraph 9(3)(c). It is recommended that the maximum effective length of 0.6L of a raised quarter-deck which is stipulated by paragraph 9(3)(c) is to be measured from the aft perpendicular even where a poop is fitted in conjunction with the raised quarter-deck.

4.7 Continuous Hatchways as Trunk (Paragraph 10)

4.7.1 It is recommended that continuous hatchways may be treated as a trunk in the freeboard computation provided paragraph 10 is complied with in all respects.

4.7.2 The trunk deck stringer referred to in paragraph 10(2)(b) may be fitted outboard of the trunk side bulkhead in association with the following:

4.7.2.1 The stringer so formed is to provide a clear walkway of at least 450mm in width on each side of the ship.

4.7.2.2 The stringer is to be of solid plate efficiently supported and stiffened.

4.7.2.3 The stringer is to be as high above the freeboard deck as practicable and not more than 600mm below the top of the hatchway coamings.

4.7.2.4 Hatch cover securing appliances are to be accessible from the stringer or walkway.

4.7.2.5 The breadth of the trunk is to be measured between the trunk side bulkheads.

4.7.2.6 Paragraph 10 is to be complied with in all other respects.

4.8 Less than standard Height Hatch Coamings on Trunks of less than Standard Heights (Paragraph 10(2)(d))

In the case where the trunk height is less than standard and the trunk hatch coamings are also of less than standard height, or omitted entirely, doubt may arise whether the trunk hatchways are located in position 1 or position 2 and consequently, about the reduction to be made in the actual trunk height. It is considered that in these cases the reduction from the actual height of trunk on account of insufficient hatch coaming height shall be taken as the difference between 600mm and the actual height of the coaming, or 600mm if no hatch coamings are fitted. Reduction in the actual height of trunk shall not be required in cases where only small hatches with less than standard height are fitted in the trunk deck for which dispensation from the requirement of standard coaming height may be given.

4.9 Sheer Credit for Superimposed Superstructure (Paragraph 12(5))

In applying paragraph 12(5) (sheer on complete superstructure ship), where there is an enclosed poop or forecastle superimposed on a complete superstructure, sheer credit shall be allowed for such poop or forecastle according to the method of paragraph 14(4), except that 'y' is to be the actual height of the poop or forecastle at the end ordinate.

4.10 Sheer Allowance for Excess Height of Superstructure (Paragraphs 12(7) and 14(4))

Paragraph 12(7) and 14(4) do not refer to a raised quarter deck and it is recommended that credit under this paragraph be given for this type of superstructure only when the height of the raised quarter-deck is greater than the standard height of "other superstructures" as defined in paragraph 9(1), and only for the amount by which the actual height of the raised quarter deck exceeds that standard height.

4.11 Variation from Standard Sheer Profile (Paragraph 14)

Where the height of a superstructure is less than standard, Schedule 4 paragraph 14(4) may be applied except that the height of the superstructure deck shall not be less than the minimum height of the superstructure above the virtual sheer curve at any point.

For this purpose "y" shall be taken as the difference between the actual and minimum height of the superstructure at the end of the sheer.

4.12 Sheer Credit (Paragraph 14(4))

When a poop or a forecastle has a sloping end bulkhead, and sheer credit is allowed on account of excess height, the formula given in paragraph 14(4) should be used, the values for (y) and L' being as shown in figure 6.

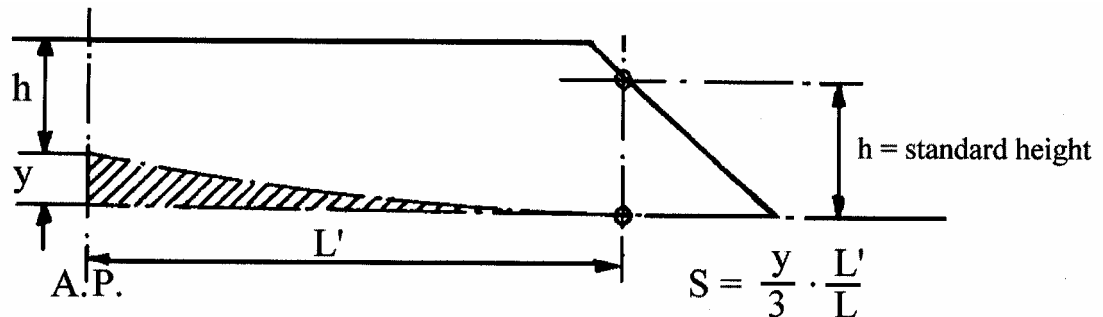


Figure 6

4.13 Deduction for Excess Sheer (Paragraph 15(3))

Since no stipulation is made as to the height of the superstructure referred to in paragraph 15(3), it is recommended that the height of this superstructure shall be related to its standard height. When the height of the superstructure or raised quarter deck is less than standard, the reduction shall be in the ratio of the actual to the standard height thereof.

4.14 Timber Freeboards for Ships having Reduced Type "B" Freeboards (Paragraphs 18(1) and (2))

4.14.1 Timber freeboards may be assigned to ships with reduced Type "B" freeboards, provided the timber freeboards are calculated on the basis of the ordinary type "B" freeboard.

4.14.2 It is recommended that paragraph 18(1) and (2) be interpreted or, if necessary, amended such that the Timber Winter mark and/or the Timber Winter North Atlantic mark are placed at the same level as the reduced Type "B" Winter mark when the computed Timber Winter mark and/or the computed Timber Winter North Atlantic mark fall below the reduced type "B" Winter mark.

4.15 Freeboards for Lighters and Barges (Paragraph 21)

4.15.1 In applying Paragraph 21 to deck cargo barges only Type "B" freeboard should be assigned, even if the barges possess the same integrity of exposed decks and equivalent safety against flooding as tank barges.

4.15.2 Because Type "A" freeboard can be assigned only to liquid cargo barges, deck cargo should be carried only on barges to which Type "B" freeboard is assigned.

4.16 Freeboards for Ships longer than 365 Metres

4.16.1 Type "A" Ships

4.16.1.1 Tabular freeboards for Type "A" ships with lengths of between 365m and 400m shall be determined by the following formula:

$$f = 221 + 16.10L - 0.02L^2$$

Where f is the freeboard in mm

L is the length as defined in the regulations

4.16.1.2 Tabular freeboards for Type "A" ships with lengths of 400m and above shall be the constant value, 3460mm.

4.16.2 Type "B" Ships

4.16.2.1 Tabular freeboards for Type "B" ships with lengths between 365m and 400m shall be determined by the following formula:

$$f = -587 + 23L - 0.0188L^2$$

Where f is the freeboard in mm

L is the length as defined in the Regulations

4.16.2.2 Tabular freeboards for Type "B" ships with lengths of 400m and above shall be the constant value, 5605mm.

4.17 Tabular Freeboards for Type A and B Ships and also Allowances for Complete Superstructures

Length of ship (Metres)	Freeboard (m/m)				L 15	L 0.48	Complete super-Structure Allowance (m/m)	Superstructure Height (mean)	
	A	B-60%	B	*B with portable hatch covers				Raised Quarter Deck	Other
†24	200		200	250	1.600	50.0	350	.900	1.800
25	208		208	258	1.677	52.1	358	.900	1.800
26	217		217	267	1.733	54.2	367	.900	1.800
27	225		225	275	1.800	56.3	375	.900	1.800
28	233		233	283	1.867	58.3	383	.900	1.800
29	242		242	292	1.933	60.4	392	.900	1.800
30	250		250	300	2.000	62.5	400	.900	1.800
31	258		258	308	2.067	64.6	409	.907	1.800
32	267		267	317	2.133	66.7	417	.913	1.800
33	275		275	325	2.200	68.8	425	.920	1.800
34	283		283	333	2.267	70.8	434	.927	1.800
35	292		292	342	2.333	72.9	442	.933	1.800
36	300		300	350	2.400	75.0	450	.940	1.800
37	308		308	358	2.467	77.1	459	.947	1.800
38	316		316	366	2.533	79.2	467	.953	1.800
39	325		325	375	2.600	81.3	475	.960	1.800
40	334		334	384	2.667	83.3	484	.967	1.800
41	344		344	394	2.733	85.4	492	.973	1.800
42	354		354	404	2.800	87.5	500	.980	1.800
43	364		364	414	2.867	89.6	509	.987	1.800
44	374		374	424	2.933	91.7	517	.993	1.800
45	385		385	435	3.000	93.8	526	1.000	1.800
46	396		396	446	3.067	95.8	534	1.007	1.800
47	408		408	458	3.133	97.9	542	1.013	1.800
48	420		420	470	3.200	100.0	551	1.020	1.800
49	432		432	482	3.267	102.1	559	1.027	1.800
50	443		443	493	3.333	104.2	567	1.033	1.800
51	455		455	505	3.400	106.3	576	1.040	1.800
52	467		467	517	3.467	108.3	584	1.047	1.800
53	478		478	528	3.533	110.4	592	1.053	1.800
54	490		490	540	3.600	112.5	601	1.060	1.800
55	503		503	553	3.667	114.6	609	1.067	1.800
56	516		516	566	3.733	116.7	618	1.073	1.800
57	530		530	580	3.800	118.8	626	1.080	1.800
58	544		544	594	3.867	120.8	634	1.087	1.800
59	559		559	609	3.933	122.9	643	1.093	1.800
60	573		573	623	4.000	125.0	651	1.100	1.800
61	587		587	637	4.067	127.1	659	1.107	1.800
62	600		601	651	4.133	129.2	668	1.113	1.800
63	613		615	665	4.200	131.3	676	1.120	1.800
64	626		629	679	4.267	133.3	684	1.127	1.800
65	639		644	694	4.333	135.4	693	1.133	1.800
66	653		659	709	4.400	137.5	701	1.140	1.800
67	666		674	724	4.467	139.6	710	1.147	1.800
68	680		689	739	4.533	141.7	718	1.153	1.800
69	693		705	755	4.600	143.8	726	1.160	1.800
70	706		721	771	4.667	145.8	735	1.167	1.800
71	720		738	788	4.733	148.0	743	1.173	1.800
72	733		754	804	4.800	150.0	751	1.180	1.800

* See Schedule 4 paragraph 5(2)(b).

