



## LIFTING CHARTS - Crawler Cranes

### KOBELCO MODEL CK2500-II - 250 TON CAPACITY

15 Counterweights + 2 Low Weights

150' Boom							150' Boom						
Load Radius (ft.)	70 ft Jib						Load Radius (ft.)	80 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
40	118,000 *						40	118,000 *					
45	118,000 *						45	118,000 *					
50	118,000 *						50	118,000 *					
55	103,800 *	109,900					55	104,700 *					
60	90,600 *	100,700					60	91,500 *	99,800				
65	80,200 *	91,200					65	80,900 *	90,800				
70	71,600 *	83,100					70	72,300 *	82,600				
75	64,300 *	76,000	70,700				75	65,200 *	75,800				
80	55,100 *	70,100	65,200				80	59,000 *	69,800	64,800			
85		65,000	60,400				85	54,000 *	64,800	59,900			
90		60,400	56,200	52,600			90	46,500 *	60,100	55,700			
95			52,400	49,100			95		56,200	52,000	48,700		
100			49,100	46,000			100		52,600	48,700	45,600		
110				40,700	37,400		110			43,200	40,300		
120				36,600	33,500		120				36,100	33,000	
130					30,200	28,000	130				32,600	29,700	
140						25,300	140					26,900	24,900
150							150						22,700

150' Boom							150' Boom						
Load Radius (ft.)	90 ft Jib						Load Radius (ft.)	100 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
40	88,500 *						40						
45	88,500 *						45	88,500 *					
50	88,500 *						50	88,500 *					
55	88,500 *						55	88,500 *					
60	88,500 *	88,500					60	88,500 *					
65	81,500 *	88,500					65	81,500 *	88,500				
70	72,900 *	82,400					70	72,900 *	82,000				
75	65,700 *	75,600					75	65,900 *	75,100				
80	59,700 *	69,600	64,300				80	59,700 *	69,200				
85	54,400 *	64,600	59,700				85	54,600 *	64,100	59,000			
90	50,000 *	59,900	55,500				90	50,200 *	59,700	55,100			
95	46,000 *	56,000	51,800				95	46,300 *	55,700	51,300			
100	39,900 *	52,600	48,500	45,200			100	42,700 *	52,200	48,000			
110		45,600 *	42,900	40,100			110	34,600 *	45,800 *	42,500	39,600		
120			38,500	35,900	32,600		120		39,400 *	38,100	35,500		
130				32,400	29,300		130			34,300	31,900	28,800	
140				29,300	26,600	24,600	140				28,800	26,200	
150					24,200	22,400	150					23,800	21,800
160						20,500	160					21,800	19,800
170							170						18,300

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

150' Boom							150' Boom						
Load Radius (ft.)	110 ft Jib						Load Radius (ft.)	120 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
45	88,500 *						45						
50	88,500 *						50	85,800 *					
55	88,500 *						55	84,900 *					
60	88,500 *						60	83,900 *					
65	83,100 *						65	80,000 *					
70	74,300 *	81,500					70	74,000 *	81,500				
75	67,000 *	75,400					75	67,000 *	74,900				
80	61,000 *	69,400					80	60,800 *	69,200				
85	55,700 *	64,300					85	55,500 *	63,900				
90	51,300 *	59,900	55,300				90	51,100 *	59,500				
95	47,400 *	56,000	51,500				95	47,100 *	55,500	51,100			
100	43,800 *	52,400	48,200				100	43,600 *	52,200	47,800			
110	37,900 *	46,500	42,700	39,900			110	37,900 *	46,300	42,300			
120	30,800 *	40,500 *	38,300	35,700			120	33,000 *	40,500 *	37,900	35,200		
130		35,200 *	34,600	32,100			130		35,500 *	34,100	31,700		
140			31,500	29,100	26,200		140		31,000 *	31,000	28,600	25,700	
150				26,600	24,000	22,000	150			28,400	26,200	23,500	
160					22,000	20,200	160				24,000	21,600	19,600
170					20,200	18,500	170					19,800	17,800
180						16,900	180					18,300	16,300
190							190						14,900

  

150' Boom							150' Boom						
Load Radius (ft.)	130 ft Jib						Load Radius (ft.)	140 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
50	76,100 *						50						
55	75,400 *						55	64,800 *					
60	70,500 *						60	61,900 *					
65	66,500 *						65	58,200 *					
70	62,800 *						70	54,900 *					
75	59,500 *	69,200 *					75	52,000 *					
80	56,600 *	65,200 *					80	49,300 *	55,100 *				
85	54,000 *	61,900 *					85	46,900 *	52,200 *				
90	51,500 *	58,600 *					90	44,700 *	49,600 *				
95	48,000 *	55,300					95	42,700 *	47,100 *				
100	44,500 *	51,800	48,000				100	40,700 *	44,900 *				
110	38,500 *	46,000	42,500				110	37,400 *	41,200 *	42,100			
120	33,700 *	40,500 *	37,900	34,800			120	33,500 *	37,900 *	37,400			
130	29,700 *	35,500 *	34,100	31,300			130	29,500 *	35,000 *	33,700	31,300		
140		31,000 *	31,000	28,400			140	26,200 *	31,700 *	30,600	28,400		
150		27,500 *	28,400	26,000	23,500		150		28,200 *	28,000	26,000	23,100	
160			26,000	23,800	21,600		160		25,100 *	25,700	23,800	21,100	
170				21,800	19,800	17,400	170			23,500	21,800	19,400	17,100
180					18,300	15,800	180				20,200	17,800	15,600
190					16,900	14,500	190					16,300	14,300
200						13,200	200					14,900	13,000
210							210						12,100

