

S/S "BELFAST MARU" (Kawasaki Dryd No. 480.)

403 x 53 x 37 to Awning Deck, 29 to Upper Deck.

Section in way of
No. 3 Hatch.

Assumed N.A. = 15 ft above base.

Below Assumed Axis

Above Assumed Axis.

Item	Scantlings	Area	H	Ah	Ah ²	Item	Scantlings	Area	H	Ah	Ah ²
Plate	$\frac{1}{2} \times 47 \times 1.00$	23.50	15.04	353.4	5,320	Aw.Dk.Str.Pl.	55 x .54	29.70	22.23	660.2	14,680
Order Pl.	$\frac{1}{2} \times 43 \times .50$	10.75	13.13	141.2	1,860	" " Plating	59 x .40	23.60	22.55	532.2	12,000
B Angle	$4\frac{1}{2} \times 4\frac{1}{2} \times .60$	5.04	14.89	75.0	1,120	" " "	60 x .42	25.20	22.75	573.2	13,040
T "	$\frac{1}{2} \times 4\frac{1}{2} \times 4\frac{1}{2} \times .60$	2.52	11.53	29.1	330	" " "	38 x .44	16.72	22.90	382.9	8,760
Strake	$\frac{1}{2} \times 43 \times .50$	10.75	11.40	122.5	1,400	" " Str.Angle	5 x 5 x .60	5.64	22.15	124.9	2,770
Plating	63.0 x .40	25.20	11.40	287.3	3,270	Up.Dk. Strake	40 x .48	19.20	14.23	273.2	3,890
"	63.25 x .40	25.30	11.40	288.4	3,290	" " Plating	63 x .40	25.20	14.50	364.9	5,290
"	63.25 x .40	25.30	11.40	288.4	3,290	" " "	63 x .40	25.20	14.70	370.4	5,440
"	63.0 x .40	25.20	11.40	287.3	3,270	" " "	445 x .42	18.69	14.90	278.5	4,150
Plate	44.0 x .48	21.12	12.95	273.6	3,540	" " Str.Angle	$3\frac{1}{2} \times 3\frac{1}{2} \times .48$	3.13	14.10	44.1	620
"	6.0 x .48	2.88	11.40	32.9	370	2nd Dk. Stringer	37.5 x .44	16.50	4.73	78.0	370
Angle	4 x 4 x .48	3.61	14.35	51.8	740	" " Plating	62 x .34	21.08	5.00	105.4	530
Strake A	72 x .64	46.08	14.95	688.9	10,300	" " "	63 x .34	21.42	5.20	111.4	580
" B	72 x .64	46.08	14.95	688.9	10,300	" " "	45.5 x .34	15.47	5.40	83.6	450
" C	72 x .64	46.08	14.9	686.6	10,230	Sheerstrake	47 x .68	21.96	20.71	661.9	13,710
" D	59 x .64	37.76	14.85	560.7	8,320	Shell Strake L	58 x .64	27.12	16.83	624.8	10,520
" E	72 x .64	46.08	13.50	622.1	8,390	" " K	72 x .64	46.08	11.85	546.0	6,470
" F	51 x .64	32.64	9.52	310.7	2,960	" " J	72 x .64	46.08	6.23	289.8	1,820
" G	72 x .64	46.08	4.83	222.6	1,070	" " H	44.75 x .64	28.64	1.86	53.3	100
" H	27.25 x .64	17.44	1.14	19.9	20			456.63		6158.8	105,190
		499.41		6031.3	79,390	Below assumed axis :-		499.41		6031.3	79,390
								956.04		127.5	18,450

2
369,160

Neutral Axis above assumed axis = .133

Correction :- 20 x 2 = .40

Moment of Inertia (corrected) = 369,120

Lever :- = 21.87

Modulus of Section :- = 16,880



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