

## DYNAMIC LOAD CHART

for

Pedestal cranes type OS 200 delivered by Stothert & Pitt PLC,  
job ref.no. 34/3085, and fitted onboard fixed structure

### OSEBERG "B"

Prepared on computer program NV 5070  
Offlead considered where limiting capacity

### MAIN HOIST. 3 - FALL

WIRE ROPE SPECIFICATION:

Main hoist: 36 mm dia., 35 x 7 non rotating, 1960 N/mm<sup>2</sup>

Boom hoist: 38 mm dia., 6 x 36 IWRC, 1770 N/mm<sup>2</sup>

Original design dynamic factor:  $\Psi = 1.3$

Boom length: 52 m

Hook speed: 0,29 m/s

Boom angle (DEG)	Boom radius (M)	Original design load * (T)	Rated loads (Metric tons) ** Significant wave height H 1/3 (m)							
			0,5	1,0	1,5	2,0	3,0	4,0	5,0	6,0
	52.8	17.0	16.0	14.0	12.5	11.5	10.0	9.0	8.0	7.5
	50.0	20.5	19.0	17.0	15.5	14.0	12.5	11.0	10.0	9.0
	45.0	25.5	24.0	21.5	19.5	18.0	16.0	14.0	12.5	11.5
	40.0	30.0	28.5	25.5	23.5	21.5	19.0	17.0	15.5	14.0
	35.0	35.5	35.0	31.0	28.5	26.5	23.5	21.0	19.0	17.5
	31.4	40.0	39.0	34.5	32.0	29.5	26.0	23.5	21.0	19.5
	30.0	41.5	40.5	36.5	33.5	31.0	27.0	24.5	22.0	20.0
	25.0	45.0	41.5	37.5	34.5	32.5	29.0	26.5	24.5	23.0
	20.0	45.0	41.5	37.5	34.5	32.5	29.0	26.5	24.5	23.0
	15.0	45.0	41.5	37.5	34.5	32.5	29.0	26.5	24.5	23.0
	12.4	45.0	41.5	37.5	34.5	32.5	29.0	26.5	24.5	23.0

\*) Load capacity on Rig/Platform

\*\*\*) Load capacity between Rig/Platform and ship

Produced by DET NORSKE VERITAS  
DN-68, Bergen, May 1986

G. Birkeland

*G. S. Birkeland*



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### MAIN HOIST. 2 - FALL

**WIRE ROPE SPECIFICATION:**

Main hoist: 36 mm dia., 35 x 7 non rotating, 1960 N/mm<sup>2</sup>

Boom hoist: 38 mm dia., 6 x 36 IWRC , 1770 N/mm<sup>2</sup>

Original design dynamic factor:  $\Psi = 1.3$

Boom length: 52 m

Hook speed: 0,43 m/s

Boom angle (DEG)	Boom radius (M)	Original design load *) (T)	Rated loads (Metric tons) **) Significant wave height H 1/3 (m)							
			0,5	1,0	1,5	2,0	3,0	4,0	5,0	6,0
	52.8	17.5	17.0	14.5	13.0	12.0	11.0	9.5	9.0	8.0
	50.0	21.0	20.5	17.5	16.0	15.0	13.0	12.0	11.0	10.0
	45.0	26.0	25.5	22.0	20.0	19.0	16.5	15.0	14.0	12.5
	42.7	29.0	27.5	23.5	22.0	20.5	18.0	16.5	15.0	14.0
	40.0	30.0	28.0	24.5	22.5	21.0	19.0	17.5	16.0	15.0
	35.0	30.0	28.0	24.5	22.5	21.0	19.0	17.5	16.0	15.0
	30.0	30.0	28.0	24.5	22.5	21.0	19.0	17.5	16.0	15.0
	25.0	30.0	28.0	24.5	22.5	21.0	19.0	17.5	16.0	15.0
	20.0	30.0	28.0	24.5	22.5	21.0	19.0	17.5	16.0	15.0
	15.0	30.0	28.0	24.5	22.5	21.0	19.0	17.5	16.0	15.0
	12.4	30.0	28.0	24.5	22.5	21.0	19.0	17.5	16.0	15.0

\*) Load capacity on Rig/Platform

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### WHIP HOIST

**WIRE ROPE SPECIFICATION:**

Whip hoist: 40 mm dia., 35 x 7 non rotating, 1960 N/mm<sup>2</sup>

Boom hoist: 38 mm dia., 6 x 36 IWRC, 1770 N/mm<sup>2</sup>

Original design dynamic factor:

Boom length:

Hook speed: 1,67 m/s

Boom angle (DEG)	Boom radius (M)	Original design load *) (T)	Rated loads (Metric tons) **) Significant wave height H 1/3 (m)							
			0,5	1,0	1,5	2,0	3,0	4,0	5,0	6,0
	56.0	10.0	10.0	10.0	10.0	10.0	8.0	7.5	7.0	6.5
	55.0	10.0	10.0	10.0	10.0	10.0	8.5	8.0	7.5	7.0
	50.0	10.0	10.0	10.0	10.0	10.0	9.5	8.5	8.0	7.5
	45.0	10.0	10.0	10.0	10.0	10.0	10.0	9.5	9.0	8.0
	40.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0	8.5
	35.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0	8.5
	30.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0	8.5
	25.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0	8.5
	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0	8.5
	15.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0	8.5
	14.1	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0	8.5

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