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

150' Boom							150' Boom						
Load Radius (ft.)	150 ft Jib						Load Radius (ft.)	160 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
55	54,600 *						55						
60	51,300 *						60	44,300 *					
65	48,200 *						65	41,600 *					
70	45,600 *						70	39,200 *					
75	43,200 *						75	37,200 *					
80	41,000 *						80	35,200 *					
85	39,000 *	44,900 *					85	33,200 *	38,500 *				
90	37,200 *	42,500 *					90	31,700 *	36,600 *				
95	35,500 *	40,300 *					95	30,200 *	34,600 *				
100	33,900 *	38,500 *					100	28,800 *	32,800 *				
110	31,000 *	35,000 *	39,600 *				110	26,200 *	29,700 *	33,900 *			
120	28,600 *	32,100 *	36,100 *				120	24,000 *	27,100 *	30,800 *			
130	26,600 *	29,500 *	33,000 *	31,300			130	22,200 *	24,900 *	28,000 *			
140	24,900 *	27,300 *	30,400 *	28,200			140	20,500 *	22,900 *	25,500 *	27,700		
150	23,300 *	25,500 *	28,200	25,700			150	19,100 *	21,100 *	23,500 *	25,300		
160		24,000 *	26,000	23,500	21,300		160	17,800 *	19,600 *	21,800 *	23,100	20,900	
170		22,400 *	23,800	21,800	19,600		170		18,500 *	20,200 *	21,300	19,100	
180			22,000	20,000	18,000	15,400	180		17,400 *	18,900 *	19,600	17,400	
190				18,500	16,500	14,100	190			17,800 *	18,000	16,000	13,400
200					15,200	13,000	200				16,900	14,700	12,300
210					14,100	11,900	210					13,400	11,200
220						10,800	220					12,300	10,300
230							230						9,400

  

150' Boom							150' Boom						
Load Radius (ft.)	170 ft Jib						Load Radius (ft.)	170 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
65	37,200 *												
70	35,000 *												
75	33,000 *												
80	31,000 *												
85	29,500 *												
90	28,000 *	32,400 *											
95	26,600 *	30,600 *											
100	25,300 *	29,100 *											
110	22,900 *	26,200 *											
120	20,900 *	23,800 *	27,100 *										
130	19,100 *	21,600 *	24,400 *										
140	17,600 *	19,800 *	22,400 *	25,300 *									
150	16,300 *	18,300 *	20,500 *	23,100 *									
160	15,200 *	16,900 *	18,900 *	21,100 *									
170	14,100 *	15,600 *	17,400 *	19,400 *	18,700								
180		14,500 *	16,000 *	17,800 *	16,900								
190		13,600 *	14,900 *	16,500 *	15,600	13,000							
200			14,100 *	15,400 *	14,300	11,900							
210				14,300 *	13,000	10,800							
220					12,100	9,900							
230						9,000							
240						8,100							

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

160' Boom							160' Boom						
Load Radius (ft.)	70 ft Jib						Load Radius (ft.)	80 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
40	118,000 *						40	88,500 *					
45	118,000 *						45	88,500 *					
50	118,000 *						50	88,500 *					
55	104,700 *	109,300					55	88,500 *					
60	91,200 *	100,200					60	88,500 *	88,500				
65	80,700 *	90,600					65	81,500 *	88,500				
70	72,100 *	82,400					70	72,700 *	82,000				
75	64,600 *	75,600	69,600				75	65,700 *	75,100				
80	56,000 *	69,600	64,100				80	59,500 *	69,200	63,700			
85		64,600	59,500				85	54,200 *	64,100	59,000			
90		59,900	55,300				90	47,100 *	59,700	54,900			
95		56,000	51,500	47,800			95		55,700	51,100			
100			48,500	44,900			100		52,200	48,000	44,300		
110			42,700	39,600			110			42,500	39,200		
120				35,500	32,100		120				35,200	31,700	
130					29,100	26,600	130				31,700	28,400	
140						24,200	140					25,700	23,500
150							150						21,300

  

