



## LIFTING CHARTS - Crawler Cranes

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

#### CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

100' Boom							100' 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
35	118,000 *						35	118,000 *					
40	118,000 *						40	118,000 *					
45	118,000 *						45	118,000 *					
50	114,800 *	116,100					50	115,700 *	116,100				
55	99,400 *	112,100					55	100,300 *	112,100				
60	87,300 *	101,500					60	88,100 *	101,600				
65	77,600 *	92,700	90,400				65	78,200 *	92,900	89,900			
70	69,400 *	84,300 *	82,200				70	70,300 *	84,500	81,800			
75	61,900 *	76,000 *	75,400	72,500			75	63,500 *	76,600 *	74,900			
80		68,300 *	69,400	66,800			80	57,700 *	69,200 *	69,200	66,300		
85		61,700 *	64,300	61,900			85	51,800 *	62,600 *	64,100	61,500		
90			59,900	57,500	55,300		90		57,100 *	59,700	57,100		
95			56,000	53,800	51,500		95		52,000 *	55,700	53,300	51,100	
100				50,400	48,500		100			52,200	50,000	48,000	
110					42,900	41,200	110				44,500	42,500	40,700
120						37,000	120					38,100	36,600
130							130						33,000

  

100' Boom							100' 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	118,000 *						40	118,000 *					
45	118,000 *						45	118,000 *					
50	116,400 *						50	116,400 *					
55	100,700 *	112,100					55	100,900 *					
60	88,600 *	101,600					60	88,800 *	101,600				
65	78,900 *	92,900					65	78,900 *	92,900				
70	70,700 *	84,600	81,500				70	71,000 *	84,600				
75	64,100 *	77,400	74,700				75	64,100 *	77,400	74,300			
80	58,400 *	70,300 *	68,700				80	58,400 *	70,400 *	68,300			
85	53,500 *	63,900 *	63,700	61,500			85	53,500 *	63,900 *	63,500			
90	49,100 *	58,200 *	59,300	57,100			90	49,300 *	58,400 *	59,000	56,600		
95	44,300 *	53,300 *	55,500	53,300			95	45,600 *	53,500 *	55,100	52,900		
100		49,100 *	52,000	50,000	47,600		100	42,300 *	49,300 *	51,500	49,600		
110			46,300	44,500	42,300		110		42,300 *	45,800	44,000	41,800	
120				39,900	37,900	36,300	120			41,000	39,400	37,400	
130					34,100	32,800	130				35,700	33,700	32,400
140						29,900	140					30,800	29,500
150							150						27,100

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

100' Boom							100' 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	113,700 *						45	88,500 *					
50	112,200 *						50	88,500 *					
55	102,500 *						55	88,500 *					
60	90,100 *						60	83,500 *					
65	80,200 *	92,800					65	78,900 *	85,900 *				
70	72,100 *	84,800					70	71,800 *	81,100 *				
75	65,200 *	77,600					75	65,200 *	76,700 *				
80	59,500 *	70,700 *	68,500				80	59,300 *	71,600 *				
85	54,600 *	64,100 *	63,500				85	54,400 *	65,000 *	63,200			
90	50,200 *	58,600 *	59,000				90	50,000 *	59,500 *	58,800			
95	46,500 *	53,800 *	55,300	52,900			95	46,300 *	54,600 *	54,900			
100	43,200 *	49,600 *	51,800	49,600			100	42,900 *	50,200 *	51,300	49,300		
110	37,400 *	42,700 *	46,000	43,800			110	37,400 *	43,200 *	45,600	43,800		
120		37,000 *	41,200	39,400	37,700		120	32,800 *	37,700 *	40,700	39,200	37,000	
130			36,800 *	35,500	33,900	32,400	130		33,000 *	36,600 *	35,500	33,500	
140				32,400	30,800	29,300	140			32,100 *	32,100	30,400	29,300
150					28,200	26,900	150				29,500	27,700	26,600
160						24,600	160					25,500	24,400
170							170						22,700

  

100' Boom							100' 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	77,600 *						50						
55	73,800 *						55	64,600 *					
60	69,400 *						60	60,800 *					
65	65,400 *						65	57,300 *					
70	61,900 *	68,500 *					70	54,200 *					
75	58,800 *	64,800 *					75	51,300 *	54,600 *				
80	56,000 *	61,500 *					80	48,700 *	51,800 *				
85	53,300 *	58,400 *					85	46,500 *	49,100 *				
90	50,900 *	55,500 *	58,800				90	44,300 *	46,900 *				
95	46,900 *	53,100 *	54,900				95	42,300 *	44,700 *	50,200 *			
100	43,600 *	50,200 *	51,500				100	40,500 *	42,700 *	47,800 *			
110	37,900 *	43,200 *	45,600	43,600			110	37,200 *	39,200 *	43,600 *			
120	33,200 *	37,700 *	40,700	39,000			120	33,000 *	36,300 *	39,900 *	39,000		
130	29,300 *	33,000 *	37,000	35,200	33,500		130	29,300 *	33,700 *	36,600 *	35,000	33,000	
140		29,300 *	32,800 *	31,900	30,400	28,800	140	26,000 *	29,700 *	32,600 *	31,900	29,900	
150			29,100 *	29,300	27,700	26,400	150		26,400 *	28,800 *	29,100	27,300	26,200
160				26,900	25,500	24,200	160			25,700 *	26,600	25,100	24,000
170					23,500	22,200	170				24,600	23,100	22,200
180						20,700	180					21,300	20,500
190							190						18,900

