



Link-Belt®

CONSTRUCTION EQUIPMENT

HC – 278H

CRANE RATING MANUAL

- 68" x 80" TUBULAR BOOM
- 15' HAMMERHEAD PEAK SECTION
- 1.25" DIAMETER PENDANTS
- WITH LIVE MAST
- LBCE 288" TRUCK CARRIER

SERIAL NUMBER _____

051597

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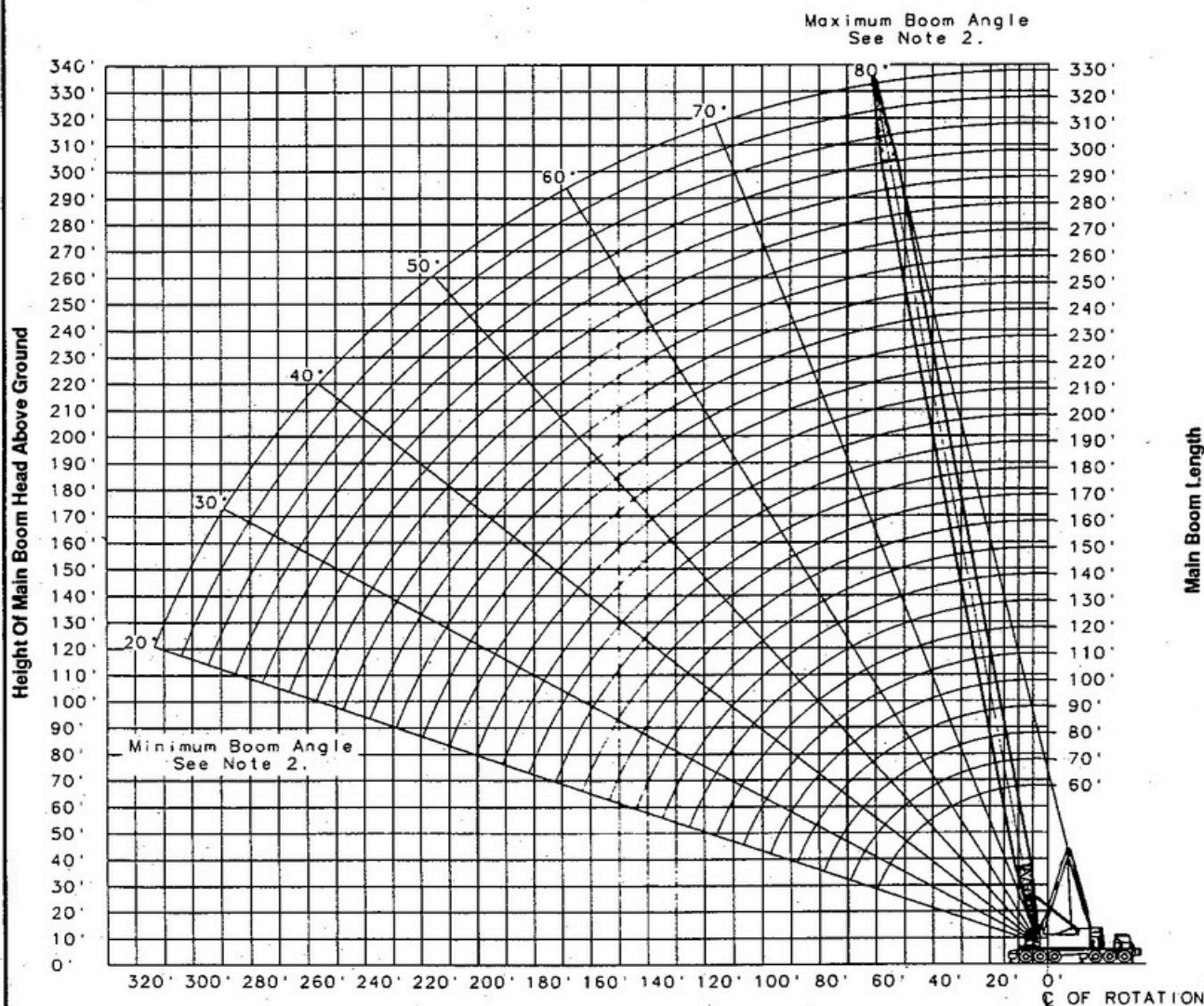
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WORKING RANGE DIAGRAM

(60' TO 330') MAIN BOOM ON OUTRIGGERS



Notes:

1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity chart for each boom length.

Working Range Diagram



CAPACITY DEDUCTIONS FOR LIFTING OFF MAIN BOOM HOOK WITH JIB INSTALLED

When using main boom hook while jib is attached, reduce boom capacities by the values in the following chart:

Jib Length	Capacity Deduction
30'	2,600
50'	3,400
70'	4,200
90'	5,000
100'	5,800

**WARNING**

READ AND UNDERSTAND THE OPERATOR'S AND SAFETY MANUAL AND THE FOLLOWING INSTRUCTIONS AND CHART VALUES BEFORE OPERATING THE CRANE. OPERATION WHICH DOES NOT FOLLOW THESE INSTRUCTIONS MAY RESULT IN AN ACCIDENT.

OPERATING INSTRUCTIONS**GENERAL:**

1. Rated lifting capacities as shown on lift chart pertain to this crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company (LBCE). Modifications to the crane or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this crane must be in compliance with the information in the Operator's, Parts and Safety manuals supplied with this crane. If the manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with this crane shall fully acquaint themselves with the latest applicable American National Standards Institute (ANSI) safety standards for cranes.
4. All capacities listed in this book are in compliance with SAE J987—April 1994 (Crane Structures—Method Of Test) and SAE J765a—October 1990 (Crane Load Stability Test).

Lifting Crane Operation:

1. Capacities shown are not more than 85% of the tipping loads on outriggers and 75% of the tipping loads on tires with crane standing level on firm supporting surface. A deduction must be made from these capacities for weight of hook block, hook ball, sling, grapple, load weighing devices, etc. When using main hook while auxiliary lifting sheave is attached, reduce capacities by values shown on chart "Capacity Deductions For Lifting Off Main Boom Hook With Auxiliary Lifting Sheave Installed." See Operator's Manual for all limitations when raising or lowering attachment.
2. The crane capacities in the shaded areas are based on structural strength or hydraulic limitations. The crane capacities below the bold lines are based on stability ratings. Some capacities are limited by a maximum obtainable 82° boom angle.
3. For recommended reeving, parts of line, wire rope type and wire rope inspection, see Wire Rope Capacity Chart, Parts Manual and Operator's Manual.
4. The maximum outrigger pontoon reaction seen under any condition listed in this Crane Rating Manual is 285,000 lb (314 psi).
5. "On outrigger" capacities require that all four outrigger beams be fully extended, all five jacks be extended until all tires are clear of the ground and crane be properly leveled on a firm supporting surface.
6. The least stable rated condition is over the side.
7. "0+0" counterweight indicates no upper or bumper counterweight on the crane.
8. "A+0" counterweight indicates 30,000 lb "A" upper counterweight with no bumper counterweight.
9. "AB+0" counterweight indicates 55,200 lb "AB" upper counterweight with no bumper counterweight.
10. "ABCD+0" counterweight indicates 98,200 lb "ABCD" upper counterweight with no bumper counterweight.
11. "ABCD+A" counterweight indicates 98,200 lb "ABCD" upper counterweight and 11,400 lb "A" bumper counterweight.
12. "ABCD+AB" counterweight indicates 98,200 lb "ABCD" upper counterweight and 26,700 lb "AB" bumper counterweight.
13. Maximum boom length on outriggers with "0+0" counterweight is 195' and booms longer than 175' must be raised and lowered over the rear.
14. Maximum boom length on outriggers with "A+0" counterweight is 235' and booms longer than 215' must be raised and lowered over the rear.
15. Maximum boom length on outriggers with "AB+0" counterweight is 245'.
16. Maximum boom length on outriggers with "ABCD+0" counterweight is 245'.
17. Maximum boom length on outriggers with "ABCD+A" counterweight is 245'.
18. Maximum boom length on outriggers with "ABCD+AB" counterweight is 245'.
19. Do not lift or suspend a load from the main boom and auxiliary lifting sheave at the same time.
20. Do not swing over side until all four outrigger beams are fully extended, all five jacks are extended until all tires are clear of the ground and crane is properly leveled on a firm supporting surface.



21. On tire capacities are restricted to a maximum travel speed of 1 mph. The boom must be centered straight over the rear with swing lock engaged and the load must be restrained from swinging.
22. Load ratings shown on chart are based on freely suspended loads and make no allowance for such factors as the effect of wind, ground conditions and operating speeds. Therefore the operator shall reduce load ratings in order to take these conditions into account.
23. The minimum boom allowed is 45 ft, and the maximum allowed is 245 ft.
24. Minimum boom consists of a 30 ft base section, 10 ft transition section, and a 5 ft hammerhead top section.
25. The first 40 ft of straight extensions must be "J" Wall (.375" Wall). All remaining extensions must be "H" Wall (.259" Wall).
26. Midpoint suspension pendants and/or boom peak spreader bars are not required.

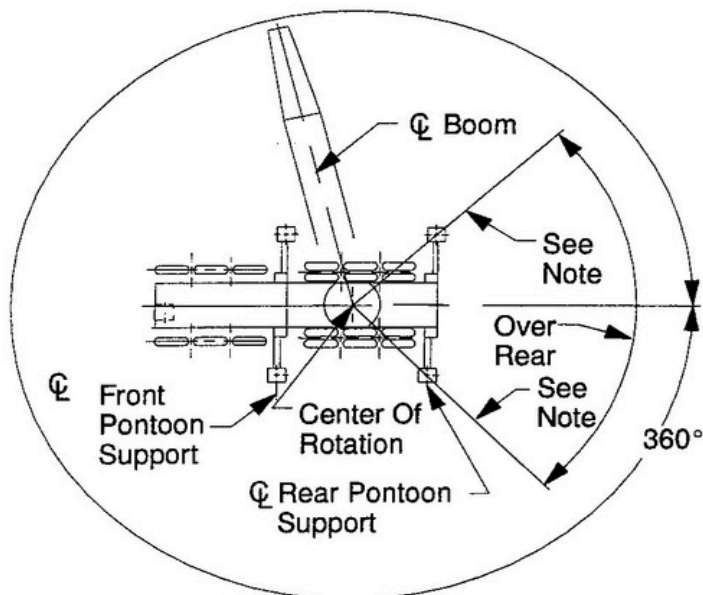


WIRE ROPE CAPACITY

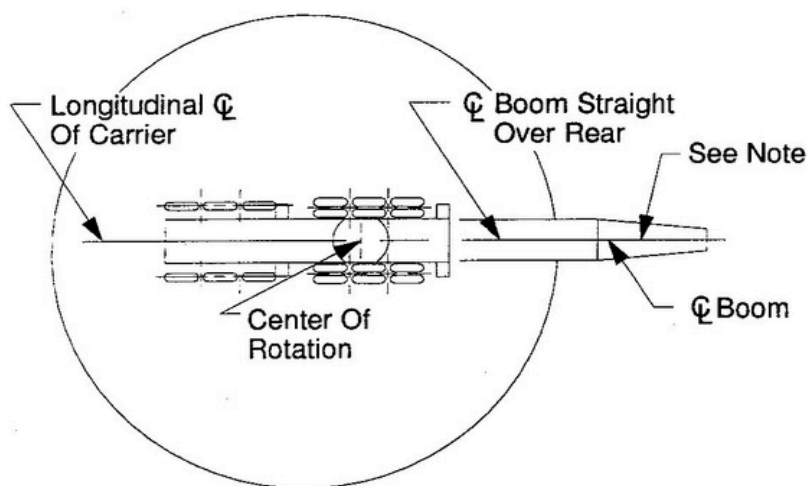
Parts of Line	1"				1-1/8"				(28.5 mm)
	Type N	Type P	Type LB	Type RB	Type N	Type P	Type LB	Type RB	Type SB
1	29,500	16,800	13,000	22,700*	37,100	21,200	40,800	28,600*	52,400
2	59,000	33,600	26,000	45,400	74,200	42,400	81,600	57,200	104,800
3	88,500	50,400	39,000	68,100	111,300	63,600	122,400	85,800	157,200
4	118,000	67,200	52,000	90,800	148,400	84,800	163,200	114,400	209,600
5	147,500	84,000	65,000	113,500	185,500	106,000	204,000	143,000	262,000
6	177,000	100,800	78,000	136,200	222,600	127,200	244,800	171,600	314,400
7	206,500	117,600	91,000	158,900	259,700	148,400	285,600	200,200	366,800
8	236,000	134,400	104,000	181,600	296,800	169,600	326,400	228,800	419,200
9	265,500	151,200	117,000	204,300	333,900	190,800	367,200	257,400	471,600
10	295,000	168,000	130,000	227,000	371,000	212,000	408,000	286,000	524,000
11	324,500	184,800	143,000	249,700	408,100	233,200	448,800	314,600	576,400
12	354,000	201,600	156,000	272,400	445,200	254,400	489,600	343,200	628,800
13	383,500	218,400	169,000	295,100	482,300	275,600	530,400	371,800	681,200
14	413,000	235,200	182,000	317,800	519,400	296,800	571,200	400,400	733,600
LBCE Type		Description							
N		6 X 25 (6X19 Class) – Filler Wire – Extra Improved Plow Steel – Preformed – I.W.R.C. – Right Lay – Regular Lay							
P		19 X 7 Rotation Resistant – Extra Improved Plow Steel – Preformed – Wire Center Core							
LB		6 X 25 (6 X 19 Class – Filler Wire – Preformed – I.W.R.C. – Right Lay – Regular Lay – Compacted Strands							
RB		19 X 19 Rotation Resistant – Extra, Extra Improved Plow Steel – Preformed Right Lay – Regular Lay. Swaged							
SB		8 Strand Rope – Parallel Lay Construction – Compacted Strand – Right Lay – Regular Lay							
* Use of swivel end with one part of line is not recommended.									
Notes:									
1. Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in this Crane Rating Manual.									
2. Study Operator's Manual for wire rope inspection procedures.									



WORKING AREAS



Carrier On Outriggers



Carrier On Tires

Note: These Lines Determine The Limiting Position Of Any Load For Operation Within Working Areas Indicated.

Working Areas Chart

ALLOWABLE COUNTERWEIGHTS

COUNTERWEIGHT COMBINATIONS ^① UPPER + BUMPER	ALLOWABLE HAMMERHEAD BOOM LENGTHS
	W/O JIB
0+0 On Outriggers	45 – 195
A+0 On Outriggers ^②	45 – 235
AB+0 On Outriggers ^②	45 – 245
ABCD+0 On Outriggers ^②	45 – 245
ABCD+A On Outriggers ^②	95 – 245
ABCD+AB On Outriggers ^②	135 – 245

^① Counterweight combinations are for a crane equipped with a 200 ton hammerhead boom. Counterweight combinations must be used only as shown on this chart, otherwise crane may overturn or other damage may occur.

"A" Upper Counterweight – 30,000 lb
 "AB" Upper Counterweight – 55,200 lb
 "ABC" Upper Counterweight – 76,700 lb
 "ABCD" Upper Counterweight – 98,200 lb
 "A" Bumper Counterweight – 11,400 lb
 "AB" Bumper Counterweight – 26,700 lb

^② Do not swing over the side with upper counterweights installed until outrigger beams are fully extended and outrigger jacks properly set, or crane may overturn.



LIFTOFF CAPABILITIES ON OUTRIGGERS*		
Counterweight	Maximum Boom Over Side	Maximum Boom Over Rear
upper+bumper	ft.	ft.
0+0	175	195
A+0	215	235
AB+0	245	245
ABCD+0	245	245
ABCD+A	245	245
ABCD+AB	245	245

*NOTES: 1. 95% of available crane stability.
2. Crane on firm and level surface.

LIFTOFF CAPABILITIES ON TIRES OVER THE REAR*	
Counterweight	Boom ft.
upper+bumper	
0+0	105
A+0	135
AB+0	165
ABCD+0	205
ABCD+A	205
ABCD+AB	205

*NOTES: 1. 95% of available crane stability.
2. Crane on firm and level surface.



LIVE MAST LIFTING CAPACITIES

MAST RADIUS	CAPACITY (NO COUNTERWEIGHT)	
	ON TIRES	ON OUTRIGGERS
12' – 17'	55,000 lb	76,500 lb
17' – 28'	30,000 lb	76,500 lb



CAUTION

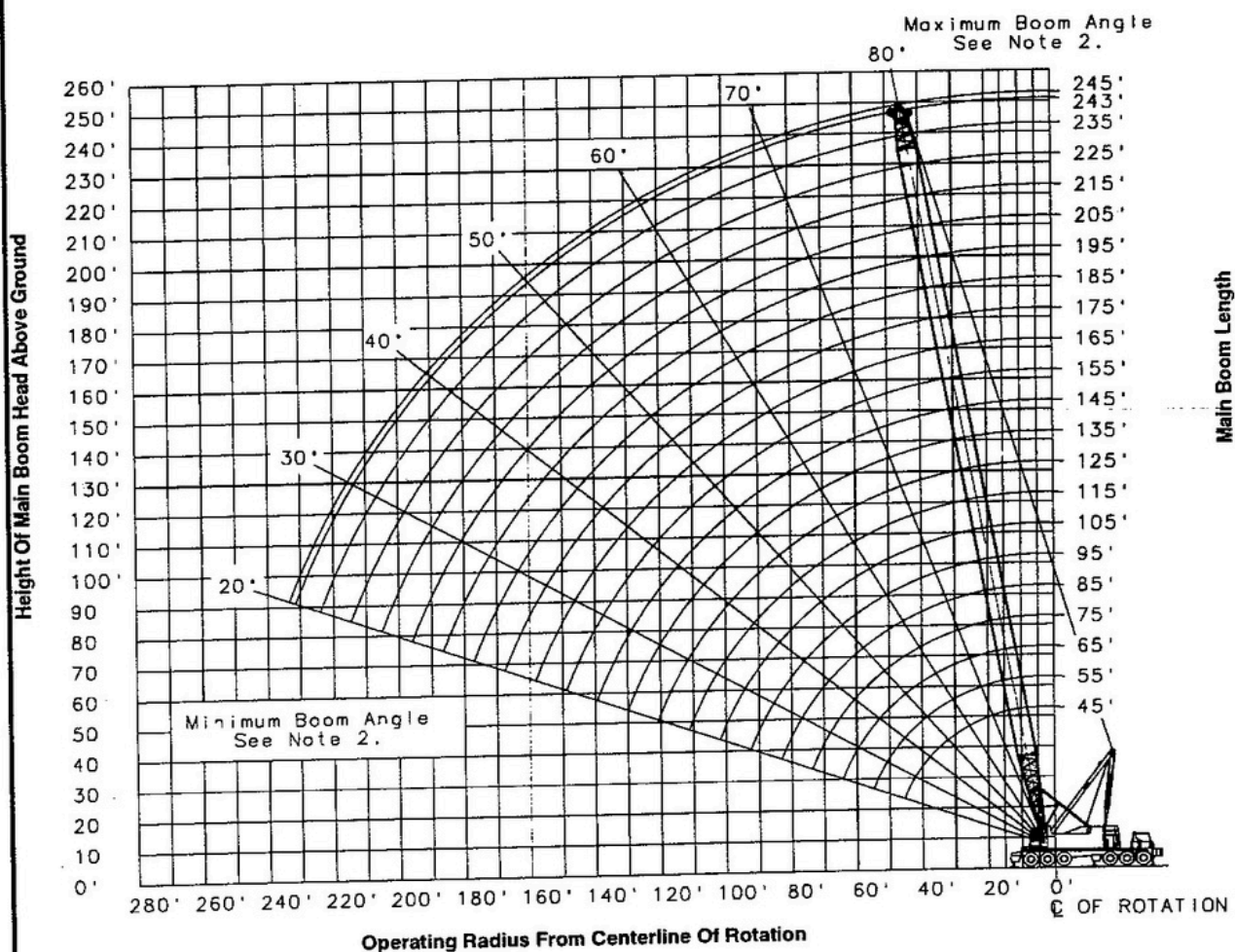
1. REFER TO OPERATOR'S MANUAL.
2. LIVE MAST BACKSTOPS MUST BE IN POSITION AND OPERATIVE.
3. USE REAR DRUM ONLY. REEVE HOIST LINE TO DRUM OVER MAST CROSS MEMBER.
4. REEVE HOIST ROPE WITH THREE (3) PARTS OF 1.00", 1 – 1/8" OR 28.5 mm DIAMETER WIRE ROPE.
5. 76,500 LB CAPACITY IS BASED ON STRENGTH OF MATERIAL.
6. REFER TO "CRANE ASSEMBLY COMPONENT WEIGHTS" FOR WEIGHTS OF COMPONENTS WHEN LIFTING FROM LIVE MAST.

**CRANE ASSEMBLY COMPONENT WEIGHTS**

COMPONENT	WEIGHT
	POUNDS
1. 30' Base Section	4,124
2. 10' Extension W/Lifting Sheaves	2,600
3. Boom Extensions ("H" Wall)	78 lb/ft
4. Boom Extensions ("J" Wall)	100 lb/ft
5. 10' Tapered Extension	2,000
6. 5' Hammerhead Top Section	3,500
7. 5' Auxiliary Lifting Sheave	1,100
8. Front Outrigger Assembly	12,760
9. Rear Outrigger Assembly	12,760
10. Upper Counterweights	
• Counterweight "A"	30,000
• Counterweight "B"	25,200
• Counterweight "C"	21,500
• Counterweight "D"	21,500
• Counterweight "AB"	55,200
• Counterweight "ABC"	76,700
• Counterweight "ABCD"	98,200
11. Bumper Counterweights	
• Counterweight "A"	11,400
• Counterweight "B"	15,300
• Counterweight "AB"	26,700

WORKING RANGE DIAGRAM

(45' TO 245') MAIN BOOM ON OUTRIGGERS



Notes:

1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity chart for each boom length.

