

Load Rating Chart

Model TC45159

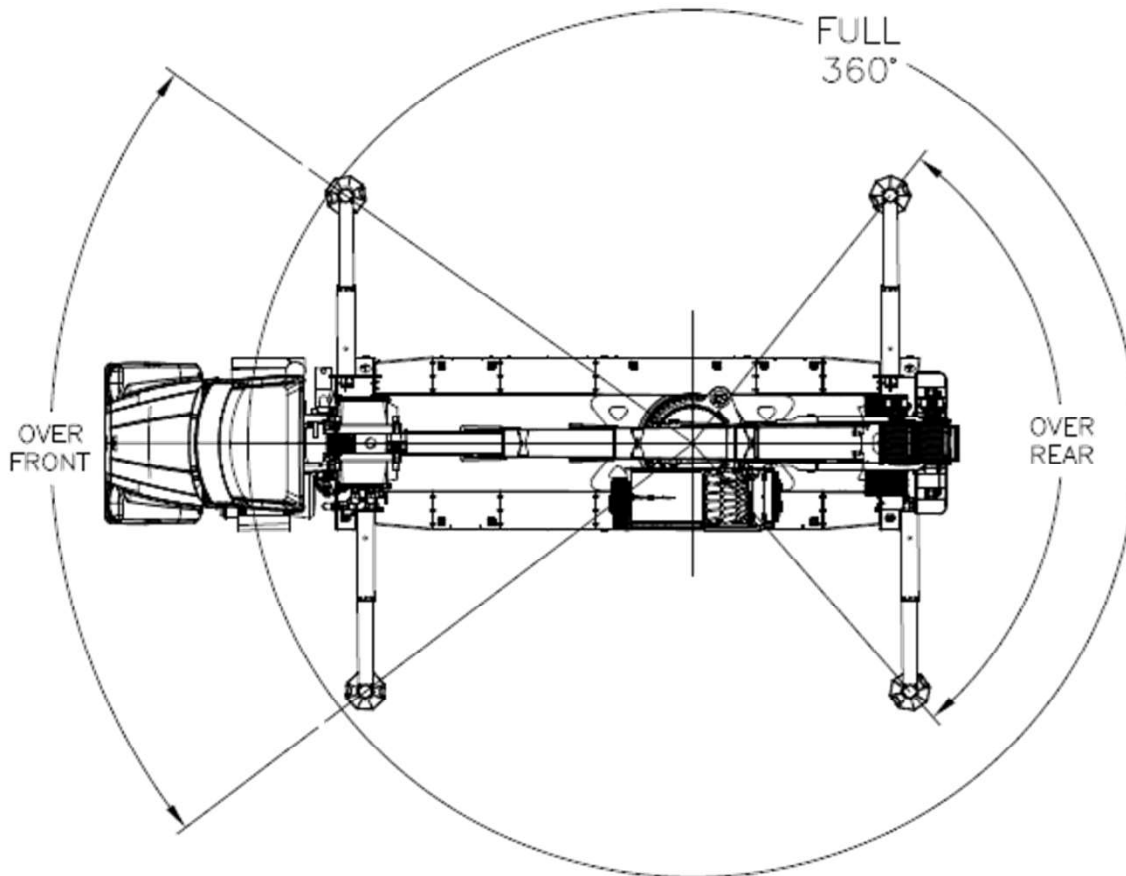


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NOTE: Additional copies of this Load Rating Chart can be purchased from your Manitex Distributor. When ordering, use the part number shown in the bottom left hand corner of this page.

ALLOWABLE LINE PULL											WARNING ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO THE OWNER'S MANUAL. KEEP AT LEAST 3 WRAPS OF LOAD LINE ON THE DRUM AT ALL TIMES.
1 PART LINE	2 PART LINE	3 PART LINE	4 PART LINE	5 PART LINE	6 PART LINE	7 PART LINE	8 PART LINE	9 PART LINE	10 PART LINE	11 PART LINE	
12000 LBS	24000 LBS	36000 LBS	48000 LBS	60000 LBS	72000 LBS	84000 LBS	96000 LBS	108000 LBS	120000 LBS	130000 LBS	

