

**Luna AT-120/47**

### Tabela de cargas (1)

Sem Contrapeso (75%).

Raio m	75% - Distância da Lança										
	11.9 m	19.3 m			26.7 m			34.2 m		41.7 m	45.0 m
3	96.2	57.6	25.0	25.0							
4	72.2	60.0	25.0	25.0	40.0	24.0	25.0				
5	49.9	49.9	25.0	25.0	40.0	24.0	25.0				
6	39.2	40.8	25.0	25.0	40.0	24.0	25.0	24.0	22.0		
7	31.3	31.3	25.0	25.0	31.5	24.0	25.0	24.0	22.0	20.0	
8	26.8	25.4	25.0	25.0	25.0	22.0	25.0	24.0	22.0	20.0	16.5
9	24.6	20.0	22.0	23.0	20.0	20.5	22.0	22.0	20.5	20.0	16.5
10		16.7	18.0	20.0	16.7	18.0	19.0	19.0	18.0	19.0	16.0
12		12.0	14.9	16.6	12.2	14.9	14.5	14.5	14.9	14.5	14.5
14		8.8	12.2	12.4	8.9	12.3	11.4	11.4	12.3	11.4	11.4
16		6.5	9.9	9.2	6.5	10.1	9.0	9.0	10.1	9.0	9.0
18					4.7	8.0	5.9	5.9	8.1	5.9	5.9
20					3.4	6.2	4.0	4.0	6.3	4.0	4.0
22					2.5	4.7	2.8	2.8	4.7	2.8	2.8
24					1.8	3.0	2.1	2.1	3.2	2.1	2.1
26								1.5	1.8	1.5	1.5
28								1.1	0.6	1.2	1.2
30								0.8		0.9	0.9
32										0.7	0.7

I	0	90	0	23	90	0	45	68	0	90	100
II	0	0	0	23	90	0	4568	45	90	90	100
III+IV	0	0	45	22	0	90	45	67	90	90	100

Raio E	75% - Distância da Lança + Jib																	
	38.3m + 11.5m			41.7m + 11.5m			45.0m + 11.5m			38.3m + 20.0m			41.7m + 20.0m			45.0m + 20.0m		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
7	10.0																	
8	10.0	5.5		9.0														
9	10.0	5.2	3.2	9.0	5.5		7.0			6.0			5.5					
10	10.0	4.8	2.8	9.0	5.2	3.4	7.0	5.5		5.7			5.4			4.5		
12	9.5	4.4	2.6	9.0	4.9	3.1	6.8	5.5	3.7	5.4	3.3		5.2	3.5		4.5		
14	8.8	4.1	2.5	8.5	4.6	2.8	6.4	5.2	3.4	5.1	3.1		5.0	3.3		4.5	3.5	
16	7.7	3.8	2.3	7.7	4.4	2.6	6.1	4.9	3.1	4.8	2.9	2.0	4.7	3.1	2.0	4.4	3.3	
18	6.9	3.5	2.2	6.9	4.1	2.5	5.7	4.6	2.8	4.4	2.7	1.9	4.4	2.9	1.9	4.2	3.1	2.0
20	5.5	3.3	2.1	5.5	3.8	2.3	5.4	4.4	2.6	4.1	2.5	1.8	4.1	2.7	1.9	4.1	2.9	2.0
22	4.3	3.0	2.0	4.3	3.5	2.2	4.3	4.1	2.5	3.8	2.4	1.8	3.8	2.4	1.8	4.0	2.7	1.9
24	3.0	2.6	1.8	3.0	3.0	2.0	3.0	3.0	2.2	3.4	2.1	1.6	3.5	2.3	1.7	3.7	2.4	1.8
26	2.1	2.1	1.6	2.1	2.1	1.8	2.1	2.1	2.0	3.1	2.0	1.6	3.3	2.1	1.6	3.5	2.3	1.7
28	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	1.8	1.4	2.9	1.9	1.5	2.9	2.0	1.6
30	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1	1.7	1.4	2.1	1.7	1.4	2.1	1.9	1.5
32	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.3	1.4	1.4	1.4	1.4	1.4	1.4
34										1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
36										0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

I	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100
II	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100
III+	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100

## Tabela de cargas (2)

Com Contrapeso de 3t (75%).

