

TECHNICAL TIPS

CRANES

Type of Tip:

HC110 Main & Jib Rope Charts

Necessary Tools:

None Required

Applicable Models:

HC110

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Basic Safety Rules



Danger

Failure to follow the instructions and safety rules in the Operator's Manual and Service Manual appropriate to your machine will result in death or serious injury. Many of the risks identified in the operator's manual are also safety risks when maintenance and repair procedures are performed.

Do not perform maintenance unless:

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
 - The manufacturer's instructions and safety rules
 - Employer safety rules and workplace regulations
 - Applicable government regulations

- You have the appropriate tools, lifting equipment and a suitable location.

The information contained in this technical tip is a supplement to the service manual. Consult the appropriate service manual for your machine for safety rules and risks.

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HC110 Boom Main & Jib Rope Charts

TOTAL OF BOOM & JIB LENGTH	PARTS OF LINE AND CORRESPONDING ROPE LENGTHS (FEET)							
	1	2	3	4	5	6	7	8
50	122	178	234	290	346	402	458	514
60	142	208	274	340	406	472	538	
70	162	238	314	390	466	542		
80	182	268	354	440	526			
90	202	298	394	490				
100	222	328	434	540				
110	242	358	474	590				
120	262	388	514					
130	282	418	554					
140	302	448						
150	322	478						
160	342	508						
170	362	538						
180	382	568						
190	402	598						
200	422							
210	442							
220	462							
230	482							
240	502							
250	522							
260	542							
270	562							

MAIN HOIST LOAD LINE (8 PARTS MAXIMUM)

1" EIPS, RRL, IWRC, 103,400 LBS. (46,902kg) Minimum Breaking Strength

MAX. LIFTING CAPACITY	NUMBER PARTS OF LOAD HOIST							
	1	2	3	4	5	6	7	8
	29,540	59,080	88,620	118,160	147,700	177,240	206,780	220,000

The rope lengths calculated for load lines allow working at ground level with the boom at its minimum radius. For rope length adjustments when working at a different level, multiply the parts of line used times the difference in level from the ground. [8 parts of line x 10' (3.05m) below ground level = 80' (24.38m) extra added.] Add this adjustment for below ground level work, or subtract it for above ground level work.

JIB WHIP LINE

7/8" EIPS, RRL, IWRC, 79,600 LBS. Minimum Breaking Strength