AREA OF OPERATIONS

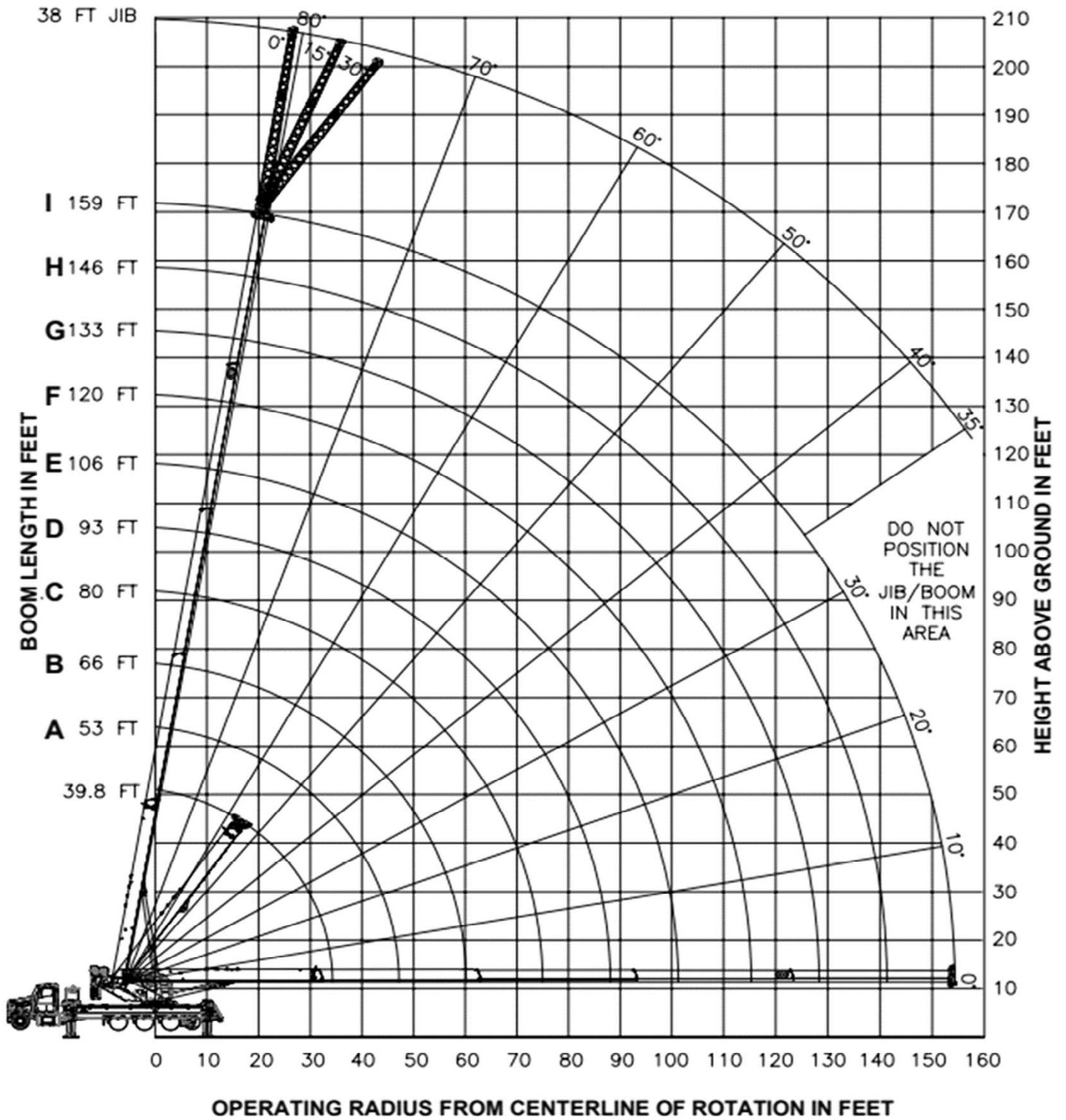


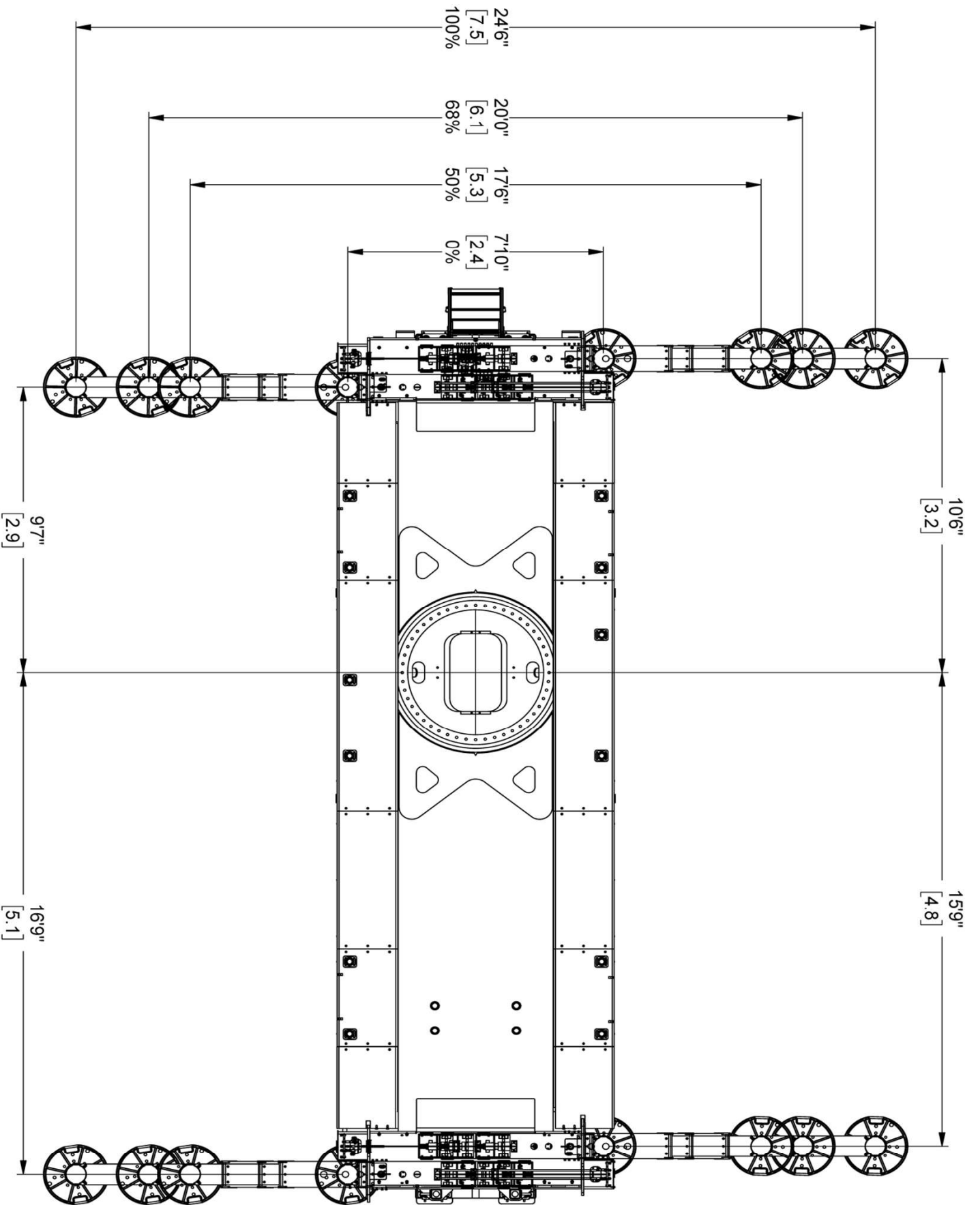
WHEN WORKING OVER THE FRONT, THE OPTIONAL FRONT BUMPER STABILIZER (IF EQUIPPED) MUST BE DEPLOYED. IF NO FRONT BUMPER STABILIZER IS EQUIPPED, THE FRONT TIRES MUST BE CONTACTING THE GROUND.

DEDUCTIONS FROM RATED LOADS FOR LOAD HANDLING DEVICES SUPPLIED BY MANITEX

AUXILIARY BLOCK-----	50 LBS
AUXILIARY (ROOSTER) SHEAVE-----	70 LBS
LIFTING FROM MAIN BOOM WITH JIB STOWED OR ERECTED-----	SEE LOAD CHART
OVERHAUL BALL-----	SEE MANUFACTURER NAMEPLATE
LOAD BLOCK-----	SEE MANUFACTURER NAMEPLATE

- RANGE DIAGRAM -

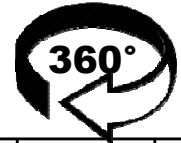
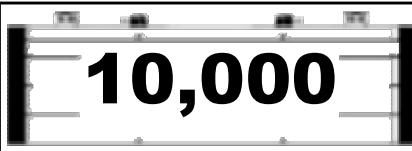




Dimensions are in feet [meters] unless otherwise specified

CODE 1

MAIN BOOM



RADIUS (FT)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	RADIUS (FT)	
LENGTH	39.8 FT		53 FT		66 FT		80 FT		93 FT		106 FT		120 FT		133 FT		146 FT		159 FT			
6	73°	90000	78°	58000																		6
8	70°	90000	76°	58000	79°	58000																8
10	67°	90000	73°	58000	77°	58000	80°	58000														10
12	64°	90000	71°	58000	75°	58000	78°	57900	80°	46400												12
15	59°	82800	68°	58000	73°	58000	76°	52300	79°	42400	80°	33500										15
20	50°	65100	61°	58000	68°	54000	72°	45000	75°	36800	78°	29320	80°	24490								20
25	40°	50200	55°	51000	63°	46500	69°	39000	72°	32300	75°	25820	77°	22030	79°	19070	81°	13000				25
30	26°	40000	48°	41000	58°	40500	65°	34400	69°	28560	72°	23200	75°	19670	77°	17290	79°	13000	81°	9450		30
35			40°	33700	53°	34300	61°	30500	66°	25390	69°	20660	73°	17630	75°	15630	77°	13000	79°	9500		35
40			31°	TC65159	47°	28110	56°	27250	62°	22930	66°	18500	70°	15830	73°	14190	75°	12500	77°	9500		40
45			17°	21670	40°	22460	52°	23030	58°	20640	63°	16680	67°	14300	71°	12870	73°	11600	75°	9500		45
50					33°	18280	47°	18830	55°	18740	60°	15090	65°	13020	68°	11930	71°	10620	73°	9000		50
55					24°	15050	42°	15600	51°	16010	57°	13690	62°	12020	66°	10840	69°	9720	71°	8450		55
60					5°	12370	36°	13040	47°	13430	54°	12460	59°	10940	63°	9880	67°	8880	70°	7780		60
65							29°	10940	42°	11330	50°	11570	56°	9960	61°	9030	64°	8130	68°	7140		65
70							20°	9180	37°	9590	46°	9900	53°	9100	58°	8250	62°	7430	65°	6560		70
75									31°	8110	42°	8420	50°	8300	55°	7530	60°	6780	63°	6010		75
80									24°	6840	38°	7150	47°	7450	53°	6870	57°	6190	61°	5500		80
85									14°	5700	33°	6050	43°	6340	50°	6280	55°	5670	59°	5020		85
90											27°	5080	39°	5380	47°	5630	52°	5160	57°	4560		90
95											20°	4210	35°	4520	44°	4760	50°	4690	54°	4150		95
100													30°	3750	40°	3990	47°	4230	52°	3760		100
105													25°	3050	36°	3300	44°	3530	50°	3400		105
110													17°	2400	32°	2680	41°	2900	47°	3050		110
115															27°	2100	37°	2320	44°	2530		115
120															22°	1560	34°	1800	41°	2000		120
125															13°	1040	29°	1320	38°	1520		125
130																	25°	860	35°	1070		130
135																						135
140																						140
	0°	25400	0°	18000	0°	12150	0°	6950	0°	5000	0°	2800	0°	1550								
STOWED		910		650		510		420		350		310		270		240		220		200		
ERECTED		2440		2220		2100		2010		1960		1920		1890		1860		1850		1830		

DEDUCTIONS FOR JIB FROM MAIN BOOM CAPACITIES

CODE 10

MAIN BOOM

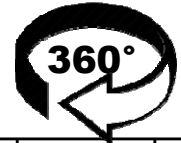
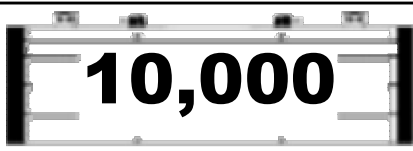