Raio m	75% - Distância da Lança										
	11.9 m	19.3 m			26.7 m			34.2 m		41.7 m	45.0 m
3	100.0	57.6	25.0	25.0							
4	75.0	60.0	25.0	25.0	40.0	24.0	25.0				
5	52.2	50.4	25.0	25.0	40.0	24.0	25.0				
6	39.2	40.8	25.0	25.0	40.0	24.0	25.0	24.0	22.0		
7	31.3	31.3	25.0	25.0	31.5	24.0	25.0	24.0	22.0	20.0	
8	26.8	25.4	25.0	25.0	25.0	22.0	25.0	24.0	22.0	20.0	16.5
9	24.6	21.7	23.0	23.0	21.8	21.0	22.0	22.0	22.0	20.0	16.5
10		18.5	20.0	20.0	18.5	20.0	19.0	19.0	20.0	19.0	16.0
12		13.8	17.6	16.6	14.0	17.6	14.5	14.5	17.6	14.5	14.5
14		10.4	13.5	12.4	10.5	13.6	11.4	11.4	13.6	11.4	11.4
16		7.7	10.4	9.2	7.7	10.6	9.0	9.0	10.6	9.0	9.0
18					5.9	8.7	7.0	7.0	8.8	7.0	7.0
20					4.3	7.2	5.5	5.5	7.3	5.5	5.5
22					3.0	6.0	4.3	4.3	6.0	4.3	4.3
24					1.8	4.9	3.1	3.1	5.1	3.1	3.1
26								2.3	3.4	2.3	2.3
28								1.5	2.1	1.6	1.6
30								1.2	1.5	1.3	1.3
32										1.0	1.0

I	0	90	0	23	90	0	45	68	0	90	100
II	0	0	0	23	90	0	45	68	90	90	100
III+IV	0	0	45	22	0	90	45	67	90	90	100

Raio E	75% - Distância da Lança + Jib																	
	38.3m + 11.5m			41.7m + 11.5m			45.0m + 11.5m			38.3m + 20.0m			41.7m + 20.0m			45.0m + 20.0m		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
7	10.0																	
8	10.0	5.5		9.0														
9	10.0	5.2	3.2	9.0	5.5		7.0			6.0			5.5					
10	10.0	4.8	2.8	9.0	5.2	3.4	7.0	5.5		5.7			5.4			4.5		
12	9.5	4.4	2.6	9.0	4.9	3.1	6.8	5.5	3.7	5.4	3.3		5.2	3.5		4.5		
14	8.8	4.1	2.5	8.5	4.6	2.8	6.4	5.2	3.4	5.1	3.1		5.0	3.3		4.5	3.5	
16	7.7	3.8	2.3	7.7	4.4	2.6	6.1	4.9	3.1	4.8	2.9	2.0	4.7	3.1	2.0	4.4	3.3	
18	6.9	3.5	2.2	6.9	4.1	2.5	5.7	4.6	2.8	4.4	2.7	1.9	4.4	2.9	1.9	4.2	3.1	2.0
20	5.5	3.3	2.1	5.5	3.8	2.3	5.4	4.4	2.6	4.1	2.5	1.8	4.1	2.7	1.9	4.1	2.9	2.0
22	4.3	3.0	2.0	4.3	3.5	2.2	4.3	4.1	2.5	3.8	2.4	1.8	3.8	2.5	1.8	4.0	2.7	1.9
24	3.1	2.7	1.9	3.1	3.1	2.1	3.1	3.1	2.3	3.5	2.2	1.7	3.5	2.4	1.7	3.8	2.5	1.9
26	2.3	2.3	1.8	2.3	2.3	2.0	2.3	2.3	2.2	3.2	2.1	1.7	3.2	2.2	1.6	3.6	2.4	1.8
28	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.0	2.0	1.6	3.0	2.1	1.5	3.1	2.2	1.8
30	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.3	1.9	1.6	2.3	1.9	1.4	2.3	2.1	1.7
32	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6	1.6	1.5	1.6	1.6	1.4	1.6	1.6	1.6
34										1.3	1.3	1.3	1.3	1.3	1.0	1.3	1.3	1.3
36										1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

I	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100
II	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100
III+	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100

### Tabela de cargas (3)

Com Contrapeso 13t (75%).