† The tabular freeboard for ships less than 24 metres in length (L) is obtained from the formula:

$$\text{Freeboard (mm)} = 50 + \frac{150(L)}{24} \text{ see also paragraphs 3 and 17 of Schedule 4.}$$

Length of ship (Metres)	Freeboard (m/m)				$\frac{L}{15}$	$\frac{L}{0.48}$	Complete super-Structure Allowance (m/m)	Superstructure Height	
	A	B-60%	B	*B with portable hatch covers				Raised Quarter Deck	Other
73	746		769	819	4.867	152.1	760	1.187	1.800
74	760		784	834	4.933	154.2	768	1.193	1.800
75	773		800	850	5.000	156.3	776	1.200	1.800
76	786		816	866	5.067	158.3	785	1.212	1.810
77	800		833	883	5.133	160.4	793	1.224	1.820
78	814		850	900	5.200	162.5	801	1.236	1.830
79	828		868	918	5.267	164.6	810	1.248	1.840
80	841		887	937	5.333	166.7	818	1.260	1.850
81	855		905	955	5.400	168.8	827	1.272	1.860
82	869		923	973	5.467	170.8	835	1.284	1.870
83	883		942	992	5.533	172.9	843	1.296	1.880
84	897		960	1010	5.600	175.0	852	1.308	1.890
85	911		978	1028	5.667	177.1	860	1.320	1.900
86	926		996	1046	5.733	179.2	866	1.332	1.910
87	940		1015	1065	5.800	181.3	871	1.344	1.920
88	955		1034	1084	5.867	183.3	877	1.356	1.930
89	969		1054	1104	5.933	185.4	883	1.368	1.940
90	984		1075	1125	6.000	187.5	888	1.380	1.950
91	999		1096	1146	6.067	189.6	894	1.392	1.960
92	1014		1116	1166	6.133	191.7	900	1.404	1.970
93	1029		1135	1185	6.200	193.8	905	1.416	1.980
94	1044		1154	1204	6.267	195.8	911	1.428	1.990
95	1059		1172	1222	6.333	197.9	917	1.440	2.000
96	1074		1190	1240	6.400	200.0	922	1.452	2.010
97	1089		1209	1259	6.467	202.1	928	1.464	2.020
98	1105		1229	1279	6.533	204.2	934	1.476	2.030
99	1120		1250	1300	6.600	206.3	939	1.488	2.040
100	1135		1271	1321	6.667	208.3	945	1.500	2.050
101	1151	1208	1293	1341	6.733	210.4	951	1.512	2.060
102	1166	1226	1315	1365	6.800	212.5	956	1.524	2.070
103	1181	1243	1337	1387	6.867	214.6	962	1.536	2.080
104	1196	1261	1359	1409	6.933	216.7	968	1.548	2.090
105	1212	1279	1380	1430	7.000	218.8	974	1.560	2.100
106	1228	1297	1401	1451	7.067	220.8	979	1.572	2.110
107	1244	1315	1421	1471	7.133	222.9	985	1.584	2.120
108	1260	1332	1440	1490	7.200	225.0	991	1.596	2.130
109	1276	1349	1459	1511	7.267	227.1	996	1.608	2.140
110	1293	1367	1479	1534	7.333	229.2	1002	1.620	2.150
111	1309	1385	1550	1557	7.400	231.3	1008	1.632	2.160
112	1326	1404	1521	1580	7.467	233.3	1013	1.644	2.170
113	1342	1422	1543	1605	7.533	235.4	1019	1.656	2.180
114	1359	1441	1565	1629	7.600	237.5	1025	1.668	2.190
115	1376	1460	1587	1655	7.667	239.6	1030	1.680	2.200
116	1392	1479	1609	1679	7.733	241.7	1036	1.692	2.210
117	1409	1497	1630	1703	7.800	243.8	1042	1.704	2.220
118	1426	1516	1651	1727	7.867	45.8	1047	1.716	2.230
119	1442	1534	1671	1751	7.933	247.9	1053	1.728	2.240
120	1459	1551	1690	1774	8.000	250.0	1059	1.740	2.250
121	1476	1569	1709	1796	8.067	250.0	1064	1.752	2.260
122	1494	1588	1729	1820	8.133	250.0	1070	1.764	2.270
123	1511	1607	1750	1845	8.200	250.0	1070	1.776	2.280
124	1528	1625	1771	1870	8.267	250.0	1070	1.788	2.290
125	1546	1645	1793	1896	8.333	250.0	1070	1.800	2.300
126	1563	1664	1815	1923	8.400	250.0	1070	1.800	2.300
127	1580	1683	1837	1949	8.467	250.0	1070	1.800	2.300
128	1598	1702	1859	1975	8.533	250.0	1070	1.800	2.300
129	1615	1721	1880	2001	8.600	250.0	1070	1.800	2.300
130	1632	1740	1901	2027	8.667	250.0	1070	1.800	2.300

See Schedule 4 paragraph 5(2)(b)

Length of ship (Metres)	Freeboard (m/m)				L 15	L 0.48	Complete super-Structure Allowance (m/m)	Superstructure Height	
	A	B-60%	B	*B with portable hatch covers				Raised Quarter Deck	Other
131	1650	1758	1921	2052	8.733	250.0	1070	1.800	2.300
132	1667	1776	1940	2076	8.800	250.0	1070	1.800	2.300
133	1684	1794	1959	2101	8.867	250.0	1070	1.800	2.300
134	1702	1813	1979	2126	8.933	250.0	1070	1.800	2.300
135	1719	1831	2000	2153	9.000	250.0	1070	1.800	2.300
136	1736	1850	2021	2180	9.067	250.0	1070	1.800	2.300
137	1753	1869	2043	2207	9.133	250.0	1070	1.800	2.300
138	1770	1888	2065	2235	9.200	250.0	1070	1.800	2.300
139	1787	1907	2087	2262	9.267	250.0	1070	1.800	2.300
140	1803	1925	2109	2290	9.333	250.0	1070	1.800	2.300
141	1820	1944	2130	2316	9.400	250.0	1070	1.800	2.300
142	1837	1963	2151	2342	9.467	250.0	1070	1.800	2.300
143	1853	1980	2171	2367	9.533	250.0	1070	1.800	2.300
144	1870	1998	2190	2391	9.600	250.0	1070	1.800	2.300
145	1886	2015	2209	2415	9.667	250.0	1070	1.800	2.300
146	1903	2033	2229	2439	9.733	250.0	1070	1.800	2.300
147	1919	2015	2250	2465	9.800	250.0	1070	1.800	2.300
148	1935	2069	2271	2490	9.867	250.0	1070	1.800	2.300
149	1952	2088	2293	2517	9.933	250.0	1070	1.800	2.300
150	1968	2107	2315	2543	10.000	250.0	1070	1.800	2.300
151	1984	2124	2334	2566	10.067	250.0	1070	1.800	2.300
152	2000	2142	2354	2590	10.133	250.0	1070	1.800	2.300
153	2016	2160	2375	2615	10.200	250.0	1070	1.800	2.300
154	2032	2178	2396	2640	10.267	250.0	1070	1.800	2.300
155	2048	2196	2418	2665	10.333	250.0	1070	1.800	2.300
156	2064	2214	2440	2691	10.400	250.0	1070	1.800	2.300
157	2080	2232	2460	2714	10.467	250.0	1070	1.800	2.300
158	2096	2250	2480	2738	10.533	250.0	1070	1.800	2.300
159	2111	2267	2500	2761	10.600	250.0	1070	1.800	2.300
160	2126	2284	2520	2784	10.667	250.0	1070	1.800	2.300
161	2141	2301	2540	2807	10.733	250.0	1070	1.800	2.300
162	2155	2317	2560	2830	10.800	250.0	1070	1.800	2.300
163	2169	2333	2580	2853	10.867	250.0	1070	1.800	2.300
164	2184	2350	2600	2875	10.933	250.0	1070	1.800	2.300
165	2198	2367	2620	2898	11.000	250.0	1070	1.800	2.300
166	2212	2383	2640	2920	11.067	250.0	1070	1.800	2.300
167	2226	2400	2660	2943	11.133	250.0	1070	1.800	2.300
168	2240	2416	2680	2965	11.200	250.0	1070	1.800	2.300
169	2254	2432	2698	2985	11.267	250.0	1070	1.800	2.300
170	2268	2447	2716	3006	11.333	250.0	1070	1.800	2.300
171	2281	2463	2735	3027	11.400	250.0	1070	1.800	2.300
172	2294	2478	2754	3048	11.467	250.0	1070	1.800	2.300
173	2307	2494	2774	3071	11.533	250.0	1070	1.800	2.300
174	2320	2510	2795	3094	11.600	250.0	1070	1.800	2.300
175	2332	2525	2815	3116	11.667	250.0	1070	1.800	2.300
176	2345	2541	2835	3139	11.733	250.0	1070	1.800	2.300
177	2357	2556	2855	3161	11.800	250.0	1070	1.800	2.300
178	2369	2571	2875	3183	11.867	250.0	1070	1.800	2.300
179	2381	2587	2895	3206	11.933	250.0	1070	1.800	2.300
180	2393	2602	2915	3228	12.000	250.0	1070	1.800	2.300
181	2405	2616	2933	3248	12.067	250.0	1070	1.800	2.300
182	2416	2630	2952	3270	12.133	250.0	1070	1.800	2.300
183	2428	2645	2970	3290	12.200	250.0	1070	1.800	2.300
184	2440	2659	2988	3310	12.267	250.0	1070	1.800	2.300
185	2451	2673	3007	3332	12.333	250.0	1070	1.800	2.300
186	2463	2688	3025	3352	12.400	250.0	1070	1.800	2.300
187	2474	2702	3044	3373	12.467	250.0	1070	1.800	2.300

See Schedule 4 paragraph 5(2)(b).