Working Range Diagram



CAPACITY DEDUCTIONS FOR LIFTING OFF MAIN BOOM HOOK WITH AUXILIARY LIFTING SHEAVE INSTALLED

When using main boom hook while 5 Foot Auxiliary Lifting Sheave is attached, reduce boom capacities by the values in the following chart:

Auxiliary Lifting Sheave	Capacity Deduction
5'	1,100 lb

MAXIMUM ALLOWABLE CAPACITIES FOR 5 FOOT AUXILIARY LIFTING SHEAVE

LIFTING CAPACITY TO BE THE SMALLEST OF THE FOLLOWING VALUES:

1. 35,000 lb (structural capacity).
2. The standard crane lift capacity minus 1,100 lb for the boom length, auxiliary lifting sheave load radius, and counterweight configuration in use on the crane.
3. The wire rope allowable pull from the Wire Rope Capacity Chart.

NOTES:

1. All notes listed in the standard lift Crane Rating Manual are to be adhered to.
2. Reduce the main boom lift capacities by 1,100 lb when the auxiliary lifting sheave is installed.
3. The maximum boom length on which the auxiliary lifting sheave can be installed is same as maximum boom length allowed.
4. Do not lift or suspend a load from the auxiliary lifting sheave and main boom at the same time.

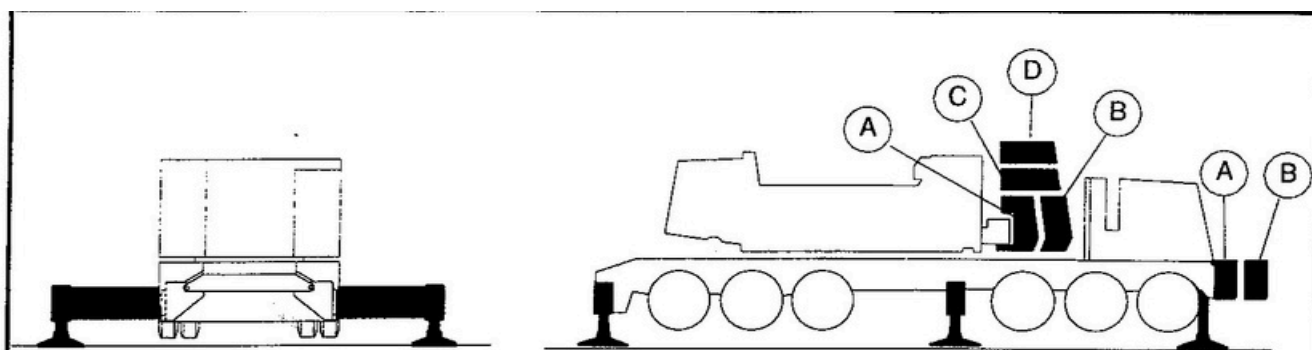
**10 FT EXTENSION LIFTING CAPACITIES – 360°**

Load Radius (ft)	Boom Angle (deg)	On Tires Without Cwt (lb)	On Outriggers With/Without Cwt (lb)	Load Radius (ft)
10.31	82.0	55,000	76,500	10.31
11	80.9	55,000	76,500	11
12	79.3	55,000	76,500	12
13	77.6	55,000	76,500	13
14	75.9	55,000	76,500	14
15	74.3	55,000	76,500	15
16	72.6	52,400	76,500	16
17	70.9	49,600	76,500	17
18	69.1	47,000	76,500	18
19	67.4	44,700	76,500	19
20	65.6	42,500	76,500	20
21	63.8	40,500	76,500	21
22	61.9	38,600	76,500	22
23	60.1	36,200	76,500	23
24	58.1	34,000	76,500	24
25	56.2	32,000	76,500	25
26	54.1	30,100	76,500	26
27	52.1	28,500	76,500	27
28	49.9	27,000	76,500	28
29	47.7	25,600	76,500	29
30	45.4	24,300	76,500	30
31	42.9	23,100	76,500	31
32	40.3	21,900	76,500	32
33	37.6	20,900	76,500	33
34	34.7	19,900	75,000	34
35	31.5	19,000	70,800	35
36	27.9	18,100	66,900	36

**CAUTION**

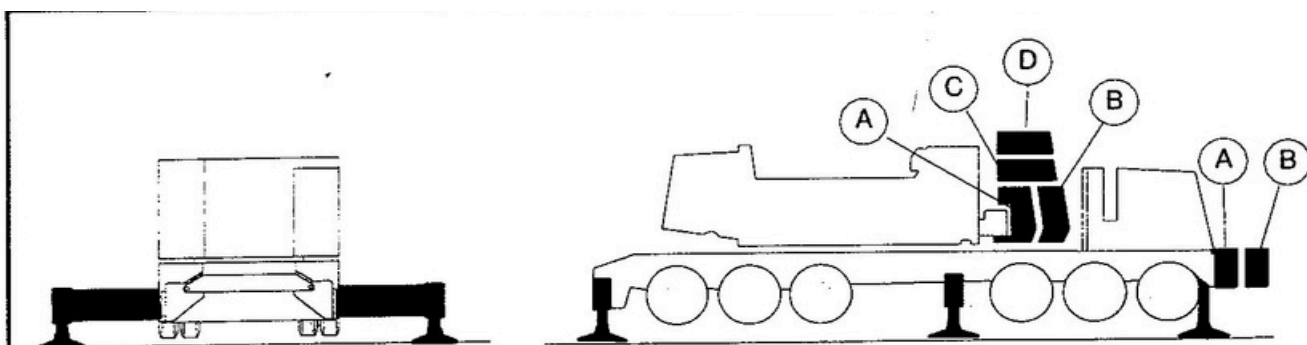
1. REFER TO OPERATOR'S MANUAL.
2. USE FRONT DRUM ONLY. REEVE HOIST LINE UNDER MAST CROSS MEMBER.
3. REEVE HOIST ROPE WITH THREE (3) PARTS OF 1.00", 1-1/8" OR 28.5 mm DIAMETER WIRE ROPE. SEE OPERATOR'S MANUAL FOR CORRECT PROCEDURE.
4. DO NOT SWING UPPER WHEN CRANE IS ON TIRES AND UPPER EQUIPPED WITH "A", "AB", "ABC", OR "ABCD" COUNTERWEIGHTS.
5. REFER TO "CRANE ASSEMBLY COMPONENT WEIGHTS" FOR WEIGHTS OF COMPONENTS WHEN LIFTING WITH THE 10 FT EXTENSION.

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**Main Boom Capacities – On Outriggers – 45 Ft Hammerhead Tube Boom**

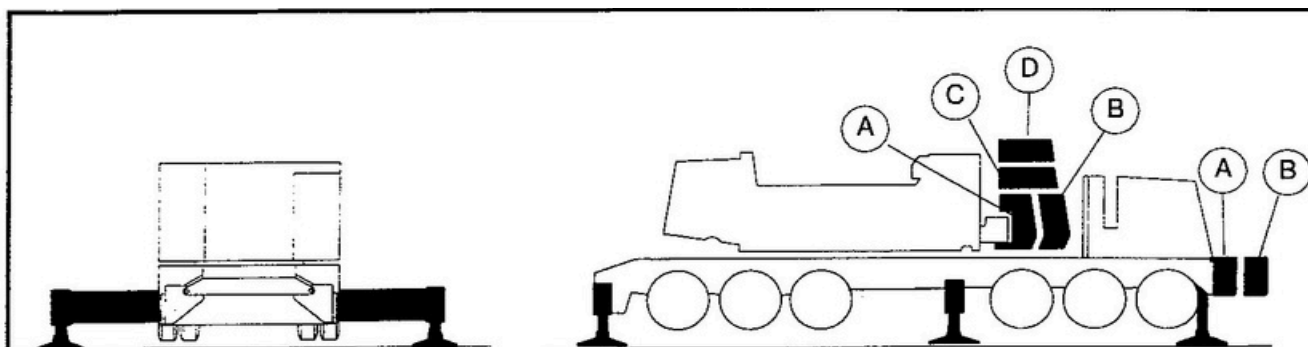
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
12	81.5	385,900	400,000	400,000	400,000	PROHIBITED	12	
13	80.1	356,300	393,500	395,300	395,300		13	
14	78.7	330,800	365,400	392,800	392,800		14	
15	77.3	308,500	340,800	370,700	390,400		15	
16	75.9	289,000	319,400	347,300	384,700		16	
17	74.5	271,700	300,300	326,800	368,600		17	
18	73.1	256,400	283,400	308,300	347,900		18	
19	71.7	242,500	268,200	291,900	329,400		19	
20	70.2	230,000	254,600	277,000	312,700		20	
25	62.8	182,600	202,200	220,300	248,900		25	
30	54.6	128,700	167,000	182,100	206,100		30	
35	45.4	98,300	130,900	154,700	175,300		35	
40	34.2	78,700	105,500	129,100	152,100		40	

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.


Main Boom Capacities – On Outriggers – 45 Ft Hammerhead Tube Boom

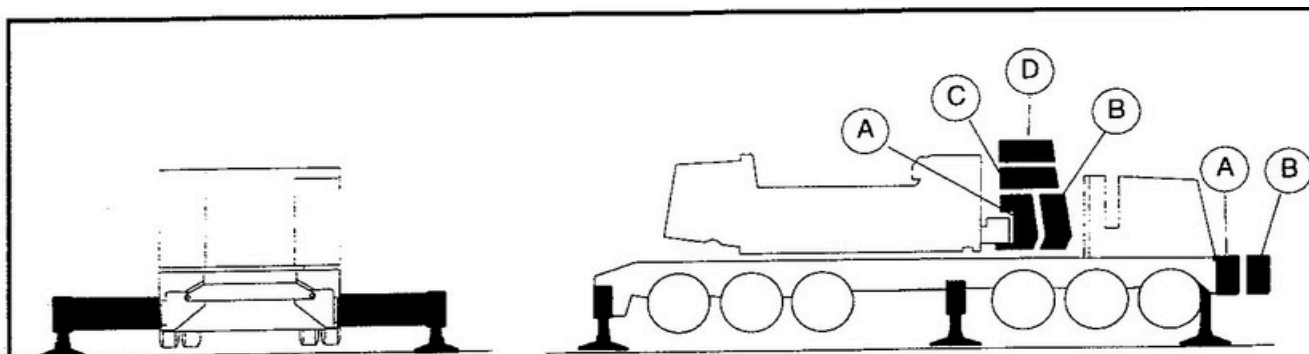
Main Boom Capacity								
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
12	81.5	385,900	400,000	400,000	400,000	PROHIBITED	12	
13	80.1	356,300	382,800	391,700	395,300		13	
14	78.7	330,800	365,400	374,300	391,600		14	
15	77.3	308,500	340,800	358,200	374,900		15	
16	75.9	289,000	319,400	343,400	359,500		16	
17	74.5	271,700	300,300	324,400	345,200		17	
18	73.1	256,400	283,400	306,100	332,300		18	
19	71.7	242,500	268,200	289,800	320,500		19	
20	70.2	230,000	254,600	275,000	309,800		20	
25	62.8	152,800	202,200	218,700	248,900		25	
30	54.6	107,200	148,900	180,800	206,100		30	
35	45.4	81,400	114,000	141,600	175,300		35	
40	34.2	64,900	91,700	114,200	152,100		40	

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.

**Main Boom Capacities – On Outriggers – 55 Ft Hammerhead Tube Boom**

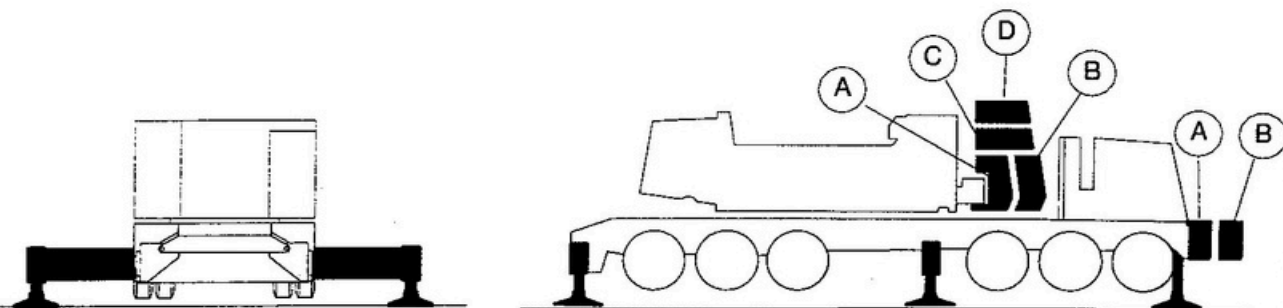
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
13	82.0	356,600	393,700	399,000	399,000	PROHIBITED	13	
14	80.9	331,000	365,500	397,300	397,700		14	
15	79.8	308,700	341,000	370,800	395,300		15	
16	78.7	289,300	319,600	347,500	384,200		16	
17	77.5	272,000	300,600	327,000	368,700		17	
18	76.4	256,700	283,700	308,500	348,000		18	
19	75.3	242,800	268,500	292,100	329,600		19	
20	74.2	230,400	254,900	277,200	312,900		20	
25	68.3	183,000	202,500	220,600	249,200		25	
30	62.2	130,000	167,400	182,500	206,400		30	
35	55.7	99,500	132,000	155,100	175,700		35	
40	48.6	79,800	106,500	130,100	152,500		40	
50	30.4	56,000	75,600	93,000	119,900		50	

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.


Main Boom Capacities – On Outriggers – 55 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
13	82.0	356,600	382,400	391,200	399,000	PROHIBITED	13	
14	80.9	331,000	365,300	373,800	391,000		14	
15	79.8	308,700	341,000	357,800	374,400		15	
16	78.7	289,300	319,600	343,000	359,000		16	
17	77.5	272,000	300,600	324,600	344,800		17	
18	76.4	256,700	283,700	306,300	331,900		18	
19	75.3	242,900	268,500	290,100	320,200		19	
20	74.2	230,400	254,900	275,200	309,500		20	
25	68.3	154,600	202,500	219,000	249,200		25	
30	62.2	108,600	150,200	181,100	206,400		30	
35	55.7	82,600	115,100	142,800	175,700		35	
40	48.6	66,100	92,700	115,300	152,500		40	
50	30.4	45,800	65,500	82,100	111,400		50	

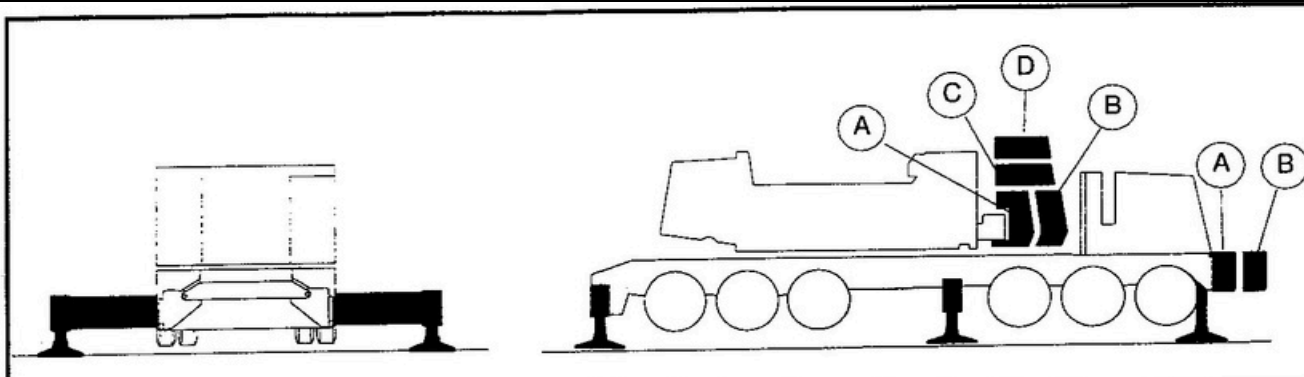
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 65 Ft Hammerhead Tube Boom

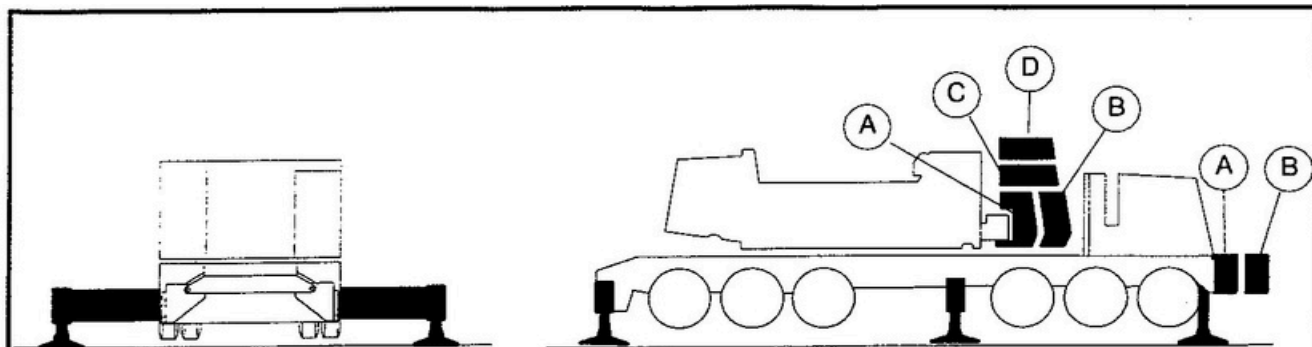
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
14.39	82.0	321,700	355,200	386,000	399,200	PROHIBITED	14.39	
15	81.4	308,400	340,600	370,300	398,000		15	
16	80.5	289,100	319,300	347,000	383,400		16	
17	79.6	271,800	300,300	326,600	368,300		17	
18	78.6	256,500	283,500	308,200	347,600		18	
19	77.7	242,700	268,300	291,900	329,300		19	
20	76.8	230,200	254,700	277,000	312,500		20	
25	72.0	182,900	202,400	220,400	249,000		25	
30	67.0	130,800	167,300	182,400	206,200		30	
35	61.9	100,100	132,600	155,000	175,600		35	
40	56.4	80,300	107,100	130,600	152,400		40	
50	44.1	56,500	76,100	93,500	119,900		50	
60	27.6	42,500	58,000	71,800	94,300		60	

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.


Main Boom Capacities – On Outriggers – 65 Ft Hammerhead Tube Boom

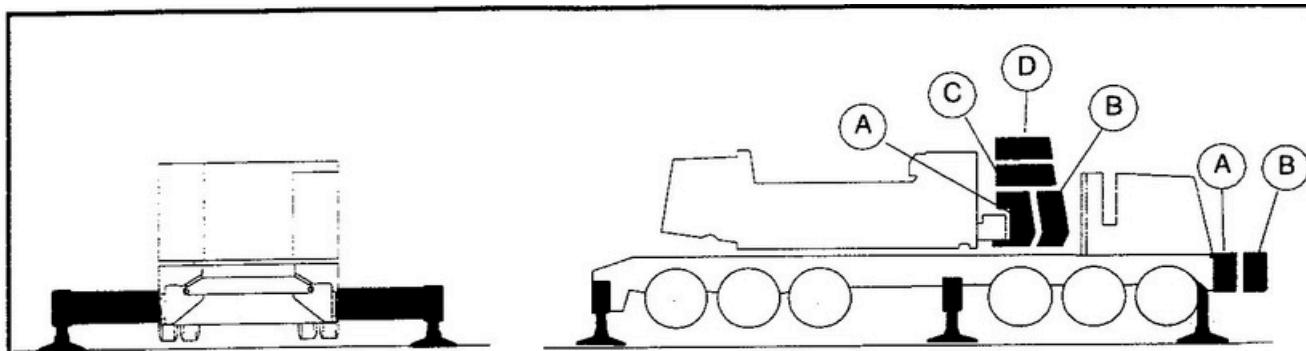
Main Boom Capacity Chart – Upper + Bumper								
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
14.39	82.0	321,700	355,200	366,600	383,400	PROHIBITED	14.39	
15	81.4	308,400	340,600	356,900	373,500		15	
16	80.5	289,100	319,300	342,200	358,200		16	
17	79.6	271,800	300,300	324,300	344,000		17	
18	78.6	256,500	283,500	306,000	331,200		18	
19	77.7	242,700	268,200	289,800	319,500		19	
20	76.8	230,200	254,700	275,000	308,800		20	
25	72.0	155,600	202,400	218,800	249,000		25	
30	67.0	109,400	150,900	181,100	206,300		30	
35	61.9	83,200	115,700	143,400	175,600		35	
40	56.4	66,600	93,300	115,800	152,400		40	
50	44.1	46,400	66,000	82,600	111,900		50	
60	27.6	34,500	50,000	63,200	86,300		60	

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.