160' Boom							160' Boom						
Load Radius (ft.)	90 ft Jib						Load Radius (ft.)	100 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
40	88,500 *						40	88,500 *					
45	88,500 *						45	88,500 *					
50	88,500 *						50	88,500 *					
55	88,500 *						55	88,500 *					
60	88,500 *						60	88,500 *					
65	82,000 *	88,500					65	82,200 *	88,500				
70	73,400 *	81,800					70	73,400 *	81,300				
75	66,100 *	74,900					75	66,100 *	74,500				
80	59,900 *	69,000					80	60,100 *	68,500				
85	54,900 *	63,900	58,600				85	54,900 *	63,500				
90	50,200 *	59,500	54,400				90	50,400 *	59,000	54,000			
95	46,300 *	55,500	50,900				95	46,500 *	55,300	50,400			
100	40,300 *	52,200	47,600				100	42,900 *	51,800	47,100			
110		46,300	42,300	39,000			110	34,800 *	45,800	41,800	38,500		
120			37,900	34,800			120		40,100 *	37,200	34,300		
130				31,500	28,200		130			33,700	31,000	27,500	
140				28,600	25,500		140				28,200	25,100	
150					23,300	20,900	150				25,500	22,700	20,200
160						18,900	160					20,900	18,300
170							170						16,700

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

160' Boom							160' Boom						
Load Radius (ft.)	110 ft Jib						Load Radius (ft.)	120 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
45	88,500 *						45						
50	88,500 *						50	82,500 *					
55	88,500 *						55	81,800 *					
60	88,500 *						60	81,200 *					
65	83,500 *						65	80,200 *					
70	74,700 *	80,900					70	74,700 *					
75	67,400 *	74,900					75	67,200 *	74,000				
80	61,200 *	69,000					80	61,000 *	68,500				
85	56,000 *	63,900					85	55,700 *	63,500				
90	51,300 *	59,500					90	51,300 *	59,000				
95	47,400 *	55,500	50,700				95	47,400 *	55,100	50,200			
100	43,800 *	52,000	47,600				100	43,800 *	51,800	46,900			
110	37,900 *	46,300	42,100				110	37,900 *	45,800	41,600			
120	31,300 *	41,200 *	37,700	34,600			120	33,000 *	41,000	37,200	34,100		
130		35,900 *	33,900	31,300			130	27,300 *	35,900 *	33,500	30,800		
140			30,800	28,400	25,300		140		31,500 *	30,400	28,000	24,600	
150				25,700	22,900		150			27,700	25,500	22,400	
160				23,800	20,900	18,700	160				23,300	20,500	
170					19,400	16,900	170				21,600	18,700	16,300
180						15,400	180					17,100	14,700
190							190						13,600

  

160' Boom							160' Boom						
Load Radius (ft.)	130 ft Jib						Load Radius (ft.)	140 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
50	73,600 *						50						
55	72,900 *						55	64,800 *					
60	70,700 *						60	62,100 *					
65	66,800 *						65	58,400 *					
70	63,000 *						70	55,100 *					
75	59,700 *	70,100					75	52,200 *					
80	56,800 *	66,100					80	49,300 *	55,700 *				
85	54,000 *	62,600					85	46,900 *	52,900 *				
90	51,500 *	58,800					90	44,700 *	50,000 *				
95	48,200 *	54,900					95	42,700 *	47,600 *				
100	44,500 *	51,300	47,100				100	40,700 *	45,400 *				
110	38,500 *	45,600	41,600				110	37,400 *	41,400 *	41,200			
120	33,700 *	40,700	37,200				120	33,500 *	38,100 *	36,800			
130	29,700 *	35,900 *	33,500	30,400			130	29,500 *	35,200 *	33,200	30,400		
140		31,500 *	30,400	27,500			140	26,200 *	32,100 *	30,200	27,500		
150		28,000 *	27,700	25,100	22,400		150		28,400 *	27,500	25,100		
160			25,500	23,100	20,500		160		25,300 *	25,100	22,900	20,000	
170				21,100	18,700	15,800	170			23,100	21,100	18,000	
180				19,600	17,100	14,300	180				19,600	16,500	14,300
190					15,800	13,200	190				18,000	15,200	13,000
200						11,900	200					13,800	11,900
210							210						10,800

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

160' Boom							160' Boom						
Load Radius (ft.)	150 ft Jib						Load Radius (ft.)	160 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
60	51,500 *						60	44,500 *					
65	48,500 *						65	41,800 *					
70	45,800 *						70	39,400 *					
75	43,400 *						75	37,200 *					
80	41,200 *						80	35,200 *					
85	39,200 *	45,400 *					85	33,500 *					
90	37,200 *	42,900 *					90	31,700 *	37,000 *				
95	35,500 *	40,700 *					95	30,200 *	35,000 *				
100	33,900 *	38,800 *					100	28,800 *	33,200 *				
110	31,300 *	35,500 *	40,500 *				110	26,200 *	30,200 *				
120	28,800 *	32,400 *	36,800 *				120	24,200 *	27,300 *	31,300 *			
130	26,600 *	29,700 *	33,500				130	22,200 *	25,100 *	28,400 *			
140	24,900 *	27,500 *	30,400	27,500			140	20,500 *	23,100 *	26,000 *	27,100		
150	23,300 *	25,700 *	27,700	24,900			150	19,100 *	21,300 *	24,000 *	24,400		
160		24,000 *	25,300	22,900	20,200		160	17,800 *	19,800 *	22,000 *	22,400		
170		22,700 *	23,300	20,900	18,500		170		18,500 *	20,500 *	20,700	17,800	
180			21,600	19,400	16,900	14,100	180		17,400 *	19,100 *	18,900	16,300	
190				18,000	15,400	12,700	190			17,800 *	17,600	14,700	12,100
200				16,700	14,100	11,600	200				16,300	13,600	11,000
210					13,000	10,500	210				14,900	12,500	9,900
220						9,700	220					11,400	9,000
230							230						8,300