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

100' Boom							100' 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	53,500 *						55						
60	50,400 *						60	43,600 *					
65	47,600 *						65	41,000 *					
70	44,900 *						70	38,800 *					
75	42,700 *	47,100 *					75	36,600 *					
80	40,500 *	44,500 *					80	34,800 *	38,300 *				
85	38,500 *	42,300 *					85	33,000 *	36,300 *				
90	36,800 *	40,100 *					90	31,300 *	34,300 *				
95	35,000 *	38,300 *					95	29,900 *	32,600 *				
100	33,500 *	36,600 *	39,600 *				100	28,400 *	31,000 *	33,900 *			
110	30,800 *	33,500 *	36,100 *				110	26,000 *	28,400 *	30,800 *			
120	28,600 *	30,600 *	33,000 *	35,900 *			120	24,000 *	26,000 *	28,200 *			
130	26,400 *	28,400 *	30,600 *	32,800 *			130	22,000 *	23,800 *	25,700 *	27,700 *		
140	24,600 *	26,400 *	28,200 *	30,400 *	30,200		140	20,500 *	22,000 *	23,800 *	25,500 *		
150	23,300 *	24,600 *	26,400 *	28,200 *	27,500		150	19,100 *	20,500 *	22,000 *	23,500 *	25,300 *	
160		23,300 *	24,600 *	26,200 *	25,300	24,000	160	17,800 *	19,100 *	20,500 *	21,800 *	23,300 *	23,500
170			23,300 *	24,600	23,300	22,000	170		17,800 *	18,900 *	20,200 *	21,600 *	21,600
180				22,700	21,600	20,200	180			17,800 *	18,900 *	20,200 *	20,000
190					20,000	18,900	190				17,800 *	18,900 *	18,500
200							200					17,800 *	17,100
100' Boom							100' Boom						
Load Radius (ft.)	170 ft Jib						Load Radius (ft.)	180 ft Jib					
	Boom Angle (deg.)							Boom Angle (deg.)					
	88	83	78	73	68	63		88	83	78	73	68	63
60	39,000 *						60						
65	36,600 *						65						
70	34,300 *						70						
75	32,600 *						75						
80	30,800 *						80						
85	29,100 *	32,100 *					85						
90	27,700 *	30,400 *					90						
95	26,200 *	28,800 *					95						
100	25,100 *	27,500 *					100						
110	22,900 *	24,900 *	27,100 *				110						
120	20,900 *	22,700 *	24,600 *				120						
130	19,100 *	20,700 *	22,400 *	24,400 *			130						
140	17,600 *	19,100 *	20,700 *	22,200 *			140						
150	16,300 *	17,600 *	18,900 *	20,500 *	22,000 *		150						
160	15,200 *	16,300 *	17,600 *	18,900 *	20,200 *		160						
170	14,100 *	15,200 *	16,300 *	17,400 *	18,700 *	20,000 *	170						
180		14,100 *	15,200 *	16,000 *	17,400 *	18,500 *	180						
190			14,100 *	15,200 *	16,000 *	17,100 *	190						
200				14,100 *	14,900 *	15,800 *	200						
210					14,100 *	14,900 *	210						

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

110' Boom							110' 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
35	118,000 *						35	118,000 *					
40	118,000 *						40	118,000 *					
45	118,000 *						45	118,000 *					
50	115,900 *	116,000					50	116,800 *					
55	100,300 *	111,700					55	100,900 *	111,700				
60	87,900 *	100,900					60	88,800 *	101,100				
65	78,000 *	92,100	89,500				65	78,900 *	92,300				
70	69,800 *	84,200	81,300				70	70,700 *	84,600	80,900			
75	62,800 *	76,800	74,500				75	63,900 *	77,400	74,300			
80	51,300 *	69,800 *	68,700	65,700			80	57,900 *	70,800 *	68,300			
85		63,000 *	63,700	60,800			85	52,400 *	64,600 *	63,200	60,800		
90		53,300 *	59,300	56,600			90		58,800 *	59,000	56,600		
95			55,300	52,900	50,700		95		53,800 *	55,100	52,900		
100				49,600	47,400		100			51,500	49,600	46,900	
110					42,100	40,100	110				44,000	41,600	
120						35,900	120					37,200	35,700
130							130						32,100

  