**Main Boom Capacities – On Outriggers – 75 Ft Hammerhead Tube Boom**

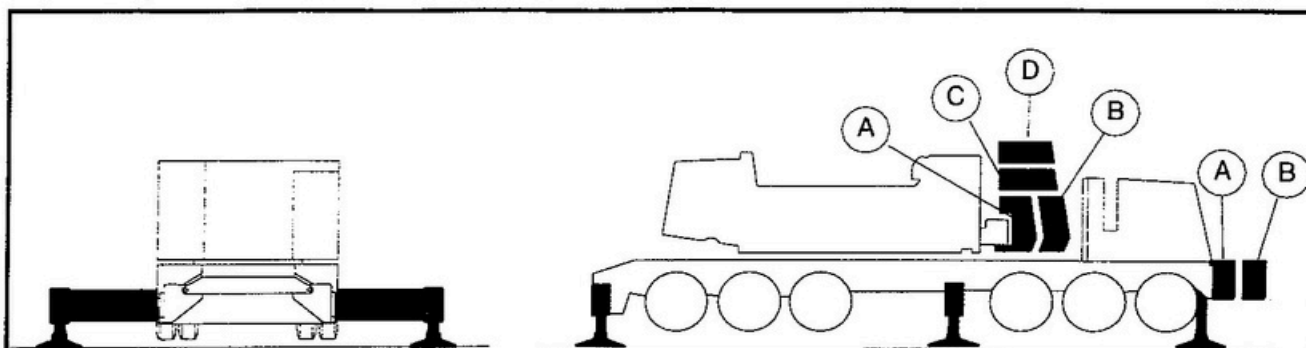
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
15.78	82.0	292,600	323,200	351,200	385,800	PROHIBITED	15.78	
16	81.8	288,500	318,700	346,300	382,300		16	
17	81.0	271,300	299,700	326,000	367,400		17	
18	80.2	256,100	282,900	307,600	346,900		18	
19	79.4	242,300	267,800	291,300	328,600		19	
20	78.6	229,800	254,200	276,500	312,000		20	
25	74.5	182,600	202,000	220,100	248,600		25	
30	70.4	131,300	167,000	182,100	205,900		30	
35	66.1	100,400	132,900	154,700	175,300		35	
40	61.6	80,500	107,300	130,900	152,100		40	
50	52.0	56,700	76,200	93,700	119,700		50	
60	40.7	42,700	58,300	72,000	94,500		60	
70	25.5	33,500	46,300	57,700	76,300		70	

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.


Main Boom Capacities – On Outriggers – 75 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
15.78	82.0	292,600	323,200	344,400	360,400	PROHIBITED	15.78	
16	81.8	288,500	318,700	341,300	357,100		16	
17	81.0	271,300	299,700	323,600	343,000		17	
18	80.2	256,100	282,900	305,400	330,300		18	
19	79.4	242,300	267,800	289,300	318,600		19	
20	78.6	229,800	254,200	274,500	308,000		20	
25	74.5	156,400	202,000	218,500	248,600		25	
30	70.4	109,800	151,400	180,800	205,900		30	
35	66.1	83,600	116,000	143,700	175,300		35	
40	61.6	66,900	93,500	116,000	152,100		40	
50	52.0	46,600	66,200	82,700	112,000		50	
60	40.7	34,800	50,200	63,400	86,400		60	
70	25.5	26,900	39,700	50,600	69,700		70	

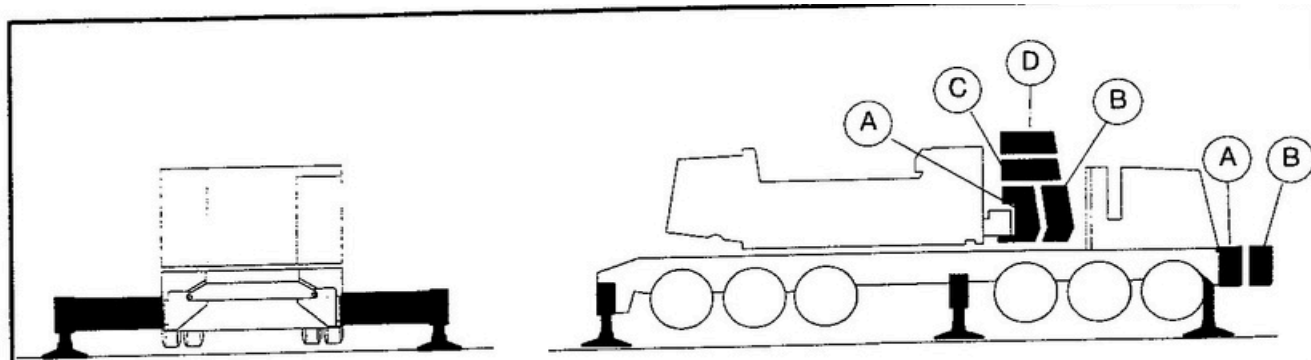
Note: Refer To Page 12 For “Capacity Deductions” Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 85 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
17.17	82.0	267,900	296,100	321,900	362,800	PROHIBITED	17.17	
18	81.4	255,500	282,300	306,900	346,000		18	
19	80.7	241,700	267,100	290,700	327,800		19	
20	80.0	229,300	253,700	275,800	311,200		20	
25	76.5	182,100	201,500	219,600	248,000		25	
30	72.8	131,600	166,600	181,700	205,400		30	
35	69.1	100,600	133,100	154,300	174,900		35	
40	65.3	80,600	107,400	130,900	151,700		40	
50	57.3	56,700	76,300	93,700	119,400		50	
60	48.4	42,700	58,300	72,000	94,400		60	
70	38.0	33,600	46,400	57,800	76,300		70	
80	23.7	27,000	37,900	47,600	63,500		80	

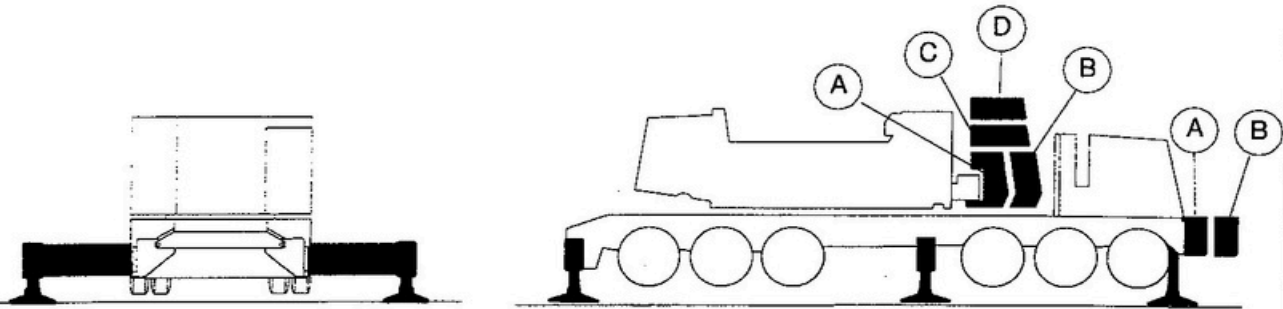
Note: Refer To Page 12 For “Capacity Deductions” Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 85 Ft Hammerhead Tube Boom

Main Boom Capacities - On Cargos								
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
17.17	82.0	267,900	296,100	319,600	339,600	PROHIBITED	17.17	
18	81.4	255,500	282,300	304,700	329,300		18	
19	80.7	241,700	267,100	288,600	317,600		19	
20	80.0	229,300	253,600	273,900	307,000		20	
25	76.5	156,900	201,500	218,000	248,000		25	
30	72.8	110,200	151,600	180,300	205,400		30	
35	69.1	83,700	116,200	143,800	174,900		35	
40	65.3	67,000	93,600	116,100	151,700		40	
50	57.3	46,600	66,300	82,700	112,000		50	
60	48.4	34,800	50,200	63,400	86,400		60	
70	38.0	27,000	39,700	50,600	69,800	70		
80	23.7	21,400	32,300	41,500	57,800	80		

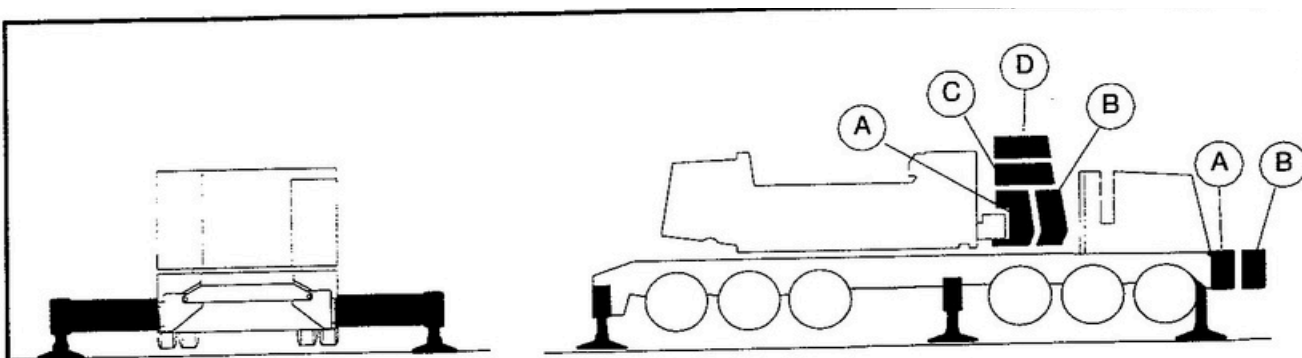
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 95 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
18.56	82.0	247,000	272,900	293,700	293,700	293,700	PROHIBITED	18.56
19	81.7	241,200	266,500	290,000	293,700	293,700		19
20	81.1	228,800	253,100	275,200	291,900	291,900		20
25	77.9	181,800	201,200	219,200	247,500	247,500		25
30	74.7	131,800	166,300	181,300	205,000	205,000		30
35	71.5	100,800	133,200	154,000	174,500	174,500		35
40	68.2	80,800	107,500	131,000	151,400	151,400		40
50	61.3	56,800	76,300	93,700	119,100	119,100		50
60	53.8	42,800	58,300	72,100	94,500	97,500		60
70	45.5	33,700	46,400	57,800	76,300	81,900		70
80	35.7	27,200	38,000	47,700	63,600	69,700		80
90	22.3	22,200	31,800	40,100	54,000	59,300		90

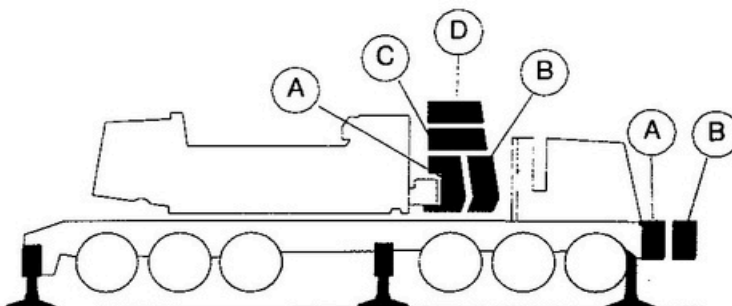
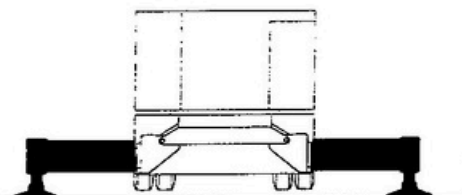
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 95 Ft Hammerhead Tube Boom

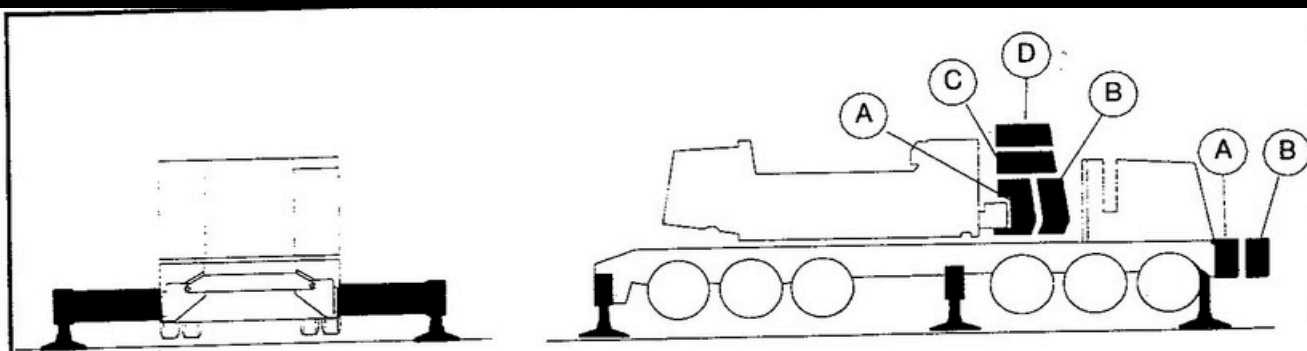
Main Boom Capacities - On Culligors								
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper					Load Radius (ft)	
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A		ABCD+AB
18.56	82.0	247,000	272,900	293,700	293,700	293,700	PROHIBITED	18.56
19	81.7	241,200	266,500	287,900	293,700	293,700		19
20	81.1	228,800	253,100	273,300	291,900	291,900		20
25	77.9	157,300	201,200	217,600	247,500	247,500		25
30	74.7	110,500	151,900	180,000	205,000	205,000		30
35	71.5	83,900	116,400	144,000	174,500	174,600		35
40	68.2	67,200	93,700	116,200	151,400	151,400		40
50	61.3	46,700	66,300	82,800	112,100	115,000		50
60	53.8	34,900	50,300	63,400	86,400	88,900		60
70	45.5	27,100	39,800	50,600	69,800	71,900		70
80	35.7	21,500	32,500	41,600	57,900	59,700		80
90	22.3	17,300	26,800	34,900	49,000	50,600		90

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.

**Main Boom Capacities – On Outriggers –105 Ft Hammerhead Tube Boom**

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
19.95	82.0	228,800	253,100	275,200	282,600	282,600	PROHIBITED	19.95
25	79.1	181,400	200,700	218,700	246,900	247,000		25
30	76.3	132,100	165,900	180,900	204,600	204,600		30
35	73.4	100,900	133,300	153,600	174,200	174,200		35
40	70.4	80,800	107,600	131,000	151,000	151,000		40
50	64.3	56,800	76,300	93,700	118,800	118,800		50
60	57.9	42,700	58,300	72,000	94,400	97,200		60
70	50.9	33,700	46,300	57,700	76,200	81,700		70
80	43.1	27,100	37,900	47,600	63,500	69,600		80
90	33.8	22,200	31,800	40,100	54,000	59,300		90
100	21.1	18,400	26,900	34,400	46,500	51,200	100	

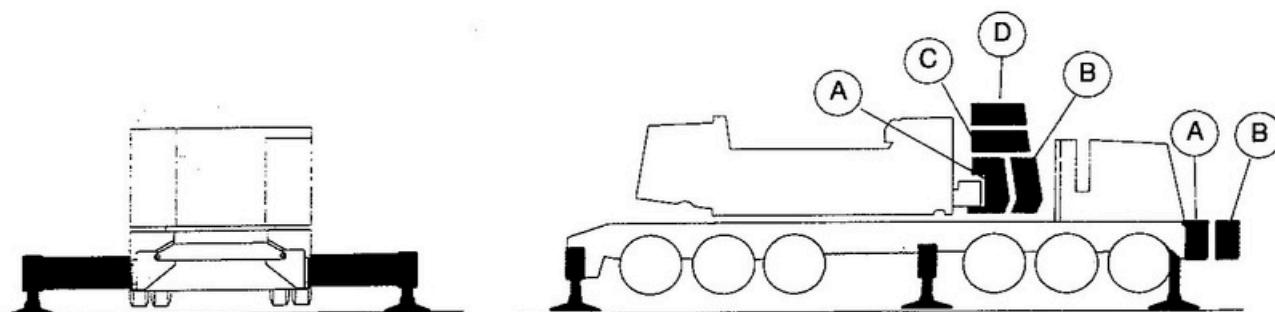
Note: Refer To Page 12 For “Capacity Deductions” Caused By Any Attachment.



Main Boom Capacities – On Outriggers –105 Ft Hammerhead Tube Boom

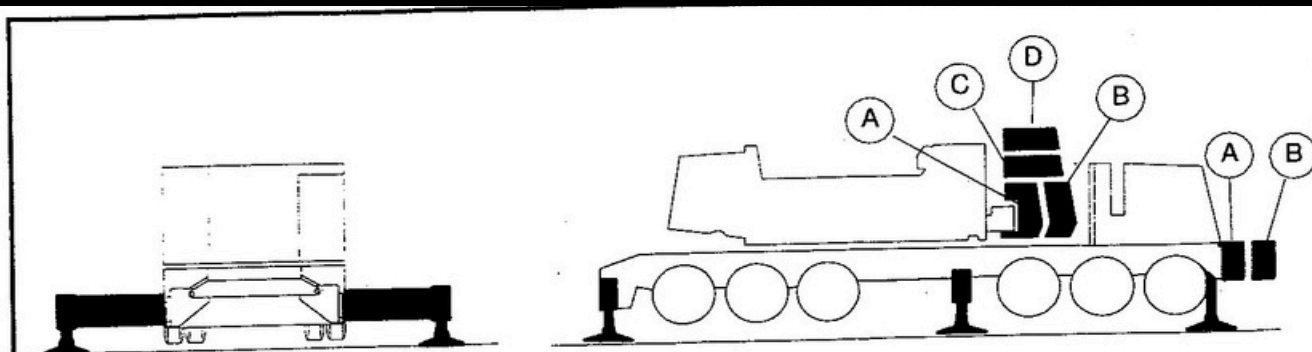
Main Boom Capacities – On Slings								
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper					Load Radius (ft)	
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A		ABCD+AB
19.95	82.0	228,800	253,100	273,200	282,600	282,600	PROHIBITED	19.95
25	79.1	157,700	200,700	217,100	247,000	247,000		25
30	76.3	110,700	152,100	179,600	204,600	204,600		30
35	73.4	84,000	116,500	144,100	174,200	174,200		35
40	70.4	67,200	93,800	116,200	151,000	151,000		40
50	64.3	46,700	66,300	82,800	112,100	115,000		50
60	57.9	34,900	50,200	63,400	86,300	88,800		60
70	50.9	27,000	39,700	50,600	69,700	71,800		70
80	43.1	21,500	32,400	41,500	57,900	59,600		80
90	33.8	17,300	26,900	34,900	49,000	50,500		90
100	21.1	14,000	22,500	29,700	42,200	43,500	100	

Note: Refer To Page 12 For “Capacity Deductions” Caused By Any Attachment.

**Main Boom Capacities – On Outriggers –115 Ft Hammerhead Tube Boom**

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
21.35	82.0	213,100	235,500	256,400	269,500	269,500	PROHIBITED	21.35
25	80.1	180,900	200,200	218,100	246,300	246,300		25
30	77.5	132,200	165,400	180,500	204,100	204,000		30
35	74.9	101,000	133,300	153,200	173,700	173,700		35
40	72.2	80,800	107,600	131,000	150,600	150,600		40
50	66.8	56,800	76,200	93,600	118,400	118,400		50
60	61.0	42,600	58,200	71,900	94,300	96,900		60
70	55.0	33,600	46,200	57,600	76,000	81,300		70
80	48.4	27,000	37,800	47,500	63,400	69,500		80
90	41.0	22,100	31,700	40,000	53,800	59,100		90
100	32.2	18,300	26,800	34,300	46,400	51,100	100	
110	20.1	15,300	22,900	29,600	40,500	44,700	110	

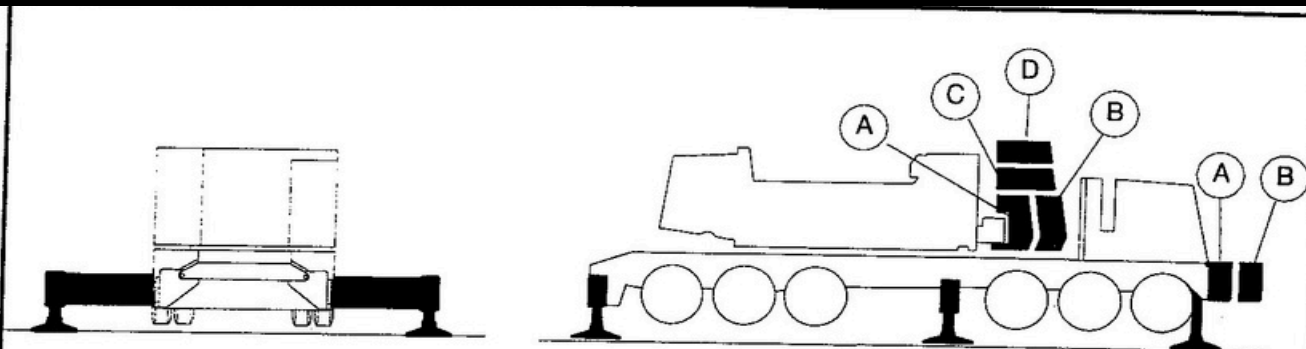
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers –115 Ft Hammerhead Tube Boom

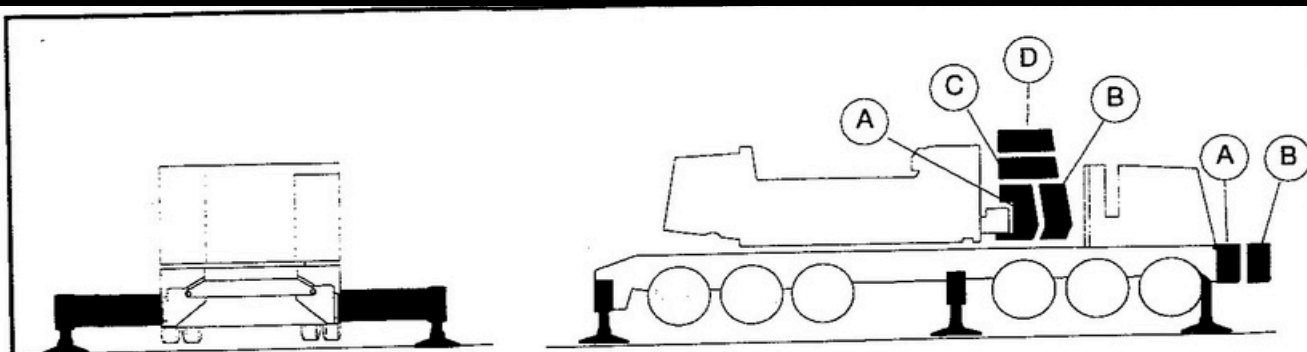
Main Boom Capacities – On Outriggers								
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
21.35	82.0	213,100	235,500	254,600	269,500	269,500	PROHIBITED	21.35
25	80.1	158,000	200,200	216,500	246,300	246,300		25
30	77.5	110,900	152,200	179,100	204,100	204,000		30
35	74.9	84,100	116,500	144,100	173,700	173,700		35
40	72.2	67,200	93,800	116,100	150,600	150,600		40
50	66.8	46,600	66,300	82,700	112,000	114,900		50
60	61.0	34,800	50,100	63,300	86,200	88,700		60
70	55.0	26,900	39,600	50,500	69,600	71,700		70
80	48.4	21,400	32,300	41,400	57,700	59,500		80
90	41.0	17,200	26,800	34,900	48,900	50,400		90
100	32.2	14,000	22,400	29,600	42,100	43,400		100
110	20.1	11,300	19,000	25,400	36,700	37,800		110

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.