  

160' Boom							160' Boom						
Load Radius (ft.)	170 ft Jib						Load Radius (ft.)	170 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
65	37,200 *												
70	35,000 *												
75	33,000 *												
80	31,300 *												
85	29,500 *												
90	28,000 *	32,800 *											
95	26,600 *	31,000 *											
100	25,300 *	29,300 *											
110	22,900 *	26,400 *											
120	20,900 *	24,000 *	27,500 *										
130	19,100 *	21,800 *	25,100 *										
140	17,600 *	20,000 *	22,700 *										
150	16,300 *	18,500 *	20,900 *	23,500 *									
160	15,200 *	16,900 *	19,100 *	21,600 *									
170	14,100 *	15,600 *	17,600 *	19,800 *	17,400								
180		14,500 *	16,300 *	18,300 *	15,800								
190		13,600 *	15,200 *	16,900 *	14,500								
200			14,100 *	15,600 *	13,200	10,500							
210				14,500 *	12,100	9,400							
220				13,400	11,000	8,500							
230					10,100	7,900							
240						7,000							

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

170' Boom							170' Boom						
Load Radius (ft.)	70 ft Jib						Load Radius (ft.)	80 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
40	88,500 *						40	88,500 *					
45	88,500 *						45	88,500 *					
50	88,500 *						50	88,500 *					
55	88,500 *	88,500					55	88,500 *					
60	88,500 *	88,500					60	88,500 *	88,500				
65	81,300 *	88,500					65	82,000 *	88,500				
70	72,500 *	81,800					70	73,200 *	81,300				
75	65,000 *	74,900					75	65,900 *	74,500				
80	56,600 *	69,000	63,000				80	59,700 *	68,700	62,600			
85		63,900	58,400				85	54,400 *	63,700	57,900			
90		59,500	54,400				90	47,800 *	59,300	54,000			
95		55,500	50,700				95		55,300	50,200			
100			47,600	43,600			100		51,800	47,100			
110			42,100	38,800			110			41,600	38,300		
120				34,600	31,000		120			37,200	34,100	30,400	
130					27,700		130				30,800	27,300	
140					25,300	22,700	140					24,600	22,000
150						20,500	150					22,700	19,800
160							160						17,800
170' Boom							170' Boom						
Load Radius (ft.)	90 ft Jib						Load Radius (ft.)	100 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
45	88,500 *						45	88,500 *					
50	88,500 *						50	88,500 *					
55	88,500 *						55	88,500 *					
60	88,500 *						60	88,500 *					
65	82,600 *	88,500					65	84,000 *					
70	73,800 *	81,100					70	74,900 *	80,200				
75	66,500 *	74,300					75	67,400 *	74,300				
80	60,400 *	68,500					80	61,200 *	68,500				
85	55,100 *	63,500	57,700				85	56,000 *	63,500				
90	50,400 *	59,000	53,500				90	51,300 *	59,000	53,500			
95	46,300 *	55,100	50,000				95	47,100 *	55,100	50,000			
100	41,000 *	51,500	46,900				100	43,600 *	51,800	46,700			
110		45,800	41,400	37,900			110	35,900 *	45,800	41,400			
120			37,000	33,900			120		41,000	37,000	33,700		
130			33,500	30,600	27,100		130			33,200	30,400		
140				27,700	24,400		140			30,400	27,500	24,200	
150					22,200	19,400	150				25,100	22,000	
160						17,400	160					20,000	17,100
170						15,800	170						15,600
180							180						14,300

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

170' Boom							170' Boom						
Load Radius (ft.)	110 ft Jib						Load Radius (ft.)	120 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
45	88,500 *						45						
50	88,500 *						50	79,600 *					
55	88,500 *						55	78,800 *					
60	88,000 *						60	78,000 *					
65	84,200 *						65	77,100 *					
70	75,100 *	80,000					70	75,100 *					
75	67,900 *	74,300					75	67,600 *	73,400				
80	61,500 *	68,300					80	61,500 *	67,900				
85	56,200 *	63,200					85	56,200 *	63,000				
90	51,500 *	58,800					90	51,500 *	58,600				
95	47,600 *	55,100	49,800				95	47,600 *	54,600				
100	44,000 *	51,500	46,700				100	43,800 *	51,100	46,300			
110	38,100 *	45,800	41,200				110	37,900 *	45,400	40,700			
120	31,500 *	41,000	36,800	33,700			120	33,200 *	40,500	36,300			
130		36,300 *	33,200	30,400			130	27,500 *	36,300 *	32,800	29,900		
140			30,200	27,500	24,200		140		31,900 *	29,700	27,100		
150			27,500	25,100	22,000		150			27,100	24,600	21,300	
160				23,100	20,000	17,100	160			24,900	22,700	19,100	
170					18,300	15,400	170				20,700	17,400	14,700
180						14,100	180					16,000	13,400
190						13,000	190						12,300
200							200						11,200