110' Boom							110' 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	118,000 *						40	118,000 *					
45	118,000 *						45	118,000 *					
50	117,500 *						50	117,500 *					
55	101,600 *	111,700					55	101,800 *					
60	89,300 *	101,100					60	89,300 *	100,900				
65	79,300 *	92,300					65	79,300 *	92,100				
70	71,200 *	84,600					70	71,400 *	84,400				
75	64,300 *	77,600	73,800				75	64,600 *	77,300				
80	58,600 *	71,200	68,100				80	58,800 *	71,200	67,600			
85	53,800 *	65,200 *	63,000				85	53,800 *	65,200 *	62,600			
90	49,300 *	59,500 *	58,600	56,200			90	49,600 *	59,500 *	58,200			
95	44,700 *	54,400 *	54,900	52,600			95	45,600 *	54,600 *	54,400	52,200		
100		50,000 *	51,300	49,300			100	42,300 *	50,200 *	51,100	48,900		
110			45,600	43,600	41,400		110		42,900 *	45,200	43,400	40,700	
120				39,200	37,000	35,500	120			40,500	38,800	36,600	
130					33,500	31,900	130				35,000	33,000	31,500
140						29,100	140					29,900	28,600
150							150						26,200

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

110' Boom							110' 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	112,000 *						45						
50	111,100 *						50	88,500 *					
55	103,400 *						55	88,500 *					
60	90,800 *						60	83,700 *					
65	80,700 *	92,300					65	79,100 *					
70	72,500 *	84,200					70	72,300 *	83,700				
75	65,700 *	77,100					75	65,400 *	76,700				
80	59,700 *	71,200	67,900				80	59,700 *	70,500 *				
85	54,900 *	65,700 *	62,800				85	54,600 *	65,400 *	62,400			
90	50,400 *	59,700 *	58,400				90	50,200 *	59,700 *	57,900			
95	46,700 *	54,900 *	54,600				95	46,500 *	54,600 *	54,200			
100	43,200 *	50,400 *	51,100	48,700			100	43,200 *	50,400 *	50,900			
110	37,400 *	43,400 *	45,400	43,200			110	37,400 *	43,200 *	44,900	42,700		
120		37,700 *	40,700	38,800	36,800		120	32,800 *	37,700 *	40,300	38,300		
130			36,800	35,000	33,000		130		32,800 *	36,300	34,600	32,600	
140				31,700	30,200	28,400	140			33,000	31,300	29,700	28,000
150					27,500	26,000	150				28,600	27,100	25,500
160						24,000	160					24,900	23,500
170							170						21,600

  

110' Boom							110' 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	77,600 *						50						
55	74,000 *						55	64,600 *					
60	69,600 *						60	61,000 *					
65	65,700 *						65	57,500 *					
70	62,100 *	69,400 *					70	54,200 *					
75	59,000 *	65,700 *					75	51,300 *	55,300 *				
80	56,200 *	62,100 *					80	48,900 *	52,400 *				
85	53,500 *	59,000 *					85	46,500 *	49,800 *				
90	51,100 *	56,200 *	58,200				90	44,300 *	47,400 *				
95	47,100 *	53,500 *	54,200				95	42,300 *	45,200 *	51,300 *			
100	43,800 *	51,100 *	50,900				100	40,500 *	43,200 *	48,700 *			
110	38,100 *	43,800 *	45,200	42,700			110	37,200 *	39,600 *	44,300 *			
120	33,200 *	38,100 *	40,300	38,300			120	33,000 *	36,600 *	39,900	38,100		
130	29,500 *	33,500 *	36,300	34,600	32,600		130	29,300 *	33,900 *	36,100	34,300		
140		29,500 *	33,000	31,300	29,700		140	26,000 *	30,200 *	32,800	31,300	29,300	
150			29,700 *	28,600	27,100	25,500	150		26,600 *	29,500 *	28,600	26,600	
160				26,400	24,900	23,300	160			26,200 *	26,200	24,400	23,300
170					22,900	21,600	170				24,200	22,400	21,300
180						20,000	180					20,900	19,800
190							190						18,300