**Main Boom Capacities – On Outriggers –125 Ft Hammerhead Tube Boom**

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
22.74	82.0	198,900	220,300	239,600	254,300	254,300	PROHIBITED	22.74
25	80.9	180,400	199,600	217,500	245,600	245,600		25
30	78.6	132,300	164,900	180,000	203,500	203,500		30
35	76.1	101,000	133,300	152,700	173,200	173,200		35
40	73.7	80,700	107,500	130,900	150,200	150,200		40
50	68.8	56,700	76,100	93,500	118,000	118,000		50
60	63.6	42,500	58,000	71,800	94,100	96,500		60
70	58.2	33,400	46,100	57,400	75,800	81,000		70
80	52.5	26,900	37,600	47,300	63,200	69,300		80
90	46.2	22,000	31,600	39,800	53,600	58,900		90
100	39.2	18,200	26,700	34,200	46,200	50,900		100
110	30.8	15,200	22,800	29,500	40,400	44,600		110
120	19.2	12,700	19,600	25,700	35,600	39,400		120

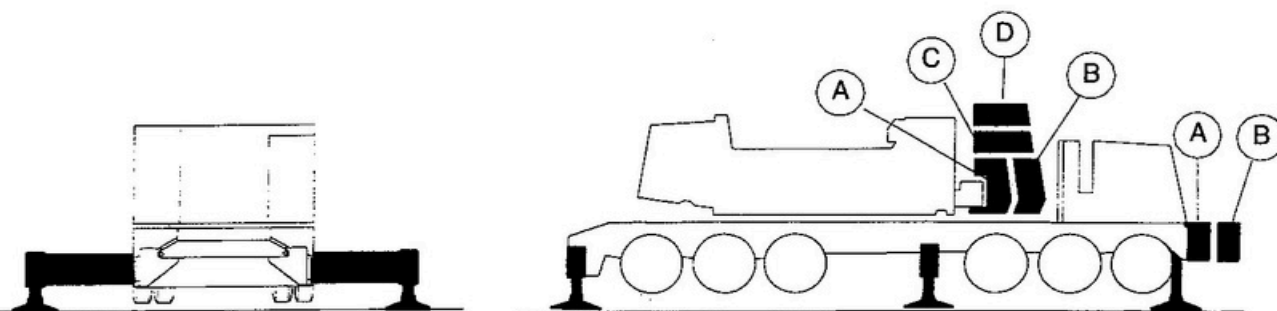
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers –125 Ft Hammerhead Tube Boom

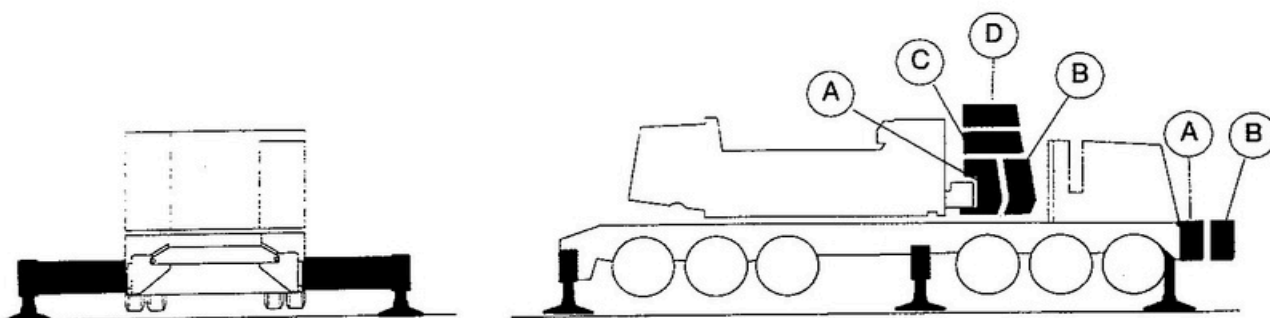
Main Boom Capacities – ON STALLS		Counterweight Combinations – Upper + Bumper						Load Radius (ft)
Load Radius (ft)	Boom Angle (deg)	360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
22.74	82.0	194,700	220,300	237,900	254,300	254,300	PROHIBITED	22.74
25	80.9	158,300	199,600	215,900	245,600	245,600		25
30	78.6	111,000	152,200	178,600	203,500	203,500		30
35	76.1	84,100	116,500	144,100	173,200	173,200		35
40	73.7	67,200	93,700	116,100	150,200	150,200		40
50	68.8	46,500	66,200	82,500	111,800	114,700		50
60	63.6	34,700	50,000	63,200	86,100	88,500		60
70	58.2	26,800	39,400	50,300	69,500	71,500		70
80	52.5	21,200	32,200	41,200	57,600	59,300		80
90	46.2	17,100	26,600	34,700	48,700	50,200		90
100	39.2	13,800	22,300	29,500	41,900	43,200		100
110	30.8	11,200	18,800	25,300	36,600	37,600		110
120	19.2	9,100	16,000	21,800	32,100	33,200		120

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.

**Main Boom Capacities – On Outriggers –135 Ft Hammerhead Tube Boom**

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
24.13	82.0	186,400	206,500	224,700	240,300	240,300	240,300	24.13
25	81.6	179,800	199,000	216,900	239,500	239,500	239,500	25
30	79.4	132,300	164,400	179,400	202,900	202,900	202,900	30
35	77.2	101,000	133,300	152,200	172,700	172,700	172,700	35
40	75.0	80,700	107,400	130,800	149,700	149,700	149,700	40
50	70.4	56,500	75,900	93,300	117,500	117,500	117,500	50
60	65.8	42,300	57,900	71,600	93,900	96,100	96,100	60
70	60.9	33,300	45,900	57,200	75,600	80,500	80,500	70
80	55.7	26,700	37,400	47,100	63,000	69,100	69,100	80
90	50.3	21,800	31,400	39,600	53,400	58,700	60,000	90
100	44.3	18,000	26,500	34,000	46,000	50,700	52,700	100
110	37.6	15,000	22,600	29,300	40,100	44,400	46,700	110
120	29.5	12,500	19,400	25,500	35,500	39,200	41,700	120
130	18.4	10,400	16,700	22,300	31,500	35,000	37,400	130

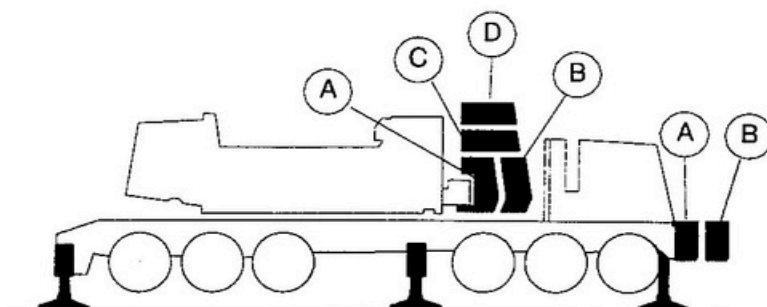
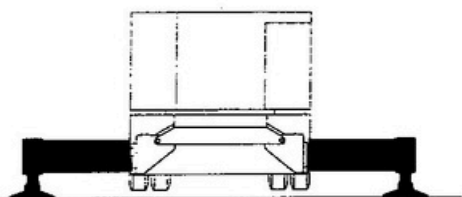
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers –135 Ft Hammerhead Tube Boom

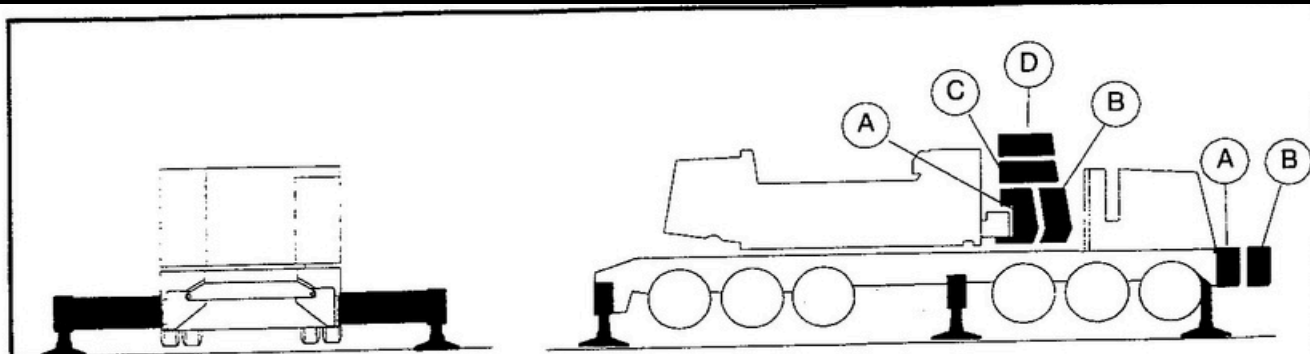
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
24.13	82.0	171,000	206,500	223,400	240,300	240,300	240,300	24.13
25	81.6	158,500	199,000	215,300	239,500	239,500	236,400	25
30	79.4	111,100	152,300	178,100	202,900	202,900	199,700	30
35	77.2	84,100	116,400	144,100	172,700	172,700	172,700	35
40	75.0	67,200	93,600	116,000	149,700	149,700	149,700	40
50	70.4	46,400	66,000	82,400	111,700	114,500	117,500	50
60	65.8	34,600	49,800	63,000	85,900	88,300	91,700	60
70	60.9	26,600	39,200	50,100	69,300	71,300	74,100	70
80	55.7	21,000	32,000	41,000	57,300	59,100	61,400	80
90	50.3	16,900	26,400	34,500	48,500	50,000	52,100	90
100	44.3	13,600	22,100	29,300	41,700	43,000	44,800	100
110	37.6	11,100	18,700	25,100	36,400	37,400	39,100	110
120	29.5	9,000	15,800	21,700	31,900	33,000	34,500	120
130	18.4	7,200	13,500	18,800	28,200	29,200	30,600	130

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.

**Main Boom Capacities – On Outriggers –145 Ft Hammerhead Tube Boom**

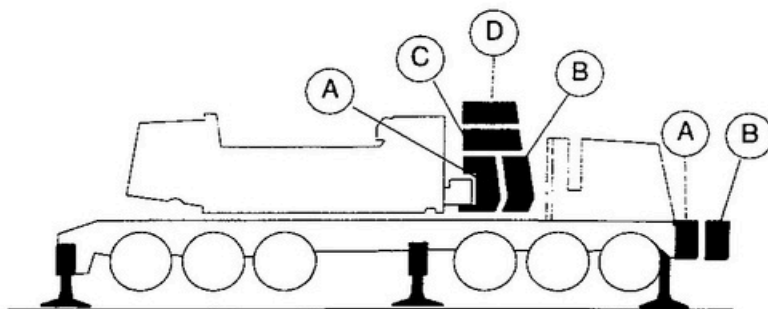
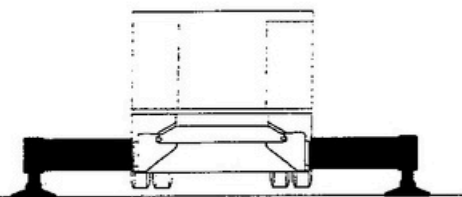
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
25.52	82.0	175,400	194,100	211,600	225,800	225,800	225,800	25.52
30	80.2	132,400	163,900	178,900	202,300	202,300	202,300	30
35	78.1	100,900	133,200	151,700	172,100	172,100	172,100	35
40	76.1	80,600	107,300	130,700	149,100	149,100	149,100	40
50	71.9	56,400	75,700	93,100	117,100	117,100	117,100	50
60	67.6	42,100	57,700	71,400	93,700	95,700	95,700	60
70	63.1	33,100	45,600	57,000	75,400	80,100	80,100	70
80	58.5	26,500	37,200	46,900	62,800	68,700	68,700	80
90	53.6	21,600	31,100	39,300	53,200	58,500	59,600	90
100	48.3	17,800	26,300	33,800	45,800	50,500	52,300	100
110	42.6	14,800	22,400	29,100	39,900	44,100	46,300	110
120	36.1	12,300	19,200	25,300	35,300	38,900	41,300	120
130	28.4	10,200	16,500	22,100	31,300	34,800	37,200	130
140	17.7	8,500	14,300	19,400	27,800	31,100	33,500	140

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.

**Main Boom Capacities – On Outriggers –145 Ft Hammerhead Tube Boom**

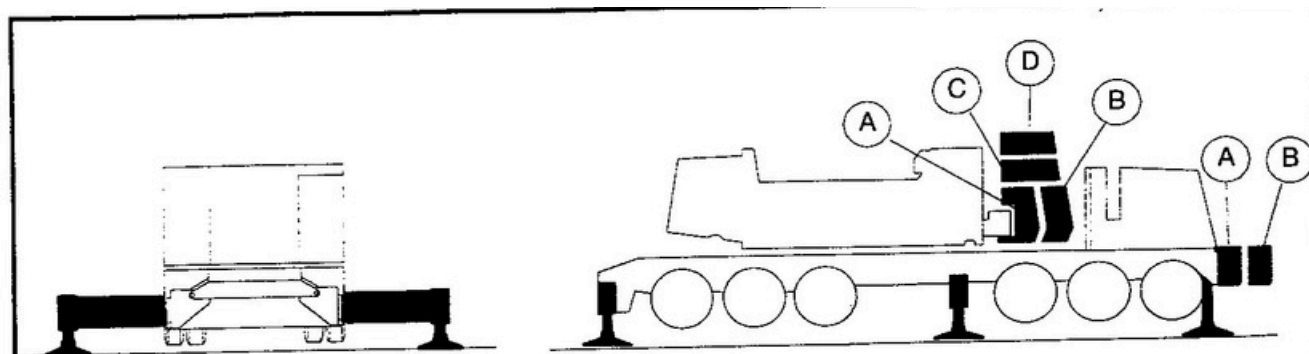
Main Boom Capacities - On Caging								
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
25.52	82.0	151,900	194,100	210,100	225,800	225,800	225,800	25.52
30	80.2	111,100	152,300	177,500	202,300	202,300	199,100	30
35	78.1	84,000	116,400	144,000	172,100	172,100	172,100	35
40	76.1	67,100	93,500	115,800	149,100	149,100	149,100	40
50	71.9	46,200	65,900	82,200	111,500	114,300	117,100	50
60	67.6	34,400	49,600	62,800	85,600	88,100	91,500	60
70	63.1	26,400	39,000	49,900	69,000	71,100	73,800	70
80	58.5	20,800	31,800	40,800	57,100	58,900	61,200	80
90	53.6	16,700	26,200	34,300	48,200	49,800	51,800	90
100	48.3	13,400	21,900	29,100	41,400	42,800	44,600	100
110	42.6	10,800	18,400	24,900	36,200	37,200	38,800	110
120	36.1	8,700	15,600	21,500	31,700	32,800	34,300	120
130	28.4	7,000	13,300	18,600	28,000	29,000	30,400	130
140	17.7	5,500	11,300	16,200	24,800	25,800	27,000	140

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.

**Main Boom Capacities – On Outriggers –155 Ft Hammerhead Tube Boom**

Load Radius Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
26.91	82.0	162,600	183,300	199,500	211,200	211,200	211,200	26.91
30	80.8	132,400	163,300	178,300	201,600	201,600	201,600	30
35	78.9	100,800	133,100	151,100	171,600	171,600	171,600	35
40	77.0	80,400	107,200	130,500	149,000	149,000	149,000	40
50	73.1	56,200	75,500	92,900	116,600	116,600	116,600	50
60	69.1	41,900	57,400	71,200	93,400	95,200	95,200	60
70	65.0	32,900	45,400	56,800	75,100	79,700	79,700	70
80	60.8	26,300	37,200	46,600	62,500	68,300	68,300	80
90	56.3	21,400	30,900	39,100	52,900	58,200	59,200	90
100	51.6	17,600	26,000	33,500	45,500	50,200	51,900	100
110	46.6	14,500	22,100	28,900	39,600	43,800	45,900	110
120	41.1	12,100	18,900	25,100	35,000	38,600	40,900	120
130	34.9	10,000	16,300	21,900	31,000	34,500	36,900	130
140	27.4	8,200	14,100	19,200	27,600	30,900	33,200	140
150	17.1	6,700	12,100	16,900	24,700	27,700	30,000	150

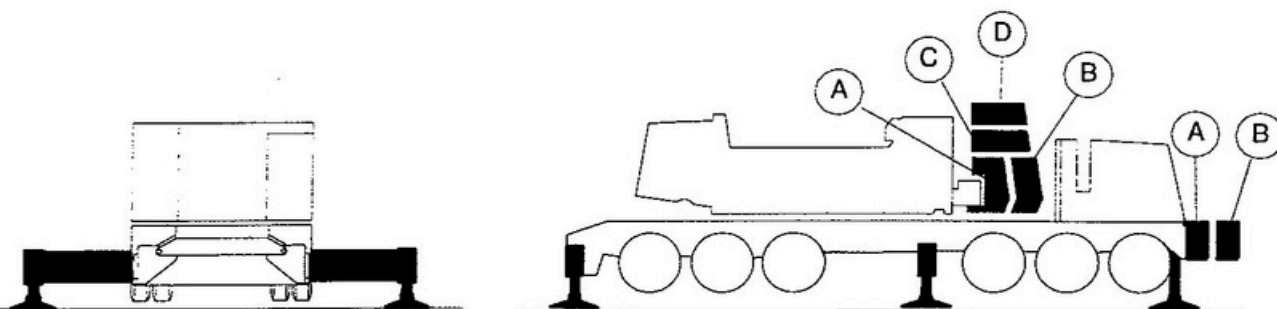
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 155 Ft Hammerhead Tube Boom

Main Boom Capacities - On Sling								
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
26.91	82.0	136,800	183,300	198,100	211,200	211,200	211,200	26.91
30	80.8	111,100	152,300	176,900	201,600	201,600	198,500	30
35	78.9	84,000	116,300	143,900	171,600	171,600	171,600	35
40	77.0	67,000	93,400	115,700	149,000	149,000	149,000	40
50	73.1	46,000	65,700	82,000	111,300	114,100	116,600	50
60	69.1	34,200	49,400	62,600	85,400	87,900	91,200	60
70	65.0	26,200	38,800	49,600	68,800	70,800	73,600	70
80	60.8	20,600	31,600	40,500	56,800	58,600	60,900	80
90	56.3	16,400	26,000	34,100	48,000	49,500	51,500	90
100	51.6	13,200	21,600	28,800	41,100	42,500	44,300	100
110	46.6	10,600	18,200	24,600	35,900	37,200	38,500	110
120	41.1	8,500	15,400	21,200	31,500	32,600	34,100	120
130	34.9	6,700	13,000	18,400	27,800	28,800	30,100	130
140	27.4	5,200	11,100	16,000	24,600	25,600	26,800	140
150	17.1	3,900	9,300	13,900	21,900	22,800	23,900	150

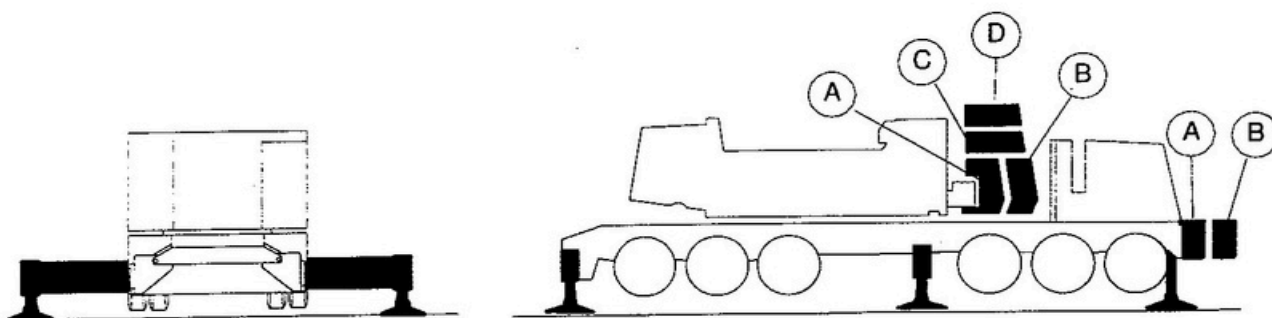
Note: Refer To Page 12 For “Capacity Deductions” Caused By Any Attachment.



