

LOAD LINE SPECIFICATIONS 4600 SERIES-4

TOWER CRANE — TOWER NO. 27B AND BOOM NO. 22B WITH LIGHT TAPERED TOP

BOOM LENGTH		194 FT./59.1M TOWER LENGTH											
		1 PART		2 PART		3 PART		4 PART		5 PART		6 PART	
FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS
100	30.5	830	253	1125	343	1420	433	1715	523	2010	613	2305	703
110	33.5	850	259	1155	352	1460	445	1765	538	2070	631	2375	724
120	36.6	870	265	1185	361	1500	457	1815	553	2130	649	2445	745
130	39.6	890	271	1215	370	1540	469	1865	568	2190	668		
140	42.7	910	277	1245	379	1580	482	1915	584				
150	45.7	930	283	1275	389	1620	494	1965	599				
160	48.8	950	290	1305	398	1660	506	2015	614				
170	51.8	970	296	1335	407	1700	518						
180	54.9	990	302	1365	416	1740	530						

BOOM OR BOOM AND JIB LENGTH		254 FT./77.4M TOWER LENGTH							
		1 PART		2 PART		3 PART		4 PART	
FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS
100	30.5	950	290	1305	398	1660	506	2015	614
110	33.5	970	296	1335	407	1700	518		
120	36.6	990	302	1365	416	1740	530		
130	39.6	1010	308	1395	425	1780	543		
140	42.7	1030	314	1425	434	1820	555		
150	45.7	1050	320	1455	443	1860	567		
160	48.8	1070	326	1485	453				
170	51.8	1090	332	1515	462				
180	54.9	1110	338	1545	471				
190	57.9	1130	344	1575	480				
200	61.0	1150	351	1605	489				
210	64.0	1170	357	1635	498				
220	67.1	1190	363	1665	507				
230	70.1	1210	369	1695	517				
240	73.2	1230	375						
250	76.2	1250	381						
260	79.2	1270	387						

Wire Rope Lengths Are Given For 194' (59.1m) Tower and 254' (77.4m) Tower; Deduct 10' (3.0m) + (10' (3.0m) x Parts Of Line) For Each 10' (3.0m) Reduction In Tower Height.

HOIST REEVING FOR MAIN LOAD BLOCK						
No. Parts of Line	1	2	3	4	5	6
Maximum Load — Lbs.	40,000	80,000	120,000	160,000	200,000	240,000
Maximum Load — Kg.	18,140	36,280	54,430	72,570	90,710	108,860

LOAD LINE: 1¼" (31.8mm) — 6 x 31 Warrington-Seale, Extra Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 159,800 lbs. (72,480 kg.). Approx. Weight Per Ft. in lbs. 2.89 (4.30 kg./m).

WHIP LINE: 1¼" (31.8mm) — 6 x 31 Warrington-Seale, Extra Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 159,800 lbs. (72,480 kg.). Maximum Load = 40,000 lbs./Line (18,140 kg.). Approx. Weight Per Ft. in lbs. 2.89 (4.30 kg./m).

WHIP LINE: 1½" (28.6mm) — 6 x 31 Warrington-Seale, Extra Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 130,000 lbs. (58,960 kg.). Maximum Load = 32,500 lbs./Line (14,740 kg.). Approx. Weight Per Ft. in lbs. 2.34 (3.50 kg./m).

REFER TO DRUM AND LAGGING CHART NO. 6108.