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

110' Boom							110' 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	53,800 *						55						
60	50,700 *						60	43,800 *					
65	47,800 *						65	41,200 *					
70	45,200 *						70	38,800 *					
75	42,700 *						75	36,800 *					
80	40,500 *	45,200 *					80	34,800 *	38,800 *				
85	38,500 *	42,700 *					85	33,000 *	36,800 *				
90	36,800 *	40,500 *					90	31,500 *	34,800 *				
95	35,200 *	38,500 *					95	29,900 *	33,000 *				
100	33,700 *	36,800 *	40,500 *				100	28,600 *	31,500 *				
110	30,800 *	33,700 *	36,800 *				110	26,200 *	28,600 *	31,500 *			
120	28,600 *	31,000 *	33,700 *	36,800 *			120	24,000 *	26,200 *	28,600 *			
130	26,400 *	28,600 *	31,000 *	33,700 *			130	22,200 *	24,000 *	26,200 *	28,400 *		
140	24,600 *	26,600 *	28,600 *	31,000 *	29,500		140	20,500 *	22,200 *	24,000 *	26,200 *		
150	23,300 *	24,900 *	26,600 *	28,400	26,900		150	19,100 *	20,700 *	22,200 *	24,000 *	26,000 *	
160		23,300 *	24,900 *	26,200	24,600	23,100	160	17,800 *	19,100 *	20,700 *	22,200 *	24,000 *	
170			23,500 *	24,000	22,700	21,300	170		18,000 *	19,400 *	20,700 *	22,200	20,900
180				22,200	20,900	19,600	180			18,000 *	19,400 *	20,500	19,100
190					19,400	18,300	190				18,000 *	19,100	17,800
200						16,900	200					17,600	16,500
210							210						15,400

  

110' Boom							110' 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
60	39,000 *												
65	36,800 *												
70	34,600 *												
75	32,600 *												
80	30,800 *												
85	29,300 *	32,600 *											
90	27,700 *	30,800 *											
95	26,400 *	29,300 *											
100	25,100 *	27,700 *											
110	22,900 *	25,100 *	27,700 *										
120	20,900 *	22,900 *	25,100 *										
130	19,100 *	20,900 *	22,900 *	25,100 *									
140	17,600 *	19,100 *	20,900 *	22,900 *									
150	16,300 *	17,600 *	19,100 *	20,900 *	22,700 *								
160	15,200 *	16,300 *	17,800 *	19,100 *	20,900 *								
170	14,100 *	15,200 *	16,500 *	17,800 *	19,100 *								
180		14,300 *	15,400 *	16,500 *	17,800 *	18,900							
190			14,300 *	15,400 *	16,500 *	17,600							
200				14,300 *	15,400 *	16,300							
210					14,300 *	14,900							
220						13,800							

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

120' Boom							120' 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
35	118,000 *						35	118,000 *					
40	118,000 *						40	118,000 *					
45	118,000 *						45	118,000 *					
50	117,000 *	115,400					50	118,000 *					
55	100,900 *	111,200					55	101,800 *	111,200				
60	88,600 *	100,500					60	89,500 *	100,600				
65	78,400 *	92,000	88,400				65	79,300 *	92,100				
70	70,300 *	84,300	80,400				70	71,200 *	84,400				
75	63,200 *	77,300	73,600				75	64,100 *	77,300				
80	52,200 *	71,400	67,900				80	58,400 *	71,400				
85		64,600 *	62,800	59,700			85	53,100 *	66,100	62,600			
90		56,600 *	58,600	55,500			90	44,300 *	60,100 *	58,200	55,500		
95			54,600	52,000			95		54,900 *	54,400	51,800		
100			51,300	48,700	46,300		100		48,500 *	50,900	48,500		
110				43,200	41,000	38,800	110			45,200	43,200	40,500	
120					36,600	34,600	120				38,500	36,100	34,300
130						31,300	130					32,800	31,000
140							140						28,200

  

120' Boom							120' 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	118,000 *						40	118,000 *					
45	118,000 *						45	118,000 *					
50	118,000 *						50	118,000 *					
55	102,500 *						55	102,500 *					
60	89,900 *	100,000					60	89,900 *	100,000				
65	79,800 *	92,100					65	80,000 *	91,800				
70	71,600 *	84,200					70	71,600 *	83,700				
75	64,800 *	77,100	72,900				75	64,800 *	76,700				
80	58,800 *	71,200	67,200				80	59,000 *	70,700	66,800			
85	53,800 *	65,900	62,100				85	54,000 *	65,700	61,700			
90	49,600 *	60,600 *	57,900				90	49,600 *	60,800 *	57,500			
95	45,400 *	55,500 *	54,200	51,500			95	45,800 *	55,500 *	53,800			
100		50,900 *	50,700	48,200			100	42,500 *	51,100 *	50,200	47,800		
110		41,800 *	44,900	42,700	40,100		110		43,600 *	44,500	42,300		
120			40,300	38,300	35,900		120		36,300 *	39,900	37,900	35,500	
130				34,600	32,400	30,800	130			36,100	34,300	31,900	30,400
140					29,500	28,000	140				31,000	29,100	27,500
150						25,500	150					26,600	25,100
160							160						23,100