RADIUS (FT)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	RADIUS (FT)	
LENGTH	39.8 FT		53 FT		66 FT		80 FT		93 FT		106 FT		120 FT		133 FT		146 FT		159 FT			
6	73°	90000	78°	58000																		6
8	70°	90000	76°	58000	79°	58000																8
10	67°	90000	73°	58000	77°	58000	80°	58000														10
12	64°	90000	71°	58000	75°	58000	78°	57900	80°	46400												12
15	59°	82800	68°	58000	73°	58000	76°	52300	79°	42400	80°	33500										15
20	50°	65100	61°	58000	68°	54000	72°	45000	75°	36800	78°	29320	80°	24490								20
25	40°	50200	55°	51000	63°	46500	69°	39000	72°	32300	75°	25820	77°	22030	79°	19070	81°	13000				25
30	26°	40000	48°	41000	58°	40500	65°	34400	69°	28560	72°	23200	75°	19670	77°	17290	79°	13000	81°	9450		30
35			40°	33700	53°	34200	61°	30500	66°	25390	69°	20660	73°	17630	75°	15630	77°	13000	79°	9500		35
40			31°	TC65159	47°	28780	56°	27250	62°	22930	66°	18500	70°	15830	73°	14190	75°	12500	77°	9500		40
45			17°	23840	40°	24460	52°	24510	58°	20640	63°	16680	67°	14300	71°	12870	73°	11600	75°	9500		45
50					33°	20980	47°	21420	55°	18740	60°	15090	65°	13020	68°	11930	71°	10620	73°	9000		50
55					24°	17660	42°	18160	51°	17030	57°	13690	62°	12020	66°	10840	69°	9720	71°	8450		55
60					5°	12810	36°	15450	47°	15540	54°	12460	59°	10940	63°	9880	67°	8880	70°	7780		60
65							29°	13220	42°	13570	50°	11570	56°	9960	61°	9030	64°	8130	68°	7140		65
70							20°	11320	37°	11700	46°	10590	53°	9100	58°	8250	62°	7430	65°	6560		70
75									31°	10110	42°	9700	50°	8300	55°	7530	60°	6780	63°	6010		75
80									24°	8720	38°	8890	47°	7580	53°	6870	57°	6190	61°	5500		80
85									14°	7480	33°	7820	43°	6940	50°	6280	55°	5670	59°	5020		85
90											27°	6760	39°	6350	47°	5720	52°	5160	57°	4560		90
95											20°	5800	35°	5790	44°	5200	50°	4690	54°	4150		95
100													30°	5260	40°	4740	47°	4250	52°	3760		100
105													25°	4490	36°	4300	44°	3840	50°	3400		105
110													17°	3780	32°	3900	41°	3460	47°	3050		110
115															27°	3410	37°	3100	44°	2720		115
120															22°	2810	34°	2770	41°	2410		120
125															13°	2240	29°	2460	38°	2110		125
130																	25°	2010	35°	1820		130
135																	18°	1520	31°	1540		135
140																	3°	970	27°	1280		140
145																			22°	900		145
	0°	25350	0°	19200	0°	12600	0°	7200	0°	5900	0°	2600	0°	1650	0°	1250	0°	900				
STOWED		910		650		510		420		350		310		270		240		220		200		
ERECTED		2440		2220		2100		2010		1960		1920		1890		1860		1850		1830		

DEDUCTIONS FOR JIB FROM MAIN BOOM CAPACITIES

CODE 19

MAIN BOOM

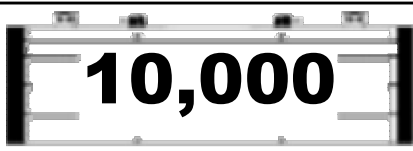


RADIUS (FT)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	RADIUS (FT)	
LENGTH	39.8 FT		53 FT		66 FT		80 FT		93 FT		106 FT		120 FT		133 FT		146 FT		159 FT			
6	73°	90000	78°	58000																		6
8	70°	90000	76°	58000	79°	58000																8
10	67°	90000	73°	58000	77°	58000	80°	58000														10
12	64°	90000	71°	58000	75°	58000	78°	57900	80°	46400												12
15	59°	82800	68°	58000	73°	58000	76°	52300	79°	42400	80°	33500										15
20	50°	65100	61°	58000	68°	54000	72°	45000	75°	36800	78°	29320	80°	24490								20
25	40°	47600	55°	48800	63°	46500	69°	39000	72°	32300	75°	25820	77°	22030	79°	19070	81°	13000				25
30	26°	33100	48°	34300	58°	35100	65°	34400	69°	28560	72°	23200	75°	19670	77°	17290	79°	13000	81°	9450		30
35			40°	25630	53°	26310	61°	26910	66°	25390	69°	20660	73°	17630	75°	15630	77°	13000	79°	9500		35
40			31°	TC65159	47°	20440	56°	20980	62°	21410	66°	18500	70°	15830	73°	14190	75°	12500	77°	9500		40
45			17°	15520	40°	16230	52°	16740	58°	17140	63°	16680	67°	14300	71°	12870	73°	11600	75°	9500		45
50					33°	13050	47°	13550	55°	13940	60°	14270	65°	13020	68°	11930	71°	10620	73°	9000		50
55					24°	10560	42°	11060	51°	11430	57°	11740	62°	12020	66°	10840	69°	9720	71°	8450		55
60					5°	8440	36°	9060	47°	9410	54°	9710	59°	10050	63°	9880	67°	8880	70°	7780		60
65							29°	7400	42°	7760	50°	8040	56°	8360	61°	8680	64°	8130	68°	7140		65
70							20°	6000	37°	6370	46°	6660	53°	6950	58°	7250	62°	7430	65°	6560		70
75									31°	5190	42°	5470	50°	5760	55°	6030	60°	6320	63°	6010		75
80									24°	4150	38°	4450	47°	4720	53°	4990	57°	5260	61°	5500		80
85									14°	3220	33°	3550	43°	3830	50°	4080	55°	4330	59°	4600		85
90											27°	2760	39°	3050	47°	3280	52°	3520	57°	3760		90
95											20°	2040	35°	2340	44°	2570	50°	2800	54°	3030		95
100													30°	1700	40°	1930	47°	2160	52°	2380		100
105													25°	1120	36°	1360	44°	1580	50°	1790		105
110															32°	840	41°	1050	47°	1260		110
115																			44°	770		115
120																						120
125																						125
130																						130
135																						135
140																						140
145																						145
	0°	24050	0°	14100	0°	8350	0°	4900	0°	2850	0°	1250										
STOWED		910		650		510		420		350		310		270		240		220		200		
ERECTED		2440		2220		2100		2010		1960		1920		1890		1860		1850		1830		

DEDUCTIONS FOR JIB FROM MAIN BOOM CAPACITIES

CODE 28

MAIN BOOM

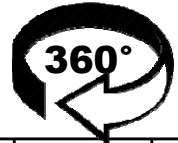


RADIUS (FT)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	RADIUS (FT)	
LENGTH	39.8 FT		53 FT		66 FT		80 FT		93 FT		106 FT		120 FT		133 FT		146 FT		159 FT			
6	73°	90000	78°	58000																		6
8	70°	90000	76°	58000	79°	58000																8
10	67°	90000	73°	58000	77°	58000	80°	58000														10
12	64°	90000	71°	58000	75°	58000	78°	57900	80°	46400												12
15	59°	82800	68°	58000	73°	58000	76°	52300	79°	42400	80°	33500										15
20	50°	65100	61°	58000	68°	54000	72°	45000	75°	36800	78°	29320	80°	24490								20
25	40°	50200	55°	51000	63°	46500	69°	39000	72°	32300	75°	25820	77°	22030	79°	19070	81°	13000				25
30	26°	40000	48°	41000	58°	40500	65°	34400	69°	28560	72°	23200	75°	19670	77°	17290	79°	13000	81°	9450		30
35			40°	33700	53°	34200	61°	30500	66°	25390	69°	20660	73°	17630	75°	15630	77°	13000	79°	9500		35
40			31°	TC65159	47°	28780	56°	27250	62°	22930	66°	18500	70°	15830	73°	14190	75°	12500	77°	9500		40
45			17°	23840	40°	24460	52°	24510	58°	20640	63°	16680	67°	14300	71°	12870	73°	11600	75°	9500		45
50					33°	20980	47°	21420	55°	18740	60°	15090	65°	13020	68°	11930	71°	10620	73°	9000		50
55					24°	17650	42°	18150	51°	17030	57°	13690	62°	12020	66°	10840	69°	9720	71°	8450		55
60					5°	12810	36°	15440	47°	15540	54°	12460	59°	10940	63°	9880	67°	8880	70°	7780		60
65							29°	13210	42°	13560	50°	11570	56°	9960	61°	9030	64°	8130	68°	7140		65
70							20°	11320	37°	11690	46°	10590	53°	9100	58°	8250	62°	7430	65°	6560		70
75									31°	10100	42°	9700	50°	8300	55°	7530	60°	6780	63°	6010		75
80									24°	8720	38°	8890	47°	7580	53°	6870	57°	6190	61°	5500		80
85									14°	7480	33°	7810	43°	6940	50°	6280	55°	5670	59°	5020		85
90											27°	6750	39°	6350	47°	5720	52°	5160	57°	4560		90
95											20°	5800	35°	5790	44°	5200	50°	4690	54°	4150		95
100													30°	5250	40°	4740	47°	4250	52°	3760		100
105													25°	4480	36°	4300	44°	3840	50°	3400		105
110													17°	3770	32°	3900	41°	3460	47°	3050		110
115															27°	3400	37°	3100	44°	2720		115
120															22°	2810	34°	2770	41°	2410		120
125															13°	2240	29°	2460	38°	2110		125
130																	25°	2000	35°	1820		130
135																	18°	1520	31°	1540		135
140																	3°	970	27°	1280		140
145																			22°	900		145
	0°	25350	0°	19200	0°	12600	0°	7200	0°	5900	0°	2600	0°	1650	0°	1250	0°	900				
STOWED		910		650		510		420		350		310		270		240		220		200		
ERECTED		2440		2220		2100		2010		1960		1920		1890		1860		1850		1830		

