

Liftcrane Jib Capacities

Jib No. 117 on
 Boom No. B10:290
 73,000 lb Crane Counterweight
 23,100 lb Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Static Machine List
 No Travel - 360 Degree Rating

MLC80A-1 SERIES 2



LIFTING CAPACITIES: Chart supplements Boom Capacity chart No. 9784-A. Lifting capacities are for a crawler machine when operating on a barge. Machine shall be positively secured to prevent shifting. Lifting capacities for various boom lengths, jib lengths, and jib operating radii are for freely suspended loads and may be based on percent of static tipping or strength of structural components. Capacities must be reduced by applicable deducts.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of load. Boom and jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate on a firm and uniformly supporting surface with machine list not to exceed degrees noted. Refer to Boom Rigging No. 80121888, Jib Rigging No. 84054323, Wire Rope Specifications chart No. 9780-A, Counterweight Arrangements chart No. 9769-A, and Wind Conditions chart No. 9779-A. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.



OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation at barge deck to center of vertical hoist line or load block.



BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



JIB POINT ELEVATION: Jib point elevation is vertical distance from barge deck to centerline of jib point shaft.

MACHINE EQUIPMENT: Machine equipped with 21 ft 3 in. crawlers, 35 in. treads, 14 ft 5 in. gantry, 8 part boom hoist reeving, two 32 mm boom pendants, 73,000 lb crane counterweight, and 23,100 lb carbody counterweight.

Refer to Tables 1 and 2 for raising ability with the maximum weight of all load blocks, hooks, weight ball, slings, and hoist lines beneath boom and jib point sheaves. For block weights shown with # or (a), load blocks, hooks, weight ball, and slings must remain on barge deck until combined weights are within rated capacity of chart. For block weights shown with (a), optional 3rd sheave in boom top wire rope guide and 2nd anti-two-block on boom top must be removed, and boom must be rigged with a maximum of 2 load hoist lead lines. Raising is not permitted in shaded areas of table.

Caution: Combined weight beneath boom and jib point sheaves must not exceed block weight shown. Total weight beneath jib point must not exceed 700 lb.

Table 1

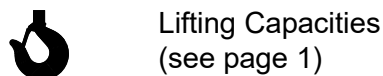
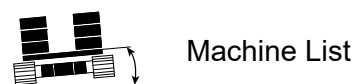
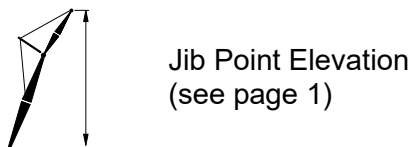
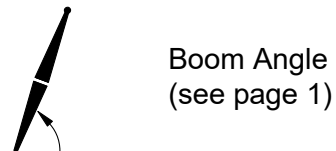
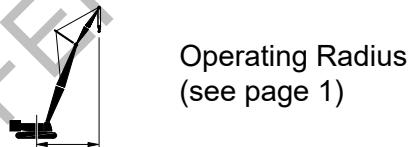
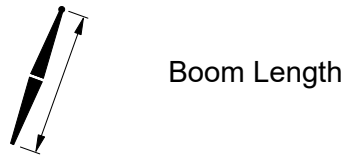
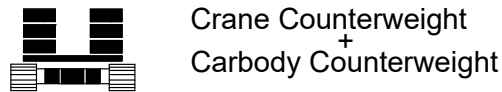
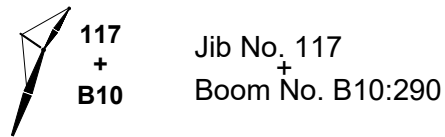
Over End or Side of Crawlers								
Boom Length (ft)	Jib No. 117							
	30.0 ft		40.0 ft		50.0 ft		60.0 ft	
	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°
	Block Weight (lb)							
62.3 - 141.1	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800
150.9	3,800	3,800	2,650	2,650	2,650	2,650	2,650	2,650
160.8	2,650	2,650	700	700	700	700	700	700
170.6	700	700	700	700	700	700	#	#
180.4	700	a	700	a	a	a	a	
190.3	a	a	a	a	Raising Not Permitted			

Table 2

Over End of Blocked Crawlers								
Boom Length (ft)	Jib No. 117							
	30.0 ft		40.0 ft		50.0 ft		60.0 ft	
	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°
	Block Weight (lb)							
62.3 - 141.1	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800
150.9	3,800	3,800	2,650	2,650	2,650	2,650	2,650	2,650
160.8	2,650	2,650	700	700	700	700	700	700
170.6	700	700	700	700	700	700	#	#
180.4	700	a	700	a	a	a	a	
190.3	a	a	a	a	a	a	a	

Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. Crane tipping or structural damage can occur.

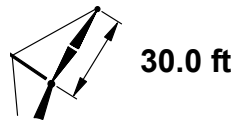
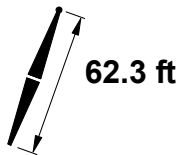
Explanation of Symbols



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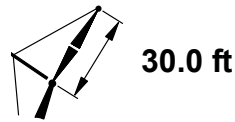
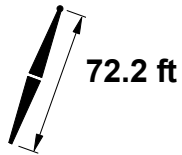


73,000 lb
+
23,100 lb



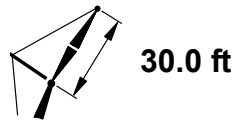
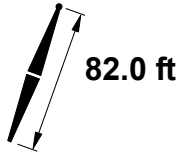
	10°							30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
26	80.7	97.6	27,600	27,600											26
28	79.4	97.2	27,600	27,600											28
30	78.2	96.6	27,600	27,600	25,100										30
32	76.9	96.0	27,600	27,600	25,000	22,700									32
34	75.6	95.4	27,600	27,600	24,800	22,500	80.8	92.9	20,900						34
36	74.3	94.7	27,600	27,600	24,700	22,400	79.4	92.2	20,400	20,000					36
38	73.0	94.0	27,600	27,400	24,600	22,300	78.1	91.5	19,900	19,600	19,200				38
40	71.7	93.2	27,600	27,200	24,400	22,200	76.7	90.6	19,400	19,100	18,800	18,500			40
42	70.3	92.3	27,600	27,100	24,300	22,100	75.3	89.8	19,000	18,700	18,400	18,100			42
44	69.0	91.4	27,600	27,000	24,200	21,900	74.0	88.8	18,600	18,300	18,000	17,700			44
46	67.6	90.4	27,600	26,800	24,100	21,800	72.5	87.8	18,200	17,900	17,600	17,400			46
48	66.2	89.4	27,600	26,700	24,000	21,800	71.1	86.8	17,800	17,500	17,300	17,100			48
50	64.8	88.3	27,600	26,500	23,900	21,700	69.7	85.7	17,400	17,200	17,000	16,700			50
55	61.2	85.3	27,600	26,300	23,600	21,500	66.0	82.6	16,600	16,400	16,200	16,000			55
60	57.5	81.9	27,200	26,000	23,400	21,300	62.1	79.0	15,900	15,700	15,500	15,400			60
65	53.6	77.9	25,500	25,100	23,300	21,200	58.0	74.9	15,200	15,100	15,000	14,800			65
70	49.4	73.3	23,900	23,300	22,500	21,200	53.6	70.1	14,700	14,600	14,500	14,400			70
75	44.9	68.0	22,000	21,300	20,700	20,100	48.9	64.4	14,200	14,100	14,000	14,000			75
80	40.0	61.7	20,200	19,600	19,100	18,500	43.6	57.7	13,800	13,800	13,700	13,700			80
85	34.4	54.1	18,500	18,100	17,600	17,200	37.4	49.3	13,500	13,500	13,500	13,400			85
90	27.6	44.3	17,100	16,700	16,400	16,000									90

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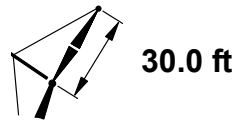
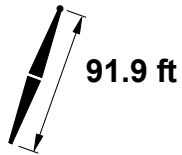
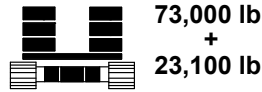
	10°						30°									
			73,000 lb + 23,100 lb						73,000 lb + 23,100 lb							
	ft	°	ft	0°	1°	2°	3°	ft	°	ft	0°	1°		2°	3°	ft
28	80.5	107.3	27,600													28
30	79.3	106.8	27,600	27,600												30
32	78.2	106.2	27,600	27,600	25,100											32
34	77.0	105.7	27,600	27,600	24,900	22,500										34
36	75.9	105.1	27,600	27,600	24,800	22,500	80.5	102.5	20,800							36
38	74.7	104.4	27,600	27,600	24,700	22,300	79.3	101.8	20,300	20,000						38
40	73.5	103.7	27,600	27,500	24,600	22,300	78.1	101.1	19,900	19,500	19,200					40
42	72.3	102.9	27,600	27,300	24,500	22,100	76.9	100.3	19,500	19,100	18,800	18,300				42
44	71.1	102.1	27,600	27,200	24,300	22,100	75.6	99.5	19,100	18,700	18,400	18,200				44
46	69.9	101.3	27,600	27,000	24,200	22,000	74.4	98.6	18,700	18,400	18,100	17,800				46
48	68.7	100.4	27,600	26,900	24,100	21,900	73.1	97.7	18,300	18,000	17,800	17,500				48
50	67.5	99.4	27,600	26,800	24,000	21,800	71.9	96.7	18,000	17,700	17,400	17,200				50
55	64.3	96.8	27,600	26,500	23,800	21,700	68.6	94.0	17,200	16,900	16,700	16,500				55
60	61.1	93.8	27,600	26,300	23,600	21,500	65.3	90.9	16,400	16,200	16,100	15,900				60
65	57.7	90.4	26,400	25,300	23,500	21,300	61.8	87.4	15,800	15,600	15,500	15,300				65
70	54.2	86.5	23,900	23,000	22,200	21,300	58.2	83.4	15,200	15,100	15,000	14,900				70
75	50.5	82.2	21,800	21,000	20,300	19,600	54.3	78.8	14,700	14,600	14,500	14,400				75
80	46.6	77.2	20,000	19,300	18,700	18,100	50.2	73.5	14,300	14,200	14,100	14,100				80
85	42.3	71.4	18,400	17,800	17,300	16,800	45.7	67.4	13,900	13,900	13,800	13,800				85
90	37.6	64.6	16,900	16,500	16,000	15,600	40.6	60.1	13,600	13,600	13,600	13,500				90
95	32.3	56.4	15,700	15,300	14,900	14,500	34.7	51.1	13,400	13,400	13,400	13,400				95
100	25.8	45.8	14,500	14,200	13,900	13,600										100

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	10°							30°						
			73,000 lb + 23,100 lb						73,000 lb + 23,100 lb					
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
30	80.3	116.9	27,600											30
32	79.2	116.4	27,600	27,600										32
34	78.2	115.9	27,600	27,600	24,900									34
36	77.1	115.3	27,600	27,600	24,900	22,500								36
38	76.1	114.7	27,600	27,600	24,700	22,400		80.3	112.1	20,700				38
40	75.0	114.1	27,600	27,600	24,600	22,300	79.2	111.4	20,300	19,900				40
42	73.9	113.4	27,600	27,400	24,500	22,200	78.1	110.7	19,900	19,500	19,200			42
44	72.9	112.7	27,600	27,300	24,400	22,100	77.0	110.0	19,500	19,200	18,800	17,700		44
46	71.8	111.9	27,600	27,200	24,300	22,000	75.9	109.2	19,100	18,800	18,500	17,700		46
48	70.7	111.1	27,600	27,100	24,300	22,000	74.8	108.4	18,800	18,500	18,200	17,700		48
50	69.6	110.3	27,600	26,900	24,200	21,900	73.6	107.5	18,400	18,100	17,900	17,600		50
55	66.8	107.9	27,600	26,700	24,000	21,800	70.8	105.1	17,600	17,400	17,200	16,900		55
60	63.9	105.3	27,600	26,500	23,800	21,600	67.8	102.4	16,900	16,700	16,500	16,300		60
65	60.9	102.3	26,100	24,900	23,600	21,500	64.7	99.3	16,300	16,100	16,000	15,800		65
70	57.9	98.9	23,600	22,700	21,700	20,800	61.6	95.8	15,800	15,600	15,400	15,300		70
75	54.7	95.1	21,500	20,700	19,900	19,100	58.3	91.9	15,200	15,100	15,000	14,900		75
80	51.4	90.9	19,700	19,000	18,300	17,600	54.8	87.5	14,800	14,700	14,600	14,500		80
85	47.9	86.1	18,100	17,500	16,900	16,300	51.2	82.5	14,400	14,300	14,200	14,100		85
90	44.1	80.7	16,700	16,100	15,600	15,100	47.2	76.8	14,000	14,000	13,900	13,800		90
95	40.1	74.5	15,400	15,000	14,500	14,100	42.9	70.2	13,800	13,700	13,700	13,600		95
100	35.6	67.2	14,300	13,900	13,500	13,100	38.1	62.4	13,500	13,500	13,500	13,300		100
105	30.5	58.5	13,300	13,000	12,600	12,300	32.4	52.7	13,300	13,000	12,700	12,400		105
110	24.2	47.3	12,400	12,100	11,800	11,500								110

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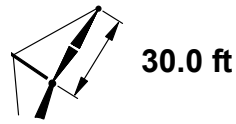
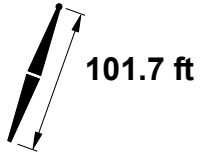


	10°							30°							
	ft	°	ft	0°	1°	2°	3°	ft	°	ft	0°	1°	2°	3°	ft
32	80.1	126.5	27,600												32
34	79.2	126.0	27,600	27,600											34
36	78.2	125.5	27,600	27,600	24,800										36
38	77.2	125.0	27,600	27,600	24,700	22,300									38
40	76.3	124.4	27,600	27,600	24,600	22,300	80.1	121.7	20,600						40
42	75.3	123.8	27,600	27,500	24,600	22,200	79.1	121.1	20,200	19,900					42
44	74.3	123.1	27,600	27,500	24,500	22,100	78.1	120.4	19,900	19,500	19,200				44
46	73.3	122.4	27,600	27,300	24,400	22,000	77.1	119.7	19,500	19,200	18,800	17,200			46
48	72.3	121.7	27,600	27,200	24,300	22,000	76.1	118.9	19,200	18,800	18,500	17,200			48
50	71.3	120.9	27,600	27,100	24,200	21,900	75.1	118.1	18,800	18,500	18,200	17,200			50
55	68.8	118.8	27,600	26,900	24,000	21,800	72.5	115.9	18,100	17,800	17,600	17,200			55
60	66.2	116.4	27,600	26,600	23,800	21,600	69.8	113.5	17,400	17,200	16,900	16,700			60
65	63.5	113.7	25,900	24,700	23,500	21,500	67.1	110.7	16,800	16,600	16,400	16,200			65
70	60.8	110.7	23,500	22,400	21,400	20,400	64.3	107.7	16,200	16,000	15,900	15,700			70
75	58.0	107.4	21,400	20,400	19,600	18,700	61.4	104.2	15,700	15,600	15,400	15,300			75
80	55.1	103.7	19,500	18,700	18,000	17,300	58.4	100.4	15,300	15,100	15,000	14,900			80
85	52.1	99.6	17,900	17,300	16,600	16,000	55.3	96.2	14,800	14,700	14,600	14,500			85
90	48.9	95.0	16,500	15,900	15,400	14,800	52.0	91.4	14,500	14,400	14,300	14,200			90
95	45.6	89.9	15,300	14,800	14,300	13,800	48.5	86.0	14,100	14,100	14,000	13,900			95
100	42.0	84.1	14,200	13,700	13,300	12,800	44.7	79.9	13,900	13,800	13,400	13,000			100
105	38.1	77.4	13,200	12,800	12,400	12,000	40.6	72.9	13,300	12,900	12,500	12,100			105
110	33.8	69.7	12,300	11,900	11,600	11,200	35.9	64.5	12,300	12,000	11,700	11,300			110
115	28.9	60.4	11,400	11,100	10,800	10,500	30.5	54.2	11,500	11,200	10,900	10,600			115
120	22.9	48.6	10,600	10,400	10,200	9,900									120

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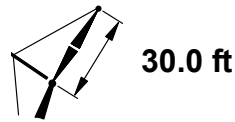
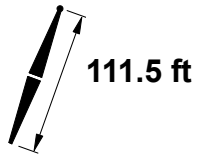


73,000 lb
+
23,100 lb



	10°							30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	
32	80.9	136.6	27,600												32
34	80.0	136.1	27,600	27,600											34
36	79.1	135.7	27,600	27,600											36
38	78.2	135.2	27,600	27,600	24,700										38
40	77.3	134.6	27,600	27,600	24,600	22,200		80.9	131.9	20,900					40
42	76.4	134.1	27,600	27,600	24,600	22,200	22,200	80.0	131.3	20,500	20,200				42
44	75.5	133.4	27,600	27,500	24,500	22,100	22,100	79.1	130.7	20,200	19,800				44
46	74.6	132.8	27,600	27,400	24,400	22,100	22,100	78.1	130.0	19,800	19,500	19,200			46
48	73.7	132.1	27,600	27,300	24,300	22,000	22,000	77.2	129.3	19,500	19,200	18,900	16,900		48
50	72.8	131.4	27,600	27,200	24,200	21,900	21,900	76.3	128.6	19,200	18,900	18,600	16,800		50
55	70.4	129.5	27,600	27,000	24,100	21,800	21,800	73.9	126.6	18,500	18,200	17,900	16,800		55
60	68.1	127.3	27,600	26,800	23,900	21,600	21,600	71.5	124.4	17,800	17,500	17,300	16,800		60
65	65.7	124.9	25,700	24,300	23,000	21,500	21,500	69.0	121.9	17,200	17,000	16,800	16,500		65
70	63.2	122.2	23,200	22,100	21,000	19,900	19,900	66.5	119.1	16,600	16,400	16,200	16,100		70
75	60.7	119.2	21,100	20,100	19,200	18,300	18,300	63.9	116.1	16,100	16,000	15,800	15,600		75
80	58.1	115.9	19,300	18,400	17,600	16,800	16,800	61.2	112.7	15,700	15,500	15,400	15,200		80
85	55.4	112.3	17,700	16,900	16,200	15,500	15,500	58.5	108.9	15,300	15,100	15,000	14,900		85
90	52.7	108.3	16,300	15,600	15,000	14,400	14,400	55.6	104.8	14,900	14,800	14,600	14,500		90
95	49.8	103.8	15,000	14,500	13,900	13,400	13,400	52.6	100.2	14,500	14,400	14,100	13,600		95
100	46.8	98.9	13,900	13,400	12,900	12,400	12,400	49.5	95.1	14,100	13,600	13,100	12,600		100
105	43.5	93.4	12,900	12,500	12,000	11,600	11,600	46.1	89.3	13,100	12,600	12,200	11,800		105
110	40.1	87.3	12,000	11,600	11,200	10,800	10,800	42.5	82.8	12,100	11,700	11,400	11,000		110
115	36.4	80.2	11,200	10,800	10,500	10,100	10,100	38.5	75.3	11,300	10,900	10,600	10,300		115
120	32.2	72.1	10,400	10,100	9,800	9,500	9,500	34.0	66.5	10,500	10,200	9,900	9,600		120
125	27.5	62.3	9,700	9,400	9,200	8,900	8,900								125
130	21.7	49.8	9,100	8,800	8,600	8,400	8,400								130

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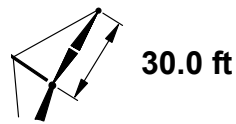
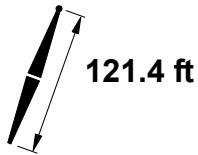


