

SS. 238. Midship-Section.

Rule Length 401'0", Breadth 52'3 1/2" Depth m^{ld} to Upperdeck 31'0" ditto to Bridgedeck 39'0"

Breadth 52.2947
Depth 31.0
Length 83.2947 Transverse N°
401.0
33399.97 Longitudinal N°

Breadth to Length 7.67
Depths " " to Upperd^{ks} 12.94
" " " Bridged^{ks} 10.23
Depth(d) for frames 19'2"

Equipment
Under Deck 33399.97
3/4 Poop Bridge & Forecastle 134.70
1/2 Casings 202.796-83
3/4 Deckhouse 147.94
Numerical 33076.27
35216.91

3 Rover Anchors stockless Collective weight 182 Cwts
1 Stream Anchor ink Stock 21-3-12
1 Kedge Anchor " " 9-1-14
270 Fathoms Stud-chain cable 2 1/4" diam
90 " 1 1/2" chain 8 1/4" dia wire

120 Fathoms Steel Tonnage 5" Circumf.
2 x 90 " Hempen Hawser 8" "
2 x 90 " " " 8" "
2 x 90 " " " 8" "

Double Buttstraps where Sheerstrake above .34" thick.

Scale 1/2" = 1'

Hatches

Length	Sides	Ends
40' 10"	18' 36"	36"
24' 8"	39" 44"	40"
28' 2"	39" 44"	40"
17' 7"	34" 44"	40"

Hatches

Length	Sides	Ends
40' 10"	18' 36"	36"
24' 8"	39" 44"	40"
28' 2"	39" 44"	40"
25' 10"	18' 48"	40"

Upper Deck from within Bridge to ends

Length of beam	Beam Spacing	Pillars	Beams	Knees	Hatch Beams	Stringer Plate	Stringer Angles	Deck	Riveting
51 ft 6"	26 inches	Two Rows	Two Rows	Two Rows	One Row	24 inches	One Row	6 1/2 x 3-40	22 x 42
51 ft 6"	26 inches	Two Rows	Two Rows	Two Rows	One Row	24 inches	One Row	6 1/2 x 3-40	22 x 42
51 ft 6"	26 inches	Two Rows	Two Rows	Two Rows	One Row	24 inches	One Row	6 1/2 x 3-40	22 x 42

2nd Deck

Length of beam	Beam Spacing	Pillars	Beams	Knees	Hatch Beams	Stringer Plate	Stringer Angles	Deck	Riveting
51 ft 9"	26 inches	Two Rows	Two Rows	Two Rows	One Row	24 inches	One Row	6 1/2 x 3-42	22 x 46
51 ft 9"	26 inches	Two Rows	Two Rows	Two Rows	One Row	24 inches	One Row	6 1/2 x 3-42	22 x 46
51 ft 9"	26 inches	Two Rows	Two Rows	Two Rows	One Row	24 inches	One Row	6 1/2 x 3-42	22 x 46

Rule Bulbangles

Size	Moments of Resistance	German Standard Sections	Size	Moments of Resistance
inches	inches	Millimeter	inches	inches
7 x 3-42	7.636	100.80 x 115.115	8.482	8.482
7 x 3-44	7.997	100.80 x 115.115	8.482	8.482
7 x 3-46	8.359	200.85 x 12.12	10.86	10.86
8 x 3-46	10.823	200.85 x 12.12	10.86	10.86
9 x 3-52	16.68	270.95 x 14.14	18.22	18.22
10 x 3-56	19.479	270.95 x 15.15	19.22	19.22
11 x 3-52	21.779	260.5 x 13.135	21.799	21.799

Frame Spacing

Holds	Engines/Boiler Space	Pilots
26 inches	26 inches	26 inches
10' 3 3/4" 56	7' 3 3/4" 44	7' 3 3/4" 44
23' 11" 44	23' 11" 44	23' 11" 44

Cellular Double Bottom

Plating	Ends	Engine	Boiler Sp	Angles	Hamships	Ends	Boiler Sp
Centre Girder	43' 50"	40	50	60	34' 35" 50	46	60
Side Girders	40	36	40	50	44' 44" 60	54	60
Floors	40	36	40	50	6' 6" 46	34' 35" 50	60
Brackets at Margin Pl	40	36	40	50	34' 35" 50	36	50
Margin Plate	40	36	40	50	34' 35" 50	36	50
Classical End Refr.	40	36	40	50	34' 35" 50	36	50
Middleline Strake	43' 50"	40	50	56	6' 6" 46	34' 35" 50	60
Side Strakes	40	36	40	56	4' 4" 48	48	48
					34' 35" 50	38	40
					34' 35" 50	38	50

Webplates in Engine & Boiler Space 23.44 See Profile
Frames to Webs 3 1/2 x 3 1/2 x 44
Fore Angles to Webs 7 x 3 1/2 x 64
Stringer Plate 27 x 42 flanged
" " Buttstraps 48 x 7 x 56
Interostal Angles 3 1/2 x 3 1/2 x 44

Riveting: Butts of Centre girder, Marginplate and Middleline strake treble lapped full length, butts of Tanktop treble lapped in Engine & Boiler Space. Double lapped in Holds for 1/2 L, single at ends. Edges of Middle line strake double full length. " " Tanktop double in E & B spaces, single in Holds.

Double frames on Tankfloors forward of 3/5 L am. Double reverse frames in Engine Space and under Boiler bearers

For Spacing and Dimensions of wide spaced hollow Pillars and girders see Longitudinal Plan.

Stringer in Holds
Stringer Angles 6 1/2 x 3 1/2 x 50
Interostalplate 44
" " angle 3 1/2 x 3 1/2 x 44

Riveting of Butts of Outsideplating 7 treble.
Keel plate double Straps treble riveted. Ends quadruplylapped.
Sheerstrake where above .34" double straps treble riveted. Remainder of Shellplating quadruple lapped for 1/2 L, treble at ends.
Bridge Sideplating double Straps treble riveted.
Poop and Forecastle double riveted buttjoints

Double Riveting of Landing edges
Sheer strake treble lapped where above .34" double straps treble riveted.
All other landing edges double riveted.
Poop & Forecastle " " single riveted.
Rivet spacing in frames 6 inches diam.

Rise of Tanktop 3"

Plating attached to Propeller Post of midship thickness

Boss Plates .74

Midship Section

RETAIN

Boardwalk

0° 5'

0° 5'

Moog Inc

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Foundation