DEDUCTIONS FOR JIB FROM MAIN BOOM CAPACITIES

CODE 37

MAIN BOOM

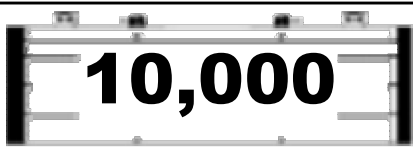


RADIUS (FT)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	RADIUS (FT)		
LENGTH	39.8 FT		53 FT		66 FT		80 FT		93 FT		106 FT		120 FT		133 FT		146 FT		159 FT		
6	73°	90000	78°	58000															6		
8	70°	90000	76°	58000	79°	58000													8		
10	67°	90000	73°	58000	77°	58000	80°	58000											10		
12	64°	90000	71°	58000	75°	58000	78°	57900	80°	46400									12		
15	59°	82800	68°	58000	73°	58000	76°	52300	79°	42400	80°	33500							15		
20	50°	59000	61°	58000	68°	54000	72°	45000	75°	36800	78°	29320	80°	24490					20		
25	40°	37800	55°	39000	63°	39800	69°	39000	72°	32300	75°	25820	77°	22030	79°	19070	81°	13000	25		
30	26°	26580	48°	27730	58°	28420	65°	29060	69°	28560	72°	23200	75°	19670	77°	17290	79°	13000	81°	9450	30
35			40°	20690	53°	21330	61°	21900	66°	22360	69°	20660	73°	17630	75°	15630	77°	13000	79°	9500	35
40			31°	TC65159	47°	16500	56°	17020	62°	17430	66°	17830	70°	15830	73°	14190	75°	12500	77°	9500	40
45			17°	12310	40°	12990	52°	13470	58°	13850	63°	14220	67°	14300	71°	12870	73°	11600	75°	9500	45
50					33°	10300	47°	10780	55°	11160	60°	11470	65°	11870	68°	11930	71°	10620	73°	9000	50
55					24°	8170	42°	8660	51°	9020	57°	9320	62°	9690	66°	10020	69°	9720	71°	8450	55
60					5°	6340	36°	6940	47°	7290	54°	7580	59°	7900	63°	8230	67°	8600	70°	7780	60
65							29°	5510	42°	5860	50°	6130	56°	6440	61°	6750	64°	7090	68°	7140	65
70							20°	4290	37°	4660	46°	4940	53°	5220	58°	5510	62°	5820	65°	6140	70
75									31°	3620	42°	3900	50°	4180	55°	4450	60°	4730	63°	5040	75
80									24°	2720	38°	3010	47°	3280	53°	3540	57°	3800	61°	4080	80
85									14°	1900	33°	2220	43°	2490	50°	2740	55°	2990	59°	3250	85
90											27°	1520	39°	1800	47°	2030	52°	2270	57°	2510	90
95											20°	890	35°	1180	44°	1400	50°	1630	54°	1860	95
100															40°	840	47°	1060	52°	1280	100
105																			50°	760	105
110																					110
115																					115
120																					120
125																					125
130																					130
135																					135
140																					140
145																					145
	0°	20750	0°	11100	0°	6250	0°	3300	0°	1550											
STOWED		910		650		510		420		350		310		270		240		220		200	
ERECTED		2440		2220		2100		2010		1960		1920		1890		1860		1850		1830	

DEDUCTIONS FOR JIB FROM MAIN BOOM CAPACITIES

CODE 46

MAIN BOOM

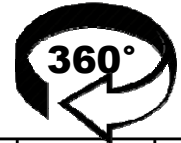


RADIUS (FT)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	RADIUS (FT)	
LENGTH	39.8 FT		53 FT		66 FT		80 FT		93 FT		106 FT		120 FT		133 FT		146 FT		159 FT			
6	73°	90000	78°	58000																		6
8	70°	90000	76°	58000	79°	58000																8
10	67°	90000	73°	58000	77°	58000	80°	58000														10
12	64°	90000	71°	58000	75°	58000	78°	57900	80°	46400												12
15	59°	82800	68°	58000	73°	58000	76°	52300	79°	42400	80°	33500										15
20	50°	65100	61°	58000	68°	54000	72°	45000	75°	36800	78°	29320	80°	24490								20
25	40°	50200	55°	51000	63°	46500	69°	39000	72°	32300	75°	25820	77°	22030	79°	19070	81°	13000				25
30	26°	40000	48°	41000	58°	40500	65°	34400	69°	28560	72°	23200	75°	19670	77°	17290	79°	13000	81°	9450		30
35			40°	33700	53°	34200	61°	30500	66°	25390	69°	20660	73°	17630	75°	15630	77°	13000	79°	9500		35
40			31°	TC65159	47°	28780	56°	27250	62°	22930	66°	18500	70°	15830	73°	14190	75°	12500	77°	9500		40
45			17°	23840	40°	24460	52°	24510	58°	20640	63°	16680	67°	14300	71°	12870	73°	11600	75°	9500		45
50					33°	20980	47°	21420	55°	18740	60°	15090	65°	13020	68°	11930	71°	10620	73°	9000		50
55					24°	17640	42°	18140	51°	17030	57°	13690	62°	12020	66°	10840	69°	9720	71°	8450		55
60					5°	12810	36°	15430	47°	15540	54°	12460	59°	10940	63°	9880	67°	8880	70°	7780		60
65							29°	13200	42°	13560	50°	11570	56°	9960	61°	9030	64°	8130	68°	7140		65
70							20°	11310	37°	11690	46°	10590	53°	9100	58°	8250	62°	7430	65°	6560		70
75									31°	10090	42°	9700	50°	8300	55°	7530	60°	6780	63°	6010		75
80									24°	8710	38°	8890	47°	7580	53°	6870	57°	6190	61°	5500		80
85									14°	7470	33°	7810	43°	6940	50°	6280	55°	5670	59°	5020		85
90											27°	6750	39°	6350	47°	5720	52°	5160	57°	4560		90
95											20°	5790	35°	5790	44°	5200	50°	4690	54°	4150		95
100													30°	5250	40°	4740	47°	4250	52°	3760		100
105													25°	4480	36°	4300	44°	3840	50°	3400		105
110													17°	3770	32°	3900	41°	3460	47°	3050		110
115															27°	3400	37°	3100	44°	2720		115
120															22°	2810	34°	2770	41°	2410		120
125															13°	2230	29°	2460	38°	2110		125
130																	25°	2000	35°	1820		130
135																	18°	1520	31°	1540		135
140																	3°	970	27°	1280		140
145																			22°	900		145
	0°	25350	0°	19200	0°	12600	0°	7200	0°	5900	0°	2600	0°	1650	0°	1250	0°	900				
STOWED		910		650		510		420		350		310		270		240		220		200		
ERECTED		2440		2220		2100		2010		1960		1920		1890		1860		1850		1830		