Raio m	75% - Distância da Lança										
	11.9 m	19.3 m			26.7 m			34.2 m		41.7 m	45.0 m
3	105.0	57.6	25.0	25.0							
4	79.0	60.0	25.0	25.0	40.0	24.0	25.0				
5	54.3	60.0	25.0	25.0	40.0	24.0	25.0				
6	46.0	53.8	25.0	25.0	40.0	24.0	25.0	24.0	22.0		
7	38.4	47.2	25.0	25.0	40.0	24.0	25.0	24.0	22.0	20.0	
8	34.2	37.0	25.0	25.0	37.3	24.0	25.0	24.0	22.0	20.0	16.5
9		31.3	25.0	25.0	31.5	24.0	25.0	24.0	22.0	20.0	16.5
10		26.0	24.0	24.0	26.2	22.0	24.0	24.0	22.0	19.0	16.5
12		20.2	23.0	23.0	20.4	20.0	23.0	24.0	22.0	17.0	16.0
14		15.6	18.7	17.6	15.5	18.7	17.6	17.6	18.7	15.0	15.0
16		12.1	14.8	13.6	12.0	15.0	13.5	13.5	15.0	13.5	13.5
18					9.7	12.5	11.1	11.1	12.5	11.1	11.1
20					7.7	10.6	9.0	9.0	10.6	9.1	9.1
22					6.0	9.1	7.4	7.4	9.0	7.5	7.5
24					4.6	7.5	6.0	6.0	7.8	6.1	6.1
26								5.0	6.8	5.0	5.0
28								4.0	5.7	4.0	4.0
30								3.5	4.2	3.5	3.5
32										3.0	3.0
34										2.5	2.5
36										2.1	2.1
38										1.8	1.8
40											1.6

I	0	90	0	23	90	0	45	68	0	90	100
II	0	0	0	23	90	0	45	68	90	90	100
III+IV	0	0	45	22	0	90	45	67	90	90	100

Raio E	75% - Distância da Lança + Jib																	
	38.3m + 11.5m			41.7m + 11.5m			45.0m + 11.5m			38.3m + 20.0m			41.7m + 20.0m			45.0m + 20.0m		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
7	10.0																	
8	10.0	5.5		9.0														
9	10.0	5.2	3.2	9.0	5.5		7.0			6.0			5.5					
10	10.0	4.8	2.8	9.0	5.2	3.4	7.0	5.5		5.7			5.4			4.5		
12	9.5	4.4	2.6	9.0	4.9	3.1	6.8	5.5	3.7	5.4	3.3		5.2	3.5		4.5		
14	8.8	4.1	2.5	8.5	4.6	2.8	6.4	5.2	3.4	5.1	3.1		5.0	3.3		4.5	3.5	
16	7.7	3.8	2.3	7.7	4.4	2.6	6.1	4.9	3.1	4.8	2.9	2.0	4.7	3.1	2.0	4.4	3.3	
18	6.9	3.5	2.2	6.9	4.1	2.5	5.7	4.6	2.8	4.4	2.7	1.9	4.4	2.9	1.9	4.2	3.1	2.0
20	6.4	3.3	2.1	6.4	3.8	2.3	5.4	4.4	2.6	4.1	2.5	1.8	4.1	2.7	1.9	4.1	2.9	2.0
22	5.6	3.0	2.0	5.6	3.5	2.2	5.0	4.1	2.5	3.8	2.4	1.8	3.8	2.5	1.8	4.0	2.7	1.9
24	5.1	2.7	1.9	5.1	3.3	2.1	4.6	3.8	2.3	3.5	2.2	1.7	3.6	2.4	1.8	3.8	2.5	1.9
26	4.6	2.4	1.8	4.6	3.0	2.0	4.3	3.5	2.2	3.2	2.1	1.7	3.4	2.2	1.7	3.6	2.4	1.8
28	4.1	2.2	1.6	4.1	2.7	1.9	4.0	3.3	2.1	3.0	2.0	1.6	3.2	2.1	1.7	3.4	2.2	1.8
30	3.6	1.9	1.5	3.6	2.4	1.8	3.6	3.0	2.0	2.8	1.9	1.6	3.0	2.0	1.6	3.2	2.1	1.7
32	3.1	1.5	1.4	3.1	2.2	1.7	3.1	2.7	1.9	2.6	1.8	1.5	2.8	1.9	1.6	2.9	2.0	1.7
34	2.6	1.4	1.2	2.6	1.9	1.6	2.6	2.4	1.8	2.4	1.7	1.5	2.6	1.8	1.5	2.7	1.9	1.6
36	2.2	1.2		2.2	1.6	1.5	2.2	2.2	1.7	2.2	1.6	1.4	2.4	1.7	1.5	2.5	1.8	1.6
38	1.9			1.9	1.4	1.4	1.9	1.9	1.6	2.1	1.6	1.4	2.2	1.6	1.4	2.4	1.7	1.5
40	1.6			1.6	1.2	1.2	1.6	1.6	1.5	1.9	1.5	1.3	2.1	1.6	1.4	2.2	1.6	1.4
42				1.4			1.4	1.4	1.4	1.8	1.5		1.9	1.5	1.3	2.0	1.6	1.4
44							1.2	1.2	1.2	1.7			1.8	1.5		1.9	1.5	1.4
46													1.7			1.7	1.5	1.3