	10°							30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
34	80.7	146.2	27,600												34
36	79.9	145.8	27,600	27,600											36
38	79.0	145.3	27,600	27,600											38
40	78.2	144.8	27,600	27,600	24,600										40
42	77.4	144.3	27,600	27,500	24,400	22,000		80.7	141.5	20,800					42
44	76.5	143.7	27,600	27,400	24,400	22,000	79.9	140.9	20,500	20,100					44
46	75.7	143.1	27,600	27,400	24,400	21,900	79.0	140.3	20,100	19,800					46
48	74.9	142.5	27,600	27,200	24,200	21,900	78.2	139.7	19,800	19,500	19,200				48
50	74.0	141.8	27,600	27,200	24,200	21,900	77.3	139.0	19,500	19,200	18,900	16,500			50
55	71.9	140.1	27,600	27,000	24,100	21,700	75.1	137.2	18,800	18,500	18,200	16,500			55
60	69.7	138.1	27,600	26,600	23,900	21,600	72.9	135.1	18,200	17,900	17,600	16,500			60
65	67.5	135.8	25,500	24,000	22,600	21,400	70.6	132.8	17,600	17,300	17,100	16,400			65
70	65.3	133.4	23,000	21,700	20,600	19,500	68.3	130.3	17,000	16,800	16,600	16,400			70
75	63.0	130.6	20,900	19,800	18,800	17,900	66.0	127.5	16,500	16,300	16,100	16,000			75
80	60.6	127.7	19,000	18,100	17,200	16,400	63.6	124.5	16,100	15,900	15,700	15,600			80
85	58.2	124.4	17,500	16,600	15,900	15,100	61.1	121.1	15,600	15,500	15,300	15,200			85
90	55.7	120.8	16,000	15,300	14,700	14,000	58.6	117.4	15,300	15,100	15,000	14,300			90
95	53.2	116.9	14,800	14,200	13,600	13,000	55.9	113.4	14,900	14,500	13,900	13,300			95
100	50.5	112.6	13,700	13,100	12,600	12,100	53.2	108.9	13,900	13,400	12,800	12,300			100
105	47.7	107.8	12,700	12,200	11,700	11,300	50.3	104.0	12,900	12,400	11,900	11,500			105
110	44.8	102.6	11,800	11,300	10,900	10,500	47.3	98.6	12,000	11,500	11,100	10,700			110
115	41.7	96.8	11,000	10,600	10,200	9,800	44.0	92.5	11,100	10,700	10,300	10,000			115
120	38.4	90.3	10,200	9,900	9,500	9,200	40.5	85.6	10,300	10,000	9,600	9,300			120
125	34.8	82.9	9,500	9,200	8,900	8,600	36.7	77.7	9,600	9,300	9,000	8,700			125
130	30.8	74.3	8,900	8,600	8,300	8,100	32.4	68.4	8,900	8,600	8,400	8,100			130
135	26.2	64.0	8,300	8,000	7,800	7,600									135
140	20.6	50.9	7,700	7,500	7,300	7,100									140

MLC80A-1 S-2

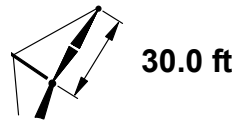
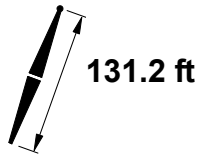
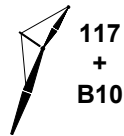


73,000 lb
+
23,100 lb



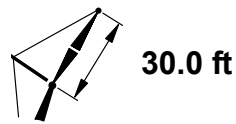
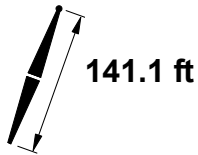
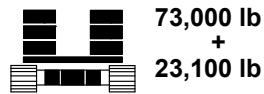
	10°							30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
36	80.5	155.8	27,600												36
38	79.8	155.4	27,600	27,600											38
40	79.0	154.9	27,600	27,600	24,400										40
42	78.2	154.4	27,600	27,500	24,400										42
44	77.4	153.9	27,600	27,400	24,300	21,900		80.6	151.1	20,700					44
46	76.7	153.4	27,600	27,300	24,200	21,800	79.8	150.5	20,400	20,000					46
48	75.9	152.8	27,600	27,300	24,100	21,800	79.0	149.9	20,100	19,800	19,400				48
50	75.1	152.2	27,600	27,100	24,100	21,700	78.2	149.3	19,800	19,500	19,100				50
55	73.1	150.5	27,600	27,000	24,000	21,700	76.1	147.6	19,100	18,800	18,500	16,200			55
60	71.1	148.7	27,600	26,300	23,900	21,600	74.1	145.7	18,500	18,200	17,900	16,200			60
65	69.1	146.6	25,200	23,600	22,200	20,900	72.0	143.6	17,900	17,700	17,400	16,100			65
70	67.0	144.3	22,700	21,400	20,200	19,000	69.9	141.3	17,400	17,200	16,900	16,100			70
75	64.9	141.8	20,600	19,500	18,400	17,400	67.7	138.8	16,900	16,700	16,500	16,100			75
80	62.7	139.1	18,800	17,800	16,900	16,000	65.5	136.0	16,400	16,200	16,100	15,900			80
85	60.5	136.1	17,200	16,300	15,500	14,700	63.3	132.9	16,000	15,800	15,700	15,100			85
90	58.3	132.9	15,800	15,000	14,300	13,600	61.0	129.6	15,600	15,400	14,600	13,900			90
95	56.0	129.4	14,500	13,900	13,200	12,600	58.6	125.9	14,900	14,200	13,500	12,900			95
100	53.6	125.5	13,400	12,800	12,200	11,700	56.2	122.0	13,700	13,100	12,500	12,000			100
105	51.2	121.3	12,400	11,900	11,400	10,900	53.6	117.6	12,700	12,100	11,600	11,100			105
110	48.6	116.7	11,500	11,000	10,600	10,100	51.0	112.9	11,700	11,300	10,800	10,300			110
115	45.9	111.7	10,700	10,300	9,800	9,400	48.2	107.7	10,900	10,400	10,000	9,600			115
120	43.1	106.1	9,900	9,600	9,200	8,800	45.3	101.9	10,100	9,700	9,300	9,000			120
125	40.1	100.0	9,300	8,900	8,600	8,200	42.2	95.5	9,400	9,000	8,700	8,400			125
130	36.9	93.2	8,600	8,300	8,000	7,700	38.8	88.2	8,700	8,400	8,100	7,800			130
135	33.5	85.4	8,000	7,700	7,500	7,200	35.1	79.9	8,100	7,800	7,500	7,300			135
140	29.6	76.4	7,500	7,200	7,000	6,700	30.9	70.2	7,500	7,300	7,000	6,800			140
145	25.1	65.6	7,000	6,700	6,500	6,300									145

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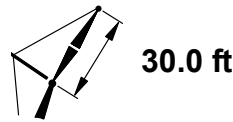
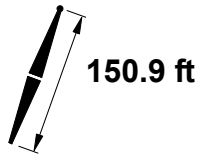
	10°							30°							
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft
38	80.4	165.5	27,600												38
40	79.7	165.0	27,600	27,400											40
42	78.9	164.6	27,600	27,300	24,200										42
44	78.2	164.1	27,600	27,200	24,100										44
46	77.5	163.6	27,600	27,200	24,100	21,700		80.4	160.7	20,700					46
48	76.8	163.0	27,600	27,100	24,000	21,600	79.7	160.1	20,400	20,000					48
50	76.0	162.5	27,600	27,000	24,000	21,600	78.9	159.6	20,100	19,700	18,900				50
55	74.2	160.9	27,600	26,900	23,800	21,500	77.0	158.0	19,400	19,100	18,800	15,800			55
60	72.3	159.2	27,600	26,000	23,800	21,500	75.1	156.2	18,800	18,500	18,200	15,800			60
65	70.4	157.3	25,000	23,300	21,800	20,400	73.2	154.3	18,200	18,000	17,700	15,800			65
70	68.5	155.2	22,500	21,100	19,800	18,600	71.2	152.1	17,700	17,500	17,200	15,800			70
75	66.5	152.8	20,400	19,200	18,100	17,000	69.2	149.8	17,200	17,000	16,800	15,800			75
80	64.6	150.3	18,600	17,500	16,500	15,600	67.2	147.2	16,800	16,600	16,400	15,800			80
85	62.5	147.6	17,000	16,100	15,200	14,400	65.2	144.4	16,400	16,200	15,600	14,800			85
90	60.5	144.6	15,600	14,800	14,000	13,300	63.1	141.3	16,000	15,200	14,400	13,600			90
95	58.4	141.4	14,300	13,600	12,900	12,300	60.9	138.0	14,700	14,000	13,300	12,600			95
100	56.2	137.9	13,200	12,600	12,000	11,400	58.7	134.4	13,500	12,900	12,300	11,700			100
105	54.0	134.1	12,200	11,700	11,100	10,600	56.4	130.5	12,500	11,900	11,400	10,800			105
110	51.7	130.0	11,300	10,800	10,300	9,800	54.0	126.3	11,600	11,100	10,600	10,100			110
115	49.3	125.5	10,500	10,000	9,600	9,200	51.6	121.7	10,700	10,300	9,800	9,400			115
120	46.9	120.6	9,800	9,300	8,900	8,500	49.0	116.7	9,900	9,500	9,100	8,700			120
125	44.3	115.3	9,100	8,700	8,300	8,000	46.4	111.1	9,200	8,800	8,500	8,100			125
130	41.6	109.5	8,400	8,100	7,800	7,400	43.5	105.1	8,600	8,200	7,900	7,600			130
135	38.7	103.1	7,900	7,500	7,200	6,900	40.5	98.3	8,000	7,600	7,300	7,000			135
140	35.6	95.9	7,300	7,000	6,800	6,500	37.2	90.7	7,400	7,100	6,800	6,600			140
145	32.2	87.8	6,800	6,600	6,300	6,100	33.6	82.1	6,900	6,600	6,400	6,100			145
150	28.5	78.4	6,300	6,100	5,900	5,700									150
155	24.1	67.2	5,900	5,700	5,500	5,300									155

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	10°							30°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
38	81.0	175.5	27,600											38
40	80.3	175.1	27,600											40
42	79.6	174.7	27,600	27,100										42
44	78.9	174.2	27,600	27,100	23,900									44
46	78.2	173.7	27,600	27,000	23,900			81.0	170.8	20,900				46
48	77.5	173.2	27,600	26,900	23,900	21,400		80.3	170.3	20,600				48
50	76.8	172.7	27,600	26,900	23,800	21,400		79.6	169.8	20,300	20,000			50
55	75.1	171.2	27,600	26,800	23,700	21,300		77.8	168.3	19,700	19,300	18,400	15,500	55
60	73.4	169.6	27,600	25,600	23,600	21,300		76.0	166.6	19,100	18,800	18,400	15,500	60
65	71.6	167.8	24,700	23,000	21,400	20,000		74.2	164.8	18,500	18,200	18,000	15,400	65
70	69.8	165.8	22,300	20,800	19,400	18,200		72.4	162.8	18,000	17,800	17,500	15,400	70
75	68.0	163.7	20,100	18,900	17,700	16,600		70.6	160.6	17,500	17,300	17,100	15,400	75
80	66.1	161.4	18,300	17,200	16,200	15,200		68.7	158.2	17,100	16,900	16,700	15,400	80
85	64.3	158.8	16,700	15,700	14,800	14,000		66.8	155.6	16,700	16,200	15,300	14,400	85
90	62.4	156.1	15,300	14,500	13,600	12,900		64.8	152.8	15,800	14,900	14,100	13,300	90
95	60.4	153.1	14,100	13,300	12,600	11,900		62.8	149.8	14,500	13,700	13,000	12,300	95
100	58.4	149.9	13,000	12,300	11,600	11,000		60.8	146.5	13,300	12,600	12,000	11,300	100
105	56.4	146.4	12,000	11,400	10,800	10,200		58.7	142.9	12,300	11,700	11,100	10,500	105
110	54.3	142.7	11,100	10,500	10,000	9,500		56.6	139.1	11,300	10,800	10,300	9,700	110
115	52.2	138.6	10,300	9,700	9,300	8,800		54.4	134.9	10,500	10,000	9,500	9,000	115
120	50.0	134.3	9,500	9,000	8,600	8,200		52.1	130.5	9,700	9,300	8,800	8,400	120
125	47.7	129.6	8,800	8,400	8,000	7,600		49.7	125.6	9,000	8,600	8,200	7,800	125
130	45.3	124.4	8,200	7,800	7,400	7,100		47.3	120.3	8,300	8,000	7,600	7,300	130
135	42.8	118.9	7,600	7,300	6,900	6,600		44.7	114.5	7,700	7,400	7,100	6,700	135
140	40.2	112.8	7,100	6,700	6,400	6,100		41.9	108.1	7,200	6,900	6,600	6,300	140
145	37.4	106.0	6,500	6,300	6,000	5,700		39.0	101.1	6,600	6,400	6,100	5,800	145
150	34.4	98.5	6,100	5,800	5,600	5,300		35.8	93.1	6,100	5,900	5,600	5,400	150
155	31.1	90.1	5,600	5,400	5,200	5,000		32.3	84.1	5,700	5,400	5,200	5,000	155
160	27.4	80.3	5,200	5,000	4,800	4,600								160
165	23.2	68.6	4,800	4,600	4,500	4,300								165

MLC80A-1 S-2

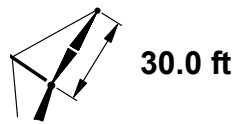
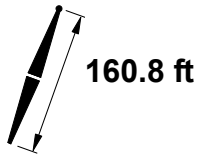


ft	10°						30°						ft
	°	ft	Counterweight				°	ft	Counterweight				
			0°	1°	2°	3°			0°	1°	2°	3°	
lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	
40	80.8	185.1	27,600										40
42	80.2	184.7	27,600										42
44	79.5	184.3	27,600	26,800									44
46	78.9	183.8	27,600	26,700	23,600								46
48	78.2	183.4	27,600	26,700	23,600		80.8	180.4	20,800				48
50	77.6	182.8	27,600	26,700	23,500	19,400	80.2	179.9	20,600				50
55	75.9	181.5	27,600	26,600	23,500	19,300	78.5	178.5	19,900	19,600	18,000		55
60	74.3	180.0	27,400	25,200	23,300	19,200	76.8	177.0	19,300	19,000	17,900	15,100	60
65	72.6	178.3	24,500	22,700	21,000	19,100	75.1	175.3	18,800	18,500	17,900	15,100	65
70	70.9	176.4	22,000	20,400	19,000	17,700	73.4	173.4	18,300	18,000	17,800	15,100	70
75	69.2	174.4	19,900	18,500	17,300	16,200	71.7	171.3	17,800	17,600	17,300	15,100	75
80	67.5	172.2	18,100	16,900	15,800	14,800	69.9	169.1	17,400	17,100	16,300	15,100	80
85	65.8	169.9	16,500	15,500	14,500	13,600	68.2	166.7	17,000	15,900	15,000	14,100	85
90	64.0	167.3	15,100	14,200	13,300	12,500	66.4	164.1	15,500	14,600	13,700	12,900	90
95	62.2	164.5	13,800	13,000	12,300	11,500	64.5	161.2	14,300	13,400	12,700	11,900	95
100	60.4	161.6	12,700	12,000	11,300	10,700	62.6	158.2	13,100	12,400	11,700	11,000	100
105	58.5	158.4	11,700	11,100	10,500	9,900	60.7	154.9	12,100	11,400	10,800	10,200	105
110	56.6	154.9	10,800	10,200	9,700	9,100	58.8	151.4	11,100	10,500	10,000	9,400	110
115	54.6	151.2	10,000	9,500	9,000	8,500	56.8	147.6	10,300	9,700	9,200	8,700	115
120	52.6	147.3	9,300	8,800	8,300	7,900	54.7	143.6	9,500	9,000	8,600	8,100	120
125	50.5	143.0	8,600	8,100	7,700	7,300	52.6	139.2	8,800	8,400	7,900	7,500	125
130	48.4	138.4	7,900	7,500	7,200	6,800	50.4	134.4	8,100	7,700	7,300	7,000	130
135	46.2	133.4	7,400	7,000	6,600	6,300	48.1	129.3	7,500	7,200	6,800	6,500	135
140	43.9	128.1	6,800	6,500	6,200	5,800	45.7	123.8	7,000	6,600	6,300	6,000	140
145	41.4	122.2	6,300	6,000	5,700	5,400	43.2	117.7	6,400	6,100	5,800	5,500	145
150	38.9	115.9	5,900	5,600	5,300	5,000	40.5	111.1	6,000	5,700	5,400	5,100	150
155	36.2	108.9	5,400	5,200	4,900	4,700	37.6	103.7	5,500	5,200	5,000	4,700	155
160	33.2	101.1	5,000	4,800	4,500	4,300	34.5	95.5	5,100	4,800	4,600	4,400	160
165	30.1	92.3	4,600	4,400	4,200	4,000	31.1	86.0	4,600	4,400	4,200	4,000	165
170	26.5	82.1	4,200	4,100	3,900	3,700							170
175	22.3	70.0	3,700	3,600	3,500	3,400							175

MLC80A-1 S-2

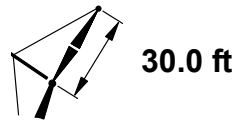
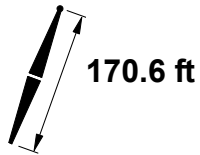
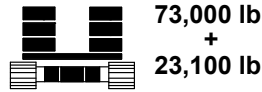


73,000 lb
+
23,100 lb



	10°							30°						
	ft	°	0°	1°	2°	3°	°	ft	0°	1°	2°	3°	ft	
42	80.7	194.8	27,600										42	
44	80.1	194.4	27,600										44	
46	79.5	193.9	27,600	26,500									46	
48	78.8	193.5	27,600	26,400	22,000								48	
50	78.2	193.0	27,600	26,400	22,000		80.7	190.0	20,800				50	
55	76.7	191.7	27,600	26,300	21,800	17,000	79.1	188.7	20,200	19,800			55	
60	75.1	190.3	27,200	24,900	21,700	16,900	77.6	187.3	19,600	19,200	17,600	14,700	60	
65	73.6	188.7	24,200	22,300	20,600	16,900	76.0	185.6	19,100	18,700	17,500	14,700	65	
70	72.0	186.9	21,700	20,100	18,600	16,800	74.3	183.9	18,600	18,300	17,400	14,700	70	
75	70.4	185.0	19,600	18,200	16,900	15,700	72.7	182.0	18,100	17,800	17,400	14,700	75	
80	68.8	183.0	17,800	16,600	15,400	14,400	71.1	179.9	17,700	17,200	16,000	14,600	80	
85	67.1	180.8	16,200	15,100	14,100	13,200	69.4	177.6	16,800	15,700	14,600	13,700	85	
90	65.5	178.4	14,800	13,900	13,000	12,100	67.7	175.1	15,300	14,300	13,400	12,600	90	
95	63.8	175.8	13,600	12,700	11,900	11,200	66.0	172.5	14,000	13,200	12,300	11,600	95	
100	62.1	173.0	12,500	11,700	11,000	10,300	64.3	169.7	12,900	12,100	11,400	10,700	100	
105	60.3	170.0	11,500	10,800	10,100	9,500	62.5	166.6	11,800	11,100	10,500	9,800	105	
110	58.5	166.8	10,600	9,900	9,300	8,800	60.7	163.4	10,900	10,300	9,700	9,100	110	
115	56.7	163.4	9,700	9,200	8,600	8,100	58.8	159.9	10,100	9,500	8,900	8,400	115	
120	54.9	159.8	9,000	8,500	8,000	7,500	56.9	156.2	9,300	8,800	8,300	7,800	120	
125	53.0	155.9	8,300	7,800	7,400	7,000	55.0	152.2	8,600	8,100	7,600	7,200	125	
130	51.0	151.7	7,700	7,300	6,800	6,400	53.0	147.9	7,900	7,500	7,100	6,600	130	
135	49.0	147.2	7,100	6,700	6,300	6,000	50.9	143.3	7,300	6,900	6,500	6,100	135	
140	46.9	142.4	6,600	6,200	5,800	5,500	48.8	138.3	6,700	6,400	6,000	5,700	140	
145	44.8	137.2	6,100	5,700	5,400	5,100	46.5	132.9	6,200	5,900	5,600	5,200	145	
150	42.5	131.6	5,600	5,300	5,000	4,700	44.2	127.1	5,700	5,400	5,100	4,800	150	
155	40.2	125.5	5,100	4,900	4,600	4,300	41.8	120.8	5,300	5,000	4,700	4,400	155	
160	37.7	118.9	4,700	4,500	4,200	4,000	39.2	113.9	4,800	4,600	4,300	4,100	160	
165	35.1	111.6	4,400	4,100	3,900	3,700	36.4	106.2	4,400	4,200	4,000	3,700	165	
170	32.2	103.5	4,000	3,800	3,600	3,400	33.4	97.7	4,000	3,800	3,600	3,400	170	
175	29.1	94.4	3,600	3,400	3,300	3,100							175	
180	25.6	83.8	3,100	2,900	2,800	2,700							180	
185	21.6	71.2	2,500	2,500	2,400	2,300							185	

MLC80A-1 S-2

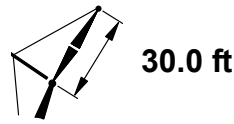
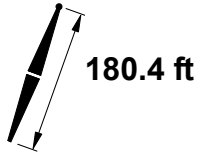