Length of ship (Metres)	Freeboard (m/m)				$\frac{L}{15}$	$\frac{L}{0.48}$	Complete super-Structure Allowance (m/m)	Superstructure Height	
	A	B-60%	B	*B with portable hatch covers				Raised Quarter Deck	Other
188	2486	2716	3062	3394	12.533	250.0	1070	1.800	2.300
189	2497	2730	3080	3414	12.600	250.0	1070	1.800	2.300
190	2508	2744	3098	3434	12.667	250.0	1070	1.800	2.300
191	2519	2758	3116	3455	12.733	250.0	1070	1.800	2.300
192	2530	2772	3134	3475	12.800	250.0	1070	1.800	2.300
193	2541	2785	3151	3494	12.867	250.0	1070	1.800	2.300
194	2552	2798	3167	3513	12.933	250.0	1070	1.800	2.300
195	2562	2811	3185	3533	13.000	250.0	1070	1.800	2.300
196	2572	2824	3202	3552	13.067	250.0	1070	1.800	2.300
197	2582	2837	3219	3572	13.133	250.0	1070	1.800	2.300
198	2592	2849	3235	3590	13.200	250.0	1070	1.800	2.300
199	2602	2861	3249	3606	13.267	250.0	1070	1.800	2.300
200	2612	2873	3264	3622	13.333	250.0	1070	1.800	2.300
201	2622	2885	3280		13.400	250.0	1070	1.800	2.300
202	2632	2898	3296		13.467	250.0	1070	1.800	2.300
203	2641	2910	3313		13.533	250.0	1070	1.800	2.300
204	2650	2922	3330		13.600	250.0	1070	1.800	2.300
205	2659	2934	3347		13.667	250.0	1070	1.800	2.300
206	2669	2947	3363		13.733	250.0	1070	1.800	2.300
207	2678	2959	3380		13.800	250.0	1070	1.800	2.300
208	2687	2971	3397		13.867	250.0	1070	1.800	2.300
209	2696	2983	3413		13.933	250.0	1070	1.800	2.300
210	2705	2995	3430		14.000	250.0	1070	1.800	2.300
211	2714	3006	3445		14.067	250.0	1070	1.800	2.300
212	2723	3018	3460		14.133	250.0	1070	1.800	2.300
213	2732	3029	3475		14.200	250.0	1070	1.800	2.300
214	2741	3041	3490		14.267	250.0	1070	1.800	2.300
215	2749	3051	3505		14.333	250.0	1070	1.800	2.300
216	2758	3063	3520		14.400	250.0	1070	1.800	2.300
217	2767	3075	3537		14.467	250.0	1070	1.800	2.300
218	2775	3087	3554		14.533	250.0	1070	1.800	2.300
219	2784	3098	3570		14.600	250.0	1070	1.800	2.300
220	2792	3110	3586		14.667	250.0	1070	1.800	2.300
221	2801	3601	3601		14.733	250.0	1070	1.800	2.300
222	2809	3615	3615		14.800	250.0	1070	1.800	2.300
223	2817	3630	3630		14.867	250.0	1070	1.800	2.300
224	2825	3153	3645		14.933	250.0	1070	1.800	2.300
225	2833	3164	3660		15.000	250.0	1070	1.800	2.300
226	2841	3175	3675		15.067	250.0	1070	1.800	2.300
227	2849	3185	3690		15.133	250.0	1070	1.800	2.300
228	2857	3196	3705		15.200	250.0	1070	1.800	2.300
229	2865	3207	3720		15.267	250.0	1070	1.800	2.300
230	2872	3217	3735		15.333	250.0	1070	1.800	2.300
231	2880	3228	3750		15.400	250.0	1070	1.800	2.300
232	2888	3239	3765		15.467	250.0	1070	1.800	2.300
233	2895	3249	3780		15.533	250.0	1070	1.800	2.300
234	2903	3260	3795		15.600	250.0	1070	1.800	2.300
235	2910	3269	3808		15.667	250.0	1070	1.800	2.300
236	2918	3279	3821		15.733	250.0	1070	1.800	2.300
237	2925	3289	3835		15.800	250.0	1070	1.800	2.300
238	2932	3299	3849		15.867	250.0	1070	1.800	2.300
239	2939	3309	3864		15.933	250.0	1070	1.800	2.300
240	2946	3320	3880		16.000	250.0	1070	1.800	2.300
241	2953	3329	3893		16.067	250.0	1070	1.800	2.300
242	2959	3338	3906		16.133	250.0	1070	1.800	2.300
243	2966	3348	3920		16.200	250.0	1070	1.800	2.300

* See Schedule 4 paragraph 5(2)(b).

Length of ship (Metres)	Freeboard (m/m)				L 15	L 0.48	Complete super-Structure Allowance (m/m)	Superstructure Height	
	A	B-60%	B	*B with portable hatch covers				Raised Quarter Deck	Other
244	2973	3357	3934		16.267	250.0	1070	1.800	2.300
245	2979	3367	3949		16.333	250.0	1070	1.800	2.300
246	2986	3378	3965		16.400	250.0	1070	1.800	2.300
247	2993	3387	3978		16.467	250.0	1070	1.800	2.300
248	3000	3397	3992		16.533	250.0	1070	1.800	2.300
249	3006	3406	4005		16.600	250.0	1070	1.800	2.300
250	3012	3414	4018		16.667	250.0	1070	1.800	2.300
251	3018	3424	4032		16.733	250.0	1070	1.800	2.300
252	3024	3432	4045		16.800	250.0	1070	1.800	2.300
253	3030	3441	4058		16.867	250.0	1070	1.800	2.300
254	3036	3450	4072		16.933	250.0	1070	1.800	2.300
255	3042	3459	4085		17.000	250.0	1070	1.800	2.300
256	3048	3468	4098		17.067	250.0	1070	1.800	2.300
257	3054	3477	4112		17.133	250.0	1070	1.800	2.300
258	3060	3486	4125		17.200	250.0	1070	1.800	2.300
259	3066	3495	4139		17.267	250.0	1070	1.800	2.300
260	3072	3504	4152		17.333	250.0	1070	1.800	2.300
261	3078	3513	4165		17.400	250.0	1070	1.800	2.300
262	3084	3521	4177		17.467	250.0	1070	1.800	2.300
263	3089	3529	4189		17.533	250.0	1070	1.800	2.300
264	3095	3537	4201		17.600	250.0	1070	1.800	2.300
265	3101	3546	4214		17.667	250.0	1070	1.800	2.300
266	3106	3554	4227		17.733	250.0	1070	1.800	2.300
267	3112	3563	4240		17.800	250.0	1070	1.800	2.300
268	3117	3571	4252		17.867	250.0	1070	1.800	2.300
269	3123	3579	4264		17.933	250.0	1070	1.800	2.300
270	3128	3587	4276		18.000	250.0	1070	1.800	2.300
271	3133	3595	4289		18.067	250.0	1070	1.800	2.300
272	3138	3604	4302		18.133	250.0	1070	1.800	2.300
273	3143	3612	4315		18.200	250.0	1070	1.800	2.300
274	3148	3620	4327		18.267	250.0	1070	1.800	2.300
275	3153	3627	4339		18.333	250.0	1070	1.800	2.300
276	3158	3635	4350		18.400	250.0	1070	1.800	2.300
277	3163	3643	4362		18.467	250.0	1070	1.800	2.300
278	3167	3649	4373		18.533	250.0	1070	1.800	2.300
279	3172	3657	4385		18.600	250.0	1070	1.800	2.300
280	3176	3664	4397		18.667	250.0	1070	1.800	2.300
281	3181	3672	4408		18.733	250.0	1070	1.800	2.300
282	3185	3679	4420		18.800	250.0	1070	1.800	2.300
283	3189	3686	4432		18.867	250.0	1070	1.800	2.300
284	3194	3694	4443		18.933	250.0	1070	1.800	2.300
285	3198	3701	4455		19.000	250.0	1070	1.800	2.300
286	3202	3708	4467		19.067	250.0	1070	1.800	2.300
287	3207	3715	4478		19.133	250.0	1070	1.800	2.300
288	3211	3723	4490		19.200	250.0	1070	1.800	2.300
289	3215	3730	4502		19.267	250.0	1070	1.800	2.300
290	3220	3737	4513		19.333	250.0	1070	1.800	2.300
291	3224	3744	4525		19.400	250.0	1070	1.800	2.300
292	3228	3752	4537		19.467	250.0	1070	1.800	2.300
293	3233	3759	4548		19.533	250.0	1070	1.800	2.300
294	3237	3766	4560		19.600	250.0	1070	1.800	2.300
295	3241	3773	4572		19.667	250.0	1070	1.800	2.300
296	3246	3781	4583		19.733	250.0	1070	1.800	2.300
297	3250	3788	4595		19.800	250.0	1070	1.800	2.300
298	3254	3795	4607		19.867	250.0	1070	1.800	2.300
299	3258	3802	4618		19.933	250.0	1070	1.800	2.300
300	3262	3809	4630		20.000	250.0	1070	1.800	2.300

- See Schedule 4 paragraph 5(2)(b).

Length of ship (Metres)	Freeboard (m/m)				L 15	L 0.48	Complete super-Structure Allowance (m/m)	Superstructure Height	
	A	B-60%	B	*B with portable hatch covers				Raised Quarter Deck	Other
301	3266	3816	4642		20.067	250.0	1070	1.800	2.300
302	3270	3824	4654		20.133	250.0	1070	1.800	2.300
303	3274	3830	4665		20.200	250.0	1070	1.800	2.300
304	3278	3837	4676		20.267	250.0	1070	1.800	2.300
305	3281	3843	4686		20.333	250.0	1070	1.800	2.300
306	3285	3849	4695		20.400	250.0	1070	1.800	2.300
307	3288	3854	4704		20.467	250.0	1070	1.800	2.300
308	3292	3861	4714		20.533	250.0	1070	1.800	2.300
309	3295	3867	4725		20.600	250.0	1070	1.800	2.300
310	3298	3873	4736		20.667	250.0	1070	1.800	2.300
311	3302	3880	4748		20.733	250.0	1070	1.800	2.300
312	3305	3886	4757		20.800	250.0	1070	1.800	2.300
313	3308	3892	4768		20.867	250.0	1070	1.800	2.300
314	3312	3899	4779		20.933	250.0	1070	1.800	2.300
315	3315	3905	4790		21.000	250.0	1070	1.800	2.300
316	3318	3911	4801		21.067	250.0	1070	1.800	2.300
317	3322	3918	4812		21.133	250.0	1070	1.800	2.300
318	3325	3924	4823		21.200	250.0	1070	1.800	2.300
319	3328	3930	4834		21.267	250.0	1070	1.800	2.300
320	3331	3936	4844		21.333	250.0	1070	1.800	2.300
321	3334	3942	4855		21.400	250.0	1070	1.800	2.300
322	3337	3949	4866		21.467	250.0	1070	1.800	2.300
323	3339	3955	4878		21.533	250.0	1070	1.800	2.300
324	3342	3961	4890		21.600	250.0	1070	1.800	2.300
325	3345	3967	4899		21.667	250.0	1070	1.800	2.300
326	3347	3972	4909		21.733	250.0	1070	1.800	2.300
327	3350	3978	4920		21.800	250.0	1070	1.800	2.300
328	3353	3984	4931		21.867	250.0	1070	1.800	2.300
329	3355	3990	4943		21.933	250.0	1070	1.800	2.300
330	3358	3997	4955		22.000	250.0	1070	1.800	2.300
331	3361	4003	4965		22.067	250.0	1070	1.800	2.300
332	3363	4008	4975		22.133	250.0	1070	1.800	2.300
333	3366	4014	4985		22.200	250.0	1070	1.800	2.300
334	3368	4019	4995		22.267	250.0	1070	1.800	2.300
335	3371	4025	5005		22.333	250.0	1070	1.800	2.300
336	3373	4030	5015		22.400	250.0	1070	1.800	2.300
337	3375	4035	5025		22.467	250.0	1070	1.800	2.300
338	3378	4041	5035		22.533	250.0	1070	1.800	2.300
339	3380	4046	5045		22.600	250.0	1070	1.800	2.300
340	3382	4051	5055		22.667	250.0	1070	1.800	2.300
341	3385	4057	5065		22.733	250.0	1070	1.800	2.300
342	3387	4062	5075		22.800	250.0	1070	1.800	2.300
343	3389	4068	5086		22.867	250.0	1070	1.800	2.300
344	3392	4074	5097		22.933	250.0	1070	1.800	2.300
345	3394	4080	5108		23.000	250.0	1070	1.800	2.300
346	3396	4085	5119		23.067	250.0	1070	1.800	2.300
347	3399	4091	5130		23.133	250.0	1070	1.800	2.300
348	3401	4097	5140		23.200	250.0	1070	1.800	2.300
349	3403	4102	5150		23.267	250.0	1070	1.800	2.300
350	3406	4108	5160		23.333	250.0	1070	1.800	2.300
351	3408	4113	5170		23.400	250.0	1070	1.800	2.300
352	3410	4118	5180		23.467	250.0	1070	1.800	2.300
353	3412	4123	5190		23.533	250.0	1070	1.800	2.300
354	3414	4128	5200		23.600	250.0	1070	1.800	2.300
355	3416	4134	5210		23.667	250.0	1070	1.800	2.300
356	3418	4139	5220		23.733	250.0	1070	1.800	2.300
357	3420	4144	5230		23.800	250.0	1070	1.800	2.300

