

Made at the Motala Steel and Iron Works

STEEL

TESTS.

by the Bessemer Process

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.	Tons.	Ins.	%		Ins.	Ins.		
	Motala	Kockums Ship Building Yard in Malmö	"	Plate	Plating	200 16E	18	34.7	9.90	0.552 340.55	15.35	28.85	22.5	Cold	9/8	6/8	Good	
				"	"	200 29	16	34.7	10.20	0.549 352.94	15.30	27.87	26.0	"	9/8	7/8	"	
				"	"	200 8.11	17	35.4	9.70	0.533 343.38	15.50	29.08	19.0	"	9/8	8/8	"	
				"	"	200 22	16	35.0	7.90	0.428 276.5	12.30	28.74	24.5	"	1 1/16	1 1/16	"	
				"	"	200 AB12	8	35.5	11.50	0.633 408.25	17.50	27.64	22.0	"	4 1/32	2 1/32	"	
				"	"	200 9.15	16	35.2	9.60	0.524 337.92	14.60	27.86	21.0	"	9/8	6/8	"	
				"	"	200 9.6	16	35.2	9.90	0.540 348.48	16.20	30.00	18.0	"	9/8	6/8	"	
				"	"	200 8.15	17	35.1	10.0	0.544 357.00	15.25	28.03	20.5	"	9/8	7/8	"	
				"	"	200 7.6	18	34.7	11.20	0.602 388.64	16.80	27.91	20.0	"	4 1/32	2 1/32	"	
				"	"	200 8.11	18	35.0	10.0	0.545 350.00	15.00	27.62	22.0	"	9/8	7/8	"	
				"	"	200 AB10	8	34.6	11.20	0.601 387.52	17.10	28.45	25.0	"	4 1/32	2 1/32	"	
				"	"	200 7.12	18	35.1	11.10	0.604 389.61	18.00	29.80	25.5	"	4 1/32	3 1/32	"	
				"	"	85 BX 200	18	34.7	7.40	0.398 256.78	12.00	30.15	21.0	"	4 1/32	3 1/32	"	
				"	"	65 X 200	18	34.2	7.30	0.387 249.66	10.90	28.16	20.0	"	2 1/32	2 1/32	"	
				"	"	48 200 15	8	34.9	9.80	0.530 342.02	15.25	28.77	24.5	"	3 1/32	2 1/32	"	
				"	"	48 200 11	8	35.2	11.85	0.647 417.12	18.07	27.95	25.0	"	4 1/32	3 1/32	"	
				Angle	Frame	1 1/2 200 29	35	34.8	8.25	0.445 287.1	12.17	27.34	28.0	"	1 1/16	1 1/16	"	
				Plate	Plating	200 7 19	23	34.7	6.40	0.344 222.08	10.20	29.65	24.0	"	1 1/16	1 1/16	"	
				"	"	200 7 20	23	34.6	6.20	0.332 214.52	9.65	29.07	23.0	"	1 1/16	8/16	"	

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