I	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100
II	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100
III+	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100

### Tabela de cargas (4)

Com Contrapeso 24t (75%).

Raio m	75% - Distância da Lança										
	11.9 m	19.3 m			26.7 m			34.2 m		41.7 m	45.0 m
3	105.0	57.6	25.0	25.0							
4	79.0	60.0	25.0	25.0	40.0	24.0	25.0				
5	54.3	60.0	25.0	25.0	40.0	24.0	25.0				
6	46.0	53.8	25.0	25.0	40.0	24.0	25.0	24.0	22.0		
7	38.4	47.2	25.0	25.0	40.0	24.0	25.0	24.0	22.0	20.0	
8	34.2	37.0	25.0	25.0	37.3	24.0	25.0	24.0	22.0	20.0	16.5
9		31.3	25.0	25.0	31.5	24.0	25.0	24.0	22.0	20.0	16.5
10		26.0	24.0	24.0	26.2	22.0	24.0	24.0	22.0	19.0	16.5
12		20.6	24.0	24.0	20.4	20.0	23.0	24.0	22.0	17.0	16.0
14		17.4	18.7	17.8	16.6	18.7	17.8	17.6	18.7	15.0	15.0
16		14.5	14.8	14.8	14.2	15.0	14.7	13.5	15.0	13.5	13.5
18					12.0	12.5	12.5	12.2	12.7	11.1	11.1
20					10.1	10.6	10.6	11.4	11.4	9.5	9.5
22					8.2	9.1	9.1	10.0	10.4	8.5	8.5
24					6.6	7.5	7.5	8.9	9.4	7.6	7.6
26								7.8	8.4	6.8	6.8
28								6.8	7.5	6.0	6.0
30								5.9	7.0	5.3	5.3
32										4.6	4.6
34										3.9	3.9
36										3.4	3.4
38										3.0	3.0
40										2.7	2.7
42										2.5	2.5