- See Schedule 4 paragraph 5(2)(b).

Length of ship (Metres)	Freeboard (m/m)				$\frac{L}{15}$	$\frac{L}{0.48}$	Complete super-Structure Allowance (m/m)	Superstructure Height	
	A	B-60%	B	*B with portable hatch covers				Raised Quarter Deck	Other
358	3422	4149	5240		23.867	250.0	1070	1.800	2.300
359	3423	4154	5250		23.933	250.0	1070	1.800	2.300
360	3425	4159	5260		24.000	250.0	1070	1.800	2.300
361	3427	4163	5268		24.067	250.0	1070	1.800	2.300
362	3428	4167	5276		24.133	250.0	1070	1.800	2.300
363	3430	4172	5285		24.200	250.0	1070	1.800	2.300
364	3432	4177	5294		24.267	250.0	1070	1.800	2.300
365	3433	4181	5303		24.333	250.0	1070	1.800	2.300

* See Schedule 4 paragraph 5(2)(b).

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
0.0	0.00	0.00	0.00	20.00
.1	.07	.05	.06	20.11
.2	.14	.10	.13	20.22
.3	.21	.15	.19	20.33
.4	.28	.20	.25	20.44
.5	.35	.25	.32	20.55
.6	.42	.30	.38	20.66
.7	.49	.35	.44	20.77
.8	.56	.40	.50	20.88
.9	.63	.45	.57	20.99
1.0	.70	.50	.63	21.10
1.1	.77	.55	.69	21.21
1.2	.84	.60	.76	21.32
1.3	.91	.65	.82	21.43
1.4	.98	.70	.88	21.54
1.5	1.05	.75	.95	21.65
1.6	1.12	.80	1.01	21.76
1.7	1.19	.85	1.07	21.87
1.8	1.26	.90	1.13	21.98
1.9	1.33	.95	1.20	22.09
2.0	1.40	1.00	1.26	22.20
2.1	1.47	1.05	1.32	22.31
2.2	1.54	1.10	1.39	22.42
2.3	1.61	1.15	1.45	22.53
2.4	1.68	1.20	1.51	22.64
2.5	1.75	1.25	1.58	22.75
2.6	1.82	1.30	1.64	22.86
2.7	1.89	1.35	1.70	22.97
2.8	1.96	1.40	1.76	23.08
2.9	2.03	1.45	1.83	23.19
3.0	2.10	1.50	1.89	23.30
3.1	2.17	1.55	1.95	23.41
3.2	2.24	1.60	2.02	23.52
3.3	2.31	1.65	2.08	23.63
3.4	2.38	1.70	2.14	23.74
3.5	2.45	1.75	2.21	23.85
3.6	2.52	1.80	2.27	23.96
3.7	2.59	1.85	2.33	24.07
3.8	2.66	1.90	2.39	24.18
3.9	2.73	1.95	2.46	24.29
4.0	2.80	2.00	2.52	24.40
4.1	2.87	2.05	2.58	24.51
4.2	2.94	2.10	2.65	24.62
4.3	3.01	2.15	2.71	24.73
4.4	3.08	2.20	2.77	24.84
4.5	3.15	2.25	2.84	24.95
4.6	3.22	2.30	2.90	25.06
4.7	3.29	2.35	2.96	25.17
4.8	3.36	2.40	3.02	25.28
4.9	3.43	2.45	3.09	25.39
5.0	3.50	2.50	3.15	25.50
5.1	3.57	2.55	3.21	25.61
5.2	3.64	2.60	3.28	25.72

The deduction in freeboard for superstructures and trunks on ships less than 24 metres in length (L) should be obtained by linear interpolation, ie between 0 and 350mm for lengths (L) of 0 to 24 metres.

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
5.3	3.71	2.65	3.34	25.83
5.4	3.78	2.70	3.40	25.94
5.5	3.85	2.75	3.47	26.05
5.6	3.92	2.80	3.53	26.16
5.7	3.99	2.85	3.59	26.27
5.8	4.06	2.90	3.65	26.38
5.9	4.13	2.95	3.72	26.49
6.0	4.20	3.00	3.78	26.60
6.1	4.27	3.05	3.84	26.71
6.2	4.34	3.10	3.91	26.82
6.3	4.41	3.15	3.97	26.93
6.4	4.48	3.20	4.03	27.04
6.5	4.55	3.25	4.10	27.15
6.6	4.62	3.30	4.16	27.26
6.7	4.69	3.35	4.22	27.37
6.8	4.76	3.40	4.28	27.48
6.9	4.83	3.45	4.35	27.59
7.0	4.90	3.50	4.41	27.70
7.1	4.97	3.55	4.47	27.81
7.2	5.04	3.60	4.54	27.92
7.3	5.11	3.65	4.60	28.03
7.4	5.18	3.70	4.66	28.14
7.5	5.25	3.75	4.73	28.25
7.6	5.32	3.80	4.79	28.36
7.7	5.39	3.85	4.85	28.47
7.8	5.46	3.90	4.91	28.58
7.9	5.53	3.95	4.98	28.69
8.0	5.60	4.00	5.04	28.80
8.1	5.67	4.05	5.10	28.91
8.2	5.74	4.10	5.17	29.02
8.3	5.81	4.15	5.23	29.13
8.4	5.88	4.20	5.29	29.24
8.5	5.95	4.25	5.36	29.35
8.6	6.02	4.30	5.42	29.46
8.7	6.09	4.35	5.48	29.57
8.8	6.16	4.40	5.54	29.68
8.9	6.23	4.45	5.61	29.79
9.0	6.30	4.50	5.67	29.90
9.1	6.37	4.55	5.73	30.01
9.2	6.44	4.60	5.80	30.12
9.3	6.51	4.65	5.86	30.23
9.4	6.58	4.70	5.92	30.34
9.5	6.65	4.75	5.99	30.45
9.6	6.72	4.80	6.05	30.56
9.7	6.79	4.85	6.11	30.67
9.8	6.86	4.90	6.17	30.78
9.9	6.93	4.95	6.24	30.89
10.0	7.00	5.00	6.30	31.00
10.1	7.07	5.05	6.36	31.11
10.2	7.14	5.10	6.43	31.22
10.3	7.21	5.15	6.49	31.33
10.4	7.28	5.20	6.56	31.44
10.5	7.35	5.25	6.62	31.55
10.6	7.42	5.30	6.68	31.66
10.7	7.49	5.35	6.75	31.77
10.8	7.56	5.40	6.81	31.88
10.9	7.63	5.45	6.88	31.99
11.0	7.70	5.50	6.94	32.10
11.1	7.77	5.55	7.00	32.21
11.2	7.84	5.60	7.07	32.32
11.3	7.91	5.65	7.13	32.43

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
11.4	7.98	5.70	7.20	32.54
11.5	8.05	5.75	7.26	32.65
11.6	8.12	5.80	7.32	32.76
11.7	8.19	5.85	7.39	32.87
11.8	8.26	5.90	7.45	32.98
11.9	8.33	5.95	7.52	33.09
12.0	8.40	6.00	7.58	33.20
12.1	8.47	6.05	7.64	33.31
12.2	8.54	6.10	7.71	33.42
12.3	8.61	6.15	7.77	35.53
12.4	8.68	6.20	7.84	33.64
12.5	8.75	6.25	7.90	33.75
12.6	8.82	6.30	7.96	33.86
12.7	8.89	6.35	8.03	33.97
12.8	8.96	6.40	8.09	34.08
12.9	9.03	6.45	8.16	34.19
13.0	9.10	6.50	8.22	34.30
13.1	9.17	6.55	8.28	34.41
13.2	9.24	6.60	8.35	34.52
13.3	9.31	6.65	8.41	34.63
13.4	9.38	6.70	8.48	34.74
13.5	9.45	6.75	8.54	34.85
13.6	9.52	6.80	8.60	34.96
13.7	9.59	6.85	8.67	35.07
13.8	9.66	6.90	8.73	35.18
13.9	9.73	6.95	8.80	35.29
14.0	9.80	7.00	8.86	35.40
14.1	9.87	7.05	8.92	35.51
14.2	9.94	7.10	8.99	35.62
14.3	10.01	7.15	9.05	35.73
14.4	10.08	7.20	9.12	35.84
14.5	10.15	7.25	9.18	35.95
14.6	10.22	7.30	9.24	36.06
14.7	10.29	7.35	9.31	36.17
14.8	10.36	7.40	9.37	36.28
14.9	10.43	7.45	9.44	36.39
15.0	10.50	7.50	9.50	36.50
15.1	10.57	7.55	9.56	36.61
15.2	10.64	7.60	9.63	36.72
15.3	10.71	7.65	9.69	36.83
15.4	10.78	7.70	9.76	36.94
15.5	10.85	7.75	9.82	37.05
15.6	10.92	7.80	9.88	37.16
15.7	10.99	7.85	9.95	37.27
15.8	11.06	7.90	10.01	37.38
15.9	11.13	7.95	10.08	37.49
16.0	11.20	8.00	10.14	37.60
16.1	11.27	8.05	10.20	37.71
16.2	11.34	8.10	10.27	37.82
16.3	11.41	8.15	10.33	37.93
16.4	11.48	8.20	10.40	38.04
16.5	11.55	8.25	10.46	38.15
16.6	11.62	8.30	10.52	38.26
16.7	11.69	8.35	10.59	38.37
16.8	11.76	8.40	10.65	38.48
16.9	11.83	8.45	10.72	38.59
17.0	11.90	8.50	10.78	38.70
17.1	11.97	8.55	10.84	38.81
17.2	12.04	8.60	10.91	38.92
17.3	12.11	8.65	10.97	39.03
17.4	12.18	8.70	11.04	39.14