	10°								30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	
44	80.6	204.4	27,600												44	
46	80.0	204.0	27,600	26,100											46	
48	79.4	203.6	27,600	26,100											48	
50	78.8	203.1	27,600	26,000	19,600										50	
55	77.4	201.9	27,600	25,900	19,400	15,000		79.7	198.9	20,400	20,000				55	
60	75.9	200.5	26,900	24,500	19,300	14,900		78.2	197.5	19,800	19,500	17,100			60	
65	74.4	199.0	24,000	22,000	19,200	14,800		76.7	196.0	19,300	19,000	17,100	13,100		65	
70	72.9	197.4	21,500	19,800	18,300	14,700		75.2	194.3	18,800	18,500	17,000	13,100		70	
75	71.4	195.6	19,400	17,900	16,600	14,700		73.6	192.5	18,300	18,100	16,900	13,100		75	
80	69.9	193.6	17,600	16,300	15,100	14,000		72.1	190.5	17,900	16,900	15,700	13,000		80	
85	68.3	191.5	16,000	14,900	13,800	12,800		70.5	188.4	16,600	15,400	14,300	12,900		85	
90	66.7	189.3	14,600	13,600	12,700	11,800		68.9	186.1	15,100	14,100	13,100	12,300		90	
95	65.2	186.9	13,400	12,500	11,600	10,800		67.3	183.6	13,800	12,900	12,100	11,300		95	
100	63.6	184.3	12,200	11,400	10,700	10,000		65.7	181.0	12,700	11,900	11,100	10,400		100	
105	61.9	181.5	11,300	10,500	9,800	9,200		64.0	178.1	11,600	10,900	10,200	9,600		105	
110	60.3	178.5	10,400	9,700	9,100	8,500		62.3	175.1	10,700	10,000	9,400	8,800		110	
115	58.6	175.3	9,500	8,900	8,400	7,800		60.6	171.9	9,900	9,300	8,700	8,100		115	
120	56.9	171.9	8,800	8,200	7,700	7,200		58.8	168.4	9,100	8,500	8,000	7,500		120	
125	55.1	168.3	8,100	7,600	7,100	6,700		57.1	164.7	8,400	7,900	7,400	6,900		125	
130	53.3	164.5	7,500	7,000	6,600	6,200		55.2	160.8	7,700	7,300	6,800	6,400		130	
135	51.5	160.4	6,900	6,500	6,100	5,700		53.3	156.5	7,100	6,700	6,300	5,900		135	
140	49.6	156.0	6,400	6,000	5,600	5,200		51.4	152.0	6,600	6,200	5,800	5,400		140	
145	47.6	151.3	5,900	5,500	5,200	4,800		49.4	147.2	6,000	5,700	5,300	5,000		145	
150	45.6	146.2	5,400	5,100	4,700	4,400		47.3	142.0	5,500	5,200	4,900	4,600		150	
155	43.5	140.8	5,000	4,700	4,400	4,100		45.1	136.4	5,100	4,800	4,500	4,200		155	
160	41.3	135.0	4,500	4,300	4,000	3,700		42.9	130.4	4,700	4,400	4,100	3,800		160	
165	39.0	128.7	4,200	3,900	3,700	3,400		40.5	123.8	4,300	4,000	3,700	3,500		165	
170	36.6	121.8	3,800	3,600	3,300	3,100		37.9	116.6	3,900	3,600	3,400	3,200		170	
175	34.0	114.2	3,500	3,200	3,000	2,800		35.2	108.7	3,500	3,300	3,100	2,900		175	
180	31.3	105.8	3,000	2,900	2,700	2,500		32.3	99.8	3,100	2,900	2,800	2,600		180	
185	28.2	96.4	2,500	2,400	2,300	2,200									185	
190	24.8	85.5	2,100	2,000											190	

MLC80A-1 S-2

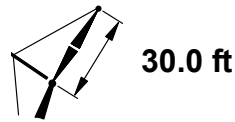
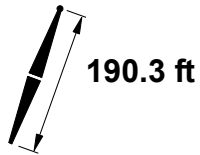


73,000 lb
+
23,100 lb



	10°							30°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
46	80.5	214.0	27,600											46
48	79.9	213.6	27,600	23,100										48
50	79.3	213.2	27,600	23,100										50
55	78.0	212.0	27,600	22,900	17,200	13,100		80.2	209.0	20,500				55
60	76.6	210.7	26,700	22,800	17,100	13,100		78.8	207.7	20,000	19,600	15,300		60
65	75.1	209.3	23,700	21,600	17,000	13,000		77.3	206.3	19,500	19,200	15,300	11,600	65
70	73.7	207.7	21,300	19,500	16,900	12,900		75.9	204.7	19,000	18,700	15,300	11,500	70
75	72.3	206.0	19,200	17,600	16,200	12,800		74.4	202.9	18,600	18,300	15,200	11,500	75
80	70.8	204.2	17,300	16,000	14,800	12,800		73.0	201.1	18,000	16,600	15,100	11,400	80
85	69.4	202.2	15,700	14,600	13,500	12,500		71.5	199.1	16,300	15,100	14,000	11,400	85
90	67.9	200.1	14,300	13,300	12,300	11,400		70.0	196.9	14,900	13,800	12,800	11,400	90
95	66.4	197.8	13,100	12,200	11,300	10,500		68.5	194.6	13,600	12,600	11,800	10,900	95
100	64.9	195.4	12,000	11,100	10,400	9,600		66.9	192.1	12,500	11,600	10,800	10,000	100
105	63.4	192.7	11,000	10,200	9,500	8,800		65.4	189.4	11,400	10,600	9,900	9,200	105
110	61.8	189.9	10,100	9,400	8,700	8,100		63.8	186.6	10,500	9,800	9,100	8,500	110
115	60.2	187.0	9,300	8,600	8,100	7,500		62.2	183.5	9,600	9,000	8,400	7,800	115
120	58.6	183.8	8,500	8,000	7,400	6,900		60.5	180.3	8,900	8,300	7,700	7,200	120
125	57.0	180.4	7,800	7,300	6,800	6,300		58.9	176.9	8,100	7,600	7,100	6,600	125
130	55.3	176.9	7,200	6,700	6,300	5,800		57.2	173.2	7,500	7,000	6,500	6,100	130
135	53.6	173.1	6,600	6,200	5,800	5,400		55.4	169.3	6,900	6,400	6,000	5,600	135
140	51.9	169.0	6,100	5,700	5,300	4,900		53.6	165.2	6,300	5,900	5,500	5,100	140
145	50.1	164.7	5,600	5,200	4,900	4,500		51.8	160.8	5,800	5,400	5,000	4,700	145
150	48.2	160.1	5,100	4,800	4,400	4,100		49.9	156.1	5,300	5,000	4,600	4,300	150
155	46.3	155.2	4,700	4,400	4,100	3,800		48.0	151.0	4,900	4,500	4,200	3,900	155
160	44.4	150.0	4,300	4,000	3,700	3,400		45.9	145.6	4,400	4,100	3,800	3,500	160
165	42.3	144.3	3,900	3,600	3,400	3,100		43.8	139.8	4,000	3,700	3,500	3,200	165
170	40.2	138.3	3,500	3,300	3,000	2,800		41.6	133.5	3,600	3,400	3,100	2,900	170
175	38.0	131.7	3,200	3,000	2,700	2,500		39.3	126.7	3,300	3,000	2,800	2,600	175
180	35.6	124.6	2,800	2,600	2,400	2,200		36.8	119.2	2,900	2,700	2,500	2,300	180
185	33.1	116.8	2,300	2,200	2,100			34.2	111.0	2,400	2,300	2,100	2,000	185
190								31.3	101.8	2,000				190

MLC80A-1 S-2

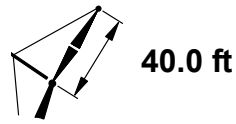
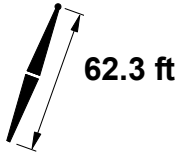


	10°								30°							
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft		
46	80.9	224.0	27,600											46		
48	80.4	223.7	27,600											48		
50	79.8	223.2	27,600	20,400										50		
55	78.5	222.1	27,000	20,400	15,200			80.6	219.1	20,700				55		
60	77.2	220.9	26,200	20,300	15,200	11,400		79.3	217.9	20,200	18,300			60		
65	75.8	219.5	23,400	20,100	15,100	11,400		77.9	216.5	19,700	18,200	13,500	10,200	65		
70	74.5	218.1	21,000	19,100	15,100	11,300		76.6	215.0	19,200	18,100	13,500	10,200	70		
75	73.1	216.5	18,900	17,300	15,000	11,300		75.2	213.3	18,800	18,000	13,500	10,100	75		
80	71.7	214.7	17,000	15,600	14,400	11,200		73.8	211.6	17,700	16,300	13,500	10,100	80		
85	70.4	212.8	15,500	14,200	13,100	11,200		72.4	209.7	16,100	14,800	13,500	10,100	85		
90	69.0	210.8	14,100	13,000	11,900	11,000		71.0	207.6	14,600	13,500	12,500	10,100	90		
95	67.5	208.6	12,800	11,800	10,900	10,100		69.5	205.4	13,300	12,300	11,400	10,100	95		
100	66.1	206.3	11,700	10,800	10,000	9,200		68.1	203.1	12,200	11,300	10,500	9,700	100		
105	64.7	203.8	10,700	9,900	9,200	8,500		66.6	200.5	11,200	10,300	9,600	8,900	105		
110	63.2	201.2	9,800	9,100	8,400	7,800		65.1	197.9	10,200	9,500	8,800	8,100	110		
115	61.7	198.4	9,000	8,300	7,700	7,100		63.6	195.0	9,400	8,700	8,100	7,500	115		
120	60.2	195.4	8,200	7,600	7,100	6,500		62.1	192.0	8,600	8,000	7,400	6,900	120		
125	58.7	192.3	7,600	7,000	6,500	6,000		60.5	188.8	7,900	7,300	6,800	6,300	125		
130	57.1	189.0	6,900	6,400	5,900	5,500		58.9	185.4	7,200	6,700	6,200	5,800	130		
135	55.5	185.4	6,300	5,900	5,400	5,000		57.3	181.8	6,600	6,100	5,700	5,300	135		
140	53.9	181.6	5,800	5,400	5,000	4,600		55.6	177.9	6,100	5,600	5,200	4,800	140		
145	52.2	177.6	5,300	4,900	4,500	4,200		53.9	173.8	5,500	5,100	4,700	4,400	145		
150	50.5	173.4	4,800	4,500	4,100	3,800		52.2	169.5	5,000	4,700	4,300	4,000	150		
155	48.8	168.9	4,400	4,100	3,700	3,400		50.4	164.9	4,600	4,200	3,900	3,600	155		
160	47.0	164.1	4,000	3,700	3,400	3,100		48.6	160.0	4,200	3,800	3,500	3,200	160		
165	45.2	159.0	3,600	3,300	3,000	2,800		46.7	154.7	3,800	3,500	3,200	2,900	165		
170	43.2	153.6	3,300	3,000	2,700	2,500		44.7	149.1	3,400	3,100	2,800	2,600	170		
175	41.2	147.7	2,900	2,700	2,400	2,200		42.6	143.1	3,000	2,800	2,500	2,300	175		
180	39.2	141.4	2,500	2,300	2,100			40.5	136.6	2,700	2,400	2,200	2,000	180		
185	37.0	134.7	2,100					38.2	129.5	2,200	2,000			185		

MLC80A-1 S-2

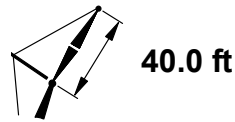
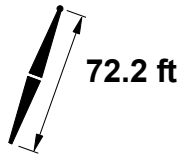
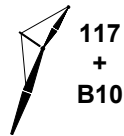


73,000 lb
+
23,100 lb



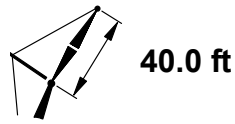
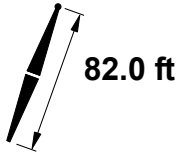
	10°						30°							
ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft	
30	80.9	106.8	26,500											30
32	79.7	106.3	26,200	23,000										32
34	78.6	105.7	25,900	22,800	20,000									34
36	77.4	105.1	25,700	22,700	19,900	17,800								36
38	76.2	104.4	25,400	22,400	19,800	17,700								38
40	75.0	103.7	25,200	22,300	19,600	17,600								40
42	73.8	102.9	25,000	22,100	19,500	17,400	80.1	99.8	16,400					42
44	72.6	102.1	24,700	21,900	19,300	17,300	78.8	99.0	16,100	15,800	15,500			44
46	71.4	101.3	24,600	21,800	19,200	17,200	77.6	98.1	15,700	15,400	15,200	13,800		46
48	70.2	100.4	24,300	21,600	19,100	17,100	76.3	97.1	15,300	15,100	14,800	13,600		48
50	69.0	99.4	24,100	21,500	19,000	17,000	75.0	96.2	15,000	14,800	14,500	13,400		50
55	65.8	96.8	23,700	21,100	18,700	16,800	71.8	93.4	14,300	14,100	13,900	13,000		55
60	62.6	93.8	23,300	20,800	18,500	16,700	68.4	90.3	13,600	13,400	13,300	12,600		60
65	59.2	90.4	22,500	20,500	18,200	16,500	64.9	86.8	13,000	12,900	12,700	12,200		65
70	55.7	86.5	21,100	20,300	18,000	16,300	61.2	82.7	12,500	12,400	12,200	11,900		70
75	52.0	82.2	19,900	19,300	17,900	16,200	57.3	78.1	12,000	11,900	11,800	11,600		75
80	48.1	77.2	18,900	18,200	17,500	16,000	53.1	72.8	11,600	11,500	11,500	11,300		80
85	43.8	71.4	17,900	17,300	16,700	15,900	48.6	66.6	11,300	11,200	11,100	11,000		85
90	39.1	64.6	17,100	16,600	16,100	15,500	43.4	59.2	11,000	10,900	10,900	10,900		90
95	33.8	56.4	16,200	15,800	15,400	15,000	37.4	49.9	10,800	10,700	10,700	10,700		95
100	27.3	45.9	15,000	14,700	14,400	14,100								100

MLC80A-1 S-2



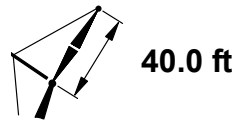
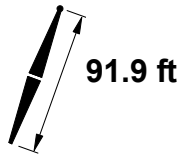
	10°							30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
32	80.6	116.4	26,300												32
34	79.6	115.9	26,100	22,900											34
36	78.5	115.3	25,900	22,800	20,000										36
38	77.5	114.7	25,600	22,600	19,800	17,700									38
40	76.4	114.1	25,400	22,400	19,700	17,600									40
42	75.3	113.4	25,300	22,200	19,600	17,500	81.0	110.1	16,700						42
44	74.2	112.7	25,000	22,100	19,500	17,400	79.9	109.4	16,400	16,100					44
46	73.2	111.9	24,800	21,900	19,400	17,300	78.8	108.6	16,000	15,700	15,400				46
48	72.1	111.1	24,700	21,800	19,300	17,300	77.6	107.7	15,700	15,400	15,200	13,200			48
50	71.0	110.2	24,500	21,700	19,100	17,200	76.5	106.9	15,400	15,100	14,900	13,200			50
55	68.2	107.9	24,100	21,300	18,900	17,000	73.6	104.4	14,700	14,400	14,200	13,200			55
60	65.3	105.2	23,600	21,000	18,600	16,700	70.6	101.7	14,000	13,800	13,600	13,200			60
65	62.3	102.2	23,300	20,700	18,400	16,600	67.5	98.6	13,400	13,300	13,100	12,900			65
70	59.3	98.9	22,500	20,500	18,200	16,400	64.4	95.1	12,900	12,800	12,600	12,500			70
75	56.1	95.1	21,200	20,300	18,000	16,300	61.0	91.1	12,500	12,300	12,200	12,100			75
80	52.8	90.9	20,100	19,500	18,000	16,200	57.5	86.7	12,000	11,900	11,800	11,700			80
85	49.2	86.1	18,700	18,000	17,400	16,100	53.8	81.7	11,700	11,600	11,500	11,400			85
90	45.5	80.7	17,200	16,700	16,200	15,700	49.8	75.9	11,400	11,300	11,200	11,200			90
95	41.4	74.5	16,000	15,500	15,100	14,600	45.5	69.2	11,100	11,000	11,000	10,900			95
100	37.0	67.2	14,900	14,500	14,100	13,700	40.6	61.2	10,900	10,800	10,800	10,800			100
105	31.8	58.4	13,800	13,500	13,200	12,800	34.8	51.3	10,700	10,700	10,700	10,700			105
110	25.6	47.2	12,900	12,600	12,300	12,100									110

MLC80A-1 S-2



	10°							30°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
34	80.4	126.0	26,200											34
36	79.5	125.5	26,100	22,800										36
38	78.5	124.9	25,800	22,700	19,900									38
40	77.5	124.4	25,600	22,500	19,800	17,700								40
42	76.6	123.7	25,500	22,400	19,700	17,500								42
44	75.6	123.1	25,300	22,300	19,500	17,500	80.8	119.7	16,600					44
46	74.6	122.4	25,100	22,100	19,400	17,400	79.8	119.0	16,300	16,000				46
48	73.6	121.6	24,900	22,000	19,300	17,300	78.7	118.2	16,000	15,700	15,400			48
50	72.6	120.9	24,700	21,800	19,200	17,300	77.7	117.4	15,700	15,400	15,200	12,800		50
55	70.0	118.7	24,400	21,600	19,000	17,100	75.1	115.2	15,000	14,800	14,500	12,800		55
60	67.5	116.4	24,000	21,300	18,800	16,900	72.4	112.7	14,400	14,200	14,000	12,800		60
65	64.8	113.7	23,600	21,000	18,600	16,700	69.7	110.0	13,800	13,600	13,400	12,800		65
70	62.1	110.7	23,300	20,800	18,400	16,500	66.8	106.9	13,300	13,100	13,000	12,800		70
75	59.3	107.4	21,800	20,600	18,300	16,400	63.9	103.4	12,800	12,700	12,600	12,400		75
80	56.4	103.7	20,000	19,200	18,100	16,400	60.9	99.6	12,400	12,300	12,200	12,100		80
85	53.3	99.6	18,400	17,700	17,000	16,200	57.7	95.3	12,100	11,900	11,800	11,700		85
90	50.2	95.0	17,000	16,400	15,800	15,200	54.4	90.4	11,700	11,600	11,500	11,500		90
95	46.8	89.8	15,700	15,200	14,700	14,200	50.8	85.0	11,400	11,300	11,300	11,200		95
100	43.2	84.0	14,600	14,100	13,700	13,300	47.0	78.8	11,200	11,100	11,000	11,000		100
105	39.4	77.4	13,600	13,200	12,800	12,400	42.8	71.6	10,900	10,900	10,900	10,800		105
110	35.1	69.7	12,700	12,300	12,000	11,700	38.1	63.1	10,800	10,700	10,700	10,700		110
115	30.1	60.4	11,800	11,500	11,200	10,900	32.5	52.5	10,700	10,700	10,700	10,700		115
120	24.1	48.5	11,100	10,800	10,600	10,300								120

MLC80A-1 S-2

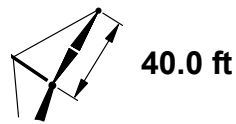
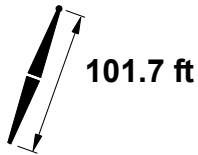


	10°							30°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
36	80.3	135.6	26,200											36
38	79.4	135.1	25,900	22,700										38
40	78.5	134.6	25,800	22,600	19,800									40
42	77.6	134.0	25,600	22,500	19,700	17,500								42
44	76.7	133.4	25,400	22,300	19,600	17,500								44
46	75.8	132.8	25,300	22,200	19,500	17,400	80.6	129.3	16,500					46
48	74.9	132.1	25,100	22,100	19,400	17,300	79.6	128.6	16,200	15,900				48
50	73.9	131.4	25,000	22,000	19,300	17,300	78.7	127.8	16,000	15,700	15,200			50
55	71.6	129.4	24,600	21,700	19,100	17,100	76.3	125.8	15,300	15,000	14,800	12,500		55
60	69.3	127.3	24,300	21,400	18,900	17,000	73.9	123.6	14,700	14,500	14,200	12,500		60
65	66.9	124.8	23,900	21,200	18,700	16,800	71.4	121.1	14,100	13,900	13,800	12,500		65
70	64.4	122.1	23,700	21,000	18,500	16,700	68.8	118.3	13,700	13,500	13,300	12,500		70
75	61.9	119.1	21,700	20,700	18,400	16,500	66.2	115.2	13,200	13,000	12,900	12,500		75
80	59.3	115.8	19,800	19,000	18,100	16,400	63.5	111.8	12,800	12,600	12,500	12,400		80
85	56.6	112.2	18,200	17,500	16,800	16,100	60.8	108.0	12,400	12,300	12,200	12,100		85
90	53.8	108.2	16,800	16,200	15,500	14,900	57.9	103.8	12,100	12,000	11,900	11,800		90
95	51.0	103.8	15,600	15,000	14,400	13,900	54.8	99.2	11,800	11,700	11,600	11,500		95
100	47.9	98.8	14,500	13,900	13,400	13,000	51.6	94.0	11,500	11,400	11,300	11,300		100
105	44.7	93.4	13,400	13,000	12,600	12,100	48.2	88.2	11,200	11,200	11,100	11,100		105
110	41.3	87.2	12,500	12,100	11,700	11,400	44.6	81.6	11,000	11,000	10,900	10,900		110
115	37.5	80.1	11,700	11,300	11,000	10,700	40.5	73.9	10,800	10,800	10,800	10,800		115
120	33.4	72.0	10,900	10,600	10,300	10,000	35.9	64.9	10,700	10,700	10,400	10,100		120
125	28.6	62.2	10,200	10,000	9,700	9,400								125
130	22.8	49.6	9,600	9,300	9,100	8,900								130