  

170' Boom							170' Boom						
Load Radius (ft.)	130 ft Jib						Load Radius (ft.)	140 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
55	70,500 *						55	59,000 *					
60	69,600 *						60	59,000 *					
65	67,000 *						65	58,600 *					
70	63,200 *						70	55,300 *					
75	59,900 *						75	52,200 *					
80	56,800 *	67,000 *					80	49,600 *	56,400 *				
85	54,200 *	62,600					85	47,100 *	53,500 *				
90	51,800 *	58,200					90	44,900 *	50,700 *				
95	48,200 *	54,400					95	42,700 *	48,200 *				
100	44,700 *	50,900					100	41,000 *	45,800 *				
110	38,800 *	45,200	41,000				110	37,700 *	41,800 *	40,500			
120	33,900 *	40,300	36,600				120	33,700 *	38,500 *	36,100			
130	29,700 *	36,300	33,000	29,500			130	29,700 *	35,700 *	32,600			
140	24,900 *	31,900 *	29,900	26,600			140	26,200 *	32,600 *	29,500	26,600		
150		28,200 *	27,300	24,200	21,300		150		28,800 *	26,900	24,200		
160			25,100	22,200	19,400		160		25,500 *	24,600	22,200	18,700	
170			23,100	20,500	17,600		170			22,700	20,500	16,900	
180				18,900	16,000	13,000	180				18,900	15,400	12,700
190					14,700	11,600	190				17,400	14,100	11,600
200						10,800	200					12,700	10,500
210						9,700	210						9,700
220							220						8,800



# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

170' Boom							170' Boom						
Load Radius (ft.)	150 ft Jib						Load Radius (ft.)	160 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
60	51,800 *						60	44,700 *					
65	48,700 *						65	42,100 *					
70	45,800 *						70	39,600 *					
75	43,400 *						75	37,400 *					
80	41,200 *						80	35,200 *					
85	39,200 *	46,000 *					85	33,500 *					
90	37,200 *	43,600 *					90	31,900 *	37,400 *				
95	35,700 *	41,400 *					95	30,400 *	35,500 *				
100	34,100 *	39,200 *					100	28,800 *	33,700 *				
110	31,300 *	35,700 *	40,700				110	26,400 *	30,400 *				
120	28,800 *	32,600 *	36,600				120	24,200 *	27,700 *	31,900 *			
130	26,600 *	30,200 *	32,800				130	22,200 *	25,300 *	29,100 *			
140	24,900 *	27,700 *	29,700	26,600			140	20,700 *	23,300 *	26,400 *			
150	23,300 *	26,000 *	27,100	24,200			150	19,100 *	21,600 *	24,400 *	23,800		
160		24,200 *	24,900	22,000			160	17,800 *	20,000 *	22,400 *	21,600		
170		22,700 *	22,900	20,200	17,400		170		18,700 *	20,700 *	19,800	16,700	
180			21,100	18,700	15,800		180		17,400 *	19,400 *	18,300	15,200	
190				17,400	14,300	11,400	190			18,000 *	16,900	13,600	
200				16,000	13,200	10,300	200				15,400	12,500	9,700
210					12,100	9,400	210				14,300	11,400	8,800
220						8,500	220					10,500	7,900
230						7,700	230						7,200
240							240						6,600

  

170' Boom							170' Boom						
Load Radius (ft.)	170 ft Jib						Load Radius (ft.)	170 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
65	37,400 *												
70	35,200 *												
75	33,200 *												
80	31,300 *												
85	29,700 *												
90	28,200 *	33,200 *											
95	26,600 *	31,500 *											
100	25,300 *	29,700 *											
110	23,100 *	26,600 *											
120	20,900 *	24,200 *	28,200 *										
130	19,100 *	22,000 *	25,500 *										
140	17,600 *	20,200 *	23,100 *										
150	16,300 *	18,500 *	21,100 *	23,300									
160	15,200 *	17,100 *	19,400 *	21,300									
170	14,100 *	15,800 *	17,800 *	19,600									
180		14,700 *	16,500 *	18,000	14,700								
190		13,600 *	15,400 *	16,500	13,400								
200			14,300 *	14,900	12,100	9,200							
210				13,800	11,000	8,300							
220				12,700	10,100	7,400							
230					9,200	6,800							
240						6,100							
250						5,500							

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

180' Boom							180' Boom						
Load Radius (ft.)	70 ft Jib						Load Radius (ft.)	80 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
40	88,500 *						40	88,500 *					
45	88,500 *						45	88,500 *					
50	88,500 *						50	88,500 *					
55	87,000 *						55	85,500 *					
60	81,300 *	88,500					60	80,000 *	88,500				
65	76,200 *	88,500					65	75,100 *	88,500				
70	72,100 *	81,100					70	70,700 *	80,700				
75	65,400 *	74,300					75	67,000 *	73,800				
80	57,500 *	68,300	61,900				80	60,800 *	68,100				
85		63,500	57,300				85	55,300 *	63,000	57,300			
90		59,000	53,300				90	48,900 *	58,600	53,300			
95		55,100	49,800				95		54,900	49,800			
100			46,700	42,500			100		51,300	46,700			
110			41,400	37,700			110			41,200	37,000		
120				33,500	29,500		120			37,000	33,000		
130					26,600		130				29,700	26,400	
140					24,000	20,700	140					24,000	
150						18,700	150					21,800	18,000
160							160						16,300