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
17.5	12.25	8.75	11.10	39.25
17.6	12.32	8.80	11.16	39.36
17.7	12.39	8.85	11.23	39.47
17.8	12.46	8.90	11.29	39.58
17.9	12.53	8.95	11.36	39.69
18.0	12.60	9.00	11.42	39.80
18.1	12.67	9.05	11.48	39.91
18.2	12.74	9.10	11.55	40.02
18.3	12.81	9.15	11.61	40.13
18.4	12.88	9.20	11.68	40.24
18.5	12.95	9.25	11.74	40.35
18.6	13.02	9.30	11.80	40.46
18.7	13.09	9.35	11.87	40.57
18.8	13.16	9.40	11.93	40.68
18.9	13.23	9.45	12.00	40.79
19.0	13.30	9.50	12.06	40.90
19.1	13.37	9.55	12.12	41.01
19.2	13.44	9.60	12.19	41.12
19.3	13.51	9.65	12.25	41.23
19.4	13.58	9.70	12.32	41.34
19.5	13.65	9.75	12.38	41.45
19.6	13.72	9.80	12.44	41.56
19.7	13.79	9.85	12.51	41.67
19.8	13.86	9.90	12.57	41.78
19.9	13.93	9.95	12.64	41.89
20.0	14.00	10.00	12.70	42.00
20.1	14.07	10.05	12.76	42.11
20.2	14.14	10.10	12.83	42.22
20.3	14.21	10.15	12.89	42.33
20.4	14.28	10.20	12.95	42.44
20.5	14.35	10.25	13.02	42.55
20.6	14.42	10.30	13.08	42.66
20.7	14.49	10.35	13.14	42.77
20.8	14.56	10.40	13.20	42.88
20.9	14.63	10.45	13.27	42.99
21.0	14.70	10.50	13.33	43.10
21.1	14.77	10.55	13.39	43.21
21.2	14.84	10.60	13.46	43.32
21.3	14.91	10.65	13.52	43.43
21.4	14.98	10.70	13.58	43.54
21.5	15.05	10.75	13.65	43.65
21.6	15.12	10.80	13.71	43.76
21.7	15.19	10.85	13.77	43.87
21.8	15.26	10.90	13.83	43.98
21.9	15.33	10.95	13.90	44.09
22.0	15.40	11.00	13.96	44.20
22.1	15.47	11.05	14.02	44.31
22.2	15.54	11.10	14.09	44.42
22.3	15.61	11.15	14.15	44.53
22.4	15.68	11.20	14.21	44.64
22.5	15.75	11.25	14.28	44.75
22.6	15.82	11.30	14.34	44.86
22.7	15.89	11.35	14.40	44.97
22.8	15.96	11.40	14.46	45.08
22.9	16.03	11.45	14.53	45.19
23.0	16.10	11.50	14.59	45.30
23.1	16.17	11.55	14.65	45.41
23.2	16.24	11.60	14.72	45.52
23.3	16.31	11.65	14.78	45.63
23.4	16.38	11.70	14.84	45.74
23.5	16.45	11.75	14.91	45.85

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
23.6	16.52	11.80	14.97	45.96
23.7	16.59	11.85	15.03	46.07
23.8	16.66	11.90	15.09	46.18
23.9	16.73	11.95	15.16	46.29
24.0	16.80	12.00	15.22	46.40
24.1	16.87	12.05	15.28	46.51
24.2	16.94	12.10	15.35	46.62
24.3	17.01	12.15	15.41	46.73
24.4	17.08	12.20	15.47	46.84
24.5	17.15	12.25	15.54	46.95
24.6	17.22	12.30	15.60	47.06
24.7	17.29	12.35	15.66	47.17
24.8	17.36	12.40	15.72	47.28
24.9	17.43	12.45	15.79	47.39
25.0	17.50	12.50	15.85	47.50
25.1	17.57	12.55	15.91	47.61
25.2	17.64	12.60	15.98	47.72
25.3	17.71	12.65	16.04	47.83
25.4	17.78	12.70	16.10	47.94
25.5	17.85	12.75	16.17	48.05
25.6	17.92	12.80	16.23	48.16
25.7	17.99	12.85	16.29	48.27
25.8	18.06	12.90	16.35	48.38
25.9	18.13	12.95	16.42	48.49
26.0	18.20	13.00	16.48	48.60
26.1	18.27	13.05	16.54	48.71
26.2	16.34	13.10	16.61	48.82
26.3	18.41	13.15	16.67	48.93
26.4	18.48	13.20	16.73	49.04
26.5	18.55	13.25	16.80	49.15
26.6	18.62	13.30	16.86	49.26
26.7	18.69	13.35	16.92	49.37
26.8	18.76	13.40	16.98	49.48
26.9	18.83	13.45	17.05	49.59
27.0	18.90	13.50	17.11	49.70
27.1	18.97	13.55	17.17	49.81
27.2	19.04	13.60	17.24	49.92
27.3	19.11	13.65	17.30	50.03
27.4	19.18	13.70	17.36	50.14
27.5	19.25	13.75	17.43	50.25
27.6	19.32	13.80	17.49	50.36
27.7	19.39	13.85	17.55	50.47
27.8	19.46	13.90	17.61	50.58
27.9	19.53	13.95	17.68	50.69
28.0	19.60	14.00	17.74	50.80
28.1	19.67	14.05	17.80	50.91
28.2	19.74	14.10	17.87	51.02
28.3	19.81	14.15	17.93	51.13
28.4	19.88	14.20	17.99	51.24
28.5	19.95	14.25	18.06	51.35
28.6	20.02	14.30	18.12	51.46
28.7	20.09	14.35	18.18	51.57
28.8	20.16	14.40	18.24	51.68
28.9	20.23	14.45	18.31	51.79
29.0	20.30	14.50	18.37	51.90
29.1	20.37	14.55	18.43	52.01
29.2	20.44	14.60	18.50	52.12
29.3	20.51	14.65	18.56	52.23
29.4	20.58	14.70	18.62	52.34
29.5	20.65	14.75	18.69	52.45
29.6	20.72	14.80	18.75	52.56

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
29.7	20.79	14.85	18.81	52.67
29.8	20.86	14.90	18.87	52.78
29.9	20.93	14.95	18.94	52.89
30.0	21.00	15.00	19.00	53.00
30.1	21.10	15.09	19.09	53.11
30.2	21.20	15.17	19.17	53.22
30.3	21.30	15.26	19.26	53.33
30.4	21.40	15.34	19.34	53.44
30.5	21.50	15.43	19.43	53.55
30.6	21.60	15.51	19.51	53.66
30.7	21.70	15.60	19.60	53.77
30.8	21.80	15.68	19.68	53.88
30.9	21.90	15.77	19.77	53.99
31.0	22.00	15.85	19.85	54.10
31.1	22.10	15.94	19.94	54.21
31.2	22.20	16.02	20.02	54.32
31.3	22.30	16.11	20.11	54.43
31.4	22.40	16.19	20.19	54.54
31.5	22.50	16.28	20.28	54.65
31.6	22.60	16.36	20.36	54.76
31.7	22.70	16.45	20.45	54.87
31.8	22.80	16.53	20.53	54.98
31.9	22.90	16.62	20.62	55.09
32.0	23.00	16.70	20.70	55.20
32.1	23.10	16.79	20.79	55.31
32.2	23.20	16.87	20.87	55.42
32.3	23.30	16.96	20.96	55.53
32.4	23.40	17.04	21.04	55.64
32.5	23.50	17.13	21.13	55.75
32.6	23.60	17.21	21.21	55.86
32.7	23.70	17.30	21.30	55.97
32.8	23.80	1-7.38	21.38	56.08
32.9	23.90	17.47	21.47	56.19
33.0	24.00	17.55	21.55	56.30
33.1	25.10	17.64	21.64	56.41
33.2	25.20	17.72	21.72	56.52
33.3	25.30	17.81	21.81	56.63
33.4	25.40	17.89	21.89	56.74
33.5	25.50	17.98	21.98	56.85
33.6	25.60	18.06	22.06	56.96
33.7	25.70	18.15	22.15	57.07
33.8	25.80	18.23	22.23	57.18
33.9	25.90	18.32	22.32	57.29
34.0	26.00	18.40	22.40	57.40
34.1	26.10	18.49	22.49	57.51
34.2	26.20	18.57	22.57	57.62
34.3	26.30	18.66	22.66	57.73
34.4	26.40	18.74	22.74	57.84
34.5	26.50	18.83	22.83	57.95
34.6	26.60	18.91	22.91	58.06
34.7	26.70	19.00	23.00	58.17
34.8	26.80	19.08	23.08	58.28
34.9	26.90	19.17	23.17	58.39
35.0	27.00	19.25	23.25	58.50
35.1	26.10	19.34	23.34	58.61
35.2	26.20	19.42	23.42	58.72
35.3	26.30	19.51	23.51	58.83
35.4	26.40	19.59	23.59	58.94
35.5	26.50	19.68	23.68	59.05
35.6	26.60	19.76	23.76	59.16
35.7	26.70	19.85	23.85	59.27