Main Boom Capacities – On Outriggers –165 Ft Hammerhead Tube Boom

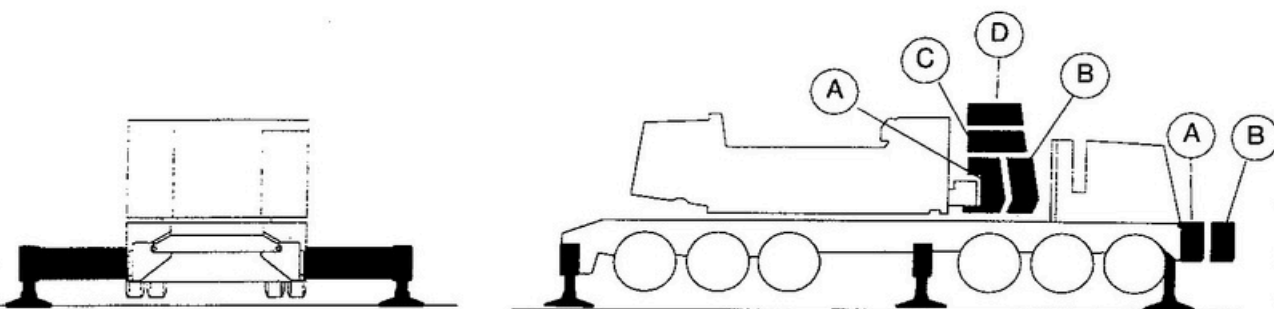
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
28.3	82.0	147,700	173,200	188,600	197,500	197,500	197,500	28.3
30	81.4	132,400	162,700	177,700	192,600	192,600	192,600	30
35	79.6	100,800	133,000	150,600	171,000	171,000	171,000	35
40	77.8	80,300	107,100	130,400	148,400	148,400	148,400	40
50	74.2	56,000	75,300	92,700	116,100	116,100	116,100	50
60	70.5	41,700	57,200	71,000	93,200	94,800	94,800	60
70	66.7	32,600	45,100	56,500	74,800	79,200	79,200	70
80	62.7	26,000	37,000	46,300	62,200	67,900	67,900	80
90	58.7	21,100	30,700	38,800	52,600	57,900	58,800	90
100	54.4	17,300	25,800	33,300	45,200	49,900	51,500	100
110	49.9	14,300	21,900	28,600	39,300	43,500	45,500	110
120	45.0	11,800	18,700	24,800	34,800	38,300	40,500	120
130	39.7	9,700	16,000	21,600	30,800	34,300	36,500	130
140	33.7	8,000	13,800	18,900	27,400	30,600	32,900	140
150	26.5	6,500	11,900	16,700	24,500	27,500	29,700	150
160	16.5	5,200	10,200	14,600	21,900	24,700	26,900	160

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.


Main Boom Capacities – On Outriggers –165 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
28.3	82.0	123,800	169,700	187,200	197,500	197,500	197,500	28.3
30	81.4	111,200	152,200	176,300	192,600	192,600	192,600	30
35	79.6	83,900	116,200	143,800	171,000	171,000	171,000	35
40	77.8	66,900	93,300	115,500	148,400	148,400	148,400	40
50	74.2	45,800	65,500	81,800	111,100	113,900	116,100	50
60	70.5	34,000	49,200	62,400	85,100	87,600	91,000	60
70	66.7	26,000	38,500	49,400	68,500	70,600	73,400	70
80	62.7	20,400	31,300	40,300	56,600	58,300	60,700	80
90	58.7	16,200	25,700	33,800	47,700	49,200	51,300	90
100	54.4	12,900	21,400	28,500	40,800	42,200	44,000	100
110	49.9	10,300	17,900	24,400	35,700	36,900	38,200	110
120	45.0	8,200	15,100	21,000	31,200	32,300	33,800	120
130	39.7	6,500	12,800	18,100	27,500	28,500	29,900	130
140	33.7	5,000	10,800	15,700	24,400	25,300	26,600	140
150	26.5	3,700	9,100	13,700	21,700	22,500	23,700	150
160	16.5	2,600	7,600	11,900	19,300	20,100	21,200	160

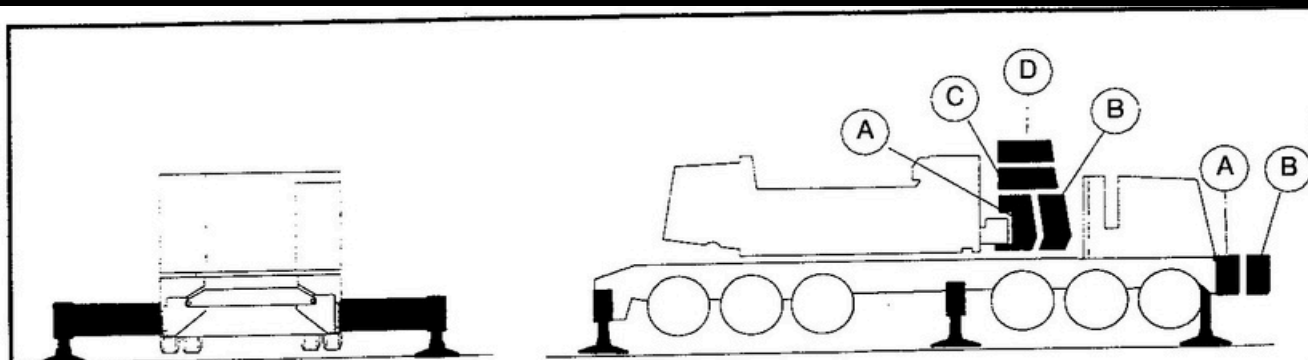
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers –175 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
29.7	82.0	134,900	163,900	176,500	176,500	176,500	176,500	29.7
30	81.9	132,300	162,200	176,000	176,000	176,000	176,000	30
35	80.2	100,700	132,900	150,000	165,000	165,000	165,000	35
40	78.5	80,100	106,900	130,000	147,900	147,900	147,900	40
50	75.1	55,800	75,100	92,500	115,600	115,600	115,600	50
60	71.6	41,400	57,000	70,800	92,900	94,300	94,300	60
70	68.1	32,400	44,900	56,300	74,500	78,800	78,800	70
80	64.4	25,800	36,700	46,100	62,000	67,400	67,400	80
90	60.7	20,800	30,400	38,500	52,300	57,600	58,300	90
100	56.8	17,000	25,500	33,000	44,900	49,600	51,000	100
110	52.7	14,000	21,600	28,300	39,000	43,200	45,000	110
120	48.3	11,500	18,400	24,500	34,500	38,000	40,000	120
130	43.6	9,400	15,700	21,300	30,500	34,000	36,100	130
140	38.5	7,700	13,500	18,700	27,100	30,300	32,500	140
150	32.7	6,200	11,600	16,400	24,200	27,200	29,300	150
160	25.7	4,900	9,900	14,400	21,700	24,500	26,500	160
170	16.0	3,800	8,500	12,600	19,500	22,100	24,000	170

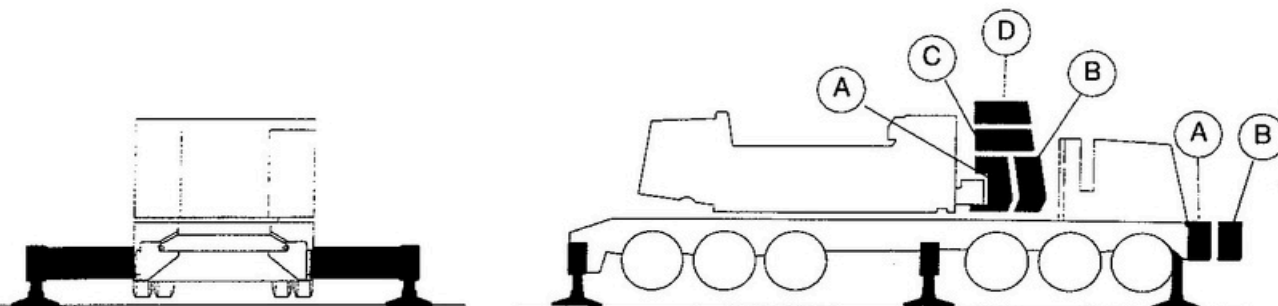
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers –175 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
29.7	82.0	112,900	155,100	176,500	176,500	176,500	176,500	29.7
30	81.9	111,200	152,200	175,700	176,000	176,000	176,000	30
35	80.2	83,800	116,100	143,700	165,000	165,000	165,000	35
40	78.5	66,700	93,100	115,300	147,900	147,900	147,900	40
50	75.1	45,600	65,300	81,600	110,900	113,600	115,600	50
60	71.6	33,800	48,900	62,100	84,900	87,400	90,700	60
70	68.1	25,800	38,200	49,100	68,300	70,300	73,100	70
80	64.4	20,100	31,100	40,000	56,300	58,000	60,400	80
90	60.7	15,900	25,500	33,500	47,400	48,900	51,000	90
100	56.8	12,600	21,100	28,300	40,500	41,900	43,700	100
110	52.7	10,100	17,700	24,100	35,400	36,600	37,900	110
120	48.3	7,900	14,800	20,700	30,900	32,000	33,500	120
130	43.6	6,200	12,500	17,800	27,200	28,200	29,600	130
140	38.5	4,700	10,500	15,400	24,100	25,000	26,300	140
150	32.7	3,400	8,800	13,400	21,400	22,300	23,400	150
160	25.7	2,300	7,300	11,600	19,100	19,900	21,000	160
170	16.0		6,000	10,000	17,000	17,800	18,800	170

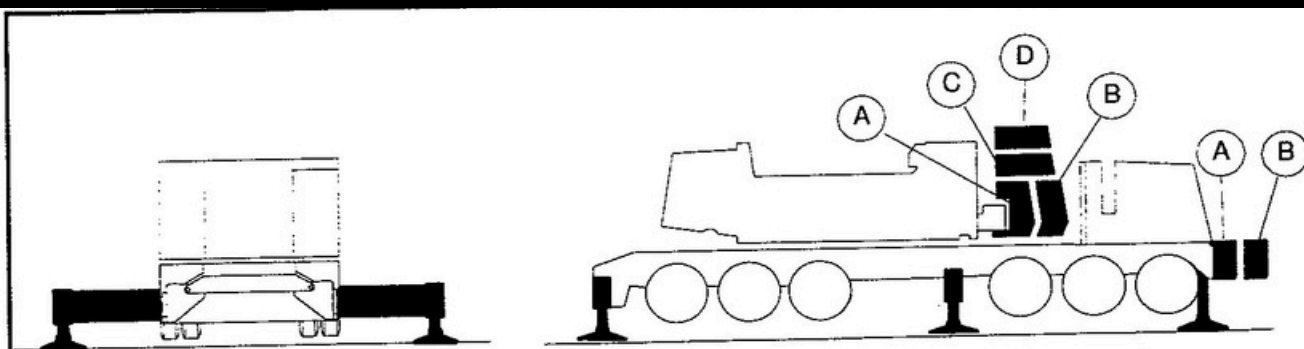
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers –185 Ft Hammerhead Tube Boom

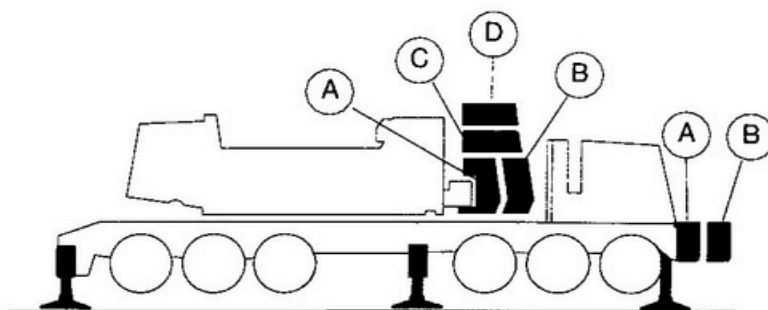
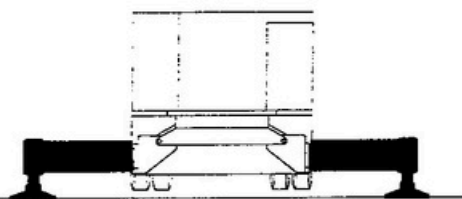
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
31.09	82.0	123,900	155,400	161,500	161,500	161,500	161,500	31.09
35	80.8	100,600	132,800	149,400	153,900	153,900	153,900	35
40	79.2	80,000	106,800	129,500	141,400	141,400	141,400	40
50	75.9	55,600	74,800	92,300	115,100	115,100	115,100	50
60	72.7	41,200	56,700	70,500	92,600	93,800	93,800	60
70	69.3	32,200	44,600	56,000	74,200	78,300	78,300	70
80	65.9	25,500	36,500	45,800	61,700	67,000	67,000	80
90	62.4	20,500	30,100	38,200	52,000	57,300	57,900	90
100	58.8	16,700	25,200	32,700	44,600	49,300	50,600	100
110	55.0	13,700	21,300	28,000	38,700	42,900	44,600	110
120	51.1	11,200	18,100	24,200	34,200	37,700	39,600	120
130	46.9	9,100	15,400	21,000	30,200	33,700	35,400	130
140	42.3	7,400	13,200	18,400	26,800	30,000	31,900	140
150	37.4	5,900	11,300	16,100	23,900	26,900	28,700	150
160	31.7	4,600	9,600	14,100	21,400	24,200	25,800	160
170	24.9	3,500	8,200	12,400	19,200	21,800	23,300	170
180	15.5	2,500	6,900	10,800	17,200	19,700	21,100	180

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.


Main Boom Capacities – On Outriggers –185 Ft Hammerhead Tube Boom

Main Boom Capacities - On C-String								
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
31.09	82.0	103,900	142,900	161,500	161,500	161,500	161,500	31.09
35	80.8	83,700	115,900	143,600	153,900	153,900	153,900	35
40	79.2	66,600	92,900	115,100	141,400	141,400	141,400	40
50	75.9	45,400	65,100	81,300	110,600	113,400	115,100	50
60	72.7	33,600	48,700	61,900	84,600	87,100	90,400	60
70	69.3	25,500	38,000	48,800	68,000	70,100	72,800	70
80	65.9	19,800	30,800	39,700	56,000	57,800	60,100	80
90	62.4	15,600	25,200	33,300	47,100	48,600	50,700	90
100	58.8	12,400	20,800	28,000	40,200	41,600	43,400	100
110	55.0	9,800	17,400	23,800	35,100	36,300	37,600	110
120	51.1	7,600	14,500	20,400	30,600	31,700	33,200	120
130	46.9	5,900	12,200	17,500	26,900	27,900	29,300	130
140	42.3	4,400	10,200	15,100	23,800	24,700	26,000	140
150	37.4	3,100	8,500	13,100	21,100	22,000	23,100	150
160	31.7		7,000	11,300	18,800	19,600	20,700	160
170	24.9		5,800	9,700	16,800	17,500	18,500	170
180	15.5		4,600	8,400	14,900	15,700	16,600	180

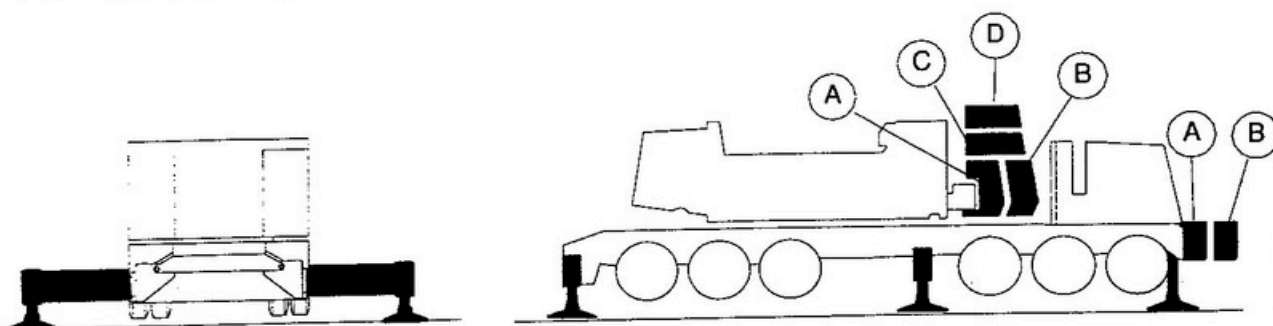
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers –195 Ft Hammerhead Tube Boom

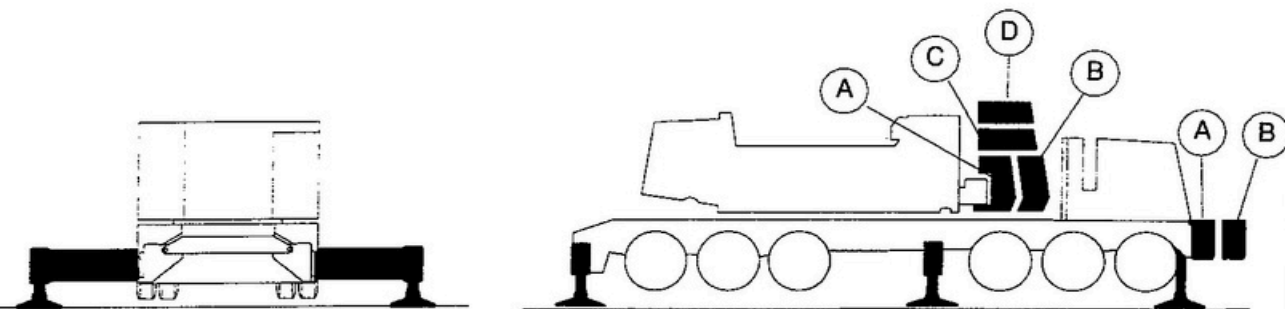
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
32.48	82.0	114,300	144,800	144,800	144,800	144,800	144,800	32.48
35	81.2	100,500	132,700	140,700	140,700	140,700	140,700	35
40	79.7	79,800	106,600	128,900	132,400	132,400	132,400	40
50	76.7	55,400	74,600	92,000	114,500	114,500	114,500	50
60	73.6	40,900	56,500	70,200	92,400	93,300	93,300	60
70	70.5	31,900	44,300	55,700	74,400	77,800	77,800	70
80	67.3	25,200	36,200	45,500	61,400	66,500	66,500	80
90	64.0	20,300	29,800	37,900	51,700	57,000	57,400	90
100	60.6	16,400	24,900	32,400	44,300	49,000	50,100	100
110	57.1	13,400	21,000	27,700	38,300	42,500	44,100	110
120	53.5	10,900	17,800	23,900	33,900	37,300	39,200	120
130	49.6	8,800	15,100	20,700	29,900	33,100	33,100	130
140	45.5	7,100	12,900	18,000	26,500	29,700	29,700	140
150	41.2	5,600	11,000	15,800	23,600	26,600	26,600	150
160	36.3	4,300	9,300	13,800	21,100	23,900	23,900	160
170	30.8	3,200	7,900	12,000	18,900	21,500	21,500	170
180	24.3	2,200	6,600	10,500	16,900	19,400	19,400	180
190	15.1		5,400	9,100	15,200	17,400	17,400	190

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.