MLC80A-1 S-2

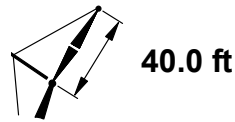
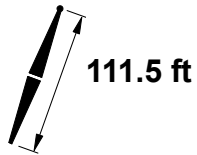
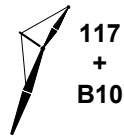


73,000 lb
+
23,100 lb



	10°							30°						
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft
36	81.0	145.7	26,100											36
38	80.1	145.2	26,000											38
40	79.3	144.7	25,800	22,600										40
42	78.5	144.2	25,700	22,500	19,700									42
44	77.6	143.7	25,500	22,400	19,600	17,500								44
46	76.8	143.1	25,400	22,200	19,500	17,400								46
48	76.0	142.4	25,200	22,200	19,400	17,300	80.4	138.8	16,500					48
50	75.1	141.8	25,100	22,100	19,300	17,300	79.5	138.2	16,200	15,900				50
55	73.0	140.0	24,800	21,800	19,200	17,100	77.3	136.3	15,600	15,300	14,700	12,200		55
60	70.8	138.0	24,500	21,600	19,000	17,000	75.1	134.3	15,000	14,700	14,500	12,200		60
65	68.6	135.8	24,200	21,400	18,800	16,800	72.8	132.0	14,500	14,200	14,000	12,200		65
70	66.3	133.3	23,500	21,200	18,700	16,700	70.5	129.4	14,000	13,800	13,600	12,200		70
75	64.1	130.6	21,400	20,300	18,600	16,600	68.2	126.6	13,500	13,300	13,200	12,200		75
80	61.7	127.6	19,600	18,600	17,800	16,500	65.7	123.5	13,100	13,000	12,800	12,200		80
85	59.3	124.3	18,000	17,200	16,400	15,700	63.2	120.2	12,700	12,600	12,500	12,200		85
90	56.8	120.7	16,600	15,900	15,200	14,500	60.7	116.4	12,400	12,300	12,100	12,000		90
95	54.3	116.8	15,300	14,700	14,100	13,500	58.0	112.3	12,100	12,000	11,900	11,800		95
100	51.6	112.5	14,200	13,600	13,100	12,600	55.2	107.8	11,800	11,700	11,600	11,500		100
105	48.8	107.8	13,200	12,700	12,200	11,700	52.3	102.9	11,500	11,400	11,400	11,300		105
110	45.9	102.5	12,300	11,800	11,400	11,000	49.2	97.3	11,300	11,200	11,200	11,100		110
115	42.8	96.7	11,400	11,000	10,700	10,300	46.0	91.2	11,100	11,000	10,900	10,500		115
120	39.5	90.2	10,700	10,300	10,000	9,700	42.4	84.2	10,800	10,500	10,200	9,800		120
125	35.9	82.8	10,000	9,700	9,400	9,100	38.5	76.1	10,100	9,800	9,500	9,200		125
130	31.9	74.2	9,300	9,100	8,800	8,500	34.1	66.6	9,400	9,100	8,900	8,600		130
135	27.3	63.9	8,700	8,500	8,300	8,000								135
140	21.6	50.7	8,200	8,000	7,800	7,600								140

MLC80A-1 S-2

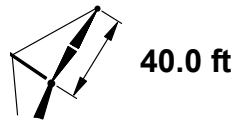
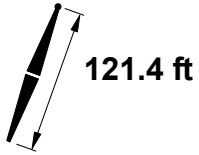


	10°							30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
38	80.8	155.3	26,000												38
40	80.0	154.9	25,900												40
42	79.2	154.4	25,700	22,400											42
44	78.5	153.8	25,600	22,400	19,500										44
46	77.7	153.3	25,500	22,200	19,500	17,300									46
48	76.9	152.7	25,300	22,200	19,400	17,300									48
50	76.1	152.1	25,200	22,000	19,400	17,200	80.3	148.4	16,400						50
55	74.1	150.4	24,900	21,900	19,200	17,100	78.2	146.7	15,800	15,500	14,400				55
60	72.1	148.6	24,600	21,600	19,000	17,000	76.2	144.8	15,200	15,000	14,400	12,000			60
65	70.1	146.5	24,400	21,500	18,900	16,900	74.1	142.7	14,700	14,500	14,300	12,000			65
70	68.0	144.3	23,300	21,200	18,700	16,800	71.9	140.4	14,300	14,000	13,800	12,000			70
75	65.9	141.8	21,200	20,000	18,600	16,700	69.8	137.8	13,800	13,600	13,400	12,000			75
80	63.8	139.0	19,400	18,400	17,400	16,500	67.6	135.0	13,400	13,200	13,100	12,000			80
85	61.6	136.1	17,800	16,900	16,100	15,300	65.3	131.9	13,000	12,900	12,700	12,000			85
90	59.3	132.8	16,300	15,600	14,800	14,200	63.0	128.5	12,700	12,600	12,400	12,000			90
95	57.0	129.3	15,100	14,400	13,800	13,100	60.6	124.9	12,400	12,200	12,100	12,000			95
100	54.6	125.4	14,000	13,400	12,800	12,200	58.1	120.9	12,100	12,000	11,900	11,800			100
105	52.2	121.2	13,000	12,400	11,900	11,400	55.5	116.5	11,800	11,700	11,600	11,500			105
110	49.6	116.6	12,100	11,600	11,100	10,700	52.9	111.7	11,600	11,500	11,400	10,900			110
115	46.9	111.6	11,200	10,800	10,400	10,000	50.1	106.4	11,300	11,000	10,600	10,200			115
120	44.1	106.0	10,500	10,100	9,700	9,300	47.1	100.6	10,700	10,300	9,900	9,500			120
125	41.1	99.9	9,800	9,400	9,100	8,700	43.9	94.0	9,900	9,600	9,300	8,900			125
130	37.9	93.0	9,100	8,800	8,500	8,200	40.5	86.7	9,300	9,000	8,600	8,400			130
135	34.5	85.3	8,500	8,300	8,000	7,700	36.7	78.2	8,600	8,400	8,100	7,800			135
140	30.6	76.3	8,000	7,700	7,500	7,200	32.4	68.2	8,000	7,800	7,600	7,300			140
145	26.1	65.5	7,500	7,200	7,000	6,800									145
150	20.6	51.6	6,800	6,700	6,600	6,400									150

MLC80A-1 S-2

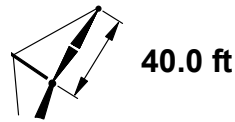
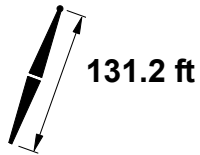


73,000 lb
+
23,100 lb



	10°							30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
40	80.6	164.9	25,900												40
42	79.9	164.5	25,700	22,400											42
44	79.2	164.0	25,600	22,300											44
46	78.5	163.5	25,500	22,200	19,400										46
48	77.7	162.9	25,400	22,200	19,300	17,200									48
50	77.0	162.4	25,300	22,100	19,200	17,200	80.9	158.6	16,600						50
55	75.1	160.8	25,000	21,800	19,100	17,000	79.0	157.0	16,000	15,700	14,100				55
60	73.3	159.1	24,800	21,600	19,000	16,900	77.1	155.3	15,500	15,200	14,100	11,700			60
65	71.4	157.2	24,500	21,500	18,900	16,800	75.1	153.3	15,000	14,700	14,100	11,700			65
70	69.4	155.1	23,100	21,300	18,700	16,700	73.2	151.1	14,500	14,300	14,000	11,700			70
75	67.5	152.8	20,900	19,700	18,600	16,700	71.2	148.8	14,100	13,900	13,700	11,700			75
80	65.5	150.2	19,100	18,000	17,000	16,100	69.1	146.2	13,700	13,500	13,300	11,700			80
85	63.5	147.5	17,500	16,600	15,700	14,900	67.0	143.4	13,300	13,100	13,000	11,700			85
90	61.4	144.5	16,100	15,300	14,500	13,800	64.9	140.3	13,000	12,800	12,700	11,700			90
95	59.3	141.3	14,800	14,100	13,400	12,800	62.7	136.9	12,700	12,500	12,400	11,700			95
100	57.2	137.8	13,700	13,100	12,400	11,900	60.5	133.3	12,400	12,200	12,100	11,700			100
105	54.9	134.0	12,700	12,100	11,600	11,000	58.2	129.4	12,100	12,000	11,900	11,400			105
110	52.7	129.9	11,800	11,300	10,800	10,300	55.8	125.1	11,800	11,600	11,100	10,600			110
115	50.3	125.4	11,000	10,500	10,000	9,600	53.3	120.5	11,300	10,800	10,300	9,900			115
120	47.8	120.5	10,200	9,800	9,400	9,000	50.8	115.4	10,500	10,000	9,600	9,200			120
125	45.2	115.2	9,500	9,100	8,800	8,400	48.1	109.8	9,700	9,300	9,000	8,600			125
130	42.5	109.4	8,900	8,500	8,200	7,900	45.2	103.6	9,100	8,700	8,400	8,000			130
135	39.6	103.0	8,300	8,000	7,700	7,400	42.1	96.8	8,400	8,100	7,800	7,500			135
140	36.5	95.8	7,700	7,400	7,200	6,900	38.8	89.1	7,800	7,600	7,300	7,000			140
145	33.1	87.6	7,200	7,000	6,700	6,500	35.1	80.2	7,300	7,000	6,800	6,600			145
150	29.4	78.2	6,700	6,500	6,300	6,100									150
155	25.0	67.0	6,300	6,100	5,900	5,700									155

MLC80A-1 S-2

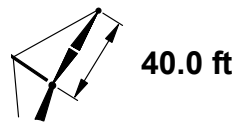
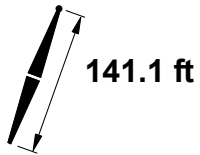


	10°								30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	
42	80.5	174.6	25,700												42	
44	79.8	174.1	25,600	22,200											44	
46	79.1	173.6	25,400	22,100											46	
48	78.4	173.1	25,400	22,100	19,300										48	
50	77.8	172.6	25,200	22,000	19,200	17,100									50	
55	76.0	171.1	25,000	21,800	19,100	16,900	79.7	167.3	16,200	15,900					55	
60	74.3	169.5	24,800	21,600	18,900	16,900	77.9	165.7	15,700	15,400	13,800	11,500			60	
65	72.5	167.7	24,500	21,500	18,800	16,800	76.1	163.8	15,200	15,000	13,800	11,500			65	
70	70.7	165.8	22,800	21,300	18,700	16,700	74.2	161.8	14,800	14,500	13,700	11,500			70	
75	68.9	163.6	20,700	19,400	18,300	16,600	72.4	159.6	14,300	14,100	13,700	11,500			75	
80	67.0	161.3	18,900	17,800	16,700	15,800	70.5	157.2	13,900	13,700	13,600	11,500			80	
85	65.2	158.7	17,300	16,300	15,400	14,500	68.5	154.6	13,600	13,400	13,200	11,500			85	
90	63.3	156.0	15,900	15,000	14,200	13,400	66.6	151.7	13,200	13,100	12,900	11,500			90	
95	61.3	153.0	14,600	13,900	13,100	12,400	64.6	148.7	12,900	12,800	12,600	11,500			95	
100	59.3	149.8	13,500	12,800	12,200	11,500	62.5	145.4	12,600	12,500	12,400	11,500			100	
105	57.3	146.3	12,500	11,900	11,300	10,700	60.4	141.8	12,300	12,200	11,700	11,100			105	
110	55.2	142.6	11,600	11,000	10,500	10,000	58.3	137.9	12,000	11,400	10,900	10,300			110	
115	53.1	138.5	10,800	10,300	9,800	9,300	56.1	133.7	11,100	10,600	10,100	9,600			115	
120	50.9	134.2	10,000	9,600	9,100	8,700	53.8	129.2	10,300	9,800	9,400	9,000			120	
125	48.6	129.4	9,300	8,900	8,500	8,100	51.4	124.3	9,600	9,200	8,800	8,400			125	
130	46.2	124.3	8,700	8,300	7,900	7,600	48.9	118.9	8,900	8,500	8,200	7,800			130	
135	43.7	118.7	8,100	7,800	7,400	7,100	46.2	113.0	8,300	7,900	7,600	7,300			135	
140	41.0	112.6	7,600	7,200	6,900	6,600	43.5	106.6	7,700	7,400	7,100	6,800			140	
145	38.2	105.9	7,000	6,800	6,500	6,200	40.5	99.4	7,200	6,900	6,600	6,300			145	
150	35.2	98.4	6,600	6,300	6,100	5,800	37.2	91.3	6,700	6,400	6,200	5,900			150	
155	32.0	89.9	6,100	5,900	5,700	5,400	33.6	82.1	6,200	6,000	5,700	5,500			155	
160	28.3	80.1	5,700	5,500	5,300	5,100									160	
165	24.0	68.4	5,300	5,100	4,900	4,800									165	

MLC80A-1 S-2

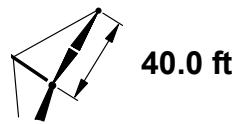
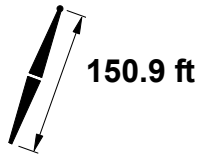
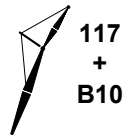


73,000 lb
+
23,100 lb



	10°							30°															
			0°				1°						0°				1°						
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
44	80.4	184.2	25,500												44								
46	79.7	183.7	25,400	22,000											46								
48	79.1	183.3	25,300	21,900											48								
50	78.4	182.8	25,200	21,900	19,000										50								
55	76.8	181.4	25,000	21,700	19,000	16,800		80.3	177.5	16,400					55								
60	75.1	179.9	24,800	21,600	18,900	16,800		78.6	176.0	15,900	15,600	13,600			60								
65	73.5	178.2	24,600	21,400	18,800	16,700		76.9	174.2	15,400	15,200	13,500	11,300		65								
70	71.8	176.3	22,600	21,000	18,600	16,600		75.1	172.4	15,000	14,700	13,500	11,300		70								
75	70.1	174.3	20,500	19,100	17,900	16,500		73.4	170.3	14,600	14,300	13,400	11,300		75								
80	68.4	172.1	18,600	17,500	16,400	15,400		71.6	168.0	14,200	14,000	13,400	11,300		80								
85	66.6	169.8	17,000	16,000	15,000	14,100		69.8	165.6	13,800	13,600	13,400	11,300		85								
90	64.9	167.2	15,600	14,700	13,800	13,000		68.0	163.0	13,500	13,300	13,100	11,300		90								
95	63.1	164.4	14,400	13,600	12,800	12,100		66.2	160.1	13,200	13,000	12,900	11,300		95								
100	61.2	161.4	13,300	12,500	11,800	11,200		64.3	157.1	12,900	12,700	12,300	11,300		100								
105	59.3	158.2	12,300	11,600	11,000	10,400		62.4	153.8	12,600	12,000	11,400	10,800		105								
110	57.4	154.8	11,300	10,700	10,200	9,600		60.4	150.2	11,700	11,100	10,600	10,000		110								
115	55.5	151.1	10,500	10,000	9,500	9,000		58.4	146.4	10,900	10,300	9,800	9,300		115								
120	53.5	147.1	9,800	9,300	8,800	8,400		56.3	142.3	10,100	9,600	9,100	8,700		120								
125	51.4	142.9	9,100	8,600	8,200	7,800		54.1	137.9	9,400	8,900	8,500	8,100		125								
130	49.2	138.3	8,400	8,000	7,600	7,300		51.9	133.1	8,700	8,300	7,900	7,500		130								
135	47.0	133.3	7,800	7,500	7,100	6,800		49.6	127.9	8,100	7,700	7,300	7,000		135								
140	44.7	127.9	7,300	7,000	6,600	6,300		47.2	122.3	7,500	7,200	6,800	6,500		140								
145	42.3	122.1	6,800	6,500	6,200	5,900		44.6	116.2	7,000	6,600	6,300	6,100		145								
150	39.7	115.7	6,300	6,000	5,800	5,500		41.9	109.4	6,500	6,200	5,900	5,600		150								
155	37.0	108.7	5,900	5,600	5,400	5,100		39.0	101.9	6,000	5,700	5,500	5,200		155								
160	34.1	100.9	5,500	5,200	5,000	4,800		35.8	93.5	5,500	5,300	5,100	4,800		160								
165	30.9	92.1	5,100	4,800	4,600	4,400		32.3	83.9	5,100	4,900	4,700	4,500		165								
170	27.3	81.9	4,700	4,500	4,300	4,100									170								
175	23.1	69.7	4,300	4,200	4,000	3,800									175								

MLC80A-1 S-2

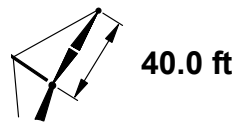
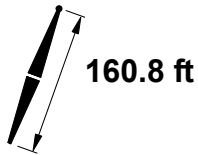


	10°							30°							
			0°						0°						
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	
44	80.9	194.3	25,300												44
46	80.3	193.8	25,200												46
48	79.7	193.4	25,200	21,800											48
50	79.0	192.9	25,100	21,700											50
55	77.5	191.6	24,900	21,600	18,800	15,900	80.8	187.7	16,600						55
60	75.9	190.2	24,700	21,400	18,700	15,900	79.2	186.2	16,100	15,800					60
65	74.4	188.6	24,500	21,300	18,600	15,800	77.6	184.6	15,600	15,300	13,300	11,100			65
70	72.8	186.8	22,400	20,700	18,500	15,800	76.0	182.8	15,200	14,900	13,200	11,100			70
75	71.2	184.9	20,200	18,800	17,500	15,800	74.3	180.9	14,800	14,500	13,200	11,100			75
80	69.6	182.9	18,400	17,200	16,000	15,000	72.7	178.8	14,400	14,200	13,200	11,100			80
85	67.9	180.7	16,800	15,700	14,700	13,800	71.0	176.5	14,000	13,800	13,100	11,100			85
90	66.3	178.3	15,400	14,400	13,500	12,700	69.3	174.0	13,700	13,500	13,100	11,100			90
95	64.6	175.7	14,100	13,300	12,500	11,700	67.6	171.4	13,400	13,200	13,000	11,100			95
100	62.9	172.9	13,000	12,200	11,500	10,800	65.8	168.5	13,100	12,800	12,000	11,100			100
105	61.1	169.9	12,000	11,300	10,700	10,000	64.0	165.5	12,500	11,800	11,100	10,500			105
110	59.4	166.7	11,100	10,500	9,900	9,300	62.2	162.2	11,500	10,900	10,300	9,700			110
115	57.5	163.3	10,300	9,700	9,200	8,600	60.3	158.7	10,700	10,100	9,500	9,000			115
120	55.7	159.7	9,500	9,000	8,500	8,000	58.4	154.9	9,900	9,400	8,900	8,400			120
125	53.8	155.8	8,800	8,400	7,900	7,500	56.5	150.9	9,200	8,700	8,200	7,800			125
130	51.8	151.6	8,200	7,800	7,300	6,900	54.4	146.6	8,500	8,100	7,600	7,200			130
135	49.8	147.1	7,600	7,200	6,800	6,500	52.4	141.9	7,900	7,500	7,100	6,700			135
140	47.7	142.2	7,100	6,700	6,300	6,000	50.2	136.9	7,300	6,900	6,600	6,200			140
145	45.6	137.1	6,600	6,200	5,900	5,600	47.9	131.5	6,800	6,400	6,100	5,800			145
150	43.3	131.4	6,100	5,800	5,500	5,200	45.6	125.6	6,300	6,000	5,700	5,400			150
155	41.0	125.4	5,600	5,400	5,100	4,800	43.1	119.2	5,800	5,500	5,200	5,000			155
160	38.5	118.7	5,200	5,000	4,700	4,500	40.5	112.1	5,400	5,100	4,800	4,600			160
165	35.8	111.4	4,800	4,600	4,400	4,100	37.6	104.4	4,900	4,700	4,500	4,200			165
170	33.0	103.3	4,500	4,300	4,000	3,800	34.6	95.6	4,500	4,300	4,100	3,900			170
175	29.9	94.2	4,100	3,900	3,700	3,500	31.1	85.6	4,200	4,000	3,800	3,600			175
180	26.4	83.6	3,700	3,600	3,400	3,300									180
185	22.3	71.0	3,200	3,100	3,000	2,900									185