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
35.8	26.80	19.93	23.93	59.38
35.9	26.90	20.02	24.02	59.49
36.0	27.00	20.10	24.10	59.60
36.1	27.10	20.19	24.19	59.71
36.2	27.20	20.27	24.27	59.82
36.3	27.30	20.36	24.36	59.93
36.4	27.40	20.44	24.44	60.04
36.5	27.50	20.53	24.53	60.15
36.6	27.60	20.61	24.61	60.26
36.7	27.70	20.70	24.70	60.37
36.8	27.80	20.78	24.78	60.48
36.9	27.90	20.87	24.87	60.59
37.0	28.00	20.95	24.95	60.70
37.1	28.10	21.04	25.04	60.81
37.2	28.20	21.12	25.12	60.92
37.3	28.30	21.21	25.21	61.03
37.4	28.40	21.29	25.29	61.14
37.5	28.50	21.38	25.38	61.25
37.6	28.60	21.46	25.46	61.36
37.7	28.70	21.55	25.55	61.47
37.8	28.80	21.63	25.63	61.58
37.9	28.90	21.72	25.72	61.69
38.0	29.00	21.80	25.80	61.80
38.1	29.10	21.89	25.89	61.91
38.2	29.20	21.97	25.97	62.02
38.3	29.30	22.06	26.06	62.13
38.4	29.40	22.14	26.14	62.24
38.5	29.50	22.23	26.23	62.35
38.6	29.60	22.31	26.31	62.46
38.7	29.70	22.40	26.40	62.57
38.8	29.80	22.48	26.48	62.68
38.9	29.90	22.57	26.57	62.79
39.0	30.00	22.65	26.65	62.90
39.1	30.10	22.74	26.74	63.01
39.2	30.20	22.82	26.82	63.12
39.3	30.30	22.91	26.91	63.23
39.4	30.40	22.99	26.99	63.34
39.5	30.50	23.08	27.08	63.45
39.6	30.60	23.16	27.16	63.56
39.7	30.70	23.25	27.25	63.67
39.8	30.80	23.33	27.33	63.78
39.9	30.90	23.42	27.42	63.89
40.0	31.00	23.50	27.50	64.00
40.1	31.10	23.59	27.59	64.06
40.2	31.20	23.67	27.67	64.12
40.3	31.30	23.76	27.76	64.18
40.4	31.40	23.84	27.84	64.24
40.5	31.50	23.93	27.93	64.30
40.6	31.60	24.01	28.01	64.36
40.7	31.70	24.10	28.10	64.42
40.8	31.80	24.18	28.18	64.48
40.9	31.90	24.27	28.27	64.54
41.0	32.00	24.35	28.35	64.60
41.1	32.10	24.44	28.44	64.66
41.2	32.20	24.52	28.52	64.72
41.3	32.30	24.61	28.61	64.78
41.4	32.40	24.69	28.69	64.84
41.5	32.50	24.78	28.78	64.90
41.6	32.60	24.86	28.86	64.96
41.7	32.70	24.95	28.95	65.02
41.8	32.80	25.03	29.03	65.08

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
41.9	32.90	25.12	29.12	65.14
42.0	33.00	25.20	29.20	65.20
42.1	33.10	25.29	29.29	65.26
42.2	33.20	25.37	29.37	65.32
42.3	33.30	25.46	29.46	65.38
42.4	33.40	25.54	29.54	65.44
42.5	33.50	25.63	29.63	65.50
42.6	33.60	25.71	29.71	65.56
42.7	33.70	25.80	29.80	65.62
42.8	33.80	25.88	29.88	65.68
42.9	33.90	25.97	29.97	65.74
43.0	34.00	26.05	30.05	65.80
43.1	34.10	26.14	30.14	65.86
43.2	34.20	26.22	30.22	65.92
43.3	34.30	26.31	30.31	65.98
43.4	34.40	26.39	30.39	66.04
43.5	34.50	26.48	30.48	66.10
43.6	34.60	26.56	30.56	66.16
43.7	34.70	26.65	30.65	66.22
43.8	34.80	26.73	30.73	66.28
43.9	34.90	26.82	30.82	66.34
44.0	35.00	26.90	30.90	66.40
44.1	35.10	26.99	30.99	66.46
44.2	35.20	27.07	31.07	66.52
44.3	35.30	27.16	31.16	66.58
44.4	35.40	27.24	31.24	66.64
44.5	35.50	27.33	31.33	66.70
44.6	35.60	27.41	31.41	66.76
44.7	35.70	27.50	31.50	66.82
44.8	35.80	27.58	31.58	66.88
44.9	35.90	27.67	31.67	66.94
45.0	36.00	27.75	31.75	67.00
45.1	36.10	27.84	31.84	67.06
45.2	36.20	27.92	31.92	67.12
45.3	36.30	28.01	32.01	67.18
45.4	36.40	28.09	32.09	67.24
45.5	36.50	28.18	32.18	67.30
45.6	36.60	28.26	32.26	67.36
45.7	36.70	28.35	32.35	67.42
45.8	36.80	28.43	32.43	67.48
45.9	36.90	28.52	32.52	67.54
46.0	37.00	28.60	32.60	67.60
46.1	37.10	28.60	32.69	67.66
46.2	37.20	28.77	32.77	67.72
46.3	37.30	28.86	32.86	67.78
46.4	37.40	28.94	32.94	67.84
46.5	37.50	29.03	33.03	67.90
46.6	37.60	29.11	33.11	67.96
46.7	37.70	29.20	33.20	68.02
46.8	37.80	29.28	33.28	68.08
46.9	37.90	29.37	33.37	68.14
47.0	38.00	29.45	33.45	68.20
47.1	38.10	29.54	33.54	68.26
47.2	38.20	29.62	33.62	68.32
47.3	38.30	29.71	33.71	68.38
47.4	38.40	29.79	33.79	68.44
47.5	38.50	29.88	33.88	68.50
47.6	38.60	29.96	33.96	68.56
47.7	38.70	30.05	34.05	68.62
47.8	38.80	30.13	34.13	68.68
47.9	38.90	30.22	34.22	68.74
48.0	39.00	30.30	34.30	68.80

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
48.1	39.10	30.39	34.39	68.86
48.2	39.20	30.47	34.47	68.92
48.3	39.30	30.56	34.56	68.98
48.4	39.40	30.64	34.64	69.04
48.5	39.50	30.73	34.73	69.10
48.6	39.60	30.81	34.81	69.16
48.7	39.70	30.90	34.90	69.22
48.8	39.80	30.98	34.98	69.28
49.9	39.90	31.07	35.07	69.34
49.0	40.00	31.15	35.15	69.40
49.1	40.10	31.24	35.24	69.46
49.2	40.20	31.32	35.32	69.52
49.3	40.30	31.41	35.41	69.58
49.4	40.40	31.49	35.49	69.64
49.5	40.50	31.58	35.58	69.70
49.6	40.60	31.66	35.66	69.76
49.7	40.70	31.75	35.75	69.82
49.8	40.80	31.83	35.83	69.88
49.9	40.90	31.92	35.92	69.94
50.0	41.00	32.00	36.00	70.00
50.1	41.11	32.14	36.10	70.06
50.2	41.22	32.28	36.20	70.12
50.3	41.33	32.42	36.30	70.18
50.4	41.44	32.56	36.40	70.24
50.5	41.55	32.70	36.50	70.30
50.6	41.66	32.84	36.60	70.36
50.7	41.77	32.98	36.70	70.42
50.8	41.88	33.12	36.80	70.48
50.9	41.99	33.26	36.90	70.54
51.0	42.10	33.40	37.00	70.60
51.1	42.21	33.54	37.10	70.66
51.2	42.32	33.68	37.20	70.72
51.3	42.43	33.82	37.30	70.78
51.4	42.54	33.96	37.40	70.84
51.5	42.65	34.10	37.50	70.90
51.6	42.76	34.24	37.60	70.96
51.7	42.87	34.38	37.70	71.02
51.8	42.98	34.52	37.80	71.08
51.9	43.09	34.66	37.90	71.14
52.0	43.20	34.80	38.00	71.20
52.1	43.31	34.94	38.10	71.26
52.2	43.42	35.08	38.20	71.32
52.3	43.53	35.22	38.30	71.38
52.4	43.64	35.36	38.40	71.44
52.5	43.75	35.50	38.50	71.50
52.6	43.86	35.64	38.60	71.56
52.7	43.97	35.78	38.70	71.62
52.8	44.08	35.92	38.80	71.68
52.9	44.19	36.06	38.90	71.74
53.0	44.30	36.20	39.00	71.80
53.1	44.41	36.34	39.10	71.86
53.2	44.52	36.48	39.20	71.92
53.3	44.63	36.62	39.30	71.98
53.4	44.74	36.76	39.40	72.04
53.5	44.85	36.90	39.50	72.10
53.6	44.96	37.04	39.60	72.16
53.7	45.07	37.18	39.70	72.22
53.8	45.18	37.32	39.80	72.28
53.9	45.29	37.46	39.90	72.34
54.0	45.40	37.60	40.00	72.40
54.1	45.51	37.74	40.10	72.46
54.2	45.62	37.88	40.20	72.52

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
54.3	45.73	38.02	40.30	72.58
54.4	45.84	38.16	40.40	72.64
54.5	45.95	38.30	40.50	72.70
54.6	46.06	38.44	40.60	72.76
54.7	46.17	38.58	40.70	72.82
54.8	46.28	38.72	40.80	72.88
54.9	46.39	38.86	40.90	72.94
55.0	46.50	39.00	41.00	73.00
55.1	46.61	39.14	41.10	73.06
55.2	46.72	39.28	41.20	73.12
55.3	46.83	39.42	41.30	73.18
55.4	46.94	39.56	41.40	73.24
55.5	47.05	39.70	41.50	73.30
55.6	47.16	39.84	41.60	73.36
55.7	47.27	39.98	41.70	73.42
55.8	47.38	40.12	41.80	73.48
55.9	47.49	40.26	41.90	73.54
56.0	47.60	40.40	42.00	73.60
56.1	47.71	40.54	42.10	73.66
56.2	47.82	40.68	42.20	73.72
56.3	47.93	40.82	42.30	73.78
56.4	48.04	40.96	42.40	73.84
56.5	48.15	41.10	42.50	73.90
56.6	48.26	41.24	42.60	73.96
56.7	48.37	41.38	42.70	74.02
56.8	48.48	41.52	42.80	74.08
56.9	48.59	41.66	42.90	74.14
57.0	48.70	41.80	43.00	74.20
57.1	48.81	41.94	43.10	74.26
57.2	48.92	42.08	43.20	74.32
57.3	49.03	42.22	43.30	74.38
57.4	49.14	42.36	43.40	74.44
57.5	49.25	42.50	43.50	74.50
57.6	49.36	42.64	43.60	74.56
57.7	49.47	42.78	43.70	74.62
57.8	49.58	42.92	43.80	74.68
57.9	49.69	43.06	43.90	74.74
58.0	49.80	43.20	44.00	74.80
58.1	49.91	43.34	44.10	74.86
58.2	50.02	43.48	44.20	74.92
58.3	50.13	43.62	44.30	74.98
58.4	50.24	43.76	44.40	75.04
58.5	50.35	43.90	44.50	75.10
58.6	50.46	44.04	44.60	75.16
58.7	50.57	44.18	44.70	75.22
58.8	50.68	44.32	44.80	75.28
58.9	50.79	44.46	44.90	75.34
59.0	50.90	44.60	45.00	75.40
59.1	51.01	44.74	45.10	75.46
59.2	51.12	44.88	45.20	75.52
59.3	51.23	45.02	45.30	75.58
59.4	51.34	45.16	45.40	75.64
59.5	51.45	45.30	45.50	75.70
59.6	51.56	45.44	45.60	75.76
59.7	51.67	45.58	45.70	75.82
59.8	51.78	45.72	45.80	75.88
59.9	51.89	45.86	45.90	75.94
60.0	52.00	46.00	46.00	76.00
60.1	52..11	46.17	46.17	76.06
60.2	52.22	46.34	46.34	76.12
60.3	52.33	46.51	46.51	76.18