I	0	90	0	23	90	0	45	68	0	90	100
II	0	0	0	23	90	0	45	68	90	90	100
III+IV	0	0	45	22	0	90	45	67	90	90	100

Raio E	75% - Distância da Lança + Jib																	
	38.3m + 11.5m			41.7m + 11.5m			45.0m + 11.5m			38.3m + 20.0m			41.7m + 20.0m			45.0m + 20.0m		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
7	10.0																	
8	10.0	5.5		9.0														
9	10.0	5.2	3.2	9.0	5.5		7.0			6.0			5.5					
10	10.0	4.8	2.8	9.0	5.2	3.4	7.0	5.5		5.7			5.4			4.5		
12	9.5	4.4	2.6	9.0	4.9	3.1	6.8	5.5	3.7	5.4	3.3		5.2	3.5		4.5		
14	8.8	4.1	2.5	8.5	4.6	2.8	6.4	5.2	3.4	5.1	3.1		5.0	3.3		4.5	3.5	
16	7.7	3.8	2.3	7.7	4.4	2.6	6.1	4.9	3.1	4.8	2.9	2.0	4.7	3.1	2.0	4.4	3.3	
18	6.9	3.5	2.2	6.9	4.1	2.5	5.7	4.6	2.8	4.4	2.7	1.9	4.4	2.9	1.9	4.2	3.1	2.0
20	6.4	3.3	2.1	6.4	3.8	2.3	5.4	4.4	2.6	4.1	2.5	1.8	4.1	2.7	1.9	4.1	2.9	2.0
22	5.6	3.0	2.0	5.6	3.5	2.2	5.0	4.1	2.5	3.8	2.4	1.8	3.8	2.5	1.8	4.0	2.7	1.9
24	5.1	2.7	1.9	5.1	3.3	2.1	4.6	3.8	2.3	3.5	2.2	1.7	3.6	2.4	1.8	3.8	2.5	1.9
26	4.6	2.4	1.8	4.6	3.0	2.0	4.3	3.5	2.2	3.2	2.1	1.7	3.4	2.2	1.7	3.6	2.4	1.8
28	4.1	2.2	1.6	4.1	2.7	1.9	4.0	3.3	2.1	3.0	2.0	1.6	3.2	2.1	1.7	3.4	2.2	1.8
30	3.6	2.0	1.5	3.6	2.4	1.8	3.6	3.0	2.0	2.8	1.9	1.6	3.0	2.0	1.6	3.2	2.1	1.7
32	3.3	1.9	1.4	3.3	2.2	1.7	3.3	2.7	1.9	2.6	1.8	1.5	2.8	1.9	1.6	2.9	2.0	1.7
34	3.1	1.8	1.2	3.1	1.9	1.6	3.1	2.4	1.8	2.4	1.7	1.5	2.6	1.8	1.5	2.7	1.9	1.6
36	3.0			3.0	1.8	1.5	3.0	2.2	1.7	2.2	1.6	1.4	2.4	1.7	1.5	2.5	1.8	1.6
38	2.9			2.9	1.7	1.4	2.9	1.9	1.6	2.1	1.6	1.4	2.2	1.6	1.4	2.4	1.7	1.5
40	2.8			2.8	1.5	1.2	2.8	1.6	1.5	1.9	1.5	1.3	2.1	1.6	1.4	2.2	1.6	1.4
42				2.7			2.7	1.4	1.4	1.8	1.5		1.9	1.5	1.3	2.0	1.6	1.4
44							2.6	1.2	1.2	1.7			1.8	1.5		1.9	1.5	1.4
46													1.7			1.7	1.5	1.3

I	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100
II	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100
III+	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100

### Tabela de cargas (5)

Com Contrapeso de 3t (85%).

Raio m	85% - Distância da Lança										
	11.9 m	19.3 m			26.7 m			34.2 m		41.7 m	45.0 m
3	100.0	57.6	25.0	25.0							
4	75.0	60.0	25.0	25.0	40.0	24.0	25.0				
5	59.1	57.1	25.0	25.0	40.0	24.0	25.0				
6	44,4	46.2	25.0	25.0	40.0	24.0	25.0	24.0	22.0		
7	35,4	35.4	25.0	25.0	35.7	24.0	25.0	24.0	22.0	20.0	
8	30,3	28.7	25.0	25.0	28.3	24.0	25.0	24.0	22.0	20.0	16.5
9	27,8	24.6	25.0	25.0	24.7	24.0	24.9	24.0	22.0	20.0	16.5
10		20.9	22.6	22.6	20.9	22.0	21.5	21.5	20.0	19.0	16.5
12		15.6	19.9	18.8	15.8	19.9	16.4	16.4	20.0	16.0	16.0
14		11.7	15.3	14.0	11.9	15.4	12.9	12.9	15.4	12.9	12.9
16		8.7	11.7	10.4	8.7	12.0	10.2	10.2	12.0	10.2	10.2
18					6.6	9.8	7.9	7.9	10.0	7.9	7.9
20					4.8	8.1	6.2	6.2	8.2	6.2	6.2
22					3.4	6.8	4.8	4.8	6.8	4.8	4.8
24					2.0	5.5	3.5	3.5	5.7	3.5	3.5
26								2.6	3.8	2.6	2.6
28								1.8	2.3	1.8	1.8
30								1.4	1.7	1.4	1.4
32										1.1	1.1