**Main Boom Capacities – On Outriggers –195 Ft Hammerhead Tube Boom**

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
32.48	82.0	95,800	132,000	144,800	144,800	144,800	144,800	32.48
35	81.2	83,600	115,800	140,700	140,700	140,700	140,700	35
40	79.7	66,400	92,800	115,000	132,400	132,400	132,400	40
50	76.7	45,200	64,900	81,100	110,400	113,100	114,500	50
60	73.6	33,300	48,400	61,600	84,300	86,800	90,100	60
70	70.5	25,300	37,700	48,600	67,700	69,800	72,500	70
80	67.3	19,600	30,500	39,400	55,700	57,400	59,800	80
90	64.0	15,300	24,900	33,000	46,800	48,300	50,300	90
100	60.6	12,100	20,500	27,700	39,900	41,200	43,100	100
110	57.1	9,500	17,100	23,500	34,800	36,000	37,300	110
120	53.5	7,300	14,200	20,100	30,300	31,400	32,900	120
130	49.6	5,600	11,900	17,200	26,600	27,600	29,000	130
140	45.5	4,100	9,900	14,800	23,500	24,400	25,700	140
150	41.2	2,800	8,200	12,800	20,800	21,700	22,800	150
160	36.3		6,700	11,000	18,500	19,300	20,400	160
170	30.8		5,400	9,400	16,400	17,200	18,200	170
180	24.3		4,300	8,100	14,700	15,400	16,300	180
190	15.1		3,300	6,800	13,100	13,700	14,600	190

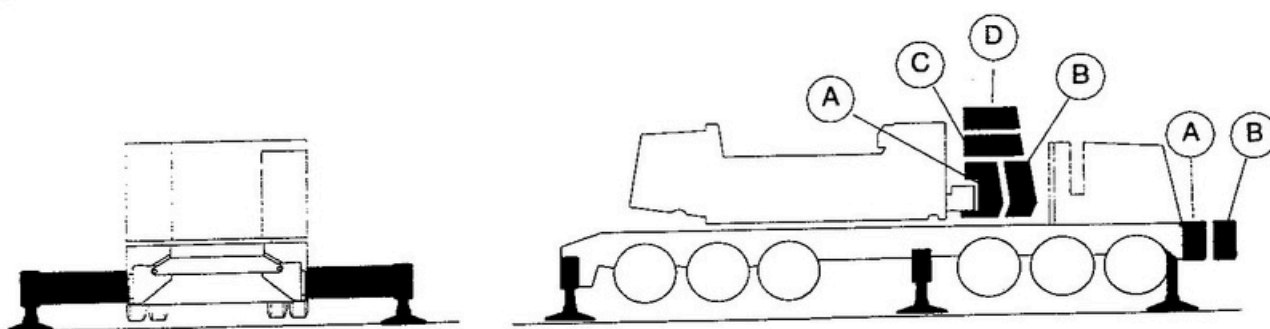
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 205 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
33.87	82.0	PROHIBITED	133,000	133,000	133,000	133,000	133,000	33.87
35	81.7		131,300	131,300	131,300	131,300	131,300	35
40	80.2		106,400	124,300	124,300	124,300	124,300	40
50	77.4		74,400	91,800	104,500	104,500	104,500	50
60	74.4		56,200	70,000	89,000	89,000	89,000	60
70	71.5		44,000	55,400	74,100	76,300	76,300	70
80	68.4		35,900	45,200	61,100	63,200	63,200	80
90	65.4		29,500	37,500	51,400	55,100	55,100	90
100	62.2		24,600	32,100	43,900	48,400	48,400	100
110	58.9		20,700	27,400	38,000	42,200	42,600	110
120	55.5		17,500	23,600	33,600	34,600	34,600	120
130	52.0		14,800	20,400	29,500	30,900	30,900	130
140	48.3		12,600	17,700	26,200	27,600	27,600	140
150	44.3		10,700	15,400	23,300	24,700	24,700	150
160	40.1		9,000	13,500	20,700	22,100	22,100	160
170	35.4		7,600	11,700	18,500	19,800	19,800	170
180	30.0		6,300	10,200	16,600	17,700	17,700	180
190	23.6		5,100	8,800	14,900	15,900	15,900	190
200	14.7		4,100	7,600	13,400	14,300	14,300	200

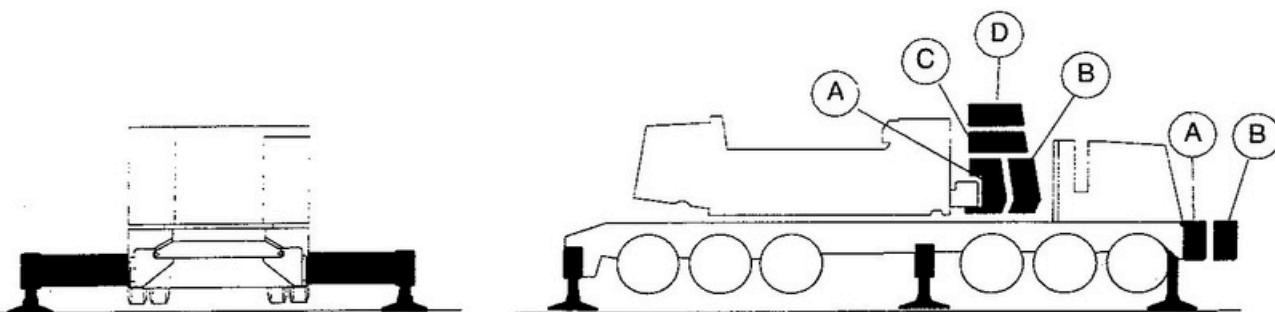
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 205 Ft Hammerhead Tube Boom

Main Boom Capacities - ON-Edging								
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
33.87	82.0	PROHIBITED	122,500	133,000	133,000	133,000	133,000	33.87
35	81.7		115,700	131,300	131,300	131,300	131,300	35
40	80.2		92,600	114,800	124,300	124,300	124,300	40
50	77.4		64,700	80,900	104,500	104,500	104,500	50
60	74.4		48,200	61,300	84,000	86,500	89,000	60
70	71.5		37,400	48,300	67,400	69,500	72,200	70
80	68.4		30,200	39,100	55,400	57,100	59,500	80
90	65.4		24,600	32,700	46,500	48,000	50,000	90
100	62.2		20,200	27,400	39,600	40,900	42,700	100
110	58.9		16,700	23,200	34,500	35,700	36,900	110
120	55.5		13,900	19,700	30,000	31,100	32,600	120
130	52.0		11,600	16,900	26,300	27,300	28,700	130
140	48.3		9,600	14,500	23,200	24,100	25,300	140
150	44.3		7,900	12,400	20,500	21,300	22,500	150
160	40.1		6,400	10,700	18,100	18,900	20,000	160
170	35.4		5,100	9,100	16,100	16,900	17,900	170
180	30.0		4,000	7,700	14,300	15,000	16,000	180
190	23.6		3,000	6,500	12,700	13,400	14,300	190
200	14.7		2,100	5,400	11,300	11,900	12,800	200

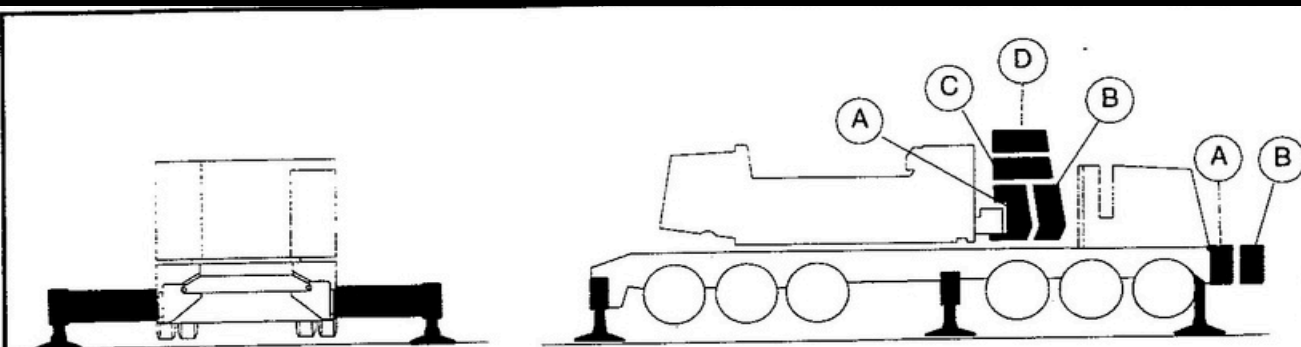
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 215 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
35.26	82.0	PROHIBITED	122,500	122,500	122,500	122,500	122,500	35.26
40	80.7		106,200	116,400	116,400	116,400	116,400	40
50	78.0		74,100	91,500	98,200	98,200	98,200	50
60	75.2		55,900	69,700	83,700	83,700	83,700	60
70	72.4		43,700	55,100	68,800	68,800	68,800	70
80	69.5		35,600	44,800	59,600	59,600	59,600	80
90	66.6		29,200	37,200	51,100	51,900	51,900	90
100	63.6		24,300	31,800	43,600	45,400	45,400	100
110	60.5		20,300	27,100	37,600	39,900	39,900	110
120	57.4		17,100	23,300	32,500	32,500	32,500	120
130	54.1		14,500	20,100	28,900	28,900	28,900	130
140	50.7		12,200	17,400	25,700	25,700	25,700	140
150	47.1		10,300	15,100	22,900	22,900	22,900	150
160	43.2		8,700	13,100	20,400	20,400	20,400	160
170	39.1		7,200	11,400	18,200	18,200	18,200	170
180	34.5		5,900	9,900	16,300	16,300	16,300	180
190	29.3		4,800	8,500	14,500	14,500	14,500	190
200	23.0		3,800	7,300	12,900	12,900	12,900	200
210	14.3		2,900	6,200	11,500	11,500	11,500	210

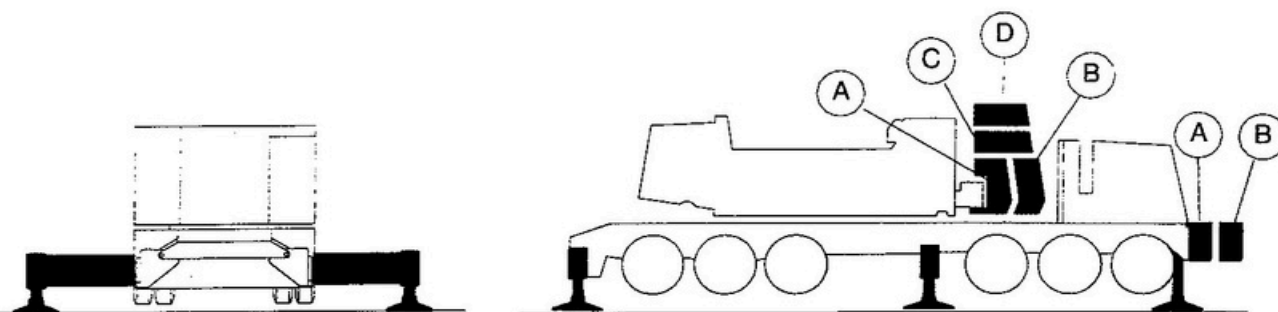
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 215 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)	
		360° Rotation							
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB		
35.26	82.0	PROHIBITED	114,000	122,500	122,500	122,500	122,500	35.26	
40	80.7		92,400	114,500	116,400	116,400	116,400	40	
50	78.0		64,500	80,600	98,200	98,200	98,200	50	
60	75.2		47,900	61,100	83,700	83,700	83,700	60	
70	72.4		37,100	48,000	67,100	68,800	68,800	70	
80	69.5		30,000	38,800	55,100	56,800	59,200	80	
90	66.6		24,300	32,400	46,100	47,700	49,700	90	
100	63.6		19,900	27,100	39,200	40,600	42,400	100	
110	60.5		16,400	22,900	34,200	35,400	37,000	110	
120	57.4		13,600	19,400	29,700	30,800	32,300	120	
130	54.1		11,200	16,600	26,000	27,000	28,300	130	
140	50.7		9,200	14,200	22,800	23,700	25,000	140	
150	47.1		7,500	12,100	20,100	21,000	22,200	150	
160	43.2		6,100	10,300	17,800	18,600	19,700	160	
170	39.1		4,800	8,800	15,800	16,500	17,500	170	
180	34.5		3,700	7,400	14,000	14,700	15,700	180	
190	29.3		2,700	6,200	12,400	13,100	14,000	190	
200	23.0				5,100	11,000	11,600	12,500	200
210	14.3				4,100	9,700	10,300	11,100	210

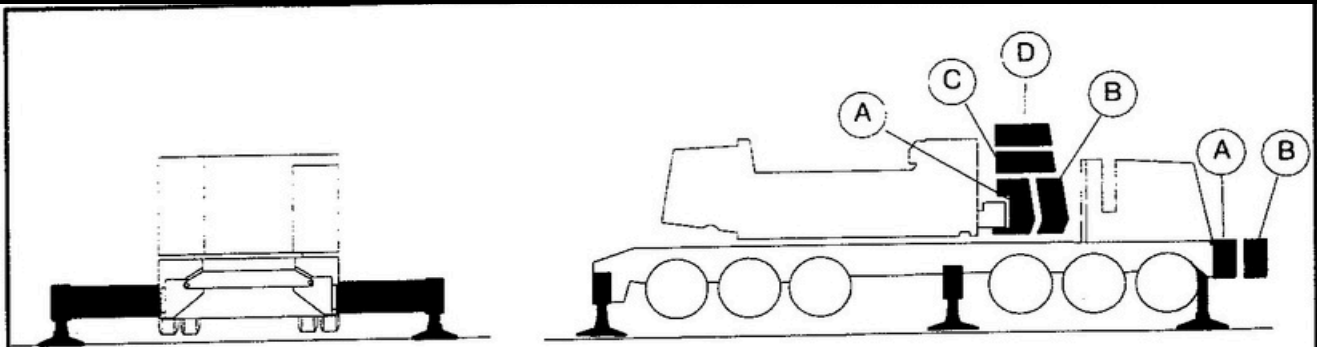
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 225 Ft Hammerhead Tube Boom

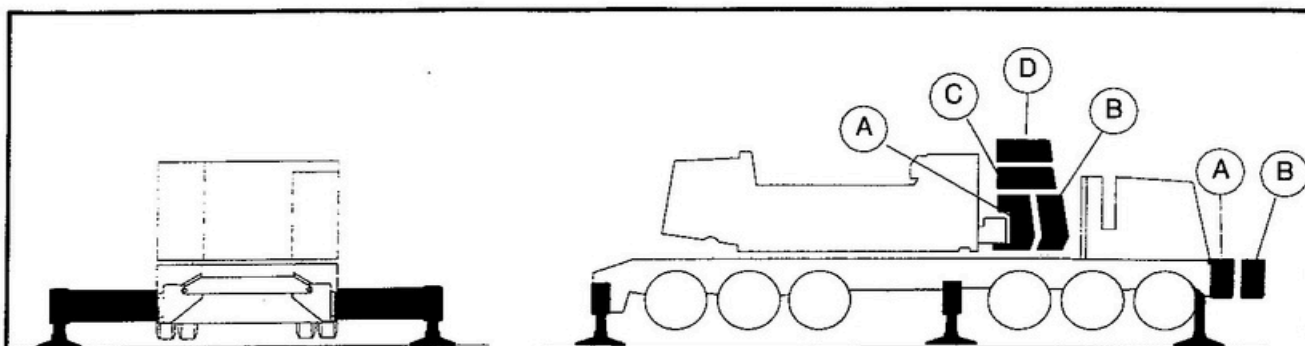
Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
36.66	82.0	PROHIBITED	112,600	112,600	112,600	112,600	112,600	36.66
40	81.1		105,600	105,600	105,600	105,600	105,600	40
50	78.5		73,900	91,300	92,400	92,400	92,400	50
60	75.9		55,700	69,400	78,800	78,800	78,800	60
70	73.2		43,400	54,800	64,800	64,800	64,800	70
80	70.5		35,300	44,500	56,100	56,100	56,100	80
90	67.7		28,900	36,900	48,700	48,700	48,700	90
100	64.9		24,000	31,500	42,600	42,600	42,600	100
110	62.0		20,000	26,800	34,300	34,300	34,300	110
120	59.0		16,800	22,900	30,400	30,400	30,400	120
130	56.0		14,200	19,700	26,900	26,900	26,900	130
140	52.8		11,900	17,100	23,900	23,900	23,900	140
150	49.4		10,000	14,800	21,200	21,200	21,200	150
160	45.9		8,300	12,800	18,800	18,800	18,800	160
170	42.2		6,900	11,000	16,700	16,700	16,700	170
180	38.1		5,600	9,500	14,700	14,700	14,700	180
190	33.7		4,500	8,200	13,000	13,000	13,000	190
200	28.6		3,500	7,000	11,400	11,400	11,400	200
210	22.5		2,500	5,900	9,900	9,900	9,900	210
220	14.0			4,900	8,600	8,600	8,600	220

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.


Main Boom Capacities – On Outriggers – 225 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
36.66	82.0	PROHIBITED	107,000	112,600	112,600	112,600	112,600	36.66
40	81.1		92,200	105,600	105,600	105,600	105,600	40
50	78.5		64,200	80,300	92,400	92,400	92,400	50
60	75.9		47,600	60,800	78,800	78,800	78,800	60
70	73.2		36,800	47,700	64,800	64,800	64,800	70
80	70.5		29,700	38,400	54,800	56,100	56,100	80
90	67.7		24,000	32,100	45,800	47,300	48,700	90
100	64.9		19,600	26,800	38,900	40,200	42,000	100
110	62.0		16,100	22,500	33,800	34,300	34,300	110
120	59.0		13,300	19,100	29,400	30,400	30,400	120
130	56.0		10,900	16,200	25,600	26,600	26,900	130
140	52.8		8,900	13,800	22,500	23,400	23,900	140
150	49.4		7,200	11,800	19,800	20,700	21,200	150
160	45.9		5,700	10,000	17,500	18,300	18,800	160
170	42.2		4,400	8,400	15,400	16,200	16,700	170
180	38.1		3,300	7,100	13,700	14,400	14,700	180
190	33.7		2,300	5,800	12,100	12,700	13,000	190
200	28.6			4,800	10,600	11,300	11,400	200
210	22.5			3,800	9,400	9,900	9,900	210
220	14.0			2,900	8,200	8,600	8,600	220

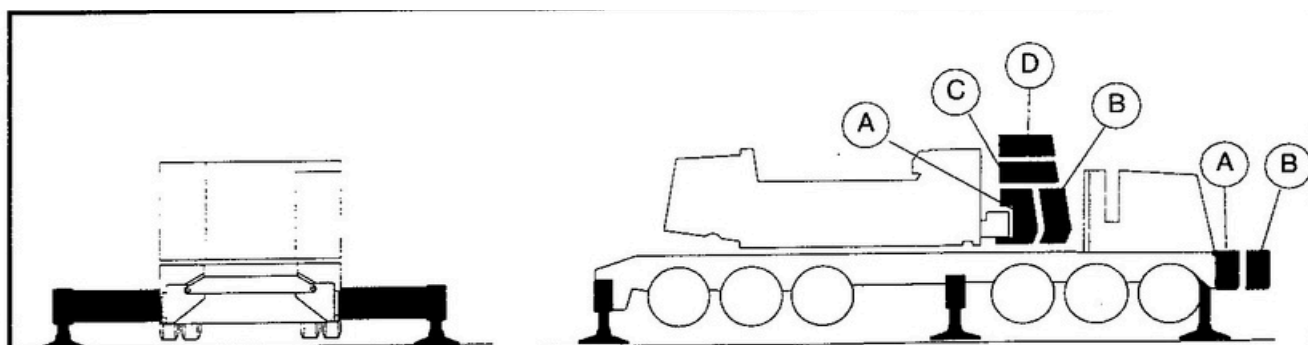
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 235 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
38.05	82.0	PROHIBITED	100,600	100,600	100,600	100,600	100,600	38.05
40	81.5		99,000	99,000	99,000	99,000	99,000	40
50	79.0		74,100	86,800	86,800	86,800	86,800	50
60	76.5		55,400	69,200	70,800	70,800	70,800	60
70	73.9		43,100	54,500	61,100	61,100	61,100	70
80	71.3		35,000	44,200	52,700	52,700	52,700	80
90	68.7		28,600	37,100	45,700	45,700	45,700	90
100	66.0		23,600	31,100	36,600	36,600	36,600	100
110	63.3		19,700	26,400	32,100	32,100	32,100	110
120	60.5		16,500	22,600	28,300	28,300	28,300	120
130	57.6		13,800	19,400	24,900	24,900	24,900	130
140	54.6		11,600	16,700	22,000	22,000	22,000	140
150	51.5		9,600	14,400	19,300	19,300	19,300	150
160	48.3		8,000	12,400	17,000	17,000	17,000	160
170	44.8		6,500	10,700	14,900	14,900	14,900	170
180	41.2		5,200	9,200	13,000	13,000	13,000	180
190	37.3		4,100	7,800	11,300	11,300	11,300	190
200	32.9		3,100	6,600	9,800	9,800	9,800	200
210	28.0		2,200	5,500	8,500	8,500	8,500	210
220	22.0			4,500	7,200	7,200	7,200	220
230	13.7			3,600	6,000	6,000	6,000	230

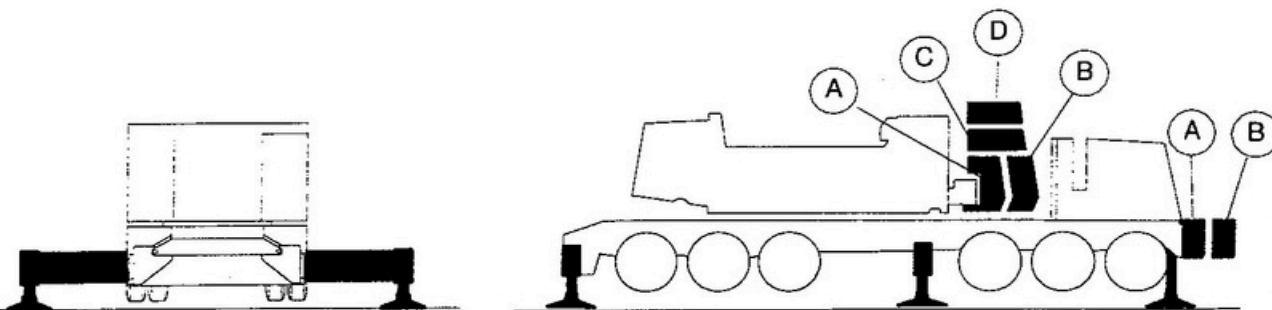
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 235 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
38.05	82.0	PROHIBITED	100,200	100,600	100,600	100,600	100,600	38.05
40	81.5		92,000	99,000	99,000	99,000	99,000	40
50	79.0		64,000	80,100	86,800	86,800	86,800	50
60	76.5		47,400	60,500	70,800	70,800	70,800	60
70	73.9		37,000	47,400	61,100	61,100	61,100	70
80	71.3		29,400	38,100	52,700	52,700	52,700	80
90	68.7		23,700	31,800	45,500	45,700	45,700	90
100	66.0		19,300	26,400	36,600	36,600	36,600	100
110	63.3		15,800	22,200	32,100	32,100	32,100	110
120	60.5		12,900	18,800	28,300	28,300	28,300	120
130	57.6		10,600	15,900	24,900	24,900	24,900	130
140	54.6		8,600	13,500	22,000	22,000	22,000	140
150	51.5		6,900	11,400	19,300	19,300	19,300	150
160	48.3		5,400	9,600	17,000	17,000	17,000	160
170	44.8		4,100	8,100	14,900	14,900	14,900	170
180	41.2		3,000	6,700	13,000	13,000	13,000	180
190	37.3			5,500	11,300	11,300	11,300	190
200	32.9			4,400	9,800	9,800	9,800	200
210	28.0			3,400	8,500	8,500	8,500	210
220	22.0			2,500	7,200	7,200	7,200	220
230	13.7				6,000	6,000	6,000	230