  

180' Boom							180' Boom						
Load Radius (ft.)	90 ft Jib						Load Radius (ft.)	100 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
45	88,500 *						45	88,500 *					
50	88,500 *						50	88,500 *					
55	85,100 *						55	84,400 *					
60	79,600 *						60	78,900 *					
65	74,500 *	87,900					65	73,800 *					
70	70,100 *	80,900					70	69,600 *	79,600				
75	66,300 *	74,000					75	65,700 *	73,600				
80	61,500 *	68,300					80	61,500 *	67,900				
85	56,000 *	63,200					85	56,200 *	62,800				
90	51,300 *	58,800	52,900				90	51,500 *	58,400				
95	47,100 *	55,100	49,300				95	47,400 *	54,600	48,900			
100	42,100 *	51,500	46,300				100	43,800 *	51,100	45,800			
110		45,800	41,000	37,200			110	36,100 *	45,400	40,500			
120			36,800	33,200			120		40,700	36,300	32,800		
130			33,000	29,900	26,200		130			32,600	29,500		
140				27,100	23,500		140			29,700	26,600	22,900	
150					21,300		150				24,400	20,700	
160					19,400	16,300	160					18,700	15,600
170						14,700	170					16,900	14,100
180							180						12,700

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

180' Boom							180' Boom						
Load Radius (ft.)	110 ft Jib						Load Radius (ft.)	120 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
50	85,300 *						50	71,700 *					
55	84,200 *						55	70,500 *					
60	78,700 *						60	69,400 *					
65	73,600 *						65	68,300 *					
70	69,200 *						70	67,100 *					
75	65,200 *	72,500					75	64,800 *	72,700				
80	61,900 *	67,600					80	61,200 *	67,400				
85	56,400 *	62,800					85	56,400 *	62,400				
90	51,800 *	58,400					90	51,800 *	57,900				
95	47,800 *	54,600	48,900				95	47,600 *	54,200				
100	44,300 *	51,100	45,800				100	44,000 *	50,700	45,200			
110	38,100 *	45,400	40,500				110	38,100 *	44,900	39,900			
120	31,900 *	40,500	36,100	32,600			120	33,200 *	40,300	35,700			
130		36,600	32,600	29,300			130	27,700 *	36,300	32,100	28,800		
140			29,500	26,600			140		32,400 *	29,100	26,200		
150			27,100	24,200	20,500		150			26,600	23,800	19,800	
160				22,200	18,500		160			24,400	21,800	17,800	
170					16,700	13,800	170				20,000	16,000	13,200
180					15,400	12,500	180					14,700	11,900
190						11,400	190					13,400	10,800
200							200						9,900

  

180' Boom							180' Boom						
Load Radius (ft.)	130 ft Jib						Load Radius (ft.)	140 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
55	59,000 *						55	59,000 *					
60	59,000 *						60	59,000 *					
65	59,000 *						65	58,800 *					
70	59,000 *						70	55,300 *					
75	59,000 *						75	52,400 *					
80	57,100 *	59,000					80	49,600 *					
85	54,400 *	59,000					85	47,100 *	54,200 *				
90	51,800 *	57,700					90	44,900 *	51,300 *				
95	48,500 *	53,800					95	42,900 *	48,700 *				
100	44,900 *	50,400					100	41,000 *	46,500 *				
110	38,800 *	44,700	40,100				110	37,700 *	42,300 *	39,600			
120	33,900 *	39,900	35,900				120	33,700 *	38,800 *	35,500			
130	29,900 *	36,100	32,100	28,600			130	29,700 *	35,900 *	31,700			
140	25,100 *	32,400 *	29,300	25,700			140	26,200 *	32,800 *	28,800	25,700		
150		28,600 *	26,600	23,500			150	22,200 *	29,300 *	26,200	23,500		
160			24,400	21,300	17,800		160		26,000 *	24,000	21,300	17,100	
170			22,400	19,800	16,300		170			22,000	19,600	15,600	
180				18,300	14,700	11,400	180			20,500	18,000	14,100	
190					13,400	10,300	190				16,700	12,700	10,100
200					12,300	9,200	200					11,600	9,200
210						8,300	210					10,800	8,300
220							220						7,400

