

# Flush On / Fall Scantling

## Lloyd's Register of Shipping.

### SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, ~~SAILING SHIP~~, TANKER.)

Index. No. **30889**  
(For London Office only).

Ship's Name <b>Tabano</b>	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length <b>480.25</b> Breadth <b>61.0</b> Depth <b>43.75</b>					Date of Survey
Moulded displacement at moulded draught = 85 per cent. of moulded depth					Surveyor's Signature
Efficient of fineness for use with Tables <b>70.4</b>					Particulars of Classification

<b>Depth for Freeboard (D).</b> Moulded depth ... <b>43.75</b> Upper plate ... <b>0.6</b> Height on exposed deck $\frac{L-S}{L} =$ Depth for Freeboard (D) = <b>43.81</b>	<b>Depth correction.</b> (a) Where D is greater than Table depth $(D - \text{Table depth}) R = (43.81 - 32.02) \times 3 = +35.37$ $11.79$ (b) Where D is less than Table depth (if allowed) (Table depth - D) R = If restricted by superstructures	<b>Round of Beam correction.</b> Moulded Breadth (B) Standard Round of Beam = $\frac{B \times 12}{50} =$ Ship's Round of Beam = <b>Standard</b> Difference Restricted to Correction = $\frac{\text{Diff}^e}{4} \times (1 - \frac{S_1}{L}) =$ <b>Nil</b>
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#### DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Enclosed ...					
Overhang ...					
D. enclosed ...					
Overhang ...					
Enclosed ...					
Overhang aft ...					
Overhang forward ...					
Enclosed ...					
Overhang ...					
Enclosed aft ...					
Forward ...					
Enclosed opening aft ...					
Forward ...					
Total ...					

Standard Height of Superstructure ...  
 " " R.Q.D. ...  
 Deduction for complete superstructure ...  
 Percentage covered  $\frac{S}{L} =$  **Nil**  
 " "  $\frac{S_1}{L} =$   
 " "  $\frac{E}{L} =$   
 Percentage from Table, Line A.  
 (corrected for absence of forecastle (if required))  
 Percentage from Table, Line B.  
 (corrected for absence of forecastle (if required))  
 Interpolation for bridge less than 2L (if required)  
 Deduction = **Nil**

#### SHEER CORRECTION.

Position	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
...		1					1		
A.P. ...		4					4		
...		2					2		
...		4					4		
F.P. ...		2					2		
...		4					4		
...		1					1		
Total ...									

Correction =  $\frac{\text{Difference between sums of products}}{18} \left( \frac{75-S}{2L} \right) =$  **Nil**  
 Limited on account of midship superstructure.  
 If limited to maximum allowance of  $1\frac{1}{2}$  ins. per 100 ft.

<b>Correction for Tropical Freeboard.</b> Correction for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = <b>43.81</b> Summer freeboard = <b>11.12</b> Moulded draught (d) = <b>32.69</b> Correction for Tropical freeboard and addition for freeboard = $\frac{d}{4}$ inches = Winter North Atlantic Freeboard (if ... ) =	<b>Deduction for Fresh Water.</b> Displacement in salt water at summer load water line $\Delta =$ Tons per inch immersion at summer load water line $T =$ Deduction = $\frac{\Delta}{40T}$ inches =	<b>TABULAR FREEBOARD</b> corrected for Flush Deck (if required) Correction for coefficient <b>70.4 - 68 = 1.36</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th>+</th> <th>-</th> </tr> <tr> <td>Depth Correction ...</td> <td><b>35.37</b></td> <td></td> </tr> <tr> <td>Deduction for superstructures ...</td> <td></td> <td></td> </tr> <tr> <td>Sheer correction ...</td> <td></td> <td></td> </tr> <tr> <td>Round of Beam correction ...</td> <td></td> <td></td> </tr> <tr> <td>Correction for Thickness of Deck amidships ...</td> <td></td> <td></td> </tr> <tr> <td>Other corrections, scantlings, etc. ...</td> <td></td> <td></td> </tr> <tr> <td><b>Summer Freeboard</b></td> <td><b>133.45</b></td> <td></td> </tr> </table>		+	-	Depth Correction ...	<b>35.37</b>		Deduction for superstructures ...			Sheer correction ...			Round of Beam correction ...			Correction for Thickness of Deck amidships ...			Other corrections, scantlings, etc. ...			<b>Summer Freeboard</b>	<b>133.45</b>	
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#### SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~Wood~~, Steel, Deck:

Tropical Fresh Water Line above Centre of Disc ...	Tropical Fresh Water Freeboard ...
Fresh Water Line " " ...	Fresh Water " " ...
Tropical Line " " ...	Tropical " " ...
Winter Line below " " ...	Winter " " ...
Winter North Atlantic Line " " ...	Winter North Atlantic " " ...