DEDUCTIONS FOR JIB FROM MAIN BOOM CAPACITIES

CODE 55

MAIN BOOM

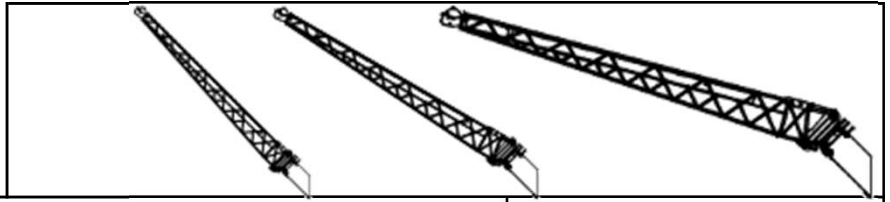


RADIUS (FT)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	ANGLE	LIFTING CAP. (LBS)	RADIUS (FT)	
LENGTH	39.8 FT		53 FT		66 FT		80 FT		93 FT		106 FT		120 FT		133 FT		146 FT		159 FT	
6	73°	90000	78°	58000															6	
8	70°	90000	76°	58000	79°	58000													8	
10	67°	65900	73°	58000	77°	58000	80°	58000											10	
12	64°	47200	71°	48500	75°	49600	78°	50600	80°	46400									12	
15	59°	31800	68°	32900	73°	33800	76°	34600	79°	35400	80°	33500							15	
20	50°	19000	61°	19940	68°	20620	72°	21260	75°	21880	78°	22440	80°	23100					20	
25	40°	12180	55°	13070	63°	13670	69°	14250	72°	14720	75°	15210	77°	15830					25	
30	26°	7890	48°	8820	58°	9370	65°	9880	69°	10300	72°	10720	75°	11330					30	
35			40°	5910	53°	6450	61°	6910	66°	7300	69°	7660	73°	8260					35	
40			31°	TC65159	47°	4320	56°	4760	62°	5110	66°	5450	70°	6020					40	
45			17°	2110	40°	2700	52°	3130	58°	3450	63°	3770	67°	4330					45	
50					33°	1420	47°	1840	55°	2170	60°	2440	65°	3000					50	
55							42°	790	51°	1110	57°	1380	62°	1940					55	
60											54°	740	59°	1030					60	
65																			65	
70																			70	
75																			75	
80																			80	
85																			85	
90																			90	
95																			95	
100																			100	
105																			105	
110																			110	
115																			115	
120																			120	
125																			125	
130																			130	
135																			135	
140																			140	
145																			145	
	0°	5400	0°	1500																
STOWED		910		650		510		420		350		310		270		240		220		200
ERECTED		2440		2220		2100		2010		1960		1920		1890		1860		1850		1830

DEDUCTIONS FOR JIB FROM MAIN BOOM CAPACITIES

CODES 100 110 120

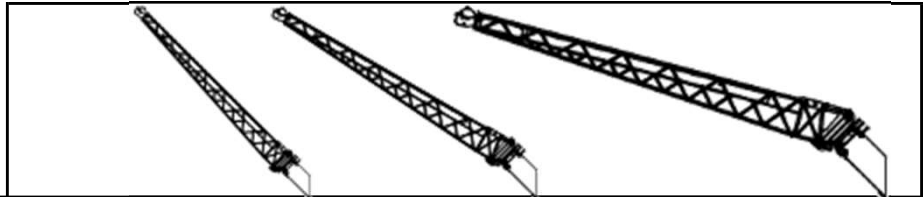
FIXED JIB



RADIUS (FT)	0° OFFSET				15° OFFSET				30° OFFSET				RADIUS (FT)
	CODE 100				CODE 110				CODE 120				
	MAIN BOOM LENGTH (FT)				MAIN BOOM LENGTH (FT)				MAIN BOOM LENGTH (FT)				
	120	133	146	159	120	133	146	159	120	133	146	159	
25													25
30	8400 (79)												30
35	8400 (77)	7500 (78)											35
40	8400 (76)	7500 (77)	5700 (78)	4800 (79)	7900 (79)								40
45	8400 (74)	7500 (76)	5700 TC65159 (78)	4800 (78)	7900 (77)	7100 (79)							45
50	8400 (72)	7500 (74)	5700 (76)	4800 (77)	7900 (75)	7100 (77)	6100 (79)		6400 (75)				50
55	8400 (70)	7500 (73)	5700 (74)	4800 (76)	7900 (73)	7100 (76)	6100 (78)	5800 (79)	6400 (78)	6200 (78)			55
60	8400 (69)	7500 (71)	5700 (73)	4800 (75)	7550 (72)	7100 (74)	6100 (76)	5800 (78)	6400 (76)	6200 (76)	5900 (78)		60
65	8020 (67)	7500 (70)	5700 (72)	4800 (74)	7160 (70)	6830 (72)	6100 (75)	5800 (77)	6400 (74)	6200 (75)	5900 (77)	5600 (79)	65
70	7560 (65)	7160 (68)	5700 (70)	4800 (72)	6800 (68)	6510 (71)	6100 (73)	5630 (76)	6280 (72)	6050 (73)	5760 (75)	5380 (77)	70
75	7160 (63)	6630 (66)	5700 (69)	4800 (70)	6460 (66)	6200 (69)	5850 (72)	5350 (74)	6010 (70)	5800 (71)	5520 (74)	5160 (76)	75
80	6780 (61)	6100 (64)	5410 (67)	4670 (69)	6160 (64)	5920 (67)	5600 (70)	4960 (73)	5770 (68)	5560 (69)	5290 (72)	4650 (74)	80
85	6250 (59)	5590 (62)	4970 (65)	4320 (67)	5880 (61)	5660 (65)	5320 (68)	4590 (71)	5540 (66)	5340 (67)	5100 (70)	4760 (73)	85
90	5740 (56)	5130 (60)	4560 (64)	3950 (65)	5620 (59)	5420 (63)	4880 (66)	4240 (69)	5320 (64)	5130 (65)	4910 (68)	4440 (71)	90
95	5270 (54)	4690 (58)	4150 (62)	3600 (64)	5390 (57)	4980 (61)	4440 (64)	3910 (67)	5120 (61)	4940 (63)	4700 (67)	4090 (69)	95
100	4650 (51)	4280 (56)	3770 (60)	3250 (62)	5070 (54)	4560 (59)	4060 (62)	3560 (66)	4940 (59)	4750 (61)	4300 (65)	3760 (68)	100
105	3980 (49)	3820 (54)	3410 (58)	2920 (60)	4470 (52)	4150 (57)	3690 (60)	3210 (64)	4760 (57)	4350 (59)	3920 (62)	3430 (66)	105
110	3370 (46)	3220 (51)	3080 (56)	2610 (58)	3820 (49)	3710 (54)	3330 (58)	2900 (62)	4120 (54)	3970 (56)	3540 (60)	3090 (64)	110
115	2830 (44)	2680 (49)	2540 (54)	2290 (57)	3230 (46)	3130 (52)	3000 (56)	2590 (60)	3490 (51)	3430 (54)	3190 (58)	2750 (62)	115
120	2340 (41)	2190 (47)	2050 (51)	1930 (55)	2690 (43)	2590 (49)	2500 (54)	2290 (58)	2910 (48)	2860 (51)	2810 (56)	2420 (60)	120
125	1890 (37)	1740 (44)	1610 (49)	1490 (53)	2200 (40)	2110 (47)	2020 (52)	1930 (56)	2390 (45)	2350 (48)	2290 (53)	2090 (58)	125
130	1480 (34)	1330 (41)	1200 (47)	1080 (51)	1750 (37)	1660 (44)	1580 (49)	1490 (54)	1900 (42)	1870 (45)	1820 (51)	1770 (55)	130
135	1100 (30)	960 (38)	830 (44)		1330 (33)	1250 (41)	1170 (47)	1090 (52)	1440 (38)	1420 (42)	1390 (48)	1330 (53)	135
140					940 (28)	870 (38)	800 (44)		1000 (33)	1010 (39)	990 (46)	950 (51)	140
145													145
150													150