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

120' Boom							120' 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	108,500 *						45						
50	107,600 *						50	88,500 *					
55	104,200 *						55	88,500 *					
60	91,500 *						60	84,200 *					
65	81,300 *	91,700					65	79,300 *					
70	72,900 *	83,700					70	72,700 *	83,100 *				
75	65,900 *	76,700					75	65,900 *	76,700				
80	60,100 *	70,700					80	59,900 *	70,700				
85	55,100 *	65,400	61,900				85	54,900 *	65,400				
90	50,700 *	61,000	57,700				90	50,400 *	60,800	57,300			
95	46,700 *	56,000 *	54,000				95	46,700 *	56,600 *	53,500			
100	43,400 *	51,300 *	50,400				100	43,200 *	52,200 *	50,000			
110	37,700 *	44,000 *	44,700	42,300			110	37,400 *	44,700 *	44,300	42,100		
120		38,100 *	40,100	37,900	35,700		120	32,800 *	38,800 *	39,600	37,700		
130			36,300	34,100	32,100		130		33,900 *	35,900	34,100	31,700	
140			33,000	31,000	29,100	27,300	140			32,600	30,800	28,600	
150				28,400	26,600	24,900	150			29,700 *	28,200	26,200	24,900
160					24,400	22,900	160				26,000	24,000	22,700
170						21,100	170					22,200	20,900

  

120' Boom							120' 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	77,600 *						50						
55	74,300 *						55	64,800 *					
60	69,800 *						60	61,200 *					
65	65,900 *						65	57,700 *					
70	62,400 *	70,500 *					70	54,400 *					
75	59,000 *	66,500 *					75	51,500 *	56,000 *				
80	56,200 *	62,800 *					80	48,900 *	53,100 *				
85	53,500 *	59,700 *					85	46,500 *	50,200 *				
90	51,100 *	56,800 *					90	44,500 *	47,800 *				
95	47,400 *	54,200 *	53,500				95	42,500 *	45,600 *	52,400 *			
100	43,800 *	51,800 *	50,200				100	40,500 *	43,600 *	49,800			
110	38,100 *	44,500 *	44,500				110	37,400 *	39,900 *	44,000			
120	33,500 *	38,800 *	39,900	37,400			120	33,200 *	36,800 *	39,400	37,400		
130	29,500 *	33,900 *	35,900	33,700			130	29,300 *	34,100 *	35,500	33,700		
140		29,900 *	32,600	30,600	28,600		140	26,000 *	30,600 *	32,100	30,600	28,200	
150			29,900	28,000	26,200	24,400	150		27,100 *	29,500	28,000	25,700	
160				25,700	24,000	22,400	160			26,900 *	25,500	23,500	22,200
170					22,200	20,700	170				23,500	21,800	20,500
180						19,100	180					20,000	18,900
190							190						17,600



# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

120' Boom							120' 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	54,000 *						55						
60	50,700 *						60	43,800 *					
65	47,800 *						65	41,200 *					
70	45,200 *						70	39,000 *					
75	42,900 *						75	36,800 *					
80	40,700 *	45,600 *					80	34,800 *					
85	38,800 *	43,200 *					85	33,000 *	37,200 *				
90	37,000 *	41,000 *					90	31,500 *	35,200 *				
95	35,200 *	39,000 *					95	29,900 *	33,500 *				
100	33,700 *	37,200 *	41,400 *				100	28,600 *	31,700 *				
110	31,000 *	33,900 *	37,400 *				110	26,200 *	28,800 *	31,900 *			
120	28,600 *	31,300 *	34,300 *				120	24,000 *	26,400 *	29,100 *			
130	26,600 *	28,800 *	31,500 *	33,500			130	22,200 *	24,200 *	26,600 *	29,300 *		
140	24,600 *	26,900 *	29,100 *	30,400			140	20,500 *	22,400 *	24,400 *	26,600 *		
150	23,300 *	25,100 *	27,100 *	27,700	26,000		150	19,100 *	20,700 *	22,700 *	24,600 *	25,500	
160		23,500 *	25,300 *	25,500	23,800		160	17,800 *	19,400 *	20,900 *	22,700 *	23,300	
170			23,800 *	23,500	21,800	20,500	170		18,000 *	19,600 *	21,100 *	21,600	20,000
180				21,800	20,200	18,700	180			18,300 *	19,600 *	19,800	18,300
190					18,700	17,400	190				18,500 *	18,300	16,900
200						16,000	200					16,900	15,600
210							210						14,300
120' Boom							120' 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
60	39,200 *												
65	36,800 *												
70	34,600 *												
75	32,600 *												
80	30,800 *												
85	29,300 *	33,000 *											
90	27,700 *	31,300 *											
95	26,400 *	29,500 *											
100	25,100 *	28,000 *											
110	22,900 *	25,300 *	28,200 *										
120	20,900 *	23,100 *	25,500 *										
130	19,100 *	21,100 *	23,300 *										
140	17,600 *	19,400 *	21,300 *	23,300 *									
150	16,300 *	17,800 *	19,600 *	21,300 *									
160	15,200 *	16,500 *	18,000 *	19,600 *	21,600 *								
170	14,100 *	15,400 *	16,700 *	18,000 *	19,800 *								
180		14,300 *	15,400 *	16,700 *	18,300 *	18,000							
190			14,500 *	15,600 *	16,900 *	16,500							
200				14,500 *	15,600 *	15,200							
210					14,700 *	13,800							
220						13,000							