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

180' Boom							180' Boom						
Load Radius (ft.)	150 ft Jib						Load Radius (ft.)	160 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
60	51,800 *						60	44,900 *					
65	48,900 *						65	42,100 *					
70	46,000 *						70	39,600 *					
75	43,600 *						75	37,400 *					
80	41,400 *						80	35,500 *					
85	39,200 *	46,700 *					85	33,700 *					
90	37,400 *	44,000 *					90	31,900 *	37,900 *				
95	35,700 *	41,800 *					95	30,400 *	35,900 *				
100	34,100 *	39,600 *					100	28,800 *	33,900 *				
110	31,300 *	36,100 *					110	26,400 *	30,600 *				
120	28,800 *	33,000 *	35,700				120	24,200 *	28,000 *	32,600 *			
130	26,600 *	30,400 *	32,100				130	22,200 *	25,500 *	29,500 *			
140	24,900 *	28,000 *	29,100	25,700			140	20,700 *	23,500 *	26,900 *			
150	23,300 *	26,000 *	26,600	23,300			150	19,100 *	21,600 *	24,600 *	22,900		
160		24,400 *	24,400	21,300			160	17,800 *	20,000 *	22,700 *	20,900		
170		22,900 *	22,400	19,600	16,000		170		18,700 *	21,100 *	19,100		
180			20,700	18,000	14,500		180		17,600 *	19,600 *	17,400	13,800	
190			19,100	16,500	13,200	9,900	190			18,300 *	15,800	12,500	
200				15,200	12,100	9,000	200			17,100 *	14,500	11,400	8,300
210					11,000	8,100	210				13,400	10,300	7,400
220					10,100	7,200	220					9,400	6,600
230						6,600	230					8,500	5,900

  

180' Boom							180' Boom						
Load Radius (ft.)	170 ft Jib						Load Radius (ft.)	170 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
65	37,700 *												
70	35,200 *												
75	33,200 *												
80	31,500 *												
85	29,700 *												
90	28,200 *												
95	26,600 *	31,700 *											
100	25,300 *	30,200 *											
110	23,100 *	27,100 *											
120	21,100 *	24,400 *											
130	19,400 *	22,200 *	26,000 *										
140	17,800 *	20,500 *	23,500 *										
150	16,300 *	18,700 *	21,600 *	22,700									
160	15,200 *	17,100 *	19,800 *	20,500									
170	14,100 *	15,800 *	18,000 *	18,700									
180		14,700 *	16,700 *	16,900	13,400								
190		13,800 *	15,600 *	15,400	12,100								
200			14,500 *	14,100	11,000								
210			13,600 *	13,000	9,900	7,000							
220				11,900	9,000	6,100							
230					8,100								
240					7,400								

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

190' Boom							190' Boom						
Load Radius (ft.)	70 ft Jib						Load Radius (ft.)	80 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
45	88,100 *						45	87,700 *					
50	81,500 *						50	81,100 *					
55	75,800 *						55	75,400 *					
60	71,000 *	85,700 *					60	70,300 *					
65	66,800 *	79,300 *					65	65,900 *	78,700 *				
70	63,000 *	73,800 *					70	62,100 *	73,400 *				
75	59,700 *	69,200 *					75	58,600 *	68,500 *				
80	57,100 *	65,000 *	61,500				80	55,700 *	64,300 *				
85		61,200 *	56,800				85	53,100 *	60,600 *	56,400			
90		58,200 *	52,900				90	49,600 *	57,300 *	52,400			
95		54,900	49,300				95		54,400 *	48,900			
100			46,300				100		51,300	45,800			
110			41,000	37,000			110			40,500	36,600		
120				33,000			120			36,300	32,600		
130				29,700	26,000		130				29,300	25,300	
140					23,300		140				26,600	22,700	
150						17,600	150					20,500	16,900
160						15,800	160						15,200
170							170						13,800
190' Boom							190' Boom						
Load Radius (ft.)	90 ft Jib						Load Radius (ft.)	100 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
45	85,300 *						45	84,800 *					
50	79,100 *						50	78,400 *					
55	73,600 *						55	72,900 *					
60	68,700 *						60	68,300 *					
65	64,600 *	78,200 *					65	63,900 *					
70	60,800 *	72,900 *					70	60,100 *	72,300 *				
75	57,500 *	68,100 *					75	56,800 *	67,400 *				
80	54,600 *	63,900 *					80	54,000 *	63,200 *				
85	52,000 *	60,100 *					85	51,100 *	59,500 *				
90	49,600 *	56,800 *	52,400				90	48,700 *	56,200 *				
95	47,600 *	53,800 *	48,900				95	46,500 *	53,100 *	48,500			
100	43,200 *	51,100	45,800				100	44,700 *	50,400 *	45,400			
110		45,400	40,700				110	37,200 *	44,900	40,300			
120			36,300	32,400			120		40,300	35,900	31,700		
130			32,800	29,100			130			32,400	28,600		
140				26,400	22,700		140			29,500	26,000	22,000	
150				24,000	20,500		150				23,500	19,800	
160					18,700	14,700	160				21,600	18,000	
170						13,400	170					16,300	12,700
180						12,100	180						11,400
190							190						10,300