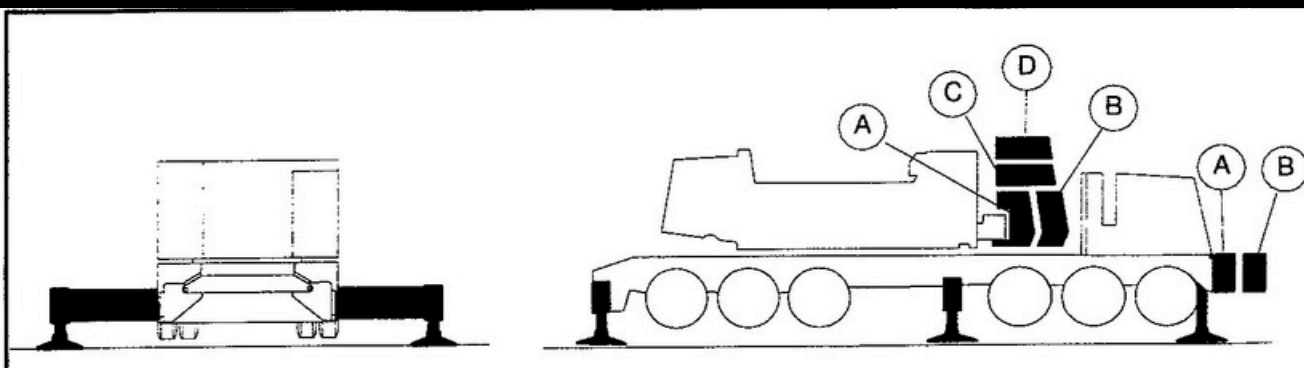
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 245 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		Over Rear						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
39.44	82.0	PROHIBITED		90,700	90,700	90,700	90,700	39.44
40	81.9			90,700	90,700	90,700	90,700	40
50	79.5			81,400	81,400	81,400	81,400	50
60	77.1			66,600	66,600	66,600	66,600	60
70	74.6			54,200	57,300	57,300	57,300	70
80	72.1			43,900	49,400	49,400	49,400	80
90	69.6			36,700	43,000	43,000	43,000	90
100	67.1			30,800	34,100	34,100	34,100	100
110	64.5			26,100	29,700	29,700	29,700	110
120	61.8			22,300	26,000	26,000	26,000	120
130	59.1			19,100	22,700	22,700	22,700	130
140	56.3			16,400	19,900	19,900	19,900	140
150	53.4			14,100	17,400	17,400	17,400	150
160	50.4			12,100	15,200	15,200	15,200	160
170	47.2			10,300	13,200	13,200	13,200	170
180	43.9			8,800	11,300	11,300	11,300	180
190	40.3			7,500	9,800	9,800	9,800	190
200	36.4			6,200	8,300	8,300	8,300	200
210	32.2			5,200	7,100	7,100	7,100	210
220	27.4			4,200	5,900	5,900	5,900	220
230	21.5			3,300	4,700	4,700	4,700	230
240	13.4			2,500	3,800	3,800	3,800	240

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Outriggers – 245 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Counterweight Combinations – Upper + Bumper						Load Radius (ft)
		360° Rotation						
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
39.44	82.0	PROHIBITED		90,700	90,700	90,700	90,700	39.44
40	81.9			90,700	90,700	90,700	90,700	40
50	79.5			79,800	81,400	81,400	81,400	50
60	77.1			60,200	66,600	66,600	66,600	60
70	74.6			47,100	57,300	57,300	57,300	70
80	72.1			37,800	49,400	49,400	49,400	80
90	69.6			31,400	43,000	43,000	43,000	90
100	67.1			26,100	34,100	34,100	34,100	100
110	64.5			21,900	29,700	29,700	29,700	110
120	61.8			18,400	26,000	26,000	26,000	120
130	59.1			15,600	22,700	22,700	22,700	130
140	56.3			13,100	19,900	19,900	19,900	140
150	53.4			11,100	17,400	17,400	17,400	150
160	50.4			9,300	15,200	15,200	15,200	160
170	47.2			7,700	13,200	13,200	13,200	170
180	43.9			6,400	11,300	11,300	11,300	180
190	40.3			5,100	9,800	9,800	9,800	190
200	36.4			4,000	8,300	8,300	8,300	200
210	32.2			3,100	7,100	7,100	7,100	210
220	27.4			2,200	5,900	5,900	5,900	220
230	21.5				4,700	4,700	4,700	230
240	13.4				3,800	3,800	3,800	240

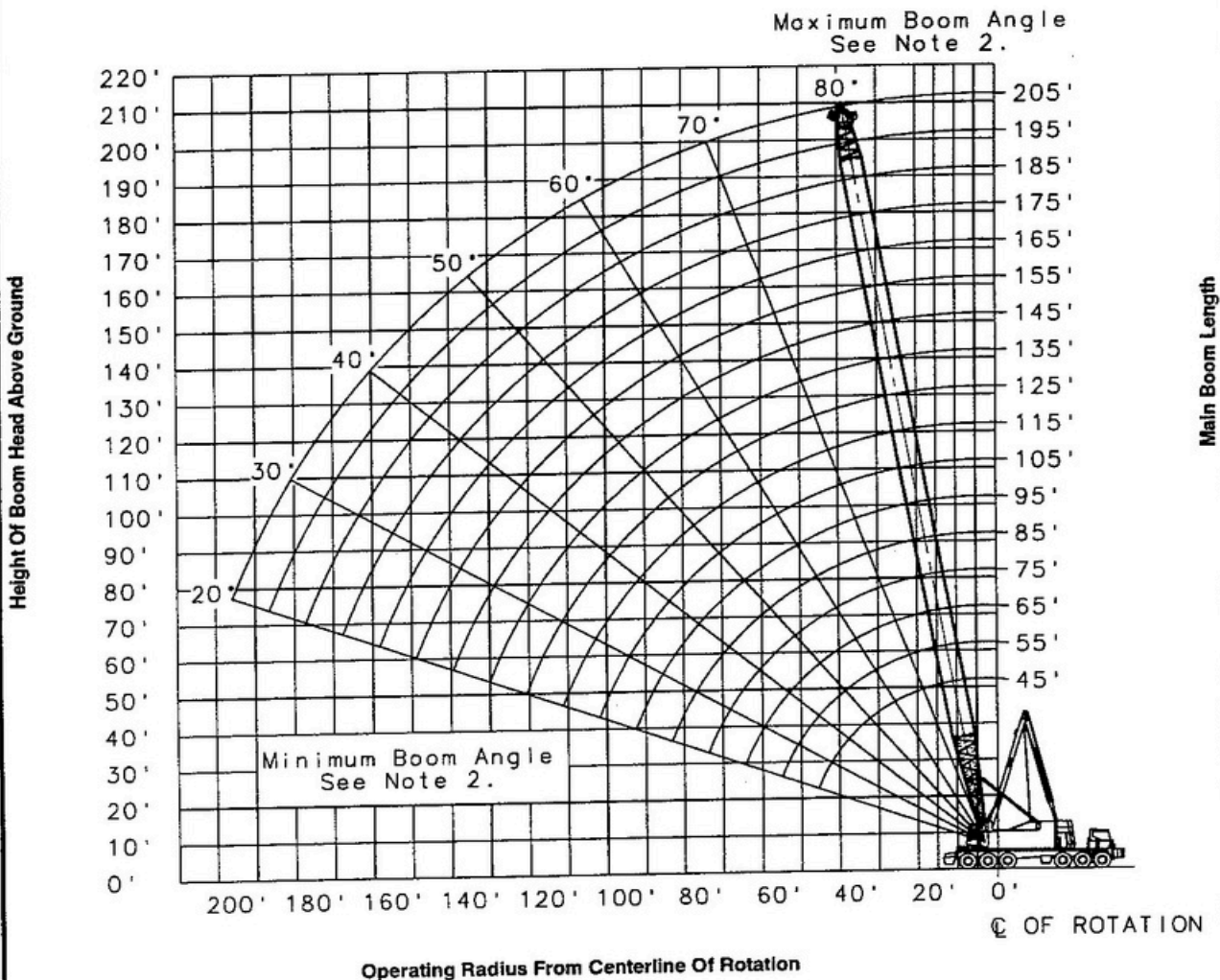
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



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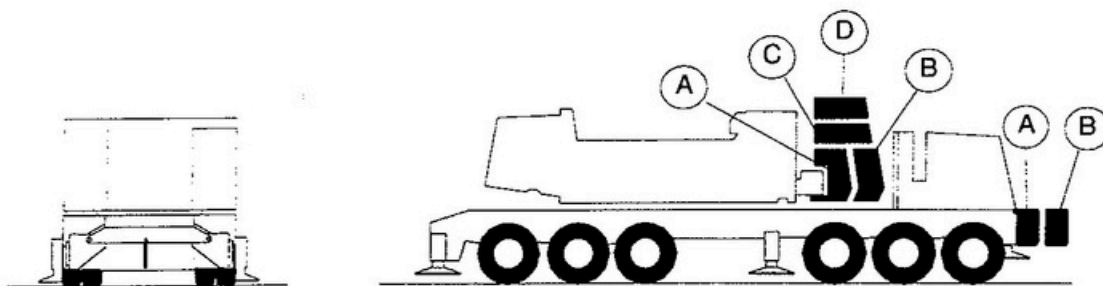
45' TO 205' MAIN BOOM ON TIRES



Notes:

1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity chart for each boom length.

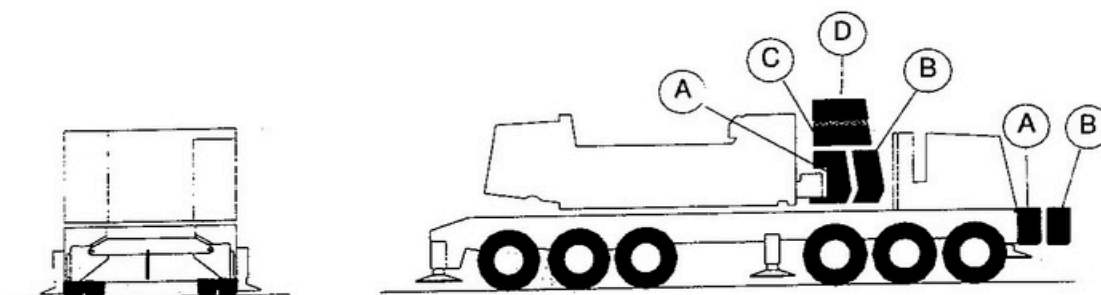
Working Range Diagram



Main Boom Capacities – On Tires – 45 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
12	81.5	92,800	138,600	142,500	137,000	PROHIBITED		12
13	80.1	83,200	124,600	138,100	132,700			13
14	78.7	75,200	113,100	133,900	128,700			14
15	77.3	68,700	103,500	129,900	124,900			15
16	75.9	63,000	95,200	124,400	121,300			16
17	74.5	58,100	88,100	115,300	117,800			17
18	73.1	53,800	81,900	107,400	114,600			18
19	71.7	50,100	76,400	100,400	111,600			19
20	70.2	46,800	71,700	94,200	108,600			20
25	62.8	34,600	53,900	71,500	95,800			25
30	54.6	26,800	42,600	57,000	80,000			30
35	45.4	21,400	34,800	46,900	66,400			35
40	34.2	17,300	28,900	39,400	56,400			40

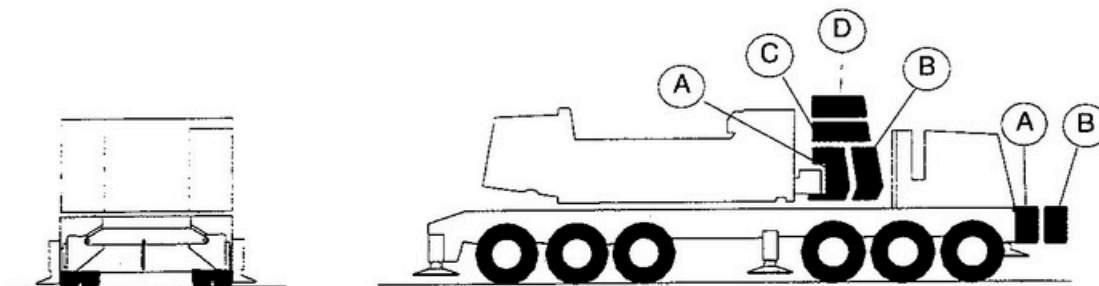
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Tires – 55 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
13	82.0	84,200	125,600	137,600	132,200	PROHIBITED		13
14	80.9	76,100	113,900	133,400	128,200			14
15	79.8	69,500	104,300	129,400	124,400			15
16	78.7	63,800	96,000	125,200	120,800			16
17	77.5	58,900	88,800	116,000	117,400			17
18	76.4	54,500	82,600	108,100	114,100			18
19	75.3	50,800	77,100	101,100	111,200			19
20	74.2	47,400	72,300	94,800	108,200			20
25	68.3	35,200	54,500	72,100	95,500			25
30	62.2	27,300	43,100	57,500	80,500			30
35	55.7	21,800	35,300	47,300	66,900			35
40	48.6	17,800	29,400	39,900	56,800			40
50	30.4	12,100	21,300	29,700	43,000			50

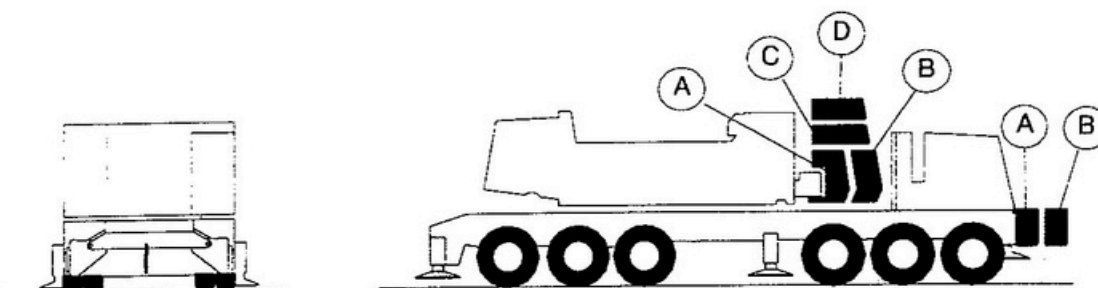
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Tires – 65 Ft Hammerhead Tube Boom

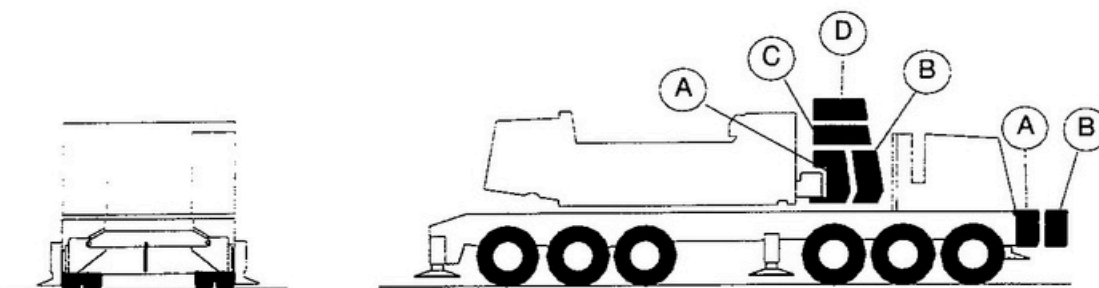
Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
14.39	82.0	73,900	110,400	131,100	126,000	PROHIBITED		14.39
15	81.4	69,900	104,600	128,700	123,700			15
16	80.5	64,100	96,300	125,000	120,100			16
17	79.6	59,100	89,100	116,200	116,700			17
18	78.6	54,800	82,800	108,300	113,500			18
19	77.7	51,000	77,300	101,300	110,600			19
20	76.8	47,600	72,600	95,000	107,600			20
25	72.0	35,400	54,600	72,200	94,900			25
30	67.0	27,500	43,200	57,600	80,600			30
35	61.9	22,000	35,400	47,400	67,000			35
40	56.4	17,900	29,600	40,000	56,900			40
50	44.1	12,300	21,500	29,900	43,100			50
60	27.6	8,600	16,200	23,100	34,100			60

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.


Main Boom Capacities – On Tires – 75 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
15.78	82.0	65,400	98,100	125,000	120,100	PROHIBITED		15.78
16	81.8	64,200	96,400	124,200	119,300			16
17	81.0	59,200	89,100	116,300	115,900			17
18	80.2	54,900	82,800	108,400	112,700			18
19	79.4	51,000	77,300	101,300	109,800			19
20	78.6	47,700	72,600	95,000	106,900			20
25	74.5	35,400	54,600	72,200	94,200			25
30	70.4	27,500	43,100	57,500	80,500			30
35	66.1	21,900	35,400	47,400	66,900			35
40	61.6	17,900	29,500	39,900	56,900			40
50	52.0	12,300	21,500	29,800	43,100			50
60	40.7	8,600	16,200	23,100	34,100			60
70	25.5	5,900	12,400	18,300	27,700			70

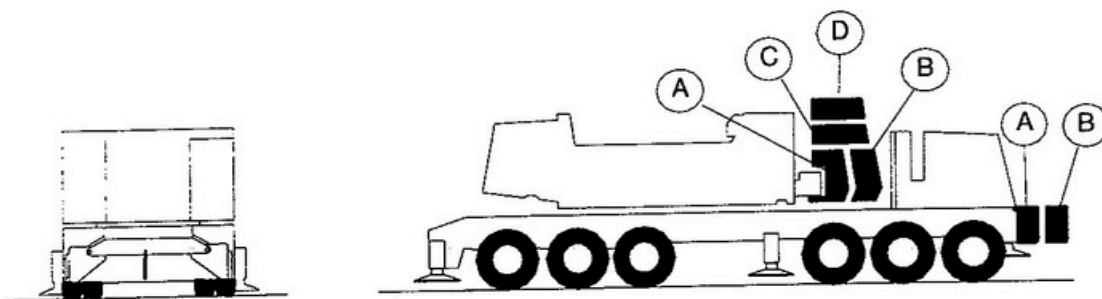
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Tires – 85 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
17.17	82.0	58,400	87,900	114,700	114,500	PROHIBITED		17.17
18	81.4	54,800	82,800	108,300	112,100			18
19	80.7	51,000	77,200	101,200	109,000			19
20	80.0	47,600	72,500	94,900	106,100			20
25	76.5	35,300	54,500	72,100	93,500			25
30	72.8	27,300	43,000	57,400	80,300			30
35	69.1	21,800	35,200	47,200	66,800			35
40	65.3	17,700	29,400	39,700	56,700			40
50	57.3	12,200	21,300	29,700	42,900			50
60	48.4	8,500	16,100	23,000	34,000			60
70	38.0	5,900	12,300	18,200	27,600			70
80	23.7	3,800	9,500	14,600	22,800			80

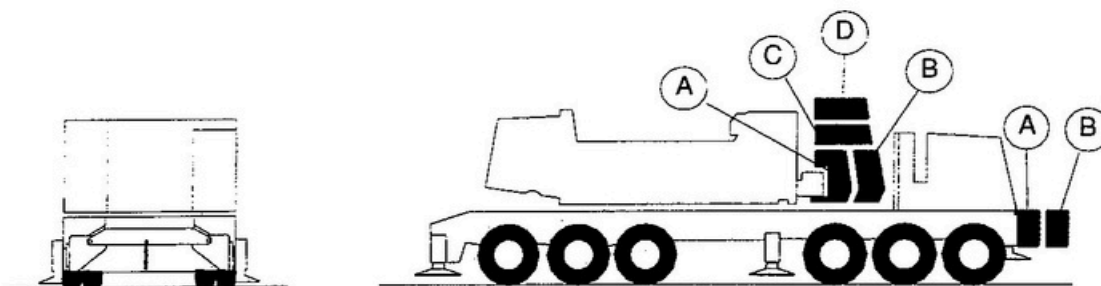
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Tires – 95 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
18.56	82.0	52,600	79,500	104,200	109,700	112,000	PROHIBITED	18.56
19	81.7	51,000	77,200	101,200	108,400	110,900		19
20	81.1	47,600	72,500	94,900	105,500	107,900		20
25	77.9	35,300	54,400	72,000	92,900	95,100		25
30	74.7	27,300	42,900	57,300	80,200	84,700		30
35	71.5	21,700	35,100	47,100	66,700	75,100		35
40	68.2	17,700	29,300	39,600	56,600	64,100		40
50	61.3	12,100	21,300	29,600	42,800	48,700		50
60	53.8	8,400	16,000	22,900	33,900	38,600		60
70	45.5	5,800	12,300	18,100	27,500	31,700		70
80	35.7	3,800	9,500	14,600	22,800	26,400	PROHIBITED	80
90	22.3	2,300	7,300	11,800	19,000	22,200		90

