

TABLE 12(2)—Continued
VALUES OF “A” FOR USE IN THE EXPRESSION
 $P_1 = P + “A” (L/D - L/D_s)$

Length of Ship (feet)	Value of “A”
120	0.00644
130	0.00594
140	0.00546
150	0.00500
160	0.00456
170	0.00414
180	0.00374
190	0.00336
200	0.00300
210	0.00266
220	0.00234
230	0.00204
240	0.00176
250	0.00150
260	0.00126
270	0.00104
280	0.00084
290	0.00066
300	0.00050
310	0.00036
320	0.00024
330	0.00014
340	0.00006
350	0.00000

TABLE 12(3)
VALUES OF L/D_s

Length of Ship (feet)	Value of L/D _s
80	6.50000
90	6.76563
100	7.03125
110	7.29688
120	7.56250
130	7.82813
140	8.09375
150	8.35938
160	8.62500
170	8.89063
180	9.19625
190	9.42188
200	9.68750
210	9.95313
220	10.21875
230	10.48438
240	10.75000
250	11.01563
260	11.28125
270	11.54688
280	11.81250
290	12.07813
300	12.34375
310	12.60938
320	12.87500
330	13.14063
340	13.40625
350	13.67188
360	13.93750
370	14.20313
380	14.46875
390	14.73438
400	15.00000

- (h) Superstructures which are not enclosed have no effective length.
- (i) When a lower deck is designated as the freeboard deck, that part of the

hull which extends above the freeboard deck is treated as a superstructure so far as concerns the application of the conditions of assignment and the calculation of freeboard.

(j) A bridge or poop is enclosed only when access is provided whereby the crew may reach accommodations, machinery, or other working spaces inside the superstructure by alternative means that are available at all times when bulkhead openings are closed.

§ 45.61 Correction for superstructures and trunks.

(a) Where the effective length E of superstructures and trunks that meet the requirements of subpart D of this part is $1.0L$, the minimum summer freeboard may be corrected by subtracting $\frac{1}{2}H_s$.

(b) Where the effective length of superstructures and trunks is less than $1.0L$ the minimum summer freeboard may be corrected by subtracting a percentage of one-half of the standard superstructure height (H_s) determined by the formula:

$$\text{Percentage} = (E/2L) (1 + E/L) \times 100$$

(c) To be eligible for the correction a trunk must—

- (1) Be at least as strong and as stiff as a superstructure;
- (2) Have no opening in the freeboard deck in way of the trunk, except small access openings;
- (3) Have hatchway coamings and covers that meet §§ 45.143 through 45.147;
- (4) Provide a permanent working platform fore and aft with guardrails;
- (5) Provide fore and aft access between detached trunks and superstructures by permanent gangways;
- (6) Be at least 60 percent of the breadth of the ship in way of the trunk; and
- (7) Be at least $0.6 L$ in length, if no superstructure, is provided.

§ 45.63 Correction for sheer.

(a) The minimum summer freeboard must be increased by the deficiency, or may be decreased by the excess as limited by § 45.65, of sheer calculated from table 4, multiplied by:

$$0.75 - (S/2L)$$

where S is the total length of enclosed superstructures. Trunks are not included.