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
60.4	52.44	46.68	46.68	76.24
60.5	52.55	46.85	46.85	76.30
60.6	52.66	47.02	47.02	76.36
60.7	52.77	47.19	47.19	76.42
60.8	52.88	47.36	47.36	76.48
60.9	52.99	47.53	47.53	76.54
61.0	53.10	47.70	47.70	76.60
61.1	53.21	47.87	47.87	76.66
61.2	53.32	48.04	48.04	76.72
61.3	53.43	48.21	48.21	76.78
61.4	53.54	48.38	48.38	76.84
61.5	53.65	48.55	48.55	76.90
61.6	53.76	48.72	48.72	76.96
61.7	58.87	48.89	48.89	77.02
61.8	53.98	49.06	49.06	77.08
61.9	54.09	49.23	49.23	77.14
62.0	54.20	49.40	49.40	77.20
62.1	54.31	49.57	49.57	77.26
62.2	54.42	49.74	49.74	77.32
62.3	54.53	49.91	49.91	77.38
62.4	54.64	50.08	50.08	77.44
62.5	54.75	50.25	50.25	77.50
62.6	54.86	50.42	50.42	77.56
62.7	54.97	50.59	50.59	77.62
62.8	55.08	50.76	50.76	77.68
62.9	55.19	50.93	50.93	77.74
63.0	55.30	51.10	51.10	77.80
63.1	55.41	51.27	51.27	77.86
63.2	55.52	51.44	51.44	77.92
63.3	55.63	51.61	51.61	77.98
63.4	55.74	51.78	51.78	78.04
63.5	55.85	51.95	51.95	78.10
63.6	55.96	52.12	52.12	78.16
63.7	56.07	52.29	52.29	78.22
63.8	56.18	52.46	52.46	78.28
63.9	56.29	52.63	52.63	78.34
64.0	56.40	52.80	52.80	78.40
64.1	56.51	52.97	52.97	78.46
64.2	56.62	53.14	53.14	78.52
64.3	56.73	53.31	53.31	78.58
64.4	56.84	53.48	53.48	78.64
64.5	56.95	53.65	53.65	78.70
64.6	57.06	53.82	53.82	78.76
64.7	57.17	53.99	53.99	78.82
64.8	57.28	54.16	54.16	78.88
64.9	57.39	54.33	54.33	78.94
65.0	57.50	54.50	54.50	79.00
65.1	57.61	54.67	54.67	79.06
65.2	57.72	54.84	54.84	79.12
65.3	57.83	55.01	55.01	79.18
65.4	57.94	55.18	55.18	79.24
65.5	58.05	55.35	55.35	79.30
65.6	58.16	55.52	55.52	79.36
65.7	58.27	55.69	55.69	79.42
65.8	58.38	55.86	55.86	79.48
65.9	58.49	56.03	56.03	79.54
66.0	58.60	56.20	56.20	79.6
66.1	58.71	56.37	56.37	79.66
66.2	58.82	56.54	56.54	79.72
66.3	58.93	56.71	56.71	79.78
66.4	59.04	56.88	56.88	79.84

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
66.5	59.15	57.05	57.05	79.90
66.6	59.26	57.22	57.22	79.96
66.7	59.37	57.39	57.39	80.02
66.8	59.48	57.56	57.56	80.08
66.9	59.59	57.73	57.73	80.14
67.0	59.70	57.90	57.90	80.20
67.1	59.81	58.07	58.07	80.26
67.2	59.92	58.24	58.24	80.32
67.3	60.03	58.41	58.41	80.38
67.4	60.14	58.58	58.58	80.44
67.5	60.25	58.75	58.75	80.50
67.6	60.36	58.92	58.92	80.56
67.7	61.47	59.09	59.09	80.62
67.8	60.58	59.26	59.26	80.68
67.9	60.69	59.43	59.43	80.74
68.0	60.80	59.60	59.60	80.80
68.1	60.91	59.77	59.77	80.86
68.2	61.02	59.94	59.94	80.92
68.3	61.13	60.11	60.11	80.98
68.4	61.24	60.28	60.28	81.04
68.5	61.35	60.45	60.45	81.10
68.6	61.46	60.62	60.62	81.16
68.7	61.57	60.79	60.79	81.22
68.8	61.68	60.96	60.96	81.28
68.9	61.79	61.13	61.13	81.34
69.0	61.90	61.30	61.30	81.40
69.1	62.01	61.47	61.47	81.46
69.2	62.12	61.64	61.64	81.52
69.3	62.23	61.81	61.81	81.58
69.4	62.34	61.98	61.98	81.64
69.5	62.45	62.15	62.15	81.70
69.6	62.56	62.32	62.32	81.76
69.7	62.67	62.49	62.49	81.82
69.8	62.78	62.66	62.66	81.88
69.9	62.89	62.83	62.83	81.94
70.0	63.00	63.00	63.00	82.00
70.1	63.12	63.12	63.12	82.06
70.2	63.25	63.25	63.25	82.12
70.3	63.37	63.37	63.37	82.18
70.4	63.49	63.49	63.49	82.24
70.5	63.62	63.62	63.62	82.30
70.6	63.74	63.74	63.74	82.36
70.7	63.86	63.86	63.86	82.42
70.8	63.98	63.98	63.98	82.48
70.9	64.11	64.11	64.11	82.54
71.0	64.23	64.23	64.23	82.60
71.1	64.35	64.35	64.35	82.66
71.2	64.48	64.48	64.48	82.72
71.3	64.60	64.60	64.60	82.78
71.4	64.72	64.72	64.72	82.84
71.5	64.85	64.85	64.85	82.90
71.6	64.97	64.97	64.97	82.96
71.7	65.09	65.09	65.09	83.02
71.8	65.21	65.21	65.21	83.08
71.9	65.34	65.34	65.34	83.14
72.0	65.46	65.46	65.46	83.20
72.1	65.58	65.58	65.58	83.26
72.2	65.71	65.71	65.71	83.32
72.3	65.83	65.83	65.83	83.38
72.4	65.95	65.95	65.95	83.44
72.5	66.08	66.08	66.08	83.50

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
72.6	66.20	66.20	66.20	83.56
72.7	66.32	66.32	66.32	83.62
72.8	66.44	66.44	66.44	83.68
72.9	66.57	66.57	66.57	83.74
73.0	66.69	66.69	66.69	83.80
73.1	66.81	66.81	66.81	83.86
73.2	66.94	66.94	66.94	83.92
73.3	67.06	67.06	67.06	83.98
73.4	67.18	67.18	67.18	84.04
73.5	67.31	67.31	67.31	84.10
73.6	67.43	67.43	67.43	84.16
73.7	67.55	67.55	67.55	84.22
73.8	67.67	67.67	67.67	84.28
73.9	67.80	67.80	67.80	84.34
74.0	67.92	67.92	67.92	84.40
74.1	68.04	68.04	68.04	84.46
74.2	68.17	68.17	68.17	84.52
74.3	68.29	68.29	68.29	84.58
74.4	68.41	68.41	68.41	84.64
74.5	68.54	68.54	68.54	84.70
74.6	68.66	68.66	68.66	84.76
74.7	68.78	68.78	68.78	84.82
74.8	68.90	68.90	68.90	84.88
74.9	69.03	69.03	69.03	84.94
75.0	69.15	69.15	69.15	85.00
75.1	69.27	69.27	69.27	85.06
75.2	69.40	69.40	69.40	85.12
75.3	69.52	69.52	69.52	85.18
75.4	69.64	69.64	69.64	85.24
75.5	69.77	69.77	69.77	85.30
75.6	69.89	69.89	69.89	85.36
75.7	70.01	70.01	70.01	85.42
75.8	70.13	70.13	70.13	85.48
75.9	70.26	70.26	70.26	85.54
76.0	70.38	70.38	70.38	85.60
76.0	70.50	70.50	70.50	85.66
76.2	70.63	70.63	70.63	85.72
76.3	70.75	70.75	70.75	85.78
76.4	70.87	70.87	70.87	85.84
76.5	71.00	71.00	71.00	85.90
76.6	71.12	71.12	71.12	85.96
76.7	71.24	71.24	71.24	86.02
76.8	71.36	71.36	71.36	86.08
76.9	71.49	71.49	71.49	86.14
77.0	71.61	71.61	71.61	86.20
77.1	71.73	71.73	71.73	86.26
77.2	71.86	71.86	71.86	86.32
77.3	71.98	71.98	71.98	86.38
77.4	72.10	72.10	72.10	86.44
77.5	72.23	72.23	72.23	86.50
77.6	72.35	72.35	72.35	86.56
77.7	72.47	72.47	72.47	86.62
77.8	72.59	72.59	72.59	86.68
77.9	72.72	72.72	72.72	86.74
78.0	72.84	72.84	72.84	86.80
78.1	72.96	72.96	72.96	86.86
78.2	73.09	73.09	73.09	86.92
78.3	73.21	73.21	73.21	86.98
78.4	73.33	73.33	73.33	87.04
78.5	73.46	73.46	73.46	87;10
78.6	73.58	73.58	73.58	87.16