CODES 130 140 150

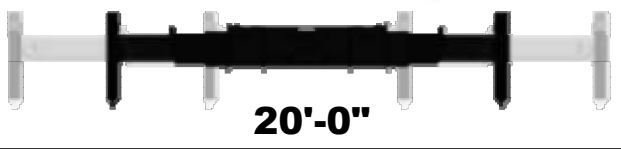
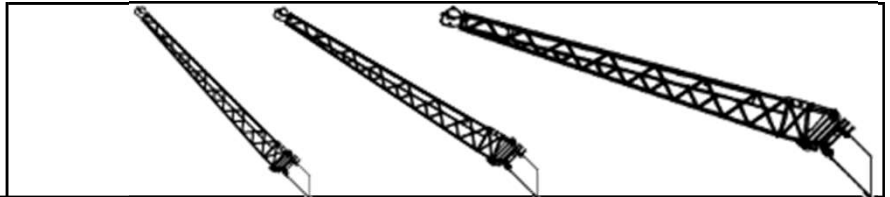
FIXED JIB



RADIUS (FT)	0° OFFSET				15° OFFSET				30° OFFSET				RADIUS (FT)
	CODE 130				CODE 140				CODE 150				
	MAIN BOOM LENGTH (FT)				MAIN BOOM LENGTH (FT)				MAIN BOOM LENGTH (FT)				
	120	133	146	159	120	133	146	159	120	133	146	159	
25													25
30	8400 (79)												30
35	8400 (77)	7500 (78)											35
40	8400 (76)	7500 (77)	5700 (78)	4800 (79)	7900 (79)								40
45	8400 (74)	7500 (76)	5700 TC65159	4800 (78)	7900 (77)	7100 (79)							45
50	8400 (72)	7500 (74)	5700 (76)	4800 (77)	7900 (75)	7100 (77)	6100 (79)		6400 (75)				50
55	8400 (70)	7500 (73)	5700 (74)	4800 (76)	7900 (73)	7100 (76)	6100 (78)	5800 (79)	6400 (78)	6200 (78)			55
60	8400 (69)	7500 (71)	5700 (73)	4800 (75)	7550 (72)	7100 (74)	6100 (76)	5800 (78)	6400 (76)	6200 (76)	5900 (78)		60
65	8020 (67)	7500 (70)	5700 (72)	4800 (74)	7160 (70)	6830 (72)	6100 (75)	5800 (77)	6400 (74)	6200 (75)	5900 (77)	5600 (79)	65
70	7560 (65)	7160 (68)	5700 (70)	4800 (72)	6800 (68)	6510 (71)	6100 (73)	5630 (76)	6280 (72)	6050 (73)	5760 (75)	5380 (77)	70
75	7160 (63)	6630 (66)	5700 (69)	4800 (70)	6460 (66)	6200 (69)	5850 (72)	5350 (74)	6010 (70)	5800 (71)	5520 (74)	5160 (76)	75
80	6780 (61)	6100 (64)	5410 (67)	4670 (69)	6160 (64)	5920 (67)	5600 (70)	4960 (73)	5770 (68)	5560 (69)	5290 (72)	4650 (74)	80
85	6250 (59)	5590 (62)	4970 (65)	4320 (67)	5880 (61)	5660 (65)	5320 (68)	4590 (71)	5540 (66)	5340 (67)	5100 (70)	4760 (73)	85
90	5740 (56)	5130 (60)	4560 (64)	3950 (65)	5620 (59)	5420 (63)	4880 (66)	4240 (69)	5320 (64)	5130 (65)	4910 (68)	4440 (71)	90
95	5270 (54)	4690 (58)	4150 (62)	3600 (64)	5390 (57)	4980 (61)	4440 (64)	3910 (67)	5120 (61)	4940 (63)	4700 (67)	4090 (69)	95
100	4840 (51)	4280 (56)	3770 (60)	3250 (62)	5070 (54)	4560 (59)	4060 (62)	3560 (66)	4940 (59)	4750 (61)	4300 (65)	3760 (68)	100
105	4430 (49)	3900 (54)	3410 (58)	2920 (60)	4650 (52)	4150 (57)	3690 (60)	3210 (64)	4760 (57)	4350 (59)	3920 (62)	3430 (66)	105
110	4050 (46)	3540 (51)	3080 (56)	2610 (58)	4260 (49)	3770 (54)	3330 (58)	2900 (62)	4420 (54)	3970 (56)	3540 (60)	3090 (64)	110
115	3690 (44)	3200 (49)	2760 (54)	2290 (57)	3880 (46)	3420 (52)	3000 (56)	2590 (60)	4040 (51)	3600 (54)	3190 (58)	2750 (62)	115
120	3360 (41)	2890 (47)	2460 (51)	1990 (55)	3530 (43)	3080 (49)	2690 (54)	2290 (58)	3660 (48)	3240 (51)	2860 (56)	2420 (60)	120
125	3050 (37)	2590 (44)	2180 (49)	1700 (53)	3200 (40)	2770 (47)	2380 (52)	2020 (56)	3310 (45)	2910 (48)	2540 (53)	2090 (58)	125
130	2760 (34)	2310 (41)	1910 (47)	1400 (51)	2890 (37)	2470 (44)	2100 (49)	1740 (54)	2980 (42)	2600 (45)	2250 (51)	1790 (55)	130
135	2400 (30)	2040 (38)	1660 (44)	1100 (49)	2590 (33)	2190 (41)	1830 (47)	1470 (52)	2660 (38)	2300 (42)	1960 (48)	1330 (53)	135
140	2020 (26)	1790 (35)	1420 (42)	860 (47)	2190 (28)	1920 (38)	1570 (44)	1200 (49)	2250 (33)	2010 (39)	1700 (46)	1100 (51)	140
145	1670 (21)	1530 (32)	1190 (39)		1790 (22)	1660 (34)	1330 (41)	930 (47)	1790 (28)	1740 (35)	1440 (43)	900 (48)	145
150	1330 (13)	1210 (28)	990 (36)		1390 (13)	1380 (30)	1100 (39)			1450 (30)	1200 (39)		150
155		900 (24)				1030 (25)	890 (35)			1060 (25)	970 (36)		155
160													160

CODES 200 210 220

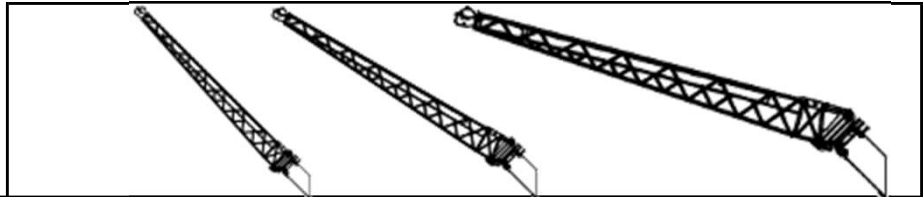
FIXED JIB



RADIUS (FT)	0° OFFSET				15° OFFSET				30° OFFSET				RADIUS (FT)
	CODE 200				CODE 210				CODE 220				
	MAIN BOOM LENGTH (FT)				MAIN BOOM LENGTH (FT)				MAIN BOOM LENGTH (FT)				
	120	133	146	159	120	133	146	159	120	133	146	159	
25													25
30	8400 (79)												30
35	8400 (77)	7500 (78)											35
40	8400 (76)	7500 (77)	5700 (78)	4800 (79)	7900 (79)								40
45	8400 (74)	7500 (76)	5700 TC65159 (78)	4800 (78)	7900 (77)	7100 (79)							45
50	8400 (72)	7500 (74)	5700 (76)	4800 (77)	7900 (75)	7100 (77)	6100 (79)		6400 (75)				50
55	8400 (70)	7500 (73)	5700 (74)	4800 (76)	7900 (73)	7100 (76)	6100 (78)	5800 (79)	6400 (78)	6200 (78)			55
60	8400 (69)	7500 (71)	5700 (73)	4800 (75)	7550 (72)	7100 (74)	6100 (76)	5800 (78)	6400 (76)	6200 (76)	5900 (78)		60
65	8020 (67)	7500 (70)	5700 (72)	4800 (74)	7160 (70)	6830 (72)	6100 (75)	5800 (77)	6400 (74)	6200 (75)	5900 (77)	5600 (79)	65
70	7560 (65)	7160 (68)	5700 (70)	4800 (72)	6800 (68)	6510 (71)	6100 (73)	5630 (76)	6280 (72)	6050 (73)	5760 (75)	5380 (77)	70
75	6500 (63)	6340 (66)	5700 (69)	4800 (70)	6460 (66)	6200 (69)	5850 (72)	5350 (74)	6010 (70)	5800 (71)	5520 (74)	5160 (76)	75
80	5520 (61)	5360 (64)	5220 (67)	4670 (69)	6160 (64)	5920 (67)	5600 (70)	4960 (73)	5770 (68)	5560 (69)	5290 (72)	4650 (74)	80
85	4660 (59)	4500 (62)	4360 (65)	4240 (67)	5340 (61)	5220 (65)	5120 (68)	4590 (71)	5540 (66)	5340 (67)	5100 (70)	4760 (73)	85
90	3910 (56)	3750 (60)	3620 (64)	3500 (65)	4530 (59)	4410 (63)	4310 (66)	4210 (69)	4980 (64)	4900 (65)	4820 (68)	4440 (71)	90
95	3250 (54)	3090 (58)	2960 (62)	2840 (64)	3810 (57)	3690 (61)	3590 (64)	3500 (67)	4210 (61)	4140 (63)	4060 (67)	4000 (69)	95
100	2660 (51)	2500 (56)	2370 (60)	2250 (62)	3170 (54)	3060 (59)	2960 (62)	2870 (66)	3530 (59)	3460 (61)	3390 (65)	3320 (68)	100
105	2130 (49)	1980 (54)	1850 (58)	1730 (60)	2590 (52)	2480 (57)	2390 (60)	2300 (64)	2910 (57)	2840 (59)	2780 (62)	2710 (66)	105
110	1650 (46)	1500 (51)	1370 (56)	1260 (58)	2070 (49)	1970 (54)	1870 (58)	1780 (62)	2350 (54)	2290 (56)	2230 (60)	2160 (64)	110
115	1220 (44)	1080 (49)	950 (54)	830 (57)	1600 (46)	1500 (52)	1400 (56)	1320 (60)	1840 (51)	1790 (54)	1730 (58)	1670 (62)	115
120	830 (41)				1170 (43)	1070 (49)	980 (54)	890 (58)	1380 (48)	1330 (51)	1270 (56)	1210 (60)	120
125									940 (45)	900 (48)	850 (53)	800 (58)	125
130													130
135													135
140													140
145													145
150													150