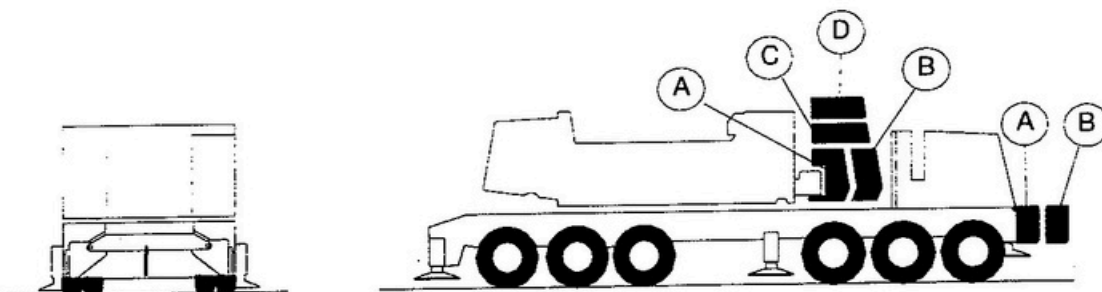
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Tires – 105 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+A B	
19.95	82.0	47,600	72,600	95,100	105,000	107,400	PROHIBITED	19.95
25	79.1	35,200	54,300	71,900	92,300	94,500		25
30	76.3	27,200	42,800	57,200	80,000	84,100		30
35	73.4	21,600	35,000	47,000	66,500	74,900		35
40	70.4	17,500	29,200	39,500	56,400	63,900		40
50	64.3	11,900	21,100	29,400	42,600	48,500		50
60	57.9	8,300	15,800	22,700	33,800	38,500		60
70	50.9	5,700	12,100	18,000	27,400	31,600		70
80	43.1	3,700	9,300	14,500	22,700	26,300		80
90	33.8	2,200	7,200	11,700	19,000	22,200		90
100	21.1		5,400	9,500	16,000	18,900		100

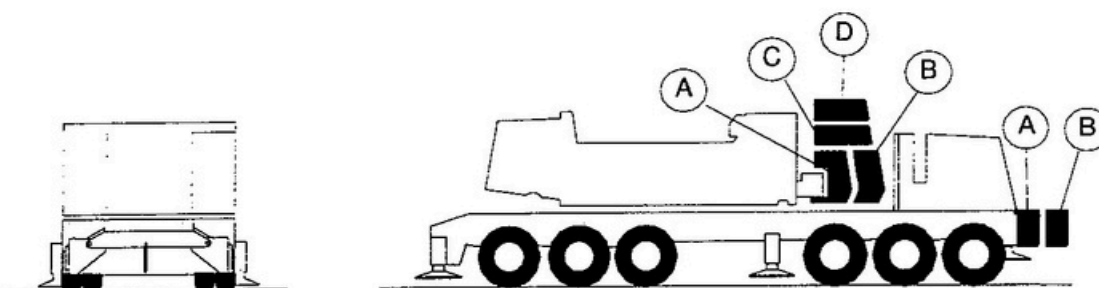
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Tires – 115 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
21.35	82.0	PROHIBITED	66,500	87,200	100,500	102,900	PROHIBITED	21.35
25	80.1		54,200	71,800	91,700	93,800		25
30	77.5		42,600	57,000	79,800	83,500		30
35	74.9		34,900	46,800	66,300	74,700		35
40	72.2		29,000	39,300	56,200	63,700		40
50	66.8		20,900	29,300	42,400	48,300		50
60	61.0		15,700	22,600	33,600	38,200		60
70	55.0		11,900	17,800	27,200	31,400		70
80	48.4		9,200	14,300	22,500	26,100		80
90	41.0		7,000	11,500	18,800	22,000		90
100	32.2		5,300	9,400	15,900	18,800		100
110	20.1		3,800	7,500	13,400	16,100		110

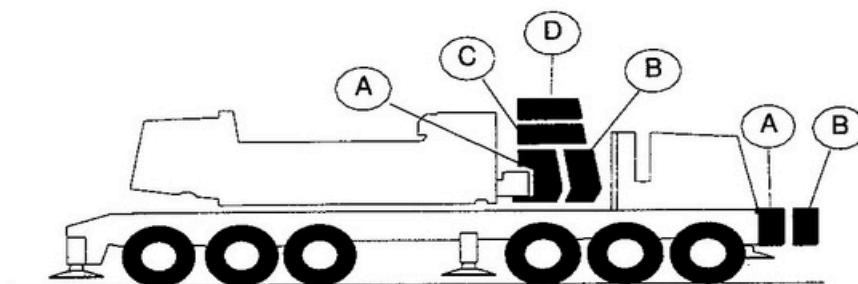
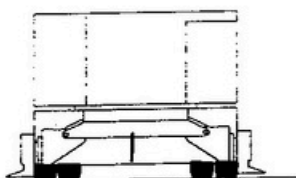
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Tires – 125 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
22.74	82.0	PROHIBITED	61,100	80,400	96,300	98,600	PROHIBITED	22.74
25	80.9		54,000	71,600	91,000	93,200		25
30	78.6		42,400	56,800	79,600	82,900		30
35	76.1		34,700	46,600	66,100	74,400		35
40	73.7		28,800	39,100	56,000	63,500		40
50	68.8		20,700	29,100	42,200	48,100		50
60	63.6		15,400	22,300	33,400	38,000		60
70	58.2		11,700	17,600	27,000	31,200		70
80	52.5		9,000	14,100	22,300	25,900		80
90	46.2		6,800	11,300	18,600	21,800		90
100	39.2		5,100	9,200	15,700	18,600		100
110	30.8		3,700	7,400	13,300	15,900		110
120	19.2		2,500	5,900	11,300	13,700		120

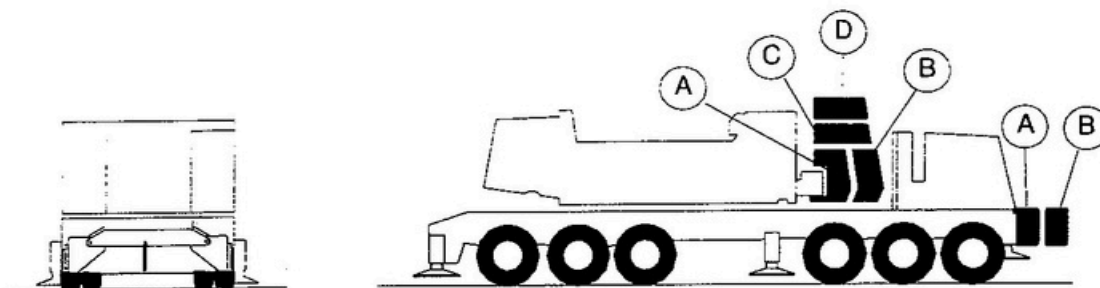
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Tires – 135 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
24.13	82.0	PROHIBITED	56,300	74,300	92,300	94,500	97,800	24.13
25	81.6		53,800	71,400	90,300	92,500	95,700	25
30	79.4		42,200	56,600	79,400	82,200	85,100	30
35	77.2		34,500	46,300	65,900	74,100	76,400	35
40	75.0		28,600	38,800	55,800	63,200	69,400	40
50	70.4		20,500	28,800	41,900	47,800	56,000	50
60	65.8		15,200	22,100	33,200	37,700	44,500	60
70	60.9		11,500	17,400	26,800	30,900	36,700	70
80	55.7		8,700	13,800	22,000	25,700	30,700	80
90	50.3		6,600	11,100	18,400	21,600	26,000	90
100	44.3		4,900	8,900	15,500	18,300	22,300	100
110	37.6		3,500	7,200	13,100	15,700	19,300	110
120	29.5		2,300	5,700	11,100	13,500	16,800	120
130	18.4			4,400	9,400	11,600	14,600	130

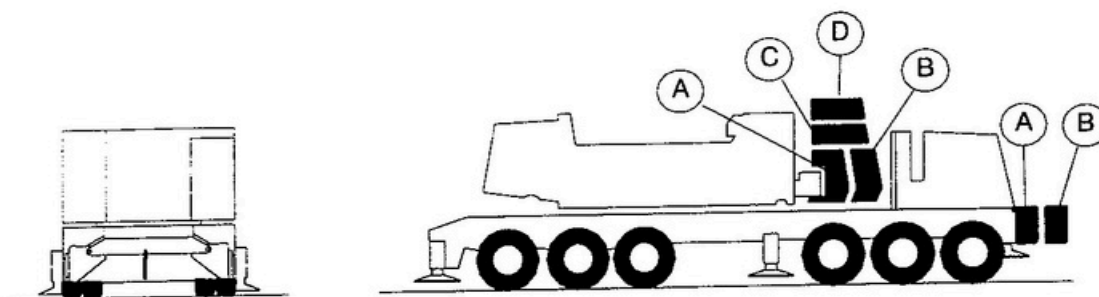
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Tires – 145 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+A B	
25.52	82.0	PROHIBITED		69,300	88,500	90,700	93,800	25.52
30	80.2			56,300	79,100	81,600	84,500	30
35	78.1			46,100	65,600	73,500	75,800	35
40	76.1			38,600	55,500	63,000	68,800	40
50	71.9			28,600	41,600	47,500	55,700	50
60	67.6			21,800	32,900	37,500	44,200	60
70	63.1			17,100	26,500	30,700	36,400	70
80	58.5			13,600	21,800	25,400	30,400	80
90	53.6			10,800	18,100	21,300	25,800	90
100	48.3			8,700	15,200	18,100	22,100	100
110	42.6			6,900	12,800	15,400	19,000	110
120	36.1			5,400	10,800	13,200	16,500	120
130	28.4			4,200	9,200	11,400	14,400	130
140	17.7			3,100	7,700	9,700	12,600	140

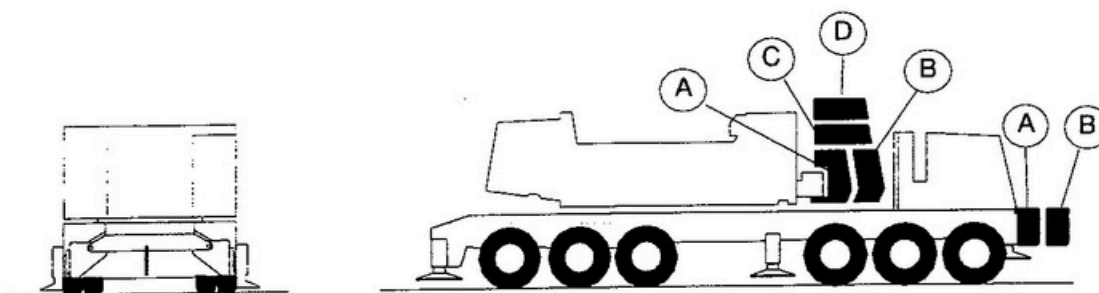
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Tires – 155 Ft Hammerhead Tube Boom

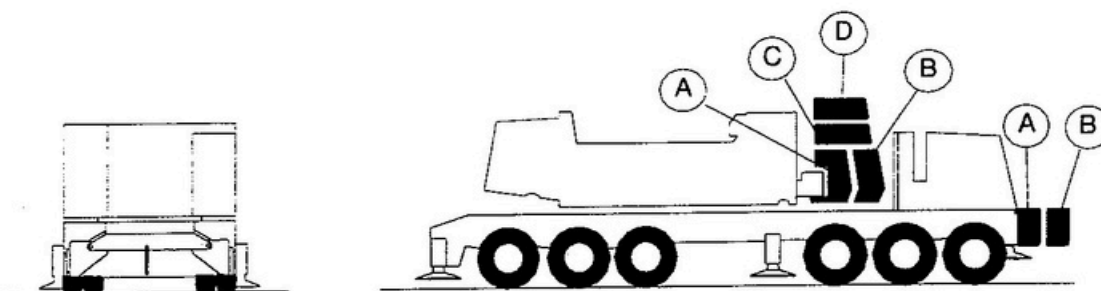
Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
26.91	82.0	PROHIBITED		64,500	84,900	87,000	90,100	26.91
30	80.8			56,100	78,800	80,900	83,800	30
35	78.9			45,800	65,400	72,800	75,100	35
40	77.0			38,300	55,200	62,700	68,200	40
50	73.1			28,300	41,300	47,300	55,400	50
60	69.1			21,600	32,600	37,200	43,900	60
70	65.0			16,800	26,200	30,400	36,100	70
80	60.8			13,300	21,500	25,100	30,100	80
90	56.3			10,600	17,800	21,000	25,500	90
100	51.6			8,400	14,900	17,800	21,800	100
110	46.6			6,600	12,500	15,200	18,800	110
120	41.1			5,200	10,600	13,000	16,300	120
130	34.9			3,900	8,900	11,100	14,100	130
140	27.4			2,800	7,500	9,500	12,300	140
150	17.1				6,200	8,100	10,700	150

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.

**Main Boom Capacities – On Tires – 165 Ft Hammerhead Tube Boom**

Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
28.3	82.0	PROHIBITED		60,200	81,400	83,500	86,500	28.3
30	81.4			55,800	78,300	80,200	83,200	30
35	79.6			45,600	65,100	72,200	74,500	35
40	77.8			38,000	55,000	62,400	67,600	40
50	74.2			28,000	41,100	47,000	55,100	50
60	70.5			21,300	32,400	36,900	43,600	60
70	66.7			16,500	26,000	30,100	35,900	70
80	62.7			13,000	21,200	24,800	29,800	80
90	58.7			10,300	17,600	20,800	25,200	90
100	54.4			8,100	14,600	17,500	21,500	100
110	49.9			6,300	12,300	14,900	18,500	110
120	45.0			4,900	10,300	12,700	16,000	120
130	39.7			3,600	8,600	10,800	13,900	130
140	33.7			2,600	7,200	9,200	12,100	140
150	26.5				6,000	7,900	10,500	150
160	16.5				4,900	6,600	9,100	160

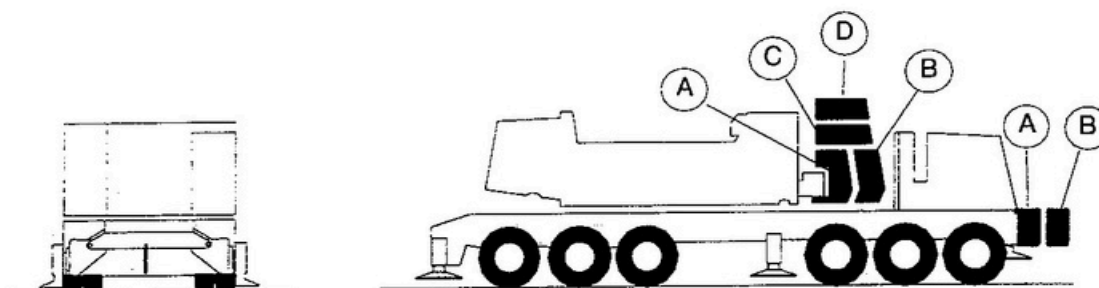
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Tires – 175 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph					Load Radius (ft)	
		0+0	A+0	AB+0	ABCD+0	ABCD+A		ABCD+AB
29.7	82.0	PROHIBITED			78,200	80,100	83,100	29.7
30	81.9				77,600	79,600	82,500	30
35	80.2				64,800	71,600	74,200	35
40	78.5				54,700	62,100	67,000	40
50	75.1				40,700	46,700	54,800	50
60	71.6				32,100	36,900	43,300	60
70	68.1				25,700	29,800	35,600	70
80	64.4				20,900	24,500	29,500	80
90	60.7				17,300	20,500	24,900	90
100	56.8				14,300	17,200	21,200	100
110	52.7				12,000	14,600	18,200	110
120	48.3				10,000	12,400	15,700	120
130	43.6				8,300	10,500	13,600	130
140	38.5				6,900	8,900	11,800	140
150	32.7				5,700	7,600	10,200	150
160	25.7				4,600	6,400	8,800	160
170	16.0				3,600	5,300	7,600	170

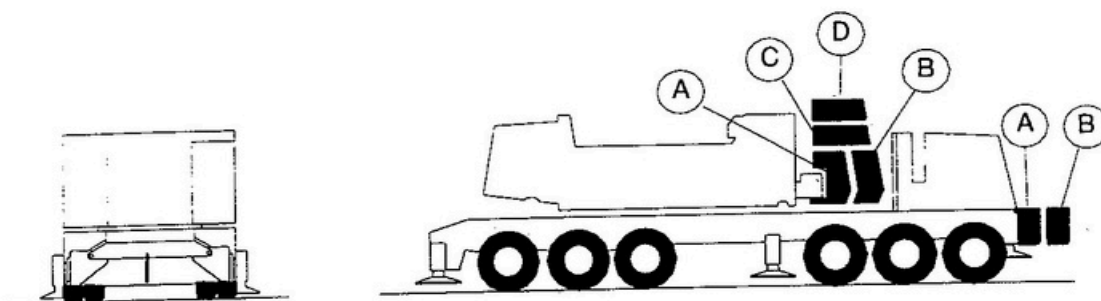
Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Tires – 185 Ft Hammerhead Tube Boom

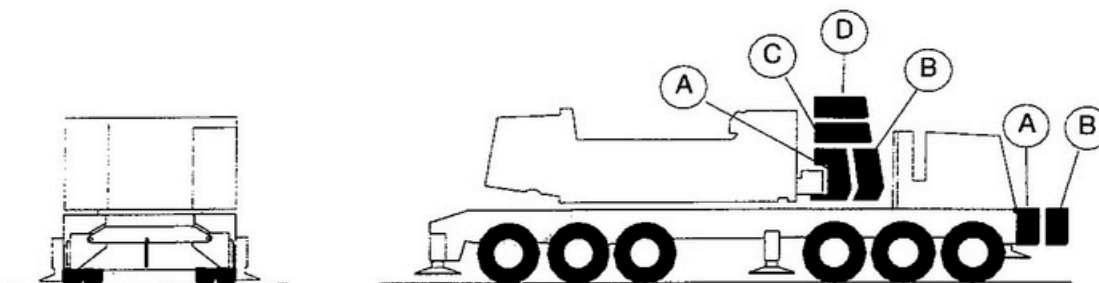
Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
31.09	82.0	PROHIBITED			74,600	76,900	79,800	31.09
35	80.8				64,500	70,900	73,600	35
40	79.2				54,400	61,900	66,400	40
50	75.9				40,400	46,300	54,500	50
60	72.7				31,800	36,700	43,000	60
70	69.3				25,400	29,500	35,300	70
80	65.9				20,600	24,200	29,200	80
90	62.4				16,900	20,200	24,600	90
100	58.8				14,000	16,900	20,900	100
110	55.0				11,700	14,300	17,900	110
120	51.1				9,700	12,100	15,400	120
130	46.9				8,000	10,200	13,300	130
140	42.3				6,600	8,600	11,500	140
150	37.4				5,400	7,300	9,900	150
160	31.7				4,300	6,100	8,500	160
170	24.9				3,300	5,000	7,300	170
180	15.5				2,500	4,100	6,300	180

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.

**Main Boom Capacities – On Tires – 195 Ft Hammerhead Tube Boom**

Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
32.48	82.0	PROHIBITED			70,700	73,900	76,600	32.48
35	81.2				64,300	70,300	73,000	35
40	79.7				54,100	61,600	65,700	40
50	76.7				40,100	46,000	54,200	50
60	73.6				31,500	36,400	42,700	60
70	70.5				25,100	29,200	35,000	70
80	67.3				20,300	23,900	28,900	80
90	64.0				16,600	19,800	24,300	90
100	60.6				13,700	16,600	20,600	100
110	57.1				11,300	14,000	17,600	110
120	53.5				9,400	11,800	15,100	120
130	49.6				7,700	9,900	12,900	130
140	45.5				6,300	8,300	11,100	140
150	41.2				5,100	7,000	9,600	150
160	36.3				4,000	5,800	8,200	160
170	30.8				3,000	4,700	7,000	170
180	24.3				2,200	3,800	6,000	180
190	15.1					2,900	5,000	190

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.



Main Boom Capacities – On Tires – 205 Ft Hammerhead Tube Boom

Load Radius (ft)	Boom Angle (deg)	Straight Over The Rear – 1 mph						Load Radius (ft)
		0+0	A+0	AB+0	ABCD+0	ABCD+A	ABCD+AB	
33.87	82.0	PROHIBITED			66,700	71,400	74,100	33.87
35	81.7				64,000	69,700	72,300	35
40	80.2				53,800	61,200	65,100	40
50	77.4				39,800	45,700	53,700	50
60	74.4				31,200	36,000	42,300	60
70	71.5				24,800	28,900	34,700	70
80	68.4				20,000	23,600	28,600	80
90	65.4				16,300	19,500	24,000	90
100	62.2				13,400	16,300	20,300	100
110	58.9				11,000	13,600	17,200	110
120	55.5				9,000	11,400	14,700	120
130	52.0				7,400	9,600	12,600	130
140	48.3				6,000	8,000	10,800	140
150	44.3				4,700	6,600	9,300	150
160	40.1				3,700	5,400	7,900	160
170	35.4				2,700	4,400	6,700	170
180	30.0					3,500	5,600	180
190	23.6					2,600	4,700	190
200	14.7						3,800	200

Note: Refer To Page 12 For "Capacity Deductions" Caused By Any Attachment.