MLC80A-1 S-2

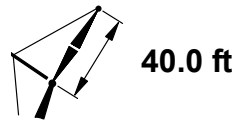
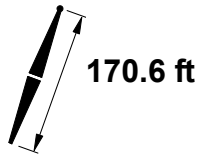


73,000 lb
+
23,100 lb



	10°							30°						
			73,000 lb + 23,100 lb						73,000 lb + 23,100 lb					
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
46	80.8	203.9	25,000											46
48	80.2	203.4	25,000											48
50	79.6	203.0	24,900	21,500										50
55	78.1	201.8	24,700	21,400	18,300									55
60	76.6	200.4	24,600	21,200	18,200	14,100		79.8	196.4	16,200	15,900			60
65	75.2	198.9	24,400	21,100	18,200	14,100		78.2	194.9	15,800	15,500	13,000		65
70	73.7	197.3	22,100	20,400	18,200	14,000		76.7	193.2	15,400	15,100	12,900	10,900	70
75	72.2	195.5	20,000	18,500	17,100	14,000		75.2	191.4	15,000	14,700	12,900	10,900	75
80	70.6	193.5	18,100	16,800	15,700	13,900		73.6	189.4	14,600	14,400	12,900	10,900	80
85	69.1	191.4	16,500	15,400	14,300	13,400		72.0	187.3	14,200	14,000	12,900	10,900	85
90	67.5	189.2	15,100	14,100	13,200	12,300		70.4	185.0	13,900	13,700	12,900	10,900	90
95	65.9	186.7	13,900	13,000	12,100	11,300		68.8	182.5	13,600	13,400	12,700	10,900	95
100	64.3	184.1	12,800	11,900	11,200	10,500		67.2	179.8	13,300	12,500	11,700	10,900	100
105	62.7	181.4	11,800	11,000	10,300	9,700		65.5	177.0	12,300	11,500	10,800	10,200	105
110	61.0	178.4	10,800	10,200	9,600	9,000		63.8	173.9	11,300	10,600	10,000	9,400	110
115	59.4	175.2	10,000	9,400	8,800	8,300		62.1	170.6	10,500	9,800	9,300	8,700	115
120	57.6	171.8	9,300	8,700	8,200	7,700		60.3	167.2	9,700	9,100	8,600	8,100	120
125	55.9	168.2	8,600	8,100	7,600	7,100		58.5	163.4	8,900	8,400	7,900	7,500	125
130	54.1	164.3	7,900	7,500	7,000	6,600		56.6	159.5	8,300	7,800	7,400	6,900	130
135	52.2	160.2	7,300	6,900	6,500	6,100		54.7	155.2	7,600	7,200	6,800	6,400	135
140	50.3	155.8	6,800	6,400	6,000	5,700		52.8	150.6	7,100	6,700	6,300	5,900	140
145	48.4	151.1	6,300	5,900	5,600	5,300		50.7	145.8	6,500	6,200	5,800	5,500	145
150	46.4	146.1	5,800	5,500	5,200	4,900		48.6	140.5	6,000	5,700	5,400	5,100	150
155	44.3	140.7	5,400	5,100	4,800	4,500		46.4	134.9	5,600	5,300	5,000	4,700	155
160	42.1	134.8	5,000	4,700	4,400	4,200		44.1	128.7	5,100	4,900	4,600	4,300	160
165	39.8	128.5	4,600	4,300	4,100	3,800		41.7	122.1	4,700	4,500	4,200	4,000	165
170	37.4	121.6	4,200	4,000	3,700	3,500		39.2	114.8	4,300	4,100	3,900	3,600	170
175	34.8	114.0	3,900	3,600	3,400	3,200		36.4	106.7	4,000	3,700	3,500	3,300	175
180	32.0	105.6	3,500	3,300	3,100	2,900		33.4	97.6	3,600	3,400	3,200	3,000	180
185	28.9	96.2	3,100	3,000	2,800	2,700								185
190	25.5	85.2	2,600	2,500	2,400	2,300								190
195	21.5	72.1	2,100	2,000	2,000									195

MLC80A-1 S-2

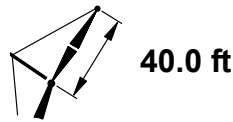
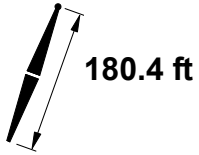


	10°							30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
48	80.6	213.5	24,700												48
50	80.1	213.1	24,700												50
55	78.7	211.9	24,500	21,100	16,500										55
60	77.3	210.6	24,400	21,000	16,400	12,600		80.3	206.6		16,400				60
65	75.9	209.2	24,200	20,900	16,300	12,500		78.8	205.2		16,000	15,500	12,700		65
70	74.5	207.6	21,900	20,100	16,300	12,500		77.4	203.6		15,500	15,300	12,600	10,400	70
75	73.0	205.9	19,800	18,200	16,200	12,400		75.9	201.8		15,200	14,900	12,600	10,400	75
80	71.6	204.1	17,900	16,600	15,300	12,400		74.4	200.0		14,800	14,600	12,600	10,400	80
85	70.1	202.1	16,300	15,100	14,000	12,400		72.9	197.9		14,400	14,200	12,600	10,400	85
90	68.6	200.0	14,900	13,800	12,900	12,000		71.4	195.8		14,100	13,900	12,600	10,400	90
95	67.1	197.7	13,700	12,700	11,800	11,000		69.9	193.4		13,800	13,300	12,400	10,400	95
100	65.6	195.2	12,500	11,700	10,900	10,200		68.4	190.9		13,100	12,300	11,500	10,400	100
105	64.1	192.6	11,500	10,800	10,100	9,400		66.8	188.2		12,100	11,300	10,600	9,900	105
110	62.5	189.8	10,600	9,900	9,300	8,700		65.2	185.4		11,100	10,400	9,800	9,100	110
115	61.0	186.9	9,800	9,200	8,600	8,000		63.6	182.3		10,300	9,600	9,000	8,400	115
120	59.4	183.7	9,000	8,500	7,900	7,400		61.9	179.1		9,500	8,900	8,300	7,800	120
125	57.7	180.3	8,400	7,800	7,300	6,900		60.2	175.6		8,800	8,200	7,700	7,200	125
130	56.1	176.7	7,700	7,200	6,800	6,300		58.5	171.9		8,100	7,600	7,100	6,700	130
135	54.4	172.9	7,100	6,700	6,300	5,900		56.8	168.0		7,500	7,000	6,600	6,200	135
140	52.6	168.9	6,600	6,200	5,800	5,400		55.0	163.8		6,900	6,500	6,100	5,700	140
145	50.8	164.6	6,100	5,700	5,300	5,000		53.1	159.4		6,400	6,000	5,600	5,300	145
150	49.0	160.0	5,600	5,300	4,900	4,600		51.2	154.6		5,900	5,500	5,200	4,800	150
155	47.1	155.1	5,200	4,900	4,500	4,200		49.2	149.5		5,400	5,100	4,800	4,400	155
160	45.1	149.8	4,800	4,500	4,200	3,900		47.2	144.0		5,000	4,700	4,400	4,100	160
165	43.0	144.2	4,400	4,100	3,800	3,600		45.0	138.2		4,600	4,300	4,000	3,700	165
170	40.9	138.1	4,000	3,800	3,500	3,300		42.8	131.8		4,200	3,900	3,700	3,400	170
175	38.7	131.5	3,700	3,400	3,200	3,000		40.5	124.9		3,800	3,600	3,300	3,100	175
180	36.3	124.4	3,300	3,100	2,900	2,700		37.9	117.3		3,400	3,200	3,000	2,800	180
185	33.8	116.5	3,000	2,800	2,600	2,400		35.2	108.9		3,100	2,900	2,700	2,500	185
190	31.1	107.9	2,500	2,400	2,300	2,200		32.3	99.5		2,600	2,500	2,400	2,200	190
195	28.1	98.1	2,100	2,000											195

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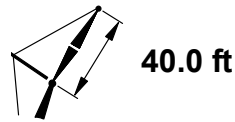
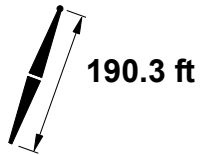
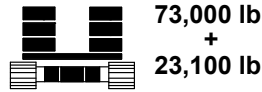


73,000 lb
+
23,100 lb



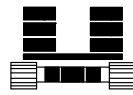
	10°							30°						
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft
50	80.5	223.1	24,300											50
55	79.2	222.0	24,200	19,600										55
60	77.9	220.8	24,100	19,500	14,700	11,100		80.7	216.8	16,500				60
65	76.5	219.4	24,000	19,400	14,600	11,000		79.3	215.4	16,100	15,100			65
70	75.2	217.9	21,600	19,300	14,500	11,000		78.0	213.9	15,700	15,100	12,300	9,300	70
75	73.8	216.3	19,500	17,900	14,400	10,900		76.6	212.2	15,300	15,000	12,300	9,200	75
80	72.4	214.6	17,700	16,300	14,300	10,900		75.2	210.4	15,000	14,700	12,300	9,200	80
85	71.1	212.7	16,100	14,800	13,700	10,800		73.8	208.5	14,600	14,400	12,300	9,200	85
90	69.7	210.7	14,700	13,600	12,500	10,700		72.3	206.5	14,300	14,100	12,200	9,200	90
95	68.2	208.5	13,400	12,400	11,500	10,700		70.9	204.2	14,000	13,100	12,100	9,200	95
100	66.8	206.2	12,300	11,400	10,600	9,800		69.4	201.9	12,900	12,000	11,200	9,200	100
105	65.4	203.7	11,300	10,500	9,700	9,000		67.9	199.4	11,900	11,000	10,300	9,100	105
110	63.9	201.1	10,400	9,600	9,000	8,300		66.4	196.7	10,900	10,200	9,500	8,800	110
115	62.4	198.3	9,500	8,900	8,300	7,700		64.9	193.8	10,000	9,400	8,700	8,100	115
120	60.9	195.3	8,800	8,200	7,600	7,100		63.4	190.7	9,300	8,600	8,100	7,500	120
125	59.4	192.2	8,100	7,500	7,000	6,500		61.8	187.5	8,500	8,000	7,400	6,900	125
130	57.8	188.8	7,500	7,000	6,500	6,000		60.2	184.1	7,900	7,300	6,800	6,400	130
135	56.2	185.3	6,900	6,400	6,000	5,500		58.6	180.4	7,200	6,800	6,300	5,900	135
140	54.6	181.5	6,300	5,900	5,500	5,100		56.9	176.6	6,700	6,200	5,800	5,400	140
145	52.9	177.5	5,800	5,400	5,000	4,700		55.2	172.4	6,100	5,700	5,300	5,000	145
150	51.2	173.3	5,400	5,000	4,600	4,300		53.4	168.1	5,600	5,300	4,900	4,500	150
155	49.5	168.8	4,900	4,600	4,200	3,900		51.6	163.4	5,200	4,800	4,500	4,200	155
160	47.7	164.0	4,500	4,200	3,900	3,600		49.8	158.4	4,700	4,400	4,100	3,800	160
165	45.8	158.9	4,100	3,800	3,500	3,300		47.9	153.1	4,300	4,000	3,700	3,500	165
170	43.9	153.4	3,800	3,500	3,200	3,000		45.9	147.5	3,900	3,700	3,400	3,100	170
175	41.9	147.5	3,400	3,200	2,900	2,700		43.8	141.4	3,600	3,300	3,100	2,800	175
180	39.8	141.3	3,100	2,900	2,600	2,400		41.6	134.8	3,200	3,000	2,800	2,500	180
185	37.6	134.5	2,800	2,600	2,400	2,100		39.3	127.6	2,900	2,700	2,500	2,200	185
190	35.3	127.1	2,300	2,200	2,000			36.8	119.8	2,500	2,300	2,200	2,000	190
195								34.2	111.1	2,000				195

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	10°							30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
50	80.9	233.2	24,000												50
55	79.7	232.1	23,900	17,500											55
60	78.4	230.9	23,600	17,500	12,900										60
65	77.1	229.6	23,200	17,400	12,900	9,700		79.8	225.6	16,300	14,800				65
70	75.8	228.2	21,400	17,300	12,800	9,600		78.5	224.1	15,900	14,700	11,000			70
75	74.5	226.7	19,200	17,300	12,800	9,600		77.2	222.6	15,500	14,500	10,900	8,200		75
80	73.2	225.0	17,400	15,900	12,800	9,600		75.9	220.9	15,100	14,300	10,900	8,200		80
85	71.9	223.2	15,800	14,500	12,700	9,600		74.5	219.0	14,800	14,100	10,900	8,200		85
90	70.6	221.3	14,400	13,200	12,200	9,500		73.1	217.1	14,500	13,800	10,900	8,100		90
95	69.2	219.2	13,100	12,100	11,100	9,500		71.8	215.0	13,900	12,800	10,900	8,100		95
100	67.9	217.0	12,000	11,100	10,200	9,400		70.4	212.7	12,700	11,700	10,900	8,100		100
105	66.5	214.7	11,000	10,200	9,400	8,700		69.0	210.3	11,600	10,800	10,000	8,100		105
110	65.1	212.2	10,100	9,300	8,600	8,000		67.6	207.8	10,700	9,900	9,200	8,100		110
115	63.7	209.6	9,300	8,600	7,900	7,300		66.1	205.1	9,800	9,100	8,400	7,800		115
120	62.3	206.8	8,500	7,900	7,300	6,700		64.7	202.2	9,000	8,400	7,700	7,200		120
125	60.8	203.8	7,800	7,200	6,700	6,200		63.2	199.2	8,300	7,700	7,100	6,600		125
130	59.4	200.6	7,200	6,600	6,100	5,700		61.7	196.0	7,600	7,100	6,500	6,100		130
135	57.9	197.3	6,600	6,100	5,600	5,200		60.2	192.5	7,000	6,500	6,000	5,600		135
140	56.4	193.8	6,100	5,600	5,200	4,800		58.6	188.9	6,400	6,000	5,500	5,100		140
145	54.8	190.1	5,500	5,100	4,700	4,300		57.0	185.1	5,900	5,500	5,000	4,600		145
150	53.2	186.1	5,100	4,700	4,300	4,000		55.4	181.0	5,400	5,000	4,600	4,200		150
155	51.6	181.9	4,600	4,300	3,900	3,600		53.7	176.7	4,900	4,600	4,200	3,900		155
160	50.0	177.5	4,200	3,900	3,600	3,300		52.0	172.2	4,500	4,100	3,800	3,500		160
165	48.3	172.8	3,800	3,500	3,200	2,900		50.3	167.3	4,100	3,800	3,400	3,100		165
170	46.5	167.8	3,500	3,200	2,900	2,600		48.4	162.2	3,700	3,400	3,100	2,800		170
175	44.7	162.5	3,100	2,900	2,600	2,300		46.6	156.7	3,300	3,000	2,800	2,500		175
180	42.8	156.9	2,800	2,600	2,300	2,100		44.6	150.8	3,000	2,700	2,500	2,200		180
185	40.9	150.8	2,500	2,300	2,000			42.6	144.5	2,600	2,400	2,200			185
190	38.8	144.3	2,000					40.4	137.6	2,300	2,100				190

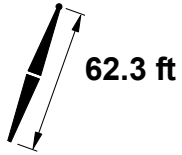
MLC80A-1 S-2



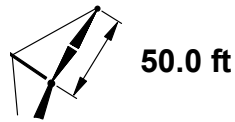
73,000 lb
+
23,100 lb



360°



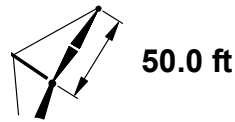
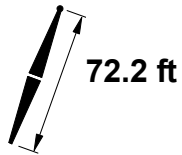
62.3 ft



50.0 ft

		10°						30°							
				0°	1°	2°	3°			0°	1°	2°	3°		
ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft		
34	80.5	116.0	23,000											34	
36	79.4	115.5	22,800	19,600										36	
38	78.4	114.9	22,500	19,500	16,800									38	
40	77.3	114.3	22,300	19,300	16,700	14,700								40	
42	76.2	113.6	22,100	19,100	16,600	14,700								42	
44	75.2	112.8	21,900	19,000	16,500	14,600								44	
46	74.1	112.1	21,700	18,800	16,400	14,500								46	
48	73.0	111.3	21,500	18,700	16,300	14,400	80.1	107.8	14,200					48	
50	71.9	110.4	21,300	18,500	16,100	14,300	79.0	106.9	13,800	13,600	12,400			50	
55	69.1	108.1	20,900	18,200	15,900	14,100	76.1	104.4	13,100	12,900	11,900	10,700		55	
60	66.2	105.4	20,500	17,900	15,600	13,900	73.1	101.7	12,400	12,200	11,400	10,300		60	
65	63.3	102.4	19,600	17,600	15,400	13,700	70.1	98.6	11,800	11,700	11,100	9,900		65	
70	60.2	99.1	18,300	17,300	15,200	13,600	66.9	95.1	11,300	11,200	10,700	9,700		70	
75	57.0	95.3	17,100	16,500	15,000	13,400	63.5	91.2	10,900	10,700	10,300	9,400		75	
80	53.7	91.1	16,000	15,500	14,900	13,300	60.0	86.7	10,400	10,300	10,000	9,200		80	
85	50.2	86.4	15,100	14,700	14,300	13,100	56.3	81.7	10,100	10,000	9,700	8,900		85	
90	46.5	80.9	14,300	13,900	13,600	13,100	52.4	75.9	9,700	9,700	9,500	8,700		90	
95	42.4	74.8	13,600	13,300	12,900	12,600	48.0	69.2	9,400	9,400	9,200	8,500		95	
100	38.0	67.5	13,000	12,800	12,400	12,100	43.1	61.2	9,200	9,100	9,100	8,400		100	
105	32.9	58.8	12,500	12,300	12,000	11,700	37.3	51.3	9,000	9,000	9,000	8,300		105	
110	26.7	47.7	12,200	12,000	11,700	11,500								110	

MLC80A-1 S-2

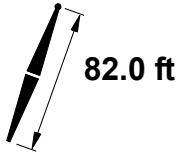


		10°						30°							
		0°				1°		0°				1°			
		2°				3°		2°				3°			
		3°						3°							
ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft		
36	80.3	125.7	22,800										36		
38	79.3	125.1	22,700	19,500									38		
40	78.4	124.5	22,500	19,400	16,700								40		
42	77.4	123.9	22,300	19,300	16,700	14,700							42		
44	76.4	123.2	22,100	19,100	16,500	14,600							44		
46	75.4	122.6	21,900	19,000	16,500	14,500							46		
48	74.4	121.8	21,700	18,800	16,400	14,500							48		
50	73.4	121.0	21,500	18,700	16,300	14,400	80.0	117.3	14,100	13,800			50		
55	70.9	118.9	21,200	18,400	16,000	14,200	77.4	115.1	13,400	13,100	12,900	10,600	55		
60	68.3	116.5	20,700	18,100	15,800	14,000	74.7	112.7	12,800	12,500	12,300	10,600	60		
65	65.7	113.9	20,400	17,900	15,600	13,800	71.9	109.9	12,200	12,000	11,800	10,600	65		
70	62.9	110.9	20,000	17,600	15,400	13,700	69.1	106.8	11,700	11,500	11,400	10,600	70		
75	60.1	107.6	19,700	17,400	15,200	13,600	66.2	103.3	11,200	11,100	10,900	10,500	75		
80	57.2	103.9	18,800	17,100	15,000	13,400	63.2	99.5	10,800	10,700	10,600	10,200	80		
85	54.2	99.8	17,900	16,900	14,900	13,300	60.0	95.2	10,400	10,300	10,200	10,000	85		
90	51.1	95.2	17,000	16,800	14,800	13,200	56.7	90.3	10,100	10,000	9,900	9,800	90		
95	47.7	90.1	16,200	15,700	14,700	13,100	53.1	84.9	9,800	9,700	9,600	9,600	95		
100	44.1	84.3	15,100	14,600	14,200	13,000	49.3	78.7	9,500	9,400	9,400	9,300	100		
105	40.3	77.7	14,100	13,700	13,300	12,900	45.1	71.5	9,300	9,200	9,200	9,100	105		
110	36.0	70.0	13,200	12,800	12,500	12,100	40.3	63.0	9,100	9,100	9,000	9,000	110		
115	31.1	60.7	12,300	12,000	11,700	11,400	34.7	52.3	8,900	8,900	8,900	8,900	115		
120	25.1	48.9	11,500	11,300	11,000	10,800							120		