CODES 230 240 250

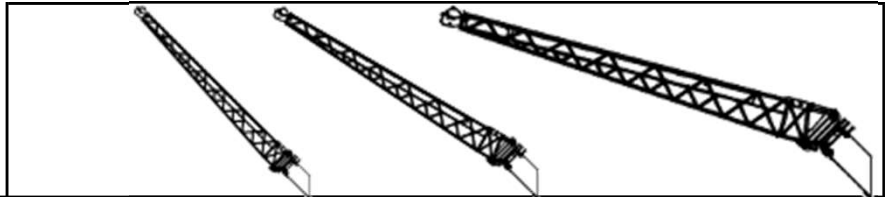
FIXED JIB



RADIUS (FT)	0° OFFSET				15° OFFSET				30° OFFSET				RADIUS (FT)
	CODE 230				CODE 240				CODE 250				
	MAIN BOOM LENGTH (FT)				MAIN BOOM LENGTH (FT)				MAIN BOOM LENGTH (FT)				
	120	133	146	159	120	133	146	159	120	133	146	159	
25													25
30	8400 (79)												30
35	8400 (77)	7500 (78)											35
40	8400 (76)	7500 (77)	5700 (78)	4800 (79)	7900 (79)								40
45	8400 (74)	7500 (76)	5700 TC65159	4800 (78)	7900 (77)	7100 (79)							45
50	8400 (72)	7500 (74)	5700 (76)	4800 (77)	7900 (75)	7100 (77)	6100 (79)		6400 (75)				50
55	8400 (70)	7500 (73)	5700 (74)	4800 (76)	7900 (73)	7100 (76)	6100 (78)	5800 (79)	6400 (78)	6200 (78)			55
60	8400 (69)	7500 (71)	5700 (73)	4800 (75)	7550 (72)	7100 (74)	6100 (76)	5800 (78)	6400 (76)	6200 (76)	5900 (78)		60
65	8020 (67)	7500 (70)	5700 (72)	4800 (74)	7160 (70)	6830 (72)	6100 (75)	5800 (77)	6400 (74)	6200 (75)	5900 (77)	5600 (79)	65
70	7560 (65)	7160 (68)	5700 (70)	4800 (72)	6800 (68)	6510 (71)	6100 (73)	5630 (76)	6280 (72)	6050 (73)	5760 (75)	5380 (77)	70
75	7160 (63)	6630 (66)	5700 (69)	4800 (70)	6460 (66)	6200 (69)	5850 (72)	5350 (74)	6010 (70)	5800 (71)	5520 (74)	5160 (76)	75
80	6780 (61)	6100 (64)	5410 (67)	4670 (69)	6160 (64)	5920 (67)	5600 (70)	4960 (73)	5770 (68)	5560 (69)	5290 (72)	4650 (74)	80
85	6250 (59)	5590 (62)	4970 (65)	4320 (67)	5880 (61)	5660 (65)	5320 (68)	4590 (71)	5540 (66)	5340 (67)	5100 (70)	4760 (73)	85
90	5740 (56)	5130 (60)	4560 (64)	3950 (65)	5620 (59)	5420 (63)	4880 (66)	4240 (69)	5320 (64)	5130 (65)	4910 (68)	4440 (71)	90
95	5270 (54)	4690 (58)	4150 (62)	3600 (64)	5390 (57)	4980 (61)	4440 (64)	3910 (67)	5120 (61)	4940 (63)	4700 (67)	4090 (69)	95
100	4840 (51)	4280 (56)	3770 (60)	3250 (62)	5070 (54)	4560 (59)	4060 (62)	3560 (66)	4940 (59)	4750 (61)	4300 (65)	3760 (68)	100
105	4430 (49)	3900 (54)	3410 (58)	2920 (60)	4650 (52)	4150 (57)	3690 (60)	3210 (64)	4760 (57)	4350 (59)	3920 (62)	3430 (66)	105
110	4050 (46)	3540 (51)	3080 (56)	2610 (58)	4260 (49)	3770 (54)	3330 (58)	2900 (62)	4420 (54)	3970 (56)	3540 (60)	3090 (64)	110
115	3690 (44)	3200 (49)	2760 (54)	2290 (57)	3880 (46)	3420 (52)	3000 (56)	2590 (60)	4040 (51)	3600 (54)	3190 (58)	2750 (62)	115
120	3360 (41)	2890 (47)	2460 (51)	1990 (55)	3530 (43)	3080 (49)	2690 (54)	2290 (58)	3660 (48)	3240 (51)	2860 (56)	2420 (60)	120
125	3050 (37)	2590 (44)	2180 (49)	1700 (53)	3200 (40)	2770 (47)	2380 (52)	2020 (56)	3310 (45)	2910 (48)	2540 (53)	2090 (58)	125
130	2760 (34)	2310 (41)	1910 (47)	1400 (51)	2890 (37)	2470 (44)	2100 (49)	1740 (54)	2980 (42)	2600 (45)	2250 (51)	1790 (55)	130
135	2400 (30)	2040 (38)	1660 (44)	1100 (49)	2590 (33)	2190 (41)	1830 (47)	1470 (52)	2660 (38)	2300 (42)	1960 (48)	1330 (53)	135
140	2020 (26)	1790 (35)	1420 (42)	860 (47)	2190 (28)	1920 (38)	1570 (44)	1200 (49)	2250 (33)	2010 (39)	1700 (46)	1100 (51)	140
145	1660 (21)	1530 (32)	1190 (39)		1780 (22)	1660 (34)	1330 (41)	930 (47)	1790 (28)	1740 (35)	1440 (43)	900 (48)	145
150	1330 (13)	1200 (28)	990 (36)		1380 (13)	1380 (30)	1100 (39)			1440 (30)	1200 (39)		150
155		900 (24)				1030 (25)	890 (35)			1060 (25)	970 (36)		155
160													160