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

130' Boom							130' 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	101,800 *	110,800					55	102,700 *	110,800				
60	89,300 *	100,300					60	90,100 *	100,300				
65	79,100 *	91,900					65	79,800 *	91,900				
70	70,700 *	83,700	79,300				70	71,600 *	83,700				
75	63,700 *	76,900	72,700				75	64,600 *	76,900	72,300			
80	53,300 *	70,700	67,000				80	58,600 *	70,700	66,500			
85		65,700	62,100	58,600			85	53,300 *	65,700	61,700			
90		59,500 *	57,700	54,400			90	45,200 *	61,000	57,300	54,400		
95			54,000	50,900			95		56,000 *	53,500	50,700		
100			50,700	47,800	44,900		100		50,900 *	50,200	47,600		
110				42,300	39,900		110			44,500	42,300	39,200	
120					35,700	33,500	120				37,900	35,200	
130						30,200	130					31,700	29,900
140							140						27,100

  

130' Boom							130' 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	118,000 *						40						
45	118,000 *						45	118,000 *					
50	118,000 *						50	118,000 *					
55	103,400 *						55	103,400 *					
60	90,600 *	100,100					60	90,800 *					
65	80,400 *	91,700					65	80,400 *	91,200				
70	72,100 *	83,500					70	72,100 *	83,300				
75	65,000 *	76,700					75	65,200 *	76,200				
80	59,300 *	70,500	66,300				80	59,300 *	70,300	65,900			
85	54,000 *	65,400	61,500				85	54,200 *	65,000	61,000			
90	49,600 *	60,800	57,100				90	49,800 *	60,600	56,600			
95	45,800 *	56,600 *	53,300	50,400			95	46,000 *	56,600	52,900			
100	38,800 *	51,800 *	50,000	47,400			100	42,500 *	52,000 *	49,600	46,900		
110		43,600 *	44,300	41,800			110		44,300 *	43,800	41,400		
120			39,600	37,400	34,800		120		37,900 *	39,400	37,000	34,300	
130				33,900	31,500	29,500	130			35,500	33,500	30,800	
140					28,600	26,900	140				30,400	28,000	26,400
150						24,400	150					25,500	24,000
160							160						22,000

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

130' Boom							130' 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	104,500 *						45						
50	103,800 *						50	88,500 *					
55	102,700 *						55	88,500 *					
60	92,300 *						60	84,400 *					
65	81,800 *	91,000					65	79,600 *					
70	73,400 *	83,100					70	73,200 *	82,600				
75	66,300 *	76,000					75	66,100 *	76,000				
80	60,400 *	70,100					80	60,100 *	70,100				
85	55,300 *	65,000	61,200				85	55,100 *	65,000				
90	50,900 *	60,400	56,800				90	50,700 *	60,400	56,400			
95	46,900 *	56,400	53,100				95	46,700 *	56,400	52,600			
100	43,400 *	52,400 *	49,800				100	43,400 *	52,900	49,300			
110	37,700 *	44,700 *	44,000	41,400			110	37,700 *	45,400 *	43,600	41,200		
120		38,800 *	39,400	37,000			120	32,800 *	39,400 *	39,200	36,800		
130		33,200 *	35,700	33,200	31,000		130		34,300 *	35,200	33,200	30,600	
140			32,600	30,400	28,200		140		29,700 *	32,100	30,200	27,700	
150				27,700	25,700	24,000	150			29,300	27,500	25,300	23,800
160					23,800	22,000	160				25,300	23,100	21,800
170						20,200	170					21,300	20,000
180							180						18,500

  

130' Boom							130' 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	77,600 *						50						
55	74,500 *						55	64,800 *					
60	70,100 *						60	61,500 *					
65	66,100 *						65	57,900 *					
70	62,600 *						70	54,600 *					
75	59,300 *	67,400 *					75	51,800 *	56,600 *				
80	56,400 *	63,700 *					80	49,100 *	53,800 *				
85	53,800 *	60,400 *					85	46,700 *	50,900 *				
90	51,300 *	57,300 *					90	44,500 *	48,500 *				
95	47,600 *	54,600 *	52,900				95	42,500 *	46,000 *				
100	44,000 *	52,200 *	49,300				100	40,700 *	44,000 *	49,100			
110	38,300 *	45,400 *	43,800				110	37,400 *	40,300 *	43,400			
120	33,500 *	39,200 *	39,200	36,600			120	33,200 *	37,200 *	38,800	36,600		
130	29,500 *	34,300 *	35,500	33,000			130	29,300 *	34,600 *	35,000	32,800		
140		30,400 *	32,100	29,900	27,700		140	26,000 *	30,800 *	31,700	29,900	27,300	
150		26,400 *	29,300	27,300	25,300		150		27,500 *	29,100	27,300	24,900	
160			27,100	25,100	23,100	21,300	160			26,600	25,100	22,700	21,300
170				23,100	21,300	19,600	170			24,400 *	23,100	20,900	19,600
180					19,800	18,300	180				21,300	19,400	18,000
190						16,700	190					17,800	16,500
200							200						15,200