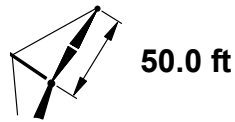
MLC80A-1 S-2



73,000 lb
+
23,100 lb



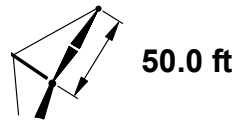
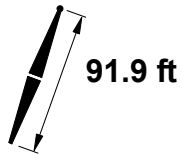
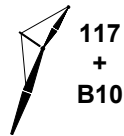
82.0 ft



50.0 ft

	10°							30°						
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft
38	80.2	135.3	22,800											38
40	79.3	134.7	22,600	19,400										40
42	78.4	134.2	22,400	19,300	16,700									42
44	77.5	133.6	22,200	19,200	16,600	14,700								44
46	76.5	132.9	22,100	19,100	16,500	14,600								46
48	75.6	132.2	21,900	18,900	16,400	14,500								48
50	74.7	131.5	21,700	18,800	16,300	14,400	80.8	127.7	14,300					50
55	72.4	129.6	21,400	18,600	16,100	14,200	78.4	125.7	13,600	13,400	12,500			55
60	70.0	127.4	21,000	18,200	15,900	14,100	76.0	123.4	13,000	12,800	12,500	10,300		60
65	67.6	125.0	20,700	18,000	15,700	13,900	73.5	120.9	12,500	12,300	12,100	10,300		65
70	65.2	122.3	20,300	17,800	15,600	13,800	70.9	118.1	12,000	11,800	11,600	10,300		70
75	62.7	119.3	20,000	17,600	15,300	13,700	68.3	115.0	11,500	11,400	11,200	10,300		75
80	60.1	116.0	19,800	17,300	15,200	13,500	65.6	111.6	11,100	11,000	10,800	10,300		80
85	57.4	112.4	18,600	17,100	15,100	13,400	62.8	107.8	10,700	10,600	10,500	10,300		85
90	54.6	108.4	17,200	16,500	14,900	13,300	59.9	103.6	10,400	10,300	10,200	10,100		90
95	51.8	104.0	16,000	15,400	14,800	13,200	56.9	99.0	10,100	10,000	9,900	9,800		95
100	48.7	99.1	14,800	14,300	13,800	13,200	53.7	93.8	9,800	9,700	9,700	9,600		100
105	45.5	93.6	13,800	13,400	12,900	12,500	50.3	87.9	9,600	9,500	9,400	9,400		105
110	42.1	87.4	12,900	12,500	12,100	11,700	46.6	81.3	9,300	9,300	9,200	9,200		110
115	38.4	80.4	12,100	11,700	11,400	11,000	42.5	73.7	9,200	9,100	9,100	9,100		115
120	34.3	72.3	11,300	11,000	10,700	10,400	37.9	64.6	9,000	9,000	9,000	8,900		120
125	29.5	62.5	10,600	10,300	10,100	9,800	32.4	53.2	8,900	8,900	8,900	8,900		125
130	23.7	50.1	9,900	9,700	9,500	9,300								130

MLC80A-1 S-2

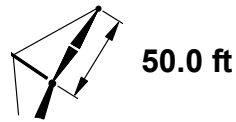
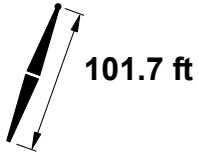


	10°								30°							
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft		
38	80.9	145.4	22,800											38		
40	80.0	144.9	22,700											40		
42	79.2	144.4	22,500	19,400										42		
44	78.4	143.8	22,300	19,200	16,600									44		
46	77.5	143.2	22,200	19,100	16,500	14,600								46		
48	76.7	142.6	22,000	19,000	16,500	14,500								48		
50	75.8	141.9	21,900	18,900	16,400	14,400								50		
55	73.7	140.1	21,600	18,700	16,200	14,300	79.3	136.1	13,900	13,600				55		
60	71.5	138.1	21,200	18,400	16,000	14,200	77.1	134.0	13,300	13,000	12,200	10,000		60		
65	69.3	135.9	20,900	18,100	15,800	14,000	74.8	131.7	12,800	12,500	12,100	10,000		65		
70	67.1	133.5	20,700	17,900	15,600	13,900	72.5	129.2	12,300	12,100	11,900	10,000		70		
75	64.8	130.7	20,300	17,700	15,500	13,800	70.1	126.4	11,800	11,700	11,500	10,000		75		
80	62.4	127.8	20,000	17,500	15,300	13,600	67.7	123.3	11,400	11,300	11,100	10,000		80		
85	60.0	124.5	18,400	17,400	15,200	13,500	65.2	119.9	11,100	10,900	10,800	10,000		85		
90	57.6	120.9	17,000	16,300	15,100	13,400	62.6	116.2	10,700	10,600	10,500	10,000		90		
95	55.0	117.0	15,800	15,100	14,500	13,400	59.9	112.1	10,400	10,300	10,200	10,000		95		
100	52.4	112.7	14,700	14,100	13,600	13,000	57.1	107.6	10,100	10,000	9,900	9,800		100		
105	49.6	108.0	13,600	13,100	12,700	12,200	54.2	102.6	9,900	9,800	9,700	9,600		105		
110	46.7	102.7	12,700	12,300	11,900	11,400	51.1	97.0	9,600	9,600	9,500	9,400		110		
115	43.6	96.9	11,900	11,500	11,100	10,800	47.8	90.8	9,400	9,400	9,300	9,300		115		
120	40.3	90.4	11,100	10,800	10,400	10,100	44.3	83.8	9,200	9,200	9,100	9,100		120		
125	36.7	83.0	10,400	10,100	9,800	9,500	40.3	75.7	9,100	9,000	9,000	9,000		125		
130	32.7	74.5	9,800	9,500	9,300	9,000	35.9	66.1	9,000	8,900	8,900	8,900		130		
135	28.1	64.2	9,200	9,000	8,700	8,500	30.5	54.1	8,900	8,900	8,800	8,600		135		
140	22.5	51.1	8,600	8,400	8,200	8,000								140		

MLC80A-1 S-2

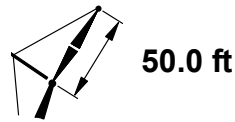
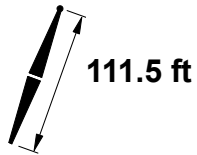
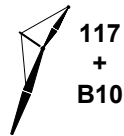


73,000 lb
+
23,100 lb



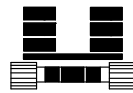
	10°							30°						
				0°	1°	2°	3°			0°	1°	2°	3°	
ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft	
40	80.7	155.0	22,700											40
42	79.9	154.5	22,600	19,400										42
44	79.1	154.0	22,400	19,200										44
46	78.3	153.4	22,300	19,200	16,500									46
48	77.6	152.9	22,100	19,000	16,400	14,500								48
50	76.8	152.2	22,000	18,900	16,400	14,400								50
55	74.8	150.6	21,700	18,700	16,200	14,300	80.0	146.5	14,100					55
60	72.8	148.7	21,400	18,500	16,000	14,100	78.0	144.5	13,500	13,300	11,800	9,800		60
65	70.8	146.7	21,100	18,300	15,900	14,000	75.9	142.4	13,000	12,800	11,800	9,800		65
70	68.7	144.4	20,900	18,100	15,700	13,900	73.7	140.1	12,500	12,300	11,800	9,800		70
75	66.6	141.9	20,600	17,900	15,500	13,800	71.6	137.5	12,100	11,900	11,700	9,800		75
80	64.4	139.2	19,800	17,700	15,400	13,700	69.4	134.7	11,700	11,500	11,400	9,800		80
85	62.2	136.2	18,200	17,300	15,400	13,600	67.1	131.6	11,300	11,200	11,000	9,800		85
90	60.0	133.0	16,800	16,000	15,200	13,500	64.8	128.2	11,000	10,900	10,700	9,800		90
95	57.7	129.4	15,500	14,800	14,200	13,400	62.4	124.6	10,700	10,600	10,400	9,800		95
100	55.3	125.6	14,400	13,800	13,200	12,700	59.9	120.5	10,400	10,300	10,200	9,800		100
105	52.9	121.4	13,400	12,800	12,300	11,800	57.3	116.1	10,100	10,000	9,900	9,800		105
110	50.3	116.8	12,500	12,000	11,500	11,100	54.6	111.3	9,900	9,800	9,700	9,700		110
115	47.6	111.8	11,600	11,200	10,800	10,400	51.8	106.0	9,700	9,600	9,500	9,500		115
120	44.8	106.2	10,900	10,500	10,100	9,800	48.8	100.2	9,500	9,400	9,400	9,300		120
125	41.9	100.1	10,200	9,800	9,500	9,200	45.6	93.6	9,300	9,200	9,200	9,200		125
130	38.7	93.3	9,500	9,200	8,900	8,600	42.2	86.2	9,100	9,100	9,100	8,800		130
135	35.2	85.5	9,000	8,700	8,400	8,100	38.4	77.7	9,000	8,800	8,500	8,300		135
140	31.3	76.5	8,400	8,100	7,900	7,700	34.0	67.5	8,500	8,200	8,000	7,800		140
145	26.9	65.8	7,900	7,700	7,400	7,200								145
150	21.4	52.1	7,300	7,200	7,000	6,800								150

MLC80A-1 S-2

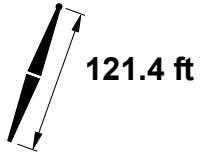


		10°						30°							
		0°				1°		0°				1°			
		lb				lb		lb				lb			
		ft		ft		ft		ft		ft		ft		ft	
		°		°		°		°		°		°		°	
42	80.5	164.6	22,500												42
44	79.8	164.1	22,400		19,200										44
46	79.1	163.6	22,300		19,100										46
48	78.3	163.1	22,200		19,000	16,400									48
50	77.6	162.5	22,100		18,900	16,300	14,400								50
55	75.8	161.0	21,800	18,700	16,200	14,200		80.7	156.7	14,300					55
60	73.9	159.2	21,500	18,500	16,000	14,200		78.8	155.0	13,700	13,500	11,600			60
65	72.0	157.3	21,300	18,300	15,900	14,100		76.8	153.0	13,200	13,000	11,600	9,600		65
70	70.1	155.2	21,000	18,200	15,700	14,000		74.8	150.8	12,800	12,500	11,500	9,600		70
75	68.1	152.9	20,700	18,000	15,600	13,800		72.8	148.4	12,300	12,100	11,500	9,600		75
80	66.1	150.4	19,600	17,800	15,500	13,800		70.8	145.8	11,900	11,800	11,500	9,600		80
85	64.1	147.6	18,000	17,000	15,400	13,600		68.7	143.0	11,600	11,400	11,300	9,600		85
90	62.1	144.7	16,500	15,700	15,000	13,600		66.6	139.9	11,200	11,100	11,000	9,600		90
95	60.0	141.4	15,300	14,600	13,900	13,200		64.4	136.6	10,900	10,800	10,700	9,600		95
100	57.8	137.9	14,200	13,500	12,900	12,300		62.2	132.9	10,600	10,500	10,400	9,600		100
105	55.6	134.1	13,200	12,600	12,000	11,500		59.8	129.0	10,400	10,300	10,200	9,600		105
110	53.3	130.0	12,300	11,700	11,200	10,700		57.5	124.7	10,100	10,000	10,000	9,600		110
115	50.9	125.6	11,400	11,000	10,500	10,100		55.0	120.0	9,900	9,800	9,700	9,600		115
120	48.5	120.7	10,700	10,200	9,800	9,400		52.4	114.9	9,700	9,600	9,600	9,500		120
125	45.9	115.4	10,000	9,600	9,200	8,900		49.7	109.3	9,500	9,500	9,400	9,100		125
130	43.2	109.6	9,300	9,000	8,600	8,300		46.8	103.1	9,300	9,200	8,900	8,600		130
135	40.3	103.2	8,700	8,400	8,100	7,800		43.7	96.2	8,900	8,600	8,300	8,000		135
140	37.2	96.0	8,200	7,900	7,600	7,400		40.3	88.5	8,300	8,100	7,800	7,500		140
145	33.8	87.9	7,700	7,400	7,200	6,900		36.6	79.5	7,800	7,500	7,300	7,100		145
150	30.1	78.5	7,200	7,000	6,700	6,500		32.4	68.9	7,300	7,000	6,800	6,600		150
155	25.7	67.3	6,700	6,500	6,300	6,100									155
160	20.4	52.9	6,000	5,900	5,800	5,800									160

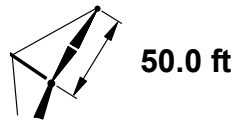
MLC80A-1 S-2



73,000 lb
+
23,100 lb



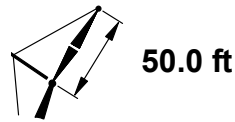
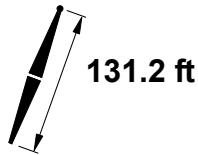
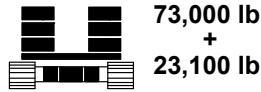
121.4 ft



50.0 ft

	10°							30°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
44	80.4	174.2	22,400											44
46	79.7	173.8	22,300	19,000										46
48	79.0	173.2	22,200	19,000										48
50	78.3	172.7	22,100	18,900	16,200									50
55	76.6	171.3	21,800	18,700	16,100	14,200								55
60	74.9	169.6	21,600	18,500	16,000	14,100	79.5	165.3	13,900	13,600				60
65	73.1	167.9	21,300	18,400	15,900	14,000	77.6	163.5	13,400	13,200	11,300	9,400		65
70	71.3	165.9	21,100	18,200	15,700	13,900	75.8	161.4	13,000	12,700	11,300	9,400		70
75	69.5	163.7	20,900	18,100	15,700	13,800	73.9	159.2	12,600	12,400	11,300	9,400		75
80	67.6	161.4	19,300	17,900	15,600	13,700	72.0	156.8	12,200	12,000	11,300	9,400		80
85	65.8	158.9	17,700	16,700	15,400	13,600	70.1	154.2	11,800	11,600	11,200	9,400		85
90	63.9	156.1	16,300	15,400	14,600	13,600	68.1	151.3	11,500	11,300	11,200	9,400		90
95	61.9	153.1	15,000	14,300	13,500	12,800	66.1	148.3	11,200	11,000	10,900	9,400		95
100	59.9	149.9	13,900	13,200	12,600	11,900	64.1	144.9	10,900	10,800	10,600	9,400		100
105	57.9	146.4	12,900	12,300	11,700	11,100	62.0	141.3	10,600	10,500	10,400	9,400		105
110	55.8	142.7	12,000	11,400	10,900	10,400	59.8	137.5	10,400	10,300	10,200	9,400		110
115	53.7	138.7	11,200	10,700	10,200	9,700	57.6	133.3	10,100	10,100	10,000	9,400		115
120	51.5	134.3	10,400	9,900	9,500	9,100	55.3	128.7	9,900	9,900	9,800	9,400		120
125	49.2	129.6	9,700	9,300	8,900	8,500	52.9	123.8	9,700	9,600	9,200	8,800		125
130	46.8	124.5	9,100	8,700	8,300	8,000	50.4	118.4	9,400	9,000	8,600	8,300		130
135	44.3	118.9	8,500	8,100	7,800	7,500	47.7	112.5	8,700	8,400	8,000	7,700		135
140	41.7	112.8	7,900	7,600	7,300	7,000	44.9	106.0	8,100	7,800	7,500	7,200		140
145	38.9	106.1	7,400	7,100	6,900	6,600	41.9	98.8	7,600	7,300	7,000	6,800		145
150	35.9	98.6	6,900	6,700	6,400	6,200	38.7	90.6	7,100	6,800	6,600	6,300		150
155	32.6	90.1	6,500	6,300	6,000	5,800	35.0	81.3	6,600	6,400	6,100	5,900		155
160	28.9	80.4	6,100	5,900	5,600	5,400	30.9	70.2	6,100	5,900	5,700	5,500		160
165	24.7	68.7	5,700	5,500	5,300	5,100								165

MLC80A-1 S-2

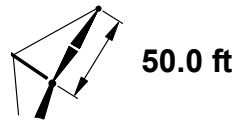
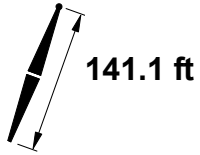


	10°							30°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
44	80.9	184.3	22,300											44
46	80.3	183.9	22,300											46
48	79.6	183.4	22,100	18,900										48
50	79.0	182.9	22,100	18,800	16,200									50
55	77.4	181.5	21,800	18,700	16,100	14,100								55
60	75.7	180.0	21,600	18,500	16,000	14,000	80.1	175.6	14,100					60
65	74.0	178.3	21,400	18,400	15,800	14,000	78.4	173.8	13,600	13,300	11,100			65
70	72.4	176.5	21,200	18,200	15,700	13,800	76.6	171.9	13,200	12,900	11,100	9,200		70
75	70.7	174.4	20,900	18,100	15,600	13,800	74.9	169.9	12,800	12,500	11,000	9,200		75
80	68.9	172.3	19,100	17,900	15,500	13,700	73.1	167.6	12,400	12,200	11,000	9,200		80
85	67.2	169.9	17,500	16,500	15,400	13,700	71.3	165.2	12,000	11,900	11,000	9,200		85
90	65.4	167.3	16,100	15,200	14,300	13,500	69.5	162.5	11,700	11,500	11,000	9,200		90
95	63.6	164.6	14,800	14,000	13,200	12,500	67.6	159.7	11,400	11,300	11,000	9,200		95
100	61.8	161.6	13,700	13,000	12,300	11,600	65.8	156.6	11,100	11,000	10,800	9,200		100
105	59.9	158.4	12,700	12,000	11,400	10,800	63.8	153.3	10,900	10,700	10,600	9,200		105
110	58.0	154.9	11,800	11,200	10,600	10,100	61.8	149.8	10,600	10,500	10,400	9,200		110
115	56.0	151.3	11,000	10,400	9,900	9,400	59.8	145.9	10,400	10,300	10,200	9,200		115
120	54.0	147.3	10,200	9,700	9,200	8,800	57.7	141.8	10,200	10,100	9,600	9,200		120
125	52.0	143.0	9,500	9,100	8,600	8,200	55.6	137.4	9,900	9,400	9,000	8,600		125
130	49.8	138.4	8,900	8,500	8,100	7,700	53.3	132.6	9,200	8,800	8,400	8,000		130
135	47.6	133.5	8,300	7,900	7,600	7,200	51.0	127.4	8,600	8,200	7,800	7,500		135
140	45.3	128.1	7,700	7,400	7,100	6,800	48.5	121.7	8,000	7,700	7,300	7,000		140
145	42.9	122.3	7,200	6,900	6,600	6,300	46.0	115.5	7,500	7,100	6,800	6,500		145
150	40.3	115.9	6,800	6,500	6,200	5,900	43.3	108.8	6,900	6,700	6,400	6,100		150
155	37.6	108.9	6,300	6,100	5,800	5,600	40.3	101.2	6,500	6,200	6,000	5,700		155
160	34.7	101.1	5,900	5,700	5,400	5,200	37.2	92.7	6,000	5,800	5,600	5,300		160
165	31.5	92.3	5,500	5,300	5,100	4,900	33.6	83.0	5,600	5,400	5,200	5,000		165
170	27.9	82.2	5,100	4,900	4,700	4,600								170
175	23.8	70.0	4,800	4,600	4,400	4,300								175

MLC80A-1 S-2

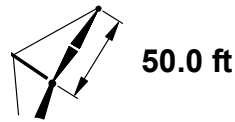
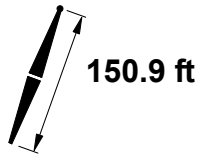