CODES 300 310 320

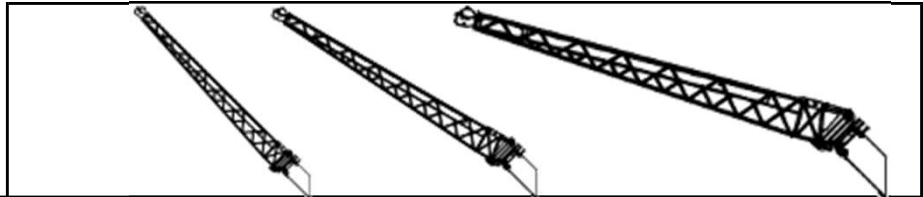
FIXED JIB



RADIUS (FT)	0° OFFSET				15° OFFSET				30° OFFSET				RADIUS (FT)
	CODE 300				CODE 310				CODE 320				
	MAIN BOOM LENGTH (FT)				MAIN BOOM LENGTH (FT)				MAIN BOOM LENGTH (FT)				
	120	133	146	159	120	133	146	159	120	133	146	159	
25													25
30	8400 (79)												30
35	8400 (77)	7500 (78)											35
40	8400 (76)	7500 (77)	5700 (78)	4800 (79)	7900 (79)								40
45	8400 (74)	7500 (76)	5700 TC65159 (78)	4800 (78)	7900 (77)	7100 (79)							45
50	8400 (72)	7500 (74)	5700 (76)	4800 (77)	7900 (75)	7100 (77)	6100 (79)		6400 (75)				50
55	8400 (70)	7500 (73)	5700 (74)	4800 (76)	7900 (73)	7100 (76)	6100 (78)	5800 (79)	6400 (78)	6200 (78)			55
60	8400 (69)	7500 (71)	5700 (73)	4800 (75)	7550 (72)	7100 (74)	6100 (76)	5800 (78)	6400 (76)	6200 (76)	5900 (78)		60
65	7060 (67)	6900 (70)	5700 (72)	4800 (74)	7160 (70)	6830 (72)	6100 (75)	5800 (77)	6400 (74)	6200 (75)	5900 (77)	5600 (79)	65
70	5890 (65)	5720 (68)	5580 (70)	4800 (72)	6780 (68)	6510 (71)	6100 (73)	5630 (76)	6280 (72)	6050 (73)	5760 (75)	5380 (77)	70
75	4890 (63)	4730 (66)	4590 (69)	4470 (70)	5700 (66)	5580 (69)	5470 (72)	5350 (74)	6010 (70)	5800 (71)	5520 (74)	5160 (76)	75
80	4030 (61)	3870 (64)	3740 (67)	3610 (69)	4770 (64)	4650 (67)	4540 (70)	4450 (73)	5320 (68)	5230 (69)	5160 (72)	4650 (74)	80
85	3280 (59)	3130 (62)	2990 (65)	2870 (67)	3950 (61)	3840 (65)	3730 (68)	3640 (71)	4450 (66)	4370 (67)	4290 (70)	4220 (73)	85
90	2630 (56)	2480 (60)	2340 (64)	2220 (65)	3240 (59)	3120 (63)	3020 (66)	2930 (69)	3690 (64)	3610 (65)	3530 (68)	3460 (71)	90
95	2050 (54)	1900 (58)	1770 (62)	1650 (64)	2610 (57)	2490 (61)	2390 (64)	2300 (67)	3010 (61)	2930 (63)	2860 (67)	2790 (69)	95
100	1540 (51)	1390 (56)	1250 (60)	1140 (62)	2040 (54)	1930 (59)	1830 (62)	1740 (66)	2400 (59)	2320 (61)	2250 (65)	2190 (68)	100
105	1070 (49)	930 (54)			1530 (52)	1420 (57)	1330 (60)	1240 (64)	1850 (57)	1780 (59)	1710 (62)	1650 (66)	105
110					1070 (49)	970 (54)	870 (58)		1350 (54)	1290 (56)	1220 (60)	1160 (64)	110
115									890 (51)	840 (54)			115
120													120
125													125
130													130
135													135
140													140
145													145
150													150

CODES 330 340 350

FIXED JIB



RADIUS (FT)	0° OFFSET				15° OFFSET				30° OFFSET				RADIUS (FT)
	CODE 330				CODE 340				CODE 350				
	MAIN BOOM LENGTH (FT)				MAIN BOOM LENGTH (FT)				MAIN BOOM LENGTH (FT)				
	120	133	146	159	120	133	146	159	120	133	146	159	
25													25
30	8400 (79)												30
35	8400 (77)	7500 (78)											35
40	8400 (76)	7500 (77)	5700 (78)	4800 (79)	7900 (79)								40
45	8400 (74)	7500 (76)	5700 TC65159	4800 (78)	7900 (77)	7100 (79)							45
50	8400 (72)	7500 (74)	5700 (76)	4800 (77)	7900 (75)	7100 (77)	6100 (79)		6400 (75)				50
55	8400 (70)	7500 (73)	5700 (74)	4800 (76)	7900 (73)	7100 (76)	6100 (78)	5800 (79)	6400 (78)	6200 (78)			55
60	8400 (69)	7500 (71)	5700 (73)	4800 (75)	7550 (72)	7100 (74)	6100 (76)	5800 (78)	6400 (76)	6200 (76)	5900 (78)		60
65	8020 (67)	7500 (70)	5700 (72)	4800 (74)	7160 (70)	6830 (72)	6100 (75)	5800 (77)	6400 (74)	6200 (75)	5900 (77)	5600 (79)	65
70	7560 (65)	7160 (68)	5700 (70)	4800 (72)	6800 (68)	6510 (71)	6100 (73)	5630 (76)	6280 (72)	6050 (73)	5760 (75)	5380 (77)	70
75	7160 (63)	6630 (66)	5700 (69)	4800 (70)	6460 (66)	6200 (69)	5850 (72)	5350 (74)	6010 (70)	5800 (71)	5520 (74)	5160 (76)	75
80	6780 (61)	6100 (64)	5410 (67)	4670 (69)	6160 (64)	5920 (67)	5600 (70)	4960 (73)	5770 (68)	5560 (69)	5290 (72)	4650 (74)	80
85	6250 (59)	5590 (62)	4970 (65)	4320 (67)	5880 (61)	5660 (65)	5320 (68)	4590 (71)	5540 (66)	5340 (67)	5100 (70)	4760 (73)	85
90	5740 (56)	5130 (60)	4560 (64)	3950 (65)	5620 (59)	5420 (63)	4880 (66)	4240 (69)	5320 (64)	5130 (65)	4910 (68)	4440 (71)	90
95	5270 (54)	4690 (58)	4150 (62)	3600 (64)	5390 (57)	4980 (61)	4440 (64)	3910 (67)	5120 (61)	4940 (63)	4700 (67)	4090 (69)	95
100	4840 (51)	4280 (56)	3770 (60)	3250 (62)	5070 (54)	4560 (59)	4060 (62)	3560 (66)	4940 (59)	4750 (61)	4300 (65)	3760 (68)	100
105	4430 (49)	3900 (54)	3410 (58)	2920 (60)	4650 (52)	4150 (57)	3690 (60)	3210 (64)	4760 (57)	4350 (59)	3920 (62)	3430 (66)	105
110	4050 (46)	3540 (51)	3080 (56)	2610 (58)	4260 (49)	3770 (54)	3330 (58)	2900 (62)	4420 (54)	3970 (56)	3540 (60)	3090 (64)	110
115	3690 (44)	3200 (49)	2760 (54)	2290 (57)	3880 (46)	3420 (52)	3000 (56)	2590 (60)	4040 (51)	3600 (54)	3190 (58)	2750 (62)	115
120	3360 (41)	2890 (47)	2460 (51)	1990 (55)	3530 (43)	3080 (49)	2690 (54)	2290 (58)	3660 (48)	3240 (51)	2860 (56)	2420 (60)	120
125	3050 (37)	2590 (44)	2180 (49)	1700 (53)	3200 (40)	2770 (47)	2380 (52)	2020 (56)	3310 (45)	2910 (48)	2540 (53)	2090 (58)	125
130	2760 (34)	2310 (41)	1910 (47)	1400 (51)	2890 (37)	2470 (44)	2100 (49)	1740 (54)	2980 (42)	2600 (45)	2250 (51)	1790 (55)	130
135	2390 (30)	2040 (38)	1660 (44)	1100 (49)	2590 (33)	2190 (41)	1830 (47)	1470 (52)	2660 (38)	2300 (42)	1960 (48)	1330 (53)	135
140	2010 (26)	1790 (35)	1420 (42)	860 (47)	2180 (28)	1920 (38)	1570 (44)	1200 (49)	2240 (33)	2010 (39)	1700 (46)	1100 (51)	140
145	1660 (21)	1530 (32)	1190 (39)		1780 (22)	1660 (34)	1330 (41)	930 (47)	1790 (28)	1740 (35)	1440 (43)	900 (48)	145
150	1330 (13)	1200 (28)	990 (36)		1380 (13)	1370 (30)	1100 (39)			1440 (30)	1200 (39)		150
155		900 (24)				1030 (25)	890 (35)			1060 (25)	970 (36)		155
160													160