

STEEL  
Made at the Motala Steel and Iron Works

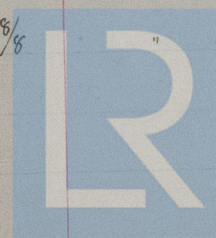
## TESTS.

by the Bessemer Process.

Tested at Motala Works.

Date of Trial.	Where Tested.	Name of Builder of Ship.	Yard. No.	Description of Steel.	For what purpose intended.	Number of Sample.	Number of Plates or Angle Irons selected from.	Dimensions of Sample.			Breaking Strain of Sample.	Breaking Strain per Sq. Inch.	Elongation.	Forge Tests.				Remarks.
								Br'dth	Thick-ness.	Area.				Hot or Cold	Diamet'r required	Diamet'r bent to.	Results.	
								Ins.	Ins.	Tons.			Ins.		Ins.	Ins.		
	Motala	Motala Comp		Angle Steel	Reversed Frames	E of 3 1/2	32	35.1	9.80	0.553 345.98 0.550	15.25	28.61	26.5%	Cold	9/8	8/8	Good	
"	"	"		"	"	E of 4 1/2	32	34.8	10.20	354.96 0.528	16.15	29.26	27.5%	"	9/8	7/8	"	
"	"	"		"	"	E of 3 1/2	32	35.1	9.70	340.47 0.556	15.50	29.35	28.5	"	9/8	6/8	"	
"	"	"		"	"	E of 3 1/2	32	34.4	9.90	345.51 0.442	15.00	27.98	28.0	"	9/8	7/8	"	
"	"	"		"	Bulkhead Stiffening bars	E of 1 1/2	25	35.2	8.10	285.12 0.539	12.25	27.71	25.5	"	1 1/16	1 1/16	"	
"	"	"		"	Rev. Frames	E of 1 1/2	32	34.8	10.00	345.00 0.532	16.70	30.98	26.0	"	9/8	7/8	"	
"	"	"		"	"	E of 1 1/2	32	34.7	9.90	340.53 0.526	16.00	30.08	25.0	"	9/8	7/8	"	
"	"	"		"	"	E of 1 1/2	32	34.8	9.75	339.50 0.456	15.80	30.03	26.0	"	9/8	8/8	"	
"	"	"		"	Bulkhead Stiffening bar	E of 1 1/2	25	34.6	8.50	294.10 0.433	12.65	27.74	27.5	"	1 1/16	1 1/16	"	
"	"	"		"	"	E of 1 1/2	25	34.1	8.20	279.62 0.464	12.00	27.71	25.5	"	1 1/16	1 1/16	"	
"	"	"		"	"	E of 1 1/2	25	34.0	8.80	299.20 0.526	13.25	28.56	27.0	"	1 1/16	1 1/16	"	
"	"	"		"	Rev. Frames	E of 1 1/2	32	34.6	9.80	339.08 0.523	15.25	29.00	26.5	"	9/8	7/8	"	
"	"	"		"	"	E of 1 1/2	32	34.4	9.80	337.12 0.450	14.25	27.24	29.5	"	9/8	7/8	"	
"	"	"		"	"	E of 1 1/2	32	34.6	8.40	290.64 0.525	13.20	29.33	21.5	"	1 1/16	1 1/16	"	
"	"	"		"	Stingers: Upward	E of 2 1/2	24	34.9	9.70	338.53 0.620	14.20	27.04	28.0	"	9/8	7/8	"	
"	"	"		"	"	E of 3 1/2	24	34.8	11.50	400.20 0.633	17.25	27.32	27.5	"	2 1/16	1 1/16	"	
"	"	"		"	"	E of 2 1/2	24	34.9	11.70	408.03 0.555	17.50	28.12	24.5	"	2 1/16	2 1/16	"	
"	"	"		"	"	E of 2 1/2	24	34.4	10.40	357.76 0.617	16.75	30.18	21.5	"	9/8	8/8	"	
"	"	"		"	"	E of 1 1/2	24	34.5	11.60	397.88 0.524	17.40	28.20	24.0	"	2 1/16	1 1/16	"	
"	"	"		"	"	E of 2 1/2	24	34.5	9.80	338.10 0.644	15.55	29.67	27.0	"	9/8	8/8	"	
"	"	"		"	Kulsans	E of 1 1/2	32	34.9	11.90	415.51 0.635	18.55	28.49	27.5	"	4 1/32	4 1/32	"	
"	"	"		"	"	E of 1 1/2	32	34.7	11.80	409.46 0.651	18.55	28.89	25.5	"	4 1/32	3 1/32	"	
"	"	"		"	"	E of 1 1/2	32	35.0	12.00	420.00 0.620	18.90	29.03	28.0	"	4 1/32	3 1/32	"	
"	"	"		"	"	E of 2 1/2	32	35.9	11.30	400.02 0.611	16.75	27.02	26.0	"	4 1/32	3 1/32	"	
"	"	"		"	"	E of 1 1/2	32	35.7	11.70	394.29 0.642	17.50	28.51	27.5	"	4 1/32	3 1/32	"	
"	"	"		"	"	E of 1 1/2	32	34.8	11.90	414.12 0.711	19.25	30.00	26.5	"	4 1/32	3 1/32	"	
"	"	"		Plate	Floors	E of 3 1/2	39	35.0	13.10	458.50 0.560	20.50	28.83	24.8	"	4 1/32	10/8	"	
"	"	"		Plate	"	E of 3 1/2	39	35.1	10.50	361.53	15.25	27.23	25.0	"	9/8	8/8	"	

S/S Thorsen built at Lundströmen Works and belonging to S/S Nav. Comp. "Hulde" of Stockholm



© 2020

Lloyd's Register  
Foundation