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
78.7	73.70	73.70	73.70	87.22
78.8	73.82	73.82	73.82	87.28
78.9	73.95	73.95	73.95	87.34
79.0	74.07	74.07	74.07	87.40
79.1	74.19	74.19	74.19	87.46
79.2	74.32	74.32	74.32	87.52
79.3	74.44	74.44	74.44	87.58
79.4	74.56	74.56	74.56	87.64
79.5	74.69	74.69	74.69	87.70
79.6	74.81	74.81	74.81	87.76
79.7	74.93	74.93	74.93	87.82
79.8	75.05	75.05	75.05	87.88
79.9	75.18	75.18	75.18	87.94
80.0	75.30	75.30	75.30	88.00
80.1	75.42	75.42	75.42	88.06
80.2	75.55	75.55	75.55	88.12
80.3	75.67	75.67	75.67	88.18
80.4	75.80	75.80	75.80	88.24
80.5	75.92	75.92	75.92	88.30
80.6	76.04	76.04	76.04	88.36
80.7	76.17	76.17	76.17	88.42
80.8	76.29	76.29	76.29	88.48
80.9	76.42	76.42	76.42	88.54
81.0	76.54	76.54	76.54	88.60
81.1	76.66	76.66	76.66	88.66
81.2	76.79	76.79	76.79	88.72
81.3	76.91	76.91	76.91	88.78
81.4	77.04	77.04	77.04	88.84
81.5	77.16	77.16	77.16	88.90
81.6	77.28	77.28	77.28	88.96
81.7	77.41	77.41	77.41	89.02
81.8	77.53	77.53	77.53	89.08
81.9	77.66	77.66	77.66	89.14
82.0	77.78	77.78	77.78	89.20
82.1	77.90	77.90	77.90	89.26
82.2	78.03	78.03	78.03	89.32
82.3	78.15	78.15	78.15	89.38
82.4	78.28	78.28	78.28	89.44
82.5	78.40	78.40	78.40	89.50
82.6	78.52	78.52	78.52	89.56
82.7	78.65	78.65	78.65	89.62
82.8	78.77	78.77	78.77	89.68
82.9	78.90	78.90	78.90	89.74
83.0	79.02	79.02	79.02	89.80
83.1	79.16	79.16	79.16	89.86
83.2	79.27	79.27	79.27	89.92
83.3	79.39	79.39	79.39	89.98
83.4	79.52	79.52	79.52	90.04
83.5	79.64	79.64	79.64	90.10
83.6	79.76	79.76	79.76	90.16
83.7	79.89	79.89	79.89	90.22
83.8	80.01	80.01	80.01	90.38
83.9	80.14	80.14	80.14	90.34
84.0	80.26	80.26	80.26	90.40
84.1	80.38	80.38	80.38	90.46
84.2	80.51	80.51	80.51	90.52
84.3	80.63	80.63	80.63	90.58
84.4	80.76	80.76	80.76	90.64
84.5	80.88	80.88	80.88	90.70
84.6	81.00	81.00	81.00	90.76
84.7	81.13	81.13	81.13	90.82

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
84.8	81.25	81.25	81.25	90.88
84.9	81.38	81.38	81.38	90.94
85.0	81.50	81.50	81.50	91.00
85.1	81.62	81.62	81.62	91.06
85.2	81.75	81.75	81.75	91.12
85.3	81.87	81.87	81.87	91.18
85.4	82.00	82.00	82.00	91.24
85.5	82.12	82.12	82.12	91.30
85.6	82.24	82.24	82.24	91.36
85.7	82.37	82.37	82.37	91.42
85.8	82.49	82.49	82.49	91.48
85.9	82.62	82.62	82.62	91.54
86.0	82.74	82.74	82.74	91.60
86.1	82.86	82.86	82.86	91.66
86.2	82.99	82.99	82.99	91.72
86.3	83.11	83.11	83.11	91.78
86.4	83.24	83.24	83.24	98.84
86.5	83.36	83.36	83.36	91.90
86.6	83.48	83.48	83.48	91.96
86.7	83.61	83.61	83.61	92.02
86.8	83.73	83.73	83.73	92.08
86.9	83.86	83.86	83.86	92.14
87.0	83.98	83.98	83.98	92.20
87.1	84.10	84.10	84.10	92.26
87.2	84.23	84.23	84.23	92.32
87.3	84.35	84.35	84.35	92.38
87.4	84.48	84.48	84.48	92.44
87.5	84.60	84.60	84.60	92.50
87.6	84.72	84.72	84.72	92.56
87.7	84.85	84.85	84.85	92.62
87.8	84.97	84.97	84.97	92.68
87.9	85.10	85.10	85.10	92.74
88.0	85.22	85.22	85.22	92.80
88.1	85.34	85.34	85.34	92.86
88.2	85.47	85.47	85.47	92.92
88.3	85.59	85.59	85.59	92.98
88.4	85.72	85.72	85.72	93.04
88.5	85.84	85.84	85.84	93.10
88.6	85.96	85.96	85.96	93.16
88.7	86.09	86.09	86.09	93.22
88.8	86.21	86.21	86.21	93.28
88.9	86.34	86.34	86.34	93.34
89.0	86.46	86.46	86.46	93.40
89.1	86.58	86.58	86.58	93.46
89.2	86.71	86.71	86.71	93.52
89.3	86.83	86.83	86.83	93.58
89.4	86.96	86.96	86.96	93.64
89.5	87.08	87.08	87.08	93.70
89.6	87.20	87.20	87.20	93.76
89.7	87.33	87.33	87.33	93.82
89.8	87.45	87.45	87.45	93.88
89.9	87.58	87.58	87.58	93.94
90.0	87.70	87.70	87.70	94.00
90.1	87.82	87.82	87.82	94.06
90.2	87.95	87.95	87.95	94.12
90.3	88.07	88.07	88.07	94.18
90.4	88.19	88.19	88.19	94.24
90.5	88.32	88.32	88.32	94.30
90.6	88.44	88.44	88.44	94.36
90.7	88.56	88.56	88.56	94.42
90.8	88.68	88.68	88.68	94.48

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
90.9	88.81	88.81	88.81	94.54
91.0	88.93	88.93	88.93	94.60
91.1	89.05	89.05	89.05	94.66
91.2	89.18	89.18	89.18	94.72
91.3	89.30	89.30	89.30	94.78
91.4	89.42	89.42	89.42	94.84
91.5	89.55	89.55	89.55	94.90
91.6	89.67	89.67	89.67	94.96
91.7	89.79	89.79	89.79	95.02
91.8	89.91	89.91	89.91	95.08
91.9	90.04	90.04	90.04	95.14
92.0	90.16	90.16	90.16	95.20
92.1	90.28	90.28	90.28	95.26
92.2	90.41	90.41	90.41	95.32
92.3	90.53	90.53	90.53	95.38
92.4	90.65	90.65	90.65	95.44
92.5	90.78	90.78	90.78	95.50
92.6	90.90	90.90	90.90	95.56
92.7	91.02	91.02	91.02	95.62
92.8	91.14	91.14	91.14	95.68
92.9	91.27	91.27	91.27	95.74
93.0	91.39	91.39	91.39	95.80
93.1	91.51	91.51	91.51	95.86
93.2	91.64	91.64	91.64	95.92
93.3	91.76	91.76	91.76	95.98
93.4	91.88	91.88	91.88	96.04
93.5	92.01	92.01	92.01	96.10
93.6	92.13	92.13	92.13	96.16
93.7	92.25	92.25	92.25	96.22
93.8	92.37	92.37	92.37	96.28
93.9	92.50	92.50	92.50	96.34
94.0	92.62	92.62	92.62	96.40
94.1	92.74	92.74	92.74	96.46
94.2	92.87	92.87	92.87	96.52
94.3	92.99	92.99	92.99	96.58
94.4	93.11	93.11	93.11	96.64
94.5	93.24	93.24	93.24	96.70
94.6	93.36	93.36	93.36	96.76
94.7	93.48	93.48	93.48	96.82
94.8	93.60	93.60	93.60	96.88
94.9	93.73	93.73	93.73	96.94
95.0	93.85	93.85	93.85	97.00
95.1	93.97	93.97	93.97	97.06
95.2	94.10	94.10	94.10	97.12
95.3	94.22	94.22	94.22	97.18
95.4	94.34	94.34	94.34	97.24
95.5	94.47	94.47	94.47	97.30
95.6	64.59	64.59	64.59	97.36
95.7	94.71	94.71	94.71	97.42
95.8	94.83	94.83	94.83	97.48
95.9	94.96	94.96	94.96	97.54
96.0	95.08	95.08	95.08	97.60
96.1	95.20	95.20	95.20	97.66
96.2	95.33	95.33	95.33	97.72
96.3	95.45	95.45	95.45	97.78
96.4	95.57	95.57	95.57	97.84
96.5	95.70	95.70	95.70	97.90
96.6	95.82	95.82	95.82	97.96
96.7	95.94	95.94	95.94	98.02
96.8	96.06	96.06	96.06	98.08
96.9	96.19	96.19	96.19	98.14
97.0	96.31	96.31	96.31	98.20

Effective length of Superstructure 'E' as % of (L)	On Type A ships (% deduction)	On Type B ship (% deduction)		On Timber deck Cargo ships (% deduction)
		(Line I)	(Line II)	
97.1	96.43	96.43	96.43	98.26
97.2	96.56	96.56	96.56	98.32
97.3	96.68	96.68	96.68	98.38
97.4	96.80	96.80	96.80	98.44
97.5	96.93	96.93	96.93	98.50
97.6	97.05	97.03	97.03	98.56
97.7	97.17	97.17	97.17	98.62
97.8	97.29	97.29	97.29	98.68
97.9	97.42	97.42	97.42	98.74
98.0	97.54	97.54	97.54	98.80
98.1	97.66	97.66	97.66	98.86
98.2	97.79	97.79	97.79	98.92
98.3	97.91	97.91	97.91	98.98
98.4	98.03	98.03	98.03	99.04
98.5	98.16	98.16	98.16	99.10
98.6	98.28	98.28	98.28	99.16
98.7	98.40	98.40	98.40	99.22
98.8	98.52	98.52	98.52	99.28
98.9	98.65	98.65	98.65	99.34
99.0	98.77	98.77	98.77	99.40
99.1	98.89	98.89	98.89	99.46
99.2	99.02	99.02	99.02	99.52
99.3	99.14	99.14	99.14	99.58
99.4	99.26	99.26	99.26	99.64
99.5	99.39	99.39	99.39	99.70
99.6	99.51	99.51	99.51	99.76
99.7	99.63	99.63	99.63	99.82
99.8	99.75	99.75	99.75	99.88
99.9	99.88	99.88	99.88	99.94
100.0	100.0	100.0	100.0	100.0