73,000 lb
+
23,100 lb



	10°							30°						
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft
46	80.8	193.9	22,100											46
48	80.2	193.5	22,000											48
50	79.6	193.0	22,000	18,700										50
55	78.0	191.7	21,800	18,600	16,000									55
60	76.5	190.3	21,500	18,400	15,900	13,900		80.6	185.8	14,200				60
65	74.9	188.7	21,400	18,300	15,800	13,900	79.0	184.2	13,800	13,500				65
70	73.3	187.0	21,200	18,200	15,600	13,800	77.4	182.4	13,300	13,100	10,900	9,100		70
75	71.7	185.1	20,700	18,000	15,500	13,700	75.7	180.4	13,000	12,700	10,800	9,100		75
80	70.1	183.0	18,900	17,600	15,500	13,600	74.1	178.3	12,600	12,400	10,800	9,100		80
85	68.5	180.8	17,300	16,200	15,100	13,600	72.4	176.0	12,200	12,000	10,800	9,100		85
90	66.8	178.4	15,800	14,900	14,000	13,100	70.7	173.6	11,900	11,700	10,800	9,100		90
95	65.1	175.8	14,600	13,700	12,900	12,100	69.0	170.9	11,600	11,500	10,700	9,100		95
100	63.4	173.0	13,500	12,700	12,000	11,300	67.2	168.1	11,300	11,200	10,700	9,100		100
105	61.7	170.0	12,500	11,800	11,100	10,500	65.4	165.0	11,100	10,900	10,700	9,100		105
110	59.9	166.9	11,500	10,900	10,300	9,700	63.6	161.7	10,800	10,700	10,600	9,100		110
115	58.1	163.4	10,700	10,100	9,600	9,100	61.7	158.2	10,600	10,500	10,100	9,100		115
120	56.2	159.8	10,000	9,400	8,900	8,500	59.8	154.4	10,400	9,900	9,400	8,900		120
125	54.3	155.9	9,300	8,800	8,300	7,900	57.8	150.3	9,700	9,200	8,700	8,300		125
130	52.4	151.7	8,600	8,200	7,800	7,400	55.8	146.0	9,000	8,600	8,100	7,700		130
135	50.4	147.2	8,000	7,600	7,300	6,900	53.7	141.3	8,400	8,000	7,600	7,200		135
140	48.3	142.4	7,500	7,100	6,800	6,400	51.5	136.3	7,800	7,400	7,100	6,700		140
145	46.1	137.2	7,000	6,600	6,300	6,000	49.3	130.8	7,200	6,900	6,600	6,300		145
150	43.9	131.6	6,500	6,200	5,900	5,600	46.9	124.9	6,700	6,400	6,100	5,800		150
155	41.5	125.5	6,100	5,800	5,500	5,200	44.4	118.5	6,300	6,000	5,700	5,400		155
160	39.0	118.9	5,600	5,400	5,100	4,900	41.7	111.4	5,800	5,600	5,300	5,100		160
165	36.4	111.6	5,200	5,000	4,800	4,600	38.9	103.6	5,400	5,200	4,900	4,700		165
170	33.6	103.5	4,900	4,700	4,400	4,200	35.8	94.7	5,000	4,800	4,600	4,300		170
175	30.4	94.4	4,500	4,300	4,100	3,900	32.3	84.6	4,600	4,400	4,200	4,000		175
180	27.0	83.9	4,200	4,000	3,800	3,700								180
185	22.9	71.3	3,700	3,600	3,500	3,400								185

MLC80A-1 S-2

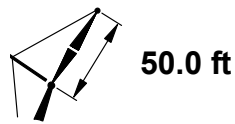
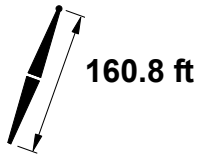


	10°							30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
48	80.7	203.6	21,900												48
50	80.1	203.1	21,800												50
55	78.6	201.9	21,700	18,400	15,800										55
60	77.2	200.5	21,500	18,300	15,700	13,000									60
65	75.7	199.0	21,300	18,200	15,600	13,000	79.6	194.4	13,900	13,200					65
70	74.2	197.4	21,100	18,100	15,600	13,000	78.1	192.8	13,500	13,100	10,700				70
75	72.7	195.6	20,500	18,000	15,500	13,000	76.5	190.9	13,100	12,900	10,600	8,900			75
80	71.1	193.6	18,600	17,300	15,400	13,000	74.9	188.9	12,800	12,500	10,600	8,900			80
85	69.6	191.5	17,000	15,900	14,800	13,000	73.4	186.8	12,400	12,200	10,600	8,900			85
90	68.0	189.3	15,600	14,600	13,600	12,800	71.8	184.5	12,100	11,900	10,500	8,900			90
95	66.4	186.9	14,300	13,400	12,600	11,800	70.1	182.0	11,800	11,600	10,500	8,900			95
100	64.8	184.3	13,200	12,400	11,600	10,900	68.5	179.3	11,500	11,400	10,500	8,900			100
105	63.2	181.5	12,200	11,500	10,800	10,100	66.8	176.4	11,300	11,100	10,500	8,900			105
110	61.6	178.5	11,300	10,600	10,000	9,400	65.1	173.4	11,000	10,900	10,500	8,900			110
115	59.9	175.3	10,500	9,900	9,300	8,800	63.4	170.1	10,800	10,400	9,800	8,900			115
120	58.2	171.9	9,700	9,200	8,600	8,100	61.6	166.6	10,200	9,600	9,100	8,600			120
125	56.4	168.3	9,000	8,500	8,000	7,600	59.8	162.9	9,500	9,000	8,500	8,000			125
130	54.6	164.5	8,400	7,900	7,500	7,100	57.9	158.9	8,800	8,300	7,900	7,400			130
135	52.8	160.4	7,800	7,400	7,000	6,600	56.0	154.6	8,200	7,700	7,300	6,900			135
140	50.9	156.0	7,300	6,900	6,500	6,100	54.0	150.0	7,600	7,200	6,800	6,400			140
145	48.9	151.3	6,700	6,400	6,000	5,700	52.0	145.1	7,100	6,700	6,300	6,000			145
150	46.9	146.2	6,300	5,900	5,600	5,300	49.9	139.9	6,500	6,200	5,900	5,600			150
155	44.8	140.8	5,800	5,500	5,200	4,900	47.7	134.2	6,100	5,800	5,500	5,200			155
160	42.6	135.0	5,400	5,100	4,900	4,600	45.4	128.0	5,600	5,300	5,100	4,800			160
165	40.3	128.7	5,000	4,800	4,500	4,300	42.9	121.3	5,200	4,900	4,700	4,400			165
170	37.9	121.8	4,700	4,400	4,200	4,000	40.3	114.0	4,800	4,600	4,300	4,100			170
175	35.3	114.2	4,300	4,100	3,900	3,700	37.6	105.8	4,400	4,200	4,000	3,800			175
180	32.5	105.8	4,000	3,800	3,600	3,400	34.5	96.6	4,100	3,900	3,700	3,500			180
185	29.5	96.4	3,600	3,500	3,300	3,100	31.1	86.1	3,700	3,500	3,400	3,200			185
190	26.1	85.5	3,200	3,100	3,000	2,900									190
195	22.1	72.5	2,600	2,600	2,500	2,400									195

MLC80A-1 S-2

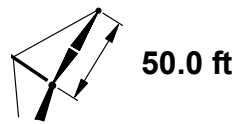
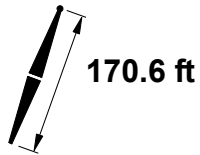
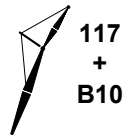


73,000 lb
+
23,100 lb



	10°							30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
50	80.6	213.2	21,600												50
55	79.2	212.0	21,500	18,300											55
60	77.8	210.7	21,300	18,200	15,300	11,800									60
65	76.4	209.3	21,200	18,000	15,300	11,800	80.1	204.7	14,100						65
70	74.9	207.7	21,000	17,900	15,200	11,700	78.6	203.1	13,700	12,800	10,400				70
75	73.5	206.0	20,200	17,800	15,200	11,700	77.2	201.3	13,300	12,800	10,400	8,700			75
80	72.1	204.2	18,400	17,000	15,200	11,700	75.7	199.5	12,900	12,700	10,400	8,700			80
85	70.6	202.2	16,800	15,600	14,500	11,600	74.2	197.4	12,600	12,400	10,400	8,700			85
90	69.1	200.1	15,400	14,300	13,300	11,600	72.7	195.2	12,300	12,100	10,400	8,700			90
95	67.6	197.8	14,100	13,100	12,300	11,400	71.2	192.9	12,000	11,800	10,300	8,700			95
100	66.1	195.3	13,000	12,100	11,300	10,600	69.6	190.4	11,700	11,600	10,300	8,700			100
105	64.6	192.7	12,000	11,200	10,500	9,800	68.0	187.7	11,500	11,300	10,300	8,700			105
110	63.0	189.9	11,000	10,300	9,700	9,100	66.4	184.8	11,200	11,000	10,300	8,700			110
115	61.5	187.0	10,200	9,600	9,000	8,400	64.8	181.8	10,800	10,100	9,500	8,700			115
120	59.9	183.8	9,500	8,900	8,300	7,800	63.2	178.5	10,000	9,400	8,800	8,300			120
125	58.2	180.4	8,800	8,200	7,700	7,200	61.5	175.0	9,300	8,700	8,200	7,700			125
130	56.5	176.9	8,100	7,600	7,200	6,700	59.8	171.3	8,600	8,100	7,600	7,200			130
135	54.8	173.1	7,500	7,100	6,700	6,300	58.0	167.4	8,000	7,500	7,100	6,600			135
140	53.1	169.0	7,000	6,600	6,200	5,800	56.2	163.2	7,400	7,000	6,500	6,200			140
145	51.3	164.7	6,500	6,100	5,700	5,400	54.3	158.7	6,800	6,400	6,100	5,700			145
150	49.5	160.1	6,000	5,700	5,300	5,000	52.4	153.9	6,300	6,000	5,600	5,300			150
155	47.6	155.2	5,600	5,200	4,900	4,600	50.4	148.8	5,900	5,500	5,200	4,900			155
160	45.6	149.9	5,200	4,900	4,600	4,300	48.4	143.3	5,400	5,100	4,800	4,500			160
165	43.6	144.3	4,800	4,500	4,200	4,000	46.2	137.4	5,000	4,700	4,400	4,200			165
170	41.4	138.2	4,400	4,100	3,900	3,600	44.0	131.0	4,600	4,300	4,100	3,800			170
175	39.2	131.7	4,100	3,800	3,600	3,400	41.6	124.1	4,200	4,000	3,700	3,500			175
180	36.8	124.6	3,700	3,500	3,300	3,100	39.1	116.4	3,900	3,600	3,400	3,200			180
185	34.3	116.7	3,400	3,200	3,000	2,800	36.3	108.0	3,500	3,300	3,100	2,900			185
190	31.6	108.1	3,000	2,900	2,700	2,600	33.4	98.5	3,200	3,000	2,800	2,600			190
195	28.6	98.3	2,600	2,500	2,400	2,300									195
200	25.3	87.1	2,100	2,100	2,000										200

MLC80A-1 S-2

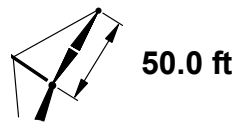
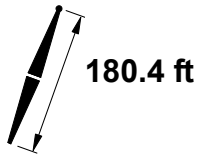


	10°							30°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
50	81.0	223.2	21,400											50
55	79.7	222.1	21,300	18,000										55
60	78.3	220.9	21,200	17,900	13,900									60
65	77.0	219.5	21,000	17,800	13,900	10,500		80.6	214.9	14,200				65
70	75.6	218.0	20,900	17,700	13,800	10,500		79.2	213.4	13,800	12,600			70
75	74.3	216.4	20,000	17,600	13,800	10,500		77.8	211.7	13,400	12,500	10,200	8,400	75
80	72.9	214.7	18,200	16,700	13,700	10,400		76.4	209.9	13,100	12,500	10,200	8,400	80
85	71.5	212.8	16,500	15,300	13,700	10,400		75.0	208.0	12,800	12,400	10,200	8,400	85
90	70.1	210.8	15,100	14,000	13,000	10,300		73.5	205.9	12,500	12,300	10,200	8,400	90
95	68.7	208.6	13,900	12,900	12,000	10,300		72.1	203.7	12,200	12,000	10,100	8,400	95
100	67.3	206.3	12,700	11,900	11,000	10,300		70.6	201.3	11,900	11,700	10,100	8,400	100
105	65.8	203.8	11,700	10,900	10,200	9,500		69.1	198.8	11,600	11,500	10,100	8,400	105
110	64.4	201.2	10,800	10,100	9,400	8,800		67.6	196.1	11,400	10,700	10,000	8,400	110
115	62.9	198.4	10,000	9,300	8,700	8,100		66.1	193.2	10,600	9,900	9,300	8,400	115
120	61.4	195.4	9,200	8,600	8,100	7,500		64.6	190.2	9,800	9,200	8,600	8,000	120
125	59.8	192.3	8,600	8,000	7,500	7,000		63.0	186.9	9,100	8,500	8,000	7,500	125
130	58.3	188.9	7,900	7,400	6,900	6,500		61.4	183.5	8,400	7,900	7,400	6,900	130
135	56.7	185.4	7,300	6,900	6,400	6,000		59.7	179.8	7,800	7,300	6,800	6,400	135
140	55.1	181.6	6,800	6,300	5,900	5,500		58.1	175.9	7,200	6,800	6,300	5,900	140
145	53.4	177.6	6,300	5,900	5,500	5,100		56.3	171.8	6,700	6,200	5,900	5,500	145
150	51.7	173.4	5,800	5,400	5,100	4,700		54.6	167.4	6,200	5,800	5,400	5,100	150
155	50.0	168.9	5,400	5,000	4,700	4,400		52.8	162.7	5,700	5,300	5,000	4,700	155
160	48.2	164.1	4,900	4,600	4,300	4,000		50.9	157.7	5,200	4,900	4,600	4,300	160
165	46.3	159.0	4,600	4,300	4,000	3,700		49.0	152.4	4,800	4,500	4,200	3,900	165
170	44.4	153.5	4,200	3,900	3,700	3,400		47.0	146.7	4,400	4,200	3,900	3,600	170
175	42.4	147.7	3,900	3,600	3,300	3,100		44.9	140.6	4,100	3,800	3,500	3,300	175
180	40.3	141.4	3,500	3,300	3,100	2,800		42.7	133.9	3,700	3,500	3,200	3,000	180
185	38.1	134.6	3,200	3,000	2,800	2,600		40.3	126.7	3,400	3,100	2,900	2,700	185
190	35.8	127.3	2,900	2,700	2,500	2,300		37.9	118.8	3,100	2,800	2,600	2,400	190
195	33.4	119.2	2,500	2,400	2,200	2,100		35.2	110.1	2,700	2,500	2,400	2,200	195
200	30.7	110.2	2,100	2,000				32.3	100.3	2,200	2,100	2,000		200

MLC80A-1 S-2

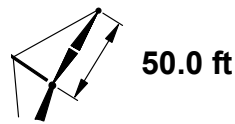
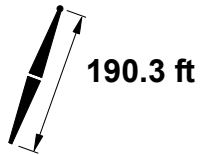
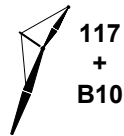


73,000 lb
+
23,100 lb



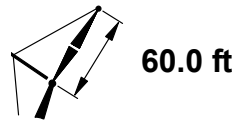
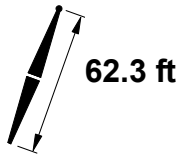
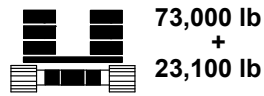
	10°							30°						
			73,000 lb + 23,100 lb						73,000 lb + 23,100 lb					
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
55	80.1	232.2	21,000											55
60	78.8	231.0	20,900	16,600	12,500									60
65	77.6	229.7	20,700	16,600	12,400	9,300		81.0	225.0	14,300				65
70	76.3	228.3	20,700	16,600	12,400	9,300		79.7	223.6	13,900	12,300			70
75	75.0	226.8	19,800	16,500	12,300	9,300		78.3	222.0	13,600	12,200	10,000		75
80	73.7	225.1	17,900	16,400	12,300	9,200	77.0	220.3	13,200	12,200	10,000	7,500		80
85	72.3	223.3	16,300	15,000	12,200	9,200	75.7	218.5	12,900	12,100	10,000	7,500		85
90	71.0	221.4	14,900	13,700	12,100	9,100	74.3	216.5	12,600	12,100	10,000	7,500		90
95	69.7	219.3	13,600	12,600	11,600	9,100	72.9	214.4	12,300	12,000	9,900	7,400		95
100	68.3	217.1	12,500	11,600	10,700	9,100	71.5	212.2	12,100	11,900	9,900	7,400		100
105	66.9	214.8	11,500	10,600	9,900	9,100	70.1	209.8	11,800	11,400	9,900	7,400		105
110	65.6	212.3	10,600	9,800	9,100	8,400	68.7	207.2	11,300	10,500	9,800	7,400		110
115	64.2	209.7	9,700	9,100	8,400	7,800	67.3	204.5	10,400	9,700	9,000	7,300		115
120	62.7	206.9	9,000	8,400	7,800	7,200	65.8	201.6	9,600	8,900	8,300	7,300		120
125	61.3	203.9	8,300	7,700	7,200	6,600	64.3	198.6	8,900	8,300	7,700	7,200		125
130	59.8	200.8	7,700	7,100	6,600	6,100	62.8	195.3	8,200	7,600	7,100	6,600		130
135	58.3	197.4	7,100	6,600	6,100	5,700	61.3	191.9	7,600	7,000	6,600	6,100		135
140	56.8	193.9	6,500	6,100	5,600	5,200	59.7	188.3	7,000	6,500	6,100	5,600		140
145	55.3	190.2	6,000	5,600	5,200	4,800	58.1	184.4	6,400	6,000	5,600	5,200		145
150	53.7	186.2	5,500	5,200	4,800	4,400	56.5	180.4	5,900	5,500	5,100	4,800		150
155	52.1	182.1	5,100	4,700	4,400	4,100	54.8	176.1	5,500	5,100	4,700	4,400		155
160	50.4	177.6	4,700	4,400	4,000	3,700	53.1	171.5	5,000	4,700	4,300	4,000		160
165	48.7	173.0	4,300	4,000	3,700	3,400	51.3	166.6	4,600	4,300	4,000	3,700		165
170	47.0	168.0	3,900	3,600	3,400	3,100	49.5	161.4	4,200	3,900	3,600	3,300		170
175	45.1	162.7	3,600	3,300	3,100	2,800	47.6	155.9	3,800	3,600	3,300	3,000		175
180	43.3	157.0	3,300	3,000	2,800	2,500	45.7	150.0	3,500	3,200	3,000	2,700		180
185	41.3	151.0	3,000	2,700	2,500	2,300	43.6	143.6	3,200	2,900	2,700	2,400		185
190	39.3	144.5	2,700	2,400	2,200	2,000	41.5	136.7	2,800	2,600	2,400	2,200		190
195	37.2	137.5	2,300	2,100	2,000		39.2	129.3	2,500	2,300	2,100			195
200							36.8	121.1	2,100					200