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

190' Boom							190' Boom						
Load Radius (ft.)	110 ft Jib						Load Radius (ft.)	120 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
50	78,200 *						50	59,000 *					
55	72,700 *						55	59,000 *					
60	67,900 *						60	59,000 *					
65	63,700 *						65	59,000 *					
70	59,900 *						70	59,000 *					
75	56,600 *	67,200 *					75	56,000 *	59,000 *				
80	53,500 *	63,000 *					80	53,100 *	59,000 *				
85	50,900 *	59,300 *					85	50,200 *	58,800 *				
90	48,500 *	56,000 *					90	47,800 *	55,300 *				
95	46,300 *	52,900 *					95	45,600 *	52,400 *				
100	44,000 *	50,200 *	45,400				100	43,600 *	49,600 *				
110	39,000 *	44,900	40,100				110	39,000 *	44,500	39,600			
120	32,800 *	40,100	35,900				120	34,100 *	39,900	35,500			
130		36,300	32,400	28,400			130	28,600 *	35,900	31,900	28,000		
140			29,300	25,700			140		32,600	28,800	25,300		
150			26,900	23,500	19,600		150			26,400	23,100		
160				21,600	17,800		160			24,200	21,100	17,100	
170				19,800	16,000	12,500	170				19,400	15,400	
180					14,700	11,200	180				17,800	14,100	10,500
190						10,100	190					12,700	9,400
200						9,200	200						8,500
210							210						7,700

  

190' Boom							190' Boom						
Load Radius (ft.)	130 ft Jib						Load Radius (ft.)	140 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
55	59,000 *						55	58,600 *					
60	59,000 *						60	58,000 *					
65	59,000 *						65	57,300 *					
70	59,000 *						70	55,500 *					
75	55,700 *						75	52,400 *					
80	52,600 *	59,000 *					80	49,800 *					
85	49,800 *	58,400 *					85	47,400 *	54,900 *				
90	47,400 *	54,900 *					90	44,900 *	52,000 *				
95	45,200 *	52,000 *					95	42,900 *	49,300 *				
100	42,900 *	49,100 *					100	41,000 *	46,900 *				
110	39,000 *	44,300	39,400				110	37,700 *	42,700 *	39,000			
120	33,900 *	39,600	35,000				120	33,700 *	39,200 *	34,600			
130	29,900 *	35,700	31,500				130	29,700 *	35,700	31,000			
140	25,300 *	32,400	28,600	24,900			140	26,400 *	32,400	28,200	25,100		
150		28,800 *	26,200	22,700			150	22,200 *	29,700	25,700	22,700		
160			24,000	20,700	16,700		160		26,200 *	23,500	20,700		
170			22,000	18,900	14,900		170			21,600	18,900	14,300	
180				17,400	13,600		180			20,000	17,400	13,000	
190				15,800	12,300	9,000	190				15,800	11,600	9,000
200					11,200	8,100	200					10,500	7,900
210						7,200	210					9,700	7,200
220						6,600	220						6,300

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

190' Boom							190' Boom						
Load Radius (ft.)	150 ft Jib						Load Radius (ft.)	160 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
60	52,000 *						60	44,900 *					
65	48,900 *						65	42,300 *					
70	46,300 *						70	39,900 *					
75	43,600 *						75	37,700 *					
80	41,400 *						80	35,500 *					
85	39,400 *						85	33,700 *					
90	37,400 *	44,700 *					90	31,900 *	38,300 *				
95	35,700 *	42,300 *					95	30,400 *	36,300 *				
100	34,100 *	40,100 *					100	29,100 *	34,300 *				
110	31,300 *	36,600 *					110	26,400 *	31,000 *				
120	28,800 *	33,200 *	35,000				120	24,200 *	28,200 *	33,200 *			
130	26,600 *	30,600 *	31,500				130	22,200 *	25,700 *	30,200 *			
140	24,900 *	28,200 *	28,600				140	20,700 *	23,800 *	27,300 *			
150	23,300 *	26,200 *	26,000	22,700			150	19,100 *	21,800 *	25,100 *	22,000		
160	20,700 *	24,400 *	23,800	20,700			160	17,800 *	20,200 *	23,100 *	20,000		
170		23,100 *	22,000	18,700	14,700		170		18,900 *	21,300 *	18,300		
180			20,200	17,100	13,400		180		17,600 *	19,800	16,500	12,700	
190			18,700	15,600	12,100		190			18,300	15,200	11,400	
200				14,300	11,000	7,900	200			16,900	13,800	10,300	
210					10,100	7,000	210				12,700	9,400	
220					9,200	6,100	220					8,500	
230							230					7,700	

  

190' Boom							190' Boom						
Load Radius (ft.)	170 ft Jib						Load Radius (ft.)	170 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
65	37,700 *												
70	35,500 *												
75	33,200 *												
80	31,500 *												
85	29,700 *												
90	28,200 *												
95	26,900 *	32,100 *											
100	25,500 *	30,400 *											
110	23,100 *	27,300 *											
120	21,100 *	24,600 *											
130	19,400 *	22,400 *	26,400 *										
140	17,800 *	20,500 *	24,000 *										
150	16,300 *	18,900 *	21,800 *										
160	15,200 *	17,400 *	20,000 *	19,600									
170	14,100 *	16,000 *	18,500 *	17,800									
180		14,900 *	16,900 *	16,000	12,300								
190		13,800 *	15,600 *	14,700	11,000								
200			14,700 *	13,400	9,900								
210			13,600 *	12,300	9,000								
220				11,200	8,100								
230					7,200								
240					6,600								