I	0	90	0	23	90	0	45	68	0	90	100
II	0	0	0	23	90	0	45	68	90	90	100
III+IV	0	0	45	22	0	90	45	67	90	90	100

Raio E	75% - Distância da Lança + Jib																	
	32.7m + 11.5m			37.0m + 11.5m			40.1m + 11.5m			32.7m + 20.0m			37m + 20.0m			45.0m + 20.0m		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
7	10.0																	
8	10.0	5.5		9.0														
9	10.0	5.2	3.2	9.0	5.5		7.0			6.0			5.5					
10	10.0	4.8	2.8	9.0	5.2	3.4	7.0	5.5		5.7			5.4			4.5		
12	9.5	4.4	2.6	9.0	4.9	3.1	6.8	5.5	3.7	5.4	3.3		5.2	3.5		4.5		
14	8.8	4.1	2.5	8.5	4.6	2.8	6.4	5.2	3.4	5.1	3.1		5.0	3.3		4.5	3.5	
16	7.7	3.8	2.3	7.7	4.4	2.6	6.1	4.9	3.1	4.8	2.9	2.0	4.7	3.1	2.0	4.4	3.3	
18	6.9	3.5	2.2	6.9	4.1	2.5	5.7	4.6	2.8	4.4	2.7	1.9	4.4	2.9	1.9	4.2	3.1	2.0
20	6.2	3.3	2.1	6.2	3.8	2.3	5.4	4.4	2.6	4.1	2.5	1.8	4.1	2.7	1.9	4.1	2.9	2.0
22	4.8	3.0	2.0	4.8	3.5	2.2	4.8	4.1	2.5	3.8	2.4	1.8	3.8	2.5	1.8	4.0	2.7	1.9
24	3.5	2.7	1.9	3.5	3.3	2.1	3.5	3.5	2.3	3.5	2.2	1.7	3.6	2.4	1.8	3.8	2.5	1.9
26	2.6	2.4	1.8	2.6	2.6	2.0	2.6	2.6	2.2	3.2	2.1	1.7	3.4	2.2	1.7	3.6	2.4	1.8
28	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8	3.0	2.0	1.6	3.1	2.1	1.7	3.1	2.2	1.8
30	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.6	1.9	1.6	2.6	2.0	1.6	2.6	2.1	1.7
32	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.8	1.8	1.5	1.8	1.8	1.6	1.8	1.8	1.7
34										1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
36										1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

I	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100
II	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100
III+	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100

### Tabela de cargas (6)

Com Contrapeso 13t (85%).

Raio m	85% - Distância da Lança										
	11.9 m	19.3 m			26.7 m			34.2 m		41.7 m	45.0 m
3	120.0	57.6	25.0	25.0							
4	90.0	60.0	25.0	25.0	40.0	24.0	25.0				
5	74.0	60.0	25.0	25.0	40.0	24.0	25.0				
6	61.5	60.0	25.0	25.0	40.0	24.0	25.0	24.0	22.0		
7	52.1	52.1	25.0	25.0	40.0	24.0	25.0	24.0	22.0	20.0	
8	43.5	41.9	25.0	25.0	40.0	24.0	25.0	24.0	22.0	20.0	16.5
9	38.7	35.4	25.0	25.0	35.7	24.0	25.0	24.0	22.0	20.0	16.5
10		29.4	25.0	25.0	29.6	24.0	25.0	24.0	22.0	19.0	16.5
12		22.9	24.0	24.0	23.1	22.6	24.0	24.0	22.0	17.0	16.0
14		17.6	21.1	19.9	17.5	21.2	19.9	19.9	22.0	15.0	15.0
16		13.7	16.7	15.4	13.6	17.0	15.3	15.2	21.2	13.5	13.5
18					11.0	14.1	12.5	12.5	17.0	11.1	11.1
20					8.7	12.0	10.2	10.2	14.1	9.1	9.1
22					6.8	10.3	8.3	8.3	10.2	7.5	7.5
24					5.2	8.5	6.8	6.8	8.8	6.8	6.8
26								5.6	7.7	5.6	5.6
28								4.5	6.4	4.5	4.5
30								3.9	4.7	3.9	3.9
32										3.3	3.3
34										2.8	2.8
36										2.3	2.3
38										2.0	2.0
40											1.8