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

130' Boom							130' 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	54,200 *						55						
60	50,900 *						60	44,000 *					
65	48,000 *						65	41,400 *					
70	45,400 *						70	39,000 *					
75	42,900 *						75	37,000 *					
80	40,700 *	46,300 *					80	35,000 *					
85	38,800 *	43,800 *					85	33,200 *	37,700 *				
90	37,000 *	41,600 *					90	31,500 *	35,700 *				
95	35,200 *	39,400 *					95	29,900 *	33,700 *				
100	33,700 *	37,700 *					100	28,600 *	32,100 *				
110	31,000 *	34,300 *	38,100 *				110	26,200 *	29,100 *	32,600 *			
120	28,600 *	31,500 *	34,800 *				120	24,000 *	26,600 *	29,500 *			
130	26,600 *	29,100 *	31,900 *	32,800			130	22,200 *	24,400 *	27,100 *	29,900 *		
140	24,900 *	27,100 *	29,500 *	29,700			140	20,500 *	22,400 *	24,900 *	27,300 *		
150	23,300 *	25,100 *	27,300 *	27,100	25,100		150	19,100 *	20,900 *	22,900 *	25,100 *		
160		23,500 *	25,500 *	24,900	22,900		160	17,800 *	19,400 *	21,100 *	23,100 *	22,400	
170			24,000 *	22,900	21,100	19,400	170		18,300 *	19,800 *	21,600 *	20,700	
180			22,400 *	21,100	19,600	17,800	180			18,500 *	20,000 *	19,100	17,400
190				19,600	18,000	16,500	190			17,400 *	18,700 *	17,600	15,800
200					16,700	15,200	200				17,600 *	16,300	14,500
210						13,800	210					15,200	13,400
220							220						12,300

  

130' Boom							130' 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
60	39,400 *												
65	37,000 *												
70	34,800 *												
75	32,800 *												
80	31,000 *												
85	29,300 *	33,500 *											
90	27,700 *	31,500 *											
95	26,400 *	29,900 *											
100	25,100 *	28,400 *											
110	22,900 *	25,500 *	28,800 *										
120	20,900 *	23,300 *	26,000 *										
130	19,100 *	21,300 *	23,800 *										
140	17,600 *	19,600 *	21,600 *	24,000 *									
150	16,300 *	18,000 *	19,800 *	22,000 *									
160	15,200 *	16,700 *	18,300 *	20,000 *	22,200 *								
170	14,100 *	15,400 *	16,900 *	18,500 *	20,200 *								
180		14,300 *	15,600 *	17,100 *	18,700	16,900							
190			14,500 *	15,800 *	17,400	15,400							
200			13,600 *	14,700 *	16,000	14,100							
210				13,800 *	14,700	13,000							
220					13,600	11,900							
230						11,000							

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

140' Boom							140' 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	102,700 *	110,200					55	103,600 *	110,200				
60	89,900 *	100,100					60	90,800 *	100,000				
65	79,600 *	91,700					65	80,400 *	91,500				
70	71,200 *	83,500	78,200				70	72,100 *	83,300				
75	63,900 *	76,700	71,600				75	64,800 *	76,200	71,200			
80	54,200 *	70,700	66,100				80	58,800 *	70,300	65,700			
85		65,400	61,200				85	53,500 *	65,200	60,800			
90		60,800	56,800	53,500			90	45,800 *	60,600	56,600			
95			53,100	50,000			95		56,600	52,900	49,600		
100			49,800	46,900			100		52,200 *	49,600	46,500		
110				41,600	38,500		110			43,800	41,200	38,100	
120					34,300	32,400	120				37,000	33,900	
130						29,100	130					30,600	28,600
140						26,400	140						26,000
150							150						23,800

  

140' Boom							140' 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	118,000 *						40						
45	118,000 *						45	114,700 *					
50	118,000 *						50	114,000 *					
55	104,200 *						55	104,500 *					
60	91,200 *	100,900					60	91,500 *					
65	80,900 *	91,200					65	81,100 *	90,600				
70	72,500 *	83,100					70	72,500 *	82,600				
75	65,400 *	76,000					75	65,400 *	75,600				
80	59,500 *	70,100	65,200				80	59,500 *	69,600				
85	54,200 *	65,000	60,600				85	54,400 *	64,600	59,900			
90	49,800 *	60,400	56,200				90	50,000 *	60,100	55,700			
95	45,800 *	56,400	52,400				95	46,000 *	56,200	52,000			
100	39,400 *	52,900 *	49,100	46,300			100	42,700 *	52,600	48,700			
110		44,700 *	43,600	41,000			110	34,100 *	45,200 *	43,200	40,500		
120			39,000	36,600	33,700		120		38,800 *	38,800	36,100		
130				33,000	30,400		130			35,000	32,600	29,700	
140					27,500	25,500	140				29,700	27,100	25,100
150						23,300	150					24,600	22,900
160							160						20,900

