



LOAD LINE SPECIFICATIONS 4000W

TOWER CRANE — TOWER NO. 22 WITH BOOM NO. 23

BOOM OR BOOM AND JIB LENGTH		163 FEET/49.7M TOWER LENGTH				213 FEET/64.9M TOWER LENGTH			
		1 PART		2 PART		1 PART		2 PART	
FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS
110	33.5	575	175	850	259	675	206	1000	305
120	36.6	595	181	880	268	695	212	1030	314
130	39.6	615	187	910	277	715	218	1060	323
140	42.7	635	194	940	287	735	224	1090	332
150	45.7	655	200	970	296	755	230	1120	341
160	48.8	675	206	---	---	775	236	---	---
170	51.8	695	212	---	---	795	242	---	---
180	54.9	715	218	---	---	815	248	---	---
190	57.9	735	224	---	---	835	255	---	---
200	61.0	755	230	---	---	855	261	---	---
210	64.0	775	236	---	---	875	267	---	---
220	67.1	---	---	---	---	905	276	---	---

Wire rope lengths are given for 163 ft. (49.7m) tower and 213 ft. (64.9m) tower; deduct 10' (3.0m) + (10 ft. (3.0m) × parts of line) for each 10' (3.0m) reduction in tower height.

WIRE ROPE LENGTH FOR INTERMEDIATE FALL

TOWER LENGTH		BOOM LENGTH — FEET/M			
		110-150/33.5-45.7		160/48.8	
		1 PART		1 PART	
FEET	METERS	FEET	METERS	FEET	METERS
123	37.5	410	125	430	131
133	40.5	430	131	450	137
143	43.6	450	137	470	143
153	46.6	470	143	490	149
163	49.7	490	149	510	155
173	52.7	510	155	530	162
183	55.8	530	162	550	168
193	58.8	550	168	570	174
203	61.9	570	174	590	180
213	64.9	590	180	610	186

LOAD LINE: 1-1/8" (28.6mm) — 6 × 31 Warrington-Seale, improved plow steel, regular lay, IWRC. Minimum breaking strength 113,000 lb. (51,250kg). Maximum Load = 28,300 lb./line (12,830kg). (Approx. Weight Per Ft. in Lbs. 2.34 (3.48kg/m).)

WHIP LINE: 1" (25.4mm) — 6 × 25 filler wire, improved plow steel, regular lay, IWRC. Minimum breaking strength 89,800 lb. (40,730kg). Maximum load on intermediate fall = 15,000 lb. (6,800kg). Maximum load on jib = 20,000 lb. (9,070kg). (Approx. Weight Per Ft. in Lbs. 1.85 (2.75kg/m).)

(Intermediate fall
And Jib)

Refer to drum and lagging chart No. 4865.