

WIRE ROPE SPECIFICATIONS

M-250
**LIFTCRANE - BOOM NO. 44 WITH HEAVY LIFT TOP
PEDESTAL MOUNT**

WIRE ROPE LENGTHS									
BOOM LENGTH		WHIP LINE LEFT REAR OR FRONT DRUM				HOIST LINE RIGHT REAR DRUM		MAXIMUM REQUIRED PARTS OF LINE	
		1 PART		2 PART					
FT.	METERS	FT.	METERS	FT.	METERS	FT.	METERS		
70	21.3	190	58	275	84	1450	442		18
80	24.4	210	64	300	91	1625	495		18
90	27.4	230	70	325	99	1725	526		17
100	30.5	250	76	350	107	1800	549		16
110	33.5	270	82	375	114	1800	549		13
120	36.6	290	88	425	130	1800	549		13
130	39.6	310	94	450	137	1800	549		12
140	42.7	330	101	475	145	2000	610		12
150	45.7	350	107	500	152	2000	610		11
160	48.8	370	113	525	160	2000	610		10
170	51.8	390	119	575	175	2000	610		10
180	54.9	410	125	600	183	2050	625		10
190	57.9	430	131	625	191	2050	625		9
200	61.0	450	137	650	198	2050	625		8
210	64.0	470	143	675	206	2050	625		8
220	67.1	490	149	725	221	2050	625		8
230	70.1	510	155	750	229	2050	625		7
240	73.2	530	162	775	236	2050	625		7
250	76.2	550	168	800	244	2050	625		6
260	79.2	570	174	825	251	2050	625		6

NOTE: HOIST LINE AND WHIP LINE LENGTHS GIVEN IN TABLE WILL ALLOW BLOCK TRAVEL DOWN TO LEVEL OF TURNTABLE BEARING. WHEN BLOCK TRAVEL BELOW TURNTABLE BEARING IS REQUIRED, ADD ADDITIONAL ROPE EQUAL TO PARTS OF LINE TIMES ADDED TRAVEL DISTANCE. HOISTING DISTANCE OR LINE PULL MAY BE LIMITED WHEN BLOCK TRAVEL BELOW TURNTABLE BEARING IS REQUIRED.

HOIST REEVING FOR MAIN LOAD BLOCK						
NO. PARTS OF LINE	1	2	3	4	5	6
MAXIMUM LOAD-LBS.	30,000	60,000	90,000	120,000	150,000	180,000
MAXIMUM LOAD-kg	13 610	27 220	40 820	54 430	68 040	81 650
NO. PARTS OF LINE	7	8	9	10	11	12
MAXIMUM LOAD-LBS.	210,000	240,000	270,000	300,000	330,000	360,000
MAXIMUM LOAD-kg	95 250	108 860	122 470	136 080	149 690	163 290
NO. PARTS OF LINE	13	14	15	16	17	18
MAXIMUM LOAD-LBS.	390,000	420,000	450,000	480,000	510,000	551,200
MAXIMUM LOAD-kg	176 900	190 510	204 120	217 720	231 330	250 000

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HOIST LINE: 1-1/8" (28.6 mm) - BRIDON DYFORM - 34LR - 1 960 N/mm ² WIRE ROPE	MINIMUM BREAKING STRENGTH 154,900 LBS. (70 260 kg)
	MCC PART NO. 719375
	APPROX. WEIGHT = 2.70 LBS. PER FT. (4.02 kg/m)
OR	
29 mm (1-1/8") - CASAR EUROLIFT - 1 770 N/mm ² WIRE ROPE	MINIMUM BREAKING STRENGTH 154,700 LBS. (70 170 kg)
	MCC PART NO. 719374
	APPROX. WEIGHT = 2.85 LBS. PER FT. (4.25 kg/m)
WHIP LINE: 1-1/8" (28.6 mm) - BRIDON DYFORM - 34LR - 1 960 N/mm ² WIRE ROPE	MINIMUM BREAKING STRENGTH 154,900 LBS. (70 260 kg)
	MAXIMUM LOAD = 30,000 LBS. (13 610 kg) PER LINE
	MCC PART NO. 719375
	APPROX. WEIGHT = 2.70 LBS. PER FT. (4.02 kg/m)
OR	
29 mm (1-1/8") - CASAR EUROLIFT - 1 770 N/mm ² WIRE ROPE	MINIMUM BREAKING STRENGTH 154,700 LBS. (70 170 kg)
	MAXIMUM LOAD = 30,000 LBS. (13 610 kg) PER LINE
	MCC PART NO. 719374
	APPROX. WEIGHT = 2.85 LBS. PER FT. (4.25 kg/m)
RIGGING WINCH LINE: 3/8" (9.5 mm) - 6 X 19 FILLER WIRE, IMPROVED PLOW STEEL,	REGULAR LAY, IWRC. MCC PART NO. 719019
	MINIMUM BREAKING STRENGTH 13,100 LBS. (5 940 kg)
	RECOMMENDED LENGTH = 800' (244m)

MAXIMUM SPOOLING CAPACITIES	
RIGHT REAR DRUM: (HOIST LINE)	1-1/8" (28.6 mm) WIRE ROPE - 8 LAYERS - 2,411' (735m) 2,566' (782m) WITH 24-1/2" (622 mm) DIA. LAGGING
	29 mm (1-1/8") WIRE ROPE - 8 LAYERS - 2,394' (730m) 2,546' (776m) WITH 24-1/2" (622 mm) DIA. LAGGING
LEFT REAR DRUM: (WHIP LINE)	1-1/8" (28.6 mm) WIRE ROPE - 9 LAYERS - 1,173' (358m) 8 LAYERS - 1,068' (326m) WITH 24-1/2" (622 mm) DIA. LAGGING
	29 mm (1-1/8") WIRE ROPE - 9 LAYERS - 1,164' (355m) 8 LAYERS - 1,060' (323m) WITH 24-1/2" (622 mm) DIA. LAGGING
FRONT DRUM: (HOIST LINE)	1-1/8" (28.6 mm) WIRE ROPE - 8 LAYERS - 2,028' (618m) 2,158' (658m) WITH 24-1/2" (622 mm) DIA. LAGGING
	29 mm (1-1/8") WIRE ROPE - 8 LAYERS - 2,013' (614m) 2,141' (653m) WITH 24-1/2" (622 mm) DIA. LAGGING
20' (6m) IS DEDUCTED FROM MAXIMUM SPOOLING CAPACITIES FOR 3 DEAD WRAPS PER DRUM OR LAGGING.	

REFER TO DRUM AND LAGGING CHART NO. 6118-A.