I	0	90	0	23	90	0	45	68	0	90	100
II	0	0	0	23	90	0	45	68	90	90	100
III+IV	0	0	45	22	0	90	45	67	90	90	100

Raio E	85% - Distância da Lança + Jib																	
	38.3m + 11.5m			41.7m + 11.5m			45.0m + 11.5m			38.3m + 20.0m			41.7m + 20.0m			45.0m + 20.0m		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
7	10.0																	
8	10.0	5.5		9.0														
9	10.0	5.2	3.2	9.0	5.5		7.0			6.0			5.5					
10	10.0	4.8	2.8	9.0	5.2	3.4	7.0	5.5		5.7			5.4			4.5		
12	9.5	4.4	2.6	9.0	4.9	3.1	6.8	5.5	3.7	5.4	3.3		5.2	3.5		4.5		
14	8.8	4.1	2.5	8.5	4.6	2.8	6.4	5.2	3.4	5.1	3.1		5.0	3.3		4.5	3.5	
16	7.7	3.8	2.3	7.7	4.4	2.6	6.1	4.9	3.1	4.8	2.9	2.0	4.7	3.1	2.0	4.4	3.3	
18	6.9	3.5	2.2	6.9	4.1	2.5	5.7	4.6	2.8	4.4	2.7	1.9	4.4	2.9	1.9	4.2	3.1	2.0
20	6.4	3.3	2.1	6.4	3.8	2.3	5.4	4.4	2.6	4.1	2.5	1.8	4.1	2.7	1.9	4.1	2.9	2.0
22	5.6	3.0	2.0	5.6	3.5	2.2	5.0	4.1	2.5	3.8	2.4	1.8	3.8	2.5	1.8	4.0	2.7	1.9
24	5.1	2.7	1.9	5.1	3.3	2.1	4.6	3.8	2.3	3.5	2.2	1.7	3.6	2.4	1.8	3.8	2.5	1.9
26	4.6	2.4	1.8	4.6	3.0	2.0	4.3	3.5	2.2	3.2	2.1	1.7	3.4	2.2	1.7	3.6	2.4	1.8
28	4.1	2.2	1.6	4.1	2.7	1.9	4.0	3.3	2.1	3.0	2.0	1.6	3.2	2.1	1.7	3.4	2.2	1.8
30	3.6	1.9	1.5	3.6	2.4	1.8	3.6	3.0	2.0	2.8	1.9	1.6	3.0	2.0	1.6	3.2	2.1	1.7
32	3.1	1.5	1.4	3.1	2.2	1.7	3.1	2.7	1.9	2.6	1.8	1.5	2.8	1.9	1.6	2.9	2.0	1.7
34	2.6	1.4	1.2	2.6	1.9	1.6	2.6	2.4	1.8	2.4	1.7	1.5	2.6	1.8	1.5	2.7	1.9	1.6
36	2.2	1.2		2.2	1.6	1.5	2.2	2.2	1.7	2.2	1.6	1.4	2.4	1.7	1.5	2.5	1.8	1.6
38	1.9			1.9	1.4	1.4	1.9	1.9	1.6	2.1	1.6	1.4	2.2	1.6	1.4	2.4	1.7	1.5
40	1.6			1.6	1.2	1.2	1.6	1.6	1.5	1.9	1.5	1.3	2.1	1.6	1.4	2.2	1.6	1.4
42				1.4			1.4	1.4	1.4	1.8	1.5		1.9	1.5	1.3	2.0	1.6	1.4
44							1.2	1.2	1.2	1.7			1.8	1.5		1.9	1.5	1.4
46													1.7			1.7	1.5	1.3

I	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100
II	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100
III+	80	80	80	90	90	90	100	100	100	80	80	80	90	90	90	100	100	100