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

140' Boom							140' 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	88,500 *					
50	88,500 *						50	88,500 *					
55	88,500 *						55	87,500 *					
60	88,500 *						60	84,600 *					
65	82,400 *						65	79,800 *					
70	73,800 *	82,200					70	73,600 *	82,200				
75	66,800 *	76,000					75	66,500 *	75,600				
80	60,600 *	70,100					80	60,600 *	69,600				
85	55,500 *	64,800					85	55,300 *	64,600				
90	51,100 *	60,400	56,000				90	50,900 *	59,900				
95	47,100 *	56,400	52,200				95	46,900 *	56,200	51,800			
100	43,600 *	52,900	49,100				100	43,600 *	52,600	48,700			
110	37,700 *	46,300 *	43,400	40,700			110	37,700 *	46,300 *	42,900			
120		40,100 *	39,000	36,300			120	33,000 *	39,900 *	38,500	35,900		
130		34,800 *	35,000	32,800	29,900		130		34,800 *	34,800	32,400		
140			31,900	29,900	27,300		140		30,600 *	31,500	29,500	26,600	
150				27,300	24,900	23,100	150			28,800	26,900	24,400	
160					22,700	21,100	160				24,600	22,200	20,700
170						19,400	170					20,500	18,900
180							180						17,400

  

140' Boom							140' 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	76,500 *						50						
55	74,700 *						55	64,800 *					
60	70,300 *						60	61,700 *					
65	66,300 *						65	57,900 *					
70	62,600 *						70	54,900 *					
75	59,500 *	68,300 *					75	51,800 *					
80	56,400 *	64,600 *					80	49,100 *	54,400 *				
85	53,800 *	61,000 *					85	46,700 *	51,500 *				
90	51,300 *	57,900 *					90	44,500 *	48,900 *				
95	47,800 *	55,300 *	52,000				95	42,500 *	46,700 *				
100	44,300 *	52,200 *	48,700				100	40,700 *	44,500 *	48,200			
110	38,300 *	46,000 *	43,200				110	37,400 *	40,700 *	42,700			
120	33,700 *	39,900 *	38,500	35,700			120	33,500 *	37,400 *	38,100			
130	29,700 *	34,800 *	34,800	32,100			130	29,500 *	34,800 *	34,300	32,100		
140		30,800 *	31,500	29,100	26,900		140	26,200 *	31,300 *	31,300	29,100		
150		27,100 *	28,800	26,600	24,400		150		27,700 *	28,400	26,400	24,000	
160			26,400	24,400	22,200	20,200	160		24,600 *	26,200	24,200	21,800	
170				22,400	20,500	18,500	170			24,000	22,400	20,000	18,300
180					18,900	16,900	180				20,700	18,500	16,700
190						15,600	190					17,100	15,400
200							200						14,100

# STERLING CRANE

## CK2500-II Luffing Jib Rating Loads in Pounds

15 Counterweights + 2 Low Weights

140' Boom							140' 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	54,400 *						55						
60	51,100 *						60	44,300 *					
65	48,200 *						65	41,600 *					
70	45,600 *						70	39,200 *					
75	43,200 *						75	37,000 *					
80	41,000 *	46,900 *					80	35,000 *					
85	39,000 *	44,300 *					85	33,200 *	38,100 *				
90	37,000 *	42,100 *					90	31,700 *	36,100 *				
95	35,500 *	39,900 *					95	30,200 *	34,100 *				
100	33,900 *	38,100 *					100	28,600 *	32,400 *				
110	31,000 *	34,600 *	39,000 *				110	26,200 *	29,500 *	33,200 *			
120	28,600 *	31,700 *	35,500 *				120	24,000 *	26,900 *	30,200 *			
130	26,600 *	29,300 *	32,600 *	31,900			130	22,200 *	24,600 *	27,500 *			
140	24,900 *	27,300 *	29,900 *	28,800			140	20,500 *	22,700 *	25,300 *	28,200 *		
150	23,300 *	25,300 *	27,700 *	26,400	24,200		150	19,100 *	21,100 *	23,300 *	25,700 *		
160		23,800 *	26,000 *	24,200	22,000		160	17,800 *	19,600 *	21,600 *	23,800	21,600	
170		22,200 *	24,200	22,200	20,200		170		18,300 *	20,000 *	21,800	19,800	
180			22,400	20,500	18,700	16,500	180		17,100 *	18,700 *	20,200	18,300	16,000
190				19,100	17,400	15,200	190			17,600 *	18,700	16,900	14,500
200					16,000	13,800	200				17,400	15,400	13,200
210						12,700	210					14,300	12,100
220							220						11,200

  

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