MLC80A-1 S-2



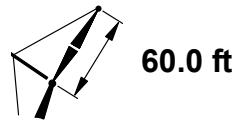
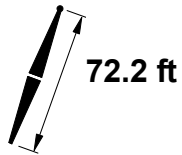
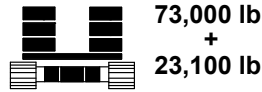
	10°							30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
55	80.5	242.3	20,600												55
60	79.3	241.1	20,400	15,000											60
65	78.1	239.9	20,100	14,900	11,000										65
70	76.8	238.6	19,900	14,900	10,900	8,200		80.1	233.8	14,100					70
75	75.6	237.1	19,500	14,800	10,900	8,100		78.9	232.3	13,700	12,000	8,900			75
80	74.4	235.5	17,600	14,800	10,900	8,100	77.6	230.7	13,400	11,900	8,800	6,500			80
85	73.1	233.8	16,000	14,700	10,800	8,100	76.3	228.9	13,100	11,700	8,800	6,500			85
90	71.8	232.0	14,600	13,400	10,800	8,100	75.0	227.0	12,800	11,500	8,800	6,500			90
95	70.5	230.0	13,400	12,300	10,800	8,100	73.7	225.0	12,500	11,400	8,800	6,500			95
100	69.3	227.9	12,200	11,300	10,400	8,100	72.4	222.9	12,200	11,200	8,800	6,500	100		100
105	68.0	225.7	11,200	10,300	9,500	8,000	71.0	220.6	12,000	11,100	8,800	6,500	105		105
110	66.6	223.3	10,300	9,500	8,800	8,000	69.7	218.2	11,000	10,200	8,800	6,500	110		110
115	65.3	220.8	9,500	8,700	8,100	7,400	68.3	215.6	10,200	9,400	8,700	6,500	115		115
120	64.0	218.1	8,700	8,000	7,400	6,800	66.9	212.9	9,400	8,700	8,000	6,500	120		120
125	62.6	215.3	8,000	7,400	6,800	6,300	65.5	210.0	8,600	8,000	7,400	6,400	125		125
130	61.2	212.4	7,400	6,800	6,300	5,800	64.1	207.0	7,900	7,400	6,800	6,300	130		130
135	59.8	209.2	6,800	6,300	5,800	5,300	62.7	203.8	7,300	6,800	6,300	5,800	135		135
140	58.4	205.9	6,200	5,800	5,300	4,900	61.2	200.4	6,700	6,200	5,800	5,300	140		140
145	56.9	202.4	5,700	5,300	4,900	4,500	59.7	196.8	6,200	5,700	5,300	4,900	145		145
150	55.4	198.7	5,300	4,900	4,500	4,100	58.2	193.0	5,700	5,300	4,900	4,500	150		150
155	53.9	194.8	4,800	4,400	4,100	3,700	56.6	188.9	5,200	4,800	4,400	4,100	155		155
160	52.4	190.7	4,400	4,100	3,700	3,400	55.0	184.7	4,800	4,400	4,100	3,700	160		160
165	50.8	186.4	4,000	3,700	3,400	3,100	53.4	180.2	4,400	4,000	3,700	3,400	165		165
170	49.2	181.8	3,700	3,300	3,000	2,800	51.7	175.4	4,000	3,600	3,300	3,000	170		170
175	47.5	176.9	3,300	3,000	2,700	2,500	50.0	170.4	3,600	3,300	3,000	2,700	175		175
180	45.8	171.7	3,000	2,700	2,500	2,200	48.2	165.0	3,200	3,000	2,700	2,400	180		180
185	44.1	166.3	2,700	2,400	2,200		46.4	159.3	2,900	2,700	2,400	2,200	185		185
190	42.2	160.4	2,400	2,200			44.5	153.1	2,600	2,400	2,100		190		190
195	40.3	154.2	2,000				42.5	146.5	2,300	2,100			195		195

MLC80A-1 S-2



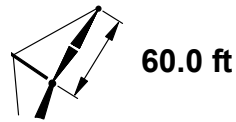
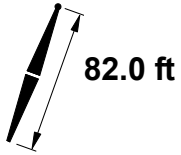
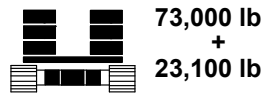
	10°							30°						
			73,000 lb + 23,100 lb						73,000 lb + 23,100 lb					
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
36	80.7	126.0	20,600											36
38	79.7	125.4	20,300	17,300										38
40	78.7	124.8	20,200	17,200	14,600									40
42	77.8	124.2	20,000	17,000	14,500	12,700								42
44	76.8	123.5	19,800	16,900	14,400	12,600								44
46	75.8	122.9	19,600	16,700	14,300	12,500								46
48	74.8	122.1	19,400	16,600	14,200	12,500								48
50	73.8	121.3	19,300	16,500	14,100	12,400								50
55	71.3	119.2	18,800	16,200	13,900	12,200	79.3	115.6	12,500	11,900				55
60	68.7	116.9	18,400	15,900	13,700	12,100	76.6	113.1	11,800	11,300	10,000	9,000		60
65	66.1	114.2	18,000	15,600	13,500	11,900	73.9	110.3	11,200	10,800	9,700	8,600		65
70	63.4	111.2	16,800	15,300	13,300	11,700	71.1	107.2	10,700	10,400	9,300	8,400		70
75	60.6	107.9	15,600	15,000	13,100	11,600	68.2	103.8	10,200	9,900	9,000	8,200		75
80	57.7	104.2	14,600	14,200	12,900	11,400	65.1	100.0	9,800	9,600	8,700	7,900		80
85	54.7	100.1	13,600	13,400	12,700	11,300	62.0	95.7	9,400	9,200	8,400	7,600		85
90	51.5	95.6	12,800	12,600	12,400	11,200	58.7	90.9	9,000	8,900	8,100	7,400		90
95	48.2	90.5	12,100	11,900	11,700	11,100	55.1	85.5	8,700	8,600	7,900	7,200		95
100	44.6	84.7	11,500	11,400	11,200	11,000	51.4	79.3	8,400	8,300	7,600	7,100		100
105	40.8	78.2	11,000	10,800	10,700	10,600	47.2	72.2	8,100	8,100	7,500	6,900		105
110	36.5	70.5	10,400	10,300	10,300	10,200	42.5	63.8	7,900	7,900	7,300	6,800		110
115	31.7	61.4	10,100	10,000	9,900	9,800	37.0	53.3	7,800	7,700	7,200	6,700		115
120	25.8	49.8	9,800	9,700	9,600	9,500	29.6	38.9	7,700	7,600	7,200	6,700		120

MLC80A-1 S-2



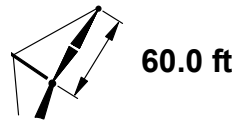
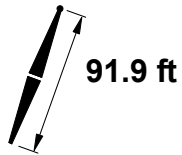
	10°						30°								
			73,000 lb + 23,100 lb						73,000 lb + 23,100 lb						
	ft	°	ft	0°	1°	2°	3°	ft	°	ft	0°	1°		2°	3°
38	80.5	135.6	20,500												38
40	79.6	135.0	20,300	17,200											40
42	78.7	134.5	20,100	17,000	14,600										42
44	77.8	133.8	19,900	17,000	14,500	12,600									44
46	76.9	133.2	19,800	16,800	14,300	12,500									46
48	76.0	132.5	19,600	16,700	14,200	12,500									48
50	75.1	131.8	19,400	16,600	14,200	12,500									50
55	72.8	129.9	19,000	16,300	14,000	12,200	80.2	126.0	12,800						55
60	70.4	127.7	18,600	16,100	13,800	12,100	77.7	123.8	12,100	11,900	11,100	9,100			60
65	68.0	125.3	18,300	15,800	13,600	11,900	75.3	121.3	11,500	11,300	10,800	9,100			65
70	65.6	122.6	17,900	15,600	13,400	11,800	72.7	118.5	11,000	10,800	10,400	9,100			70
75	63.1	119.6	17,600	15,300	13,300	11,700	70.1	115.4	10,500	10,400	10,200	9,100			75
80	60.5	116.4	17,200	15,100	13,100	11,500	67.4	112.0	10,100	9,900	9,800	8,900			80
85	57.8	112.7	16,800	14,800	12,900	11,400	64.7	108.2	9,700	9,600	9,400	8,600			85
90	55.1	108.8	16,100	14,600	12,800	11,300	61.8	104.0	9,300	9,200	9,100	8,400			90
95	52.2	104.3	15,200	14,400	12,700	11,300	58.7	99.4	9,000	8,900	8,800	8,200			95
100	49.2	99.5	14,400	14,200	12,500	11,100	55.6	94.2	8,700	8,600	8,600	8,000			100
105	46.0	94.0	13,700	13,500	12,400	11,000	52.2	88.4	8,500	8,400	8,300	7,900			105
110	42.6	87.9	13,100	12,900	12,300	10,900	48.5	81.9	8,200	8,200	8,100	7,700			110
115	38.9	80.9	12,500	12,100	11,800	10,900	44.5	74.3	8,000	8,000	7,900	7,600			115
120	34.8	72.8	11,700	11,400	11,100	10,800	39.9	65.3	7,800	7,800	7,800	7,500			120
125	30.1	63.2	11,000	10,800	10,500	10,200	34.5	54.1	7,700	7,700	7,700	7,500			125
130	24.4	50.9	10,400	10,100	9,900	9,700									130

MLC80A-1 S-2



	10°							30°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
40	80.3	145.2	20,400											40
42	79.5	144.6	20,200	17,100										42
44	78.7	144.1	20,100	17,000	14,400									44
46	77.8	143.5	19,900	16,900	14,400	12,600								46
48	77.0	142.9	19,700	16,800	14,300	12,500								48
50	76.2	142.2	19,600	16,700	14,200	12,400								50
55	74.0	140.4	19,200	16,400	14,000	12,300	80.9	136.4	13,000					55
60	71.9	138.4	18,800	16,200	13,900	12,100	78.7	134.3	12,300	12,100	10,700			60
65	69.7	136.2	18,500	15,900	13,700	12,000	76.4	132.0	11,800	11,500	10,700	8,800		65
70	67.4	133.8	18,200	15,700	13,600	11,900	74.1	129.5	11,300	11,100	10,700	8,800		70
75	65.1	131.1	17,800	15,500	13,400	11,800	71.7	126.7	10,800	10,600	10,500	8,800		75
80	62.8	128.1	17,500	15,300	13,300	11,700	69.3	123.6	10,400	10,200	10,100	8,800		80
85	60.4	124.8	17,100	15,000	13,100	11,600	66.8	120.2	10,000	9,900	9,700	8,800		85
90	57.9	121.3	16,800	14,800	12,900	11,400	64.2	116.5	9,600	9,500	9,400	8,800		90
95	55.4	117.4	16,100	14,700	12,800	11,400	61.6	112.4	9,300	9,200	9,100	8,800		95
100	52.7	113.1	15,000	14,400	12,700	11,200	58.8	107.9	9,000	8,900	8,800	8,700		100
105	50.0	108.3	14,000	13,500	12,500	11,100	55.9	102.9	8,700	8,700	8,600	8,500		105
110	47.1	103.1	13,100	12,600	12,200	11,100	52.8	97.4	8,500	8,400	8,400	8,300		110
115	44.0	97.4	12,200	11,800	11,400	11,000	49.6	91.3	8,300	8,200	8,200	8,100		115
120	40.7	90.9	11,500	11,100	10,800	10,400	46.0	84.3	8,100	8,000	8,000	7,900		120
125	37.2	83.5	10,800	10,500	10,100	9,800	42.1	76.2	7,900	7,900	7,800	7,800		125
130	33.2	75.0	10,100	9,800	9,600	9,300	37.7	66.7	7,800	7,700	7,700	7,700		130
135	28.7	64.9	9,500	9,300	9,000	8,800	32.3	54.8	7,700	7,700	7,700	7,600		135
140	23.1	52.0	9,000	8,700	8,500	8,300								140

MLC80A-1 S-2

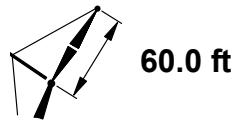
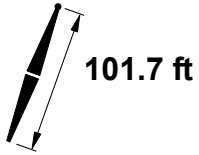


	10°							30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft	
40	81.0	155.3	20,300												40
42	80.2	154.8	20,200												42
44	79.4	154.3	20,100	17,000											44
46	78.6	153.7	19,900	16,900	14,400										46
48	77.9	153.1	19,800	16,800	14,300	12,500									48
50	77.1	152.5	19,700	16,700	14,300	12,400									50
55	75.1	150.9	19,300	16,500	14,100	12,300									55
60	73.1	149.0	19,000	16,200	13,900	12,200	79.5	144.8	12,500	12,300					60
65	71.1	147.0	18,700	16,000	13,800	12,000	77.4	142.7	12,000	11,800	10,400	8,600			65
70	69.0	144.7	18,400	15,800	13,600	11,900	75.3	140.3	11,500	11,300	10,400	8,600	8,600		70
75	66.9	142.2	18,100	15,600	13,500	11,900	73.1	137.7	11,100	10,900	10,300	8,600	8,600		75
80	64.8	139.5	17,800	15,400	13,300	11,700	70.9	134.9	10,600	10,500	10,300	8,600	8,600		80
85	62.6	136.5	17,400	15,200	13,200	11,600	68.6	131.8	10,300	10,100	10,000	8,600	8,600		85
90	60.3	133.3	17,100	15,000	13,000	11,500	66.3	128.5	9,900	9,800	9,600	8,600	8,600		90
95	58.0	129.8	15,900	14,800	12,900	11,400	63.9	124.8	9,600	9,500	9,300	8,600	8,600		95
100	55.7	125.9	14,800	14,200	12,800	11,300	61.4	120.8	9,300	9,200	9,100	8,600	8,600		100
105	53.2	121.7	13,800	13,200	12,600	11,200	58.9	116.4	9,000	8,900	8,800	8,600	8,600		105
110	50.7	117.2	12,900	12,400	11,900	11,100	56.2	111.6	8,800	8,700	8,600	8,600	8,500		110
115	48.0	112.2	12,000	11,600	11,200	10,800	53.4	106.3	8,500	8,500	8,400	8,400	8,300		115
120	45.2	106.7	11,300	10,900	10,500	10,200	50.4	100.5	8,300	8,300	8,200	8,200	8,200		120
125	42.3	100.6	10,600	10,200	9,900	9,600	47.2	94.0	8,100	8,100	8,000	8,000	8,000		125
130	39.1	93.7	10,000	9,600	9,300	9,000	43.8	86.6	8,000	7,900	7,900	7,900	7,900		130
135	35.6	86.0	9,400	9,100	8,800	8,500	40.0	78.1	7,800	7,800	7,800	7,800	7,700		135
140	31.8	77.1	8,800	8,600	8,300	8,100	35.7	68.1	7,700	7,700	7,700	7,700	7,700		140
145	27.4	66.5	8,300	8,100	7,900	7,600	30.4	55.5	7,700	7,600	7,600	7,600	7,600		145
150	22.0	53.0	7,700	7,600	7,400	7,200									150

MLC80A-1 S-2

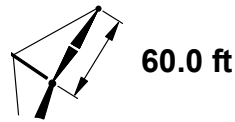
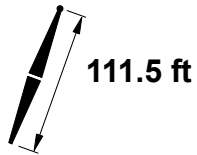
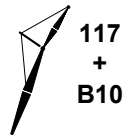


73,000 lb
+
23,100 lb



	10°							30°						
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft
42	80.8		164.9	20,200										42
44	80.1		164.4	20,100										44
46	79.4		163.9	20,000	16,900									46
48	78.6		163.3	19,800	16,800	14,300								48
50	77.9		162.8	19,700	16,700	14,200	12,400							50
55	76.0		161.2	19,400	16,500	14,000	12,300							55
60	74.2		159.5	19,100	16,300	13,900	12,100	80.2	155.1	12,700				60
65	72.3		157.6	18,800	16,100	13,800	12,100	78.2	153.2	12,200	12,000	10,100		65
70	70.4		155.5	18,500	15,900	13,700	11,900	76.3	151.0	11,700	11,500	10,100	8,400	70
75	68.4		153.2	18,300	15,700	13,500	11,800	74.3	148.6	11,300	11,100	10,100	8,300	75
80	66.5		150.7	18,000	15,500	13,400	11,700	72.2	146.0	10,900	10,700	10,100	8,300	80
85	64.4		148.0	17,600	15,300	13,300	11,700	70.1	143.2	10,500	10,300	10,100	8,300	85
90	62.4		145.0	16,900	15,200	13,100	11,600	68.0	140.1	10,200	10,000	9,900	8,300	90
95	60.3		141.8	15,700	14,900	13,000	11,500	65.8	136.8	9,800	9,700	9,600	8,300	95
100	58.1		138.3	14,500	13,900	12,900	11,400	63.6	133.2	9,600	9,400	9,300	8,300	100
105	55.9		134.5	13,500	12,900	12,400	11,300	61.3	129.2	9,300	9,200	9,100	8,300	105
110	53.6		130.4	12,600	12,100	11,600	11,100	58.9	124.9	9,000	8,900	8,800	8,300	110
115	51.3		125.9	11,800	11,300	10,900	10,400	56.4	120.3	8,800	8,700	8,600	8,300	115
120	48.8		121.1	11,000	10,600	10,200	9,800	53.8	115.2	8,600	8,500	8,400	8,300	120
125	46.3		115.8	10,300	10,000	9,600	9,200	51.1	109.6	8,400	8,300	8,200	8,200	125
130	43.6		110.0	9,700	9,400	9,000	8,700	48.2	103.4	8,200	8,100	8,100	8,000	130
135	40.7		103.6	9,100	8,800	8,500	8,200	45.2	96.5	8,000	8,000	7,900	7,900	135
140	37.6		96.5	8,600	8,300	8,000	7,700	41.8	88.8	7,900	7,900	7,800	7,800	140
145	34.3		88.4	8,000	7,800	7,500	7,300	38.1	79.9	7,800	7,800	7,700	7,500	145
150	30.5		79.1	7,600	7,300	7,100	6,900	33.9	69.3	7,700	7,500	7,200	7,000	150
155	26.2		68.0	7,100	6,900	6,700	6,500							155
160	20.9		53.9	6,300	6,300	6,200	6,100							160

MLC80A-1 S-2

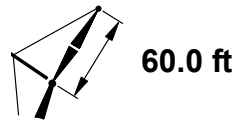
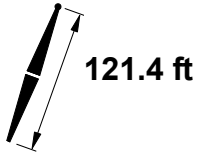


	10°							30°							
ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft		
44	80.7	174.5	20,000											44	
46	80.0	174.0	20,000	16,800										46	
48	79.3	173.5	19,800	16,700										48	
50	78.6	173.0	19,700	16,700	14,200									50	
55	76.9	171.5	19,500	16,500	14,100	12,200								55	
60	75.1	169.9	19,100	16,300	13,900	12,100	80.8	165.4	12,900					60	
65	73.4	168.1	18,900	16,100	13,800	12,000	79.0	163.6	12,400	12,100	9,900			65	
70	71.6	166.2	18,600	15,900	13,600	12,000	77.1	161.6	11,900	11,700	9,800	8,100		70	
75	69.8	164.0	18,400	15,800	13,500	11,900	75.3	159.4	11,500	11,300	9,800	8,100		75	
80	67.9	161.7	18,200	15,600	13,500	11,800	73.4	156.9	11,100	10,900	9,800	8,100		80	
85	66.1	159.2	17,800	15,400	13,300	11,700	71.4	154.3	10,700	10,600	9,800	8,100		85	
90	64.2	156.4	16,700	15,300	13,200	11,600	69.5	151.5	10,400	10,200	9,800	8,100		90	
95	62.2	153.4	15,400	14,600	13,000	11,500	67.5	148.4	10,100	9,900	9,800	8,100		95	
100	60.2	150.2	14,300	13,600	13,000	11,500	65.4	145.1	9,800	9,700	9,500	8,100		100	
105	58.2	146.8	13,300	12,700	12,100	11,400	63.3	141.5	9,500	9,400	9,300	8,100		105	
110	56.1	143.0	12,400	11,800	11,300	10,800	61.2	137.6	9,300	9,200	9,000	8,100		110	
115	54.0	139.0	11,600	11,100	10,600	10,100	58.9	133.4	9,000	8,900	8,800	8,100		115	
120	51.8	134.7	10,800	10,300	9,900	9,500	56.6	128.9	8,800	8,700	8,600	8,100		120	
125	49.5	130.0	10,100	9,700	9,300	8,900	54.2	124.0	8,600	8,500	8,500	8,100		125	
130	47.1	124.9	9,500	9,100	8,700	8,400	51.7	118.6	8,400	8,300	8,300	8,100		130	
135	44.7	119.3	8,900	8,500	8,200	7,900	49.1	112.7	8,200	8,200	8,100	8,100		135	
140	42.0	113.2	8,300	8,000	7,700	7,400	46.3	106.2	8,100	8,000	8,000	7,700		140	
145	39.2	106.5	7,800	7,500	7,300	7,000	43.3	99.0	8,000	7,800	7,500	7,200		145	
150	36.3	99.1	7,300	7,100	6,800	6,600	40.1	90.9	7,500	7,300	7,000	6,800		150	
155	33.0	90.7	6,900	6,700	6,400	6,200	36.4	81.6	7,000	6,800	6,600	6,400		155	
160	29.4	81.0	6,500	6,300	6,100	5,900	32.3	70.5	6,600	6,400	6,200	6,000		160	
165	25.2	69.4	6,100	5,900	5,700	5,500								165	

MLC80A-1 S-2

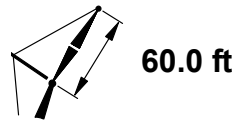
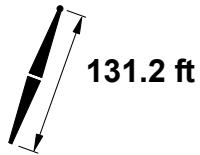
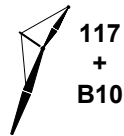


73,000 lb
+
23,100 lb



	10°							30°						
ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft	
46	80.5	184.1	19,900										46	
48	79.9	183.6	19,800	16,700									48	
50	79.2	183.1	19,700	16,600									50	
55	77.6	181.8	19,500	16,500	14,000	12,200							55	
60	76.0	180.3	19,200	16,300	13,900	12,100							60	
65	74.3	178.6	18,900	16,100	13,700	12,000	79.6	173.9	12,600	12,100			65	
70	72.6	176.7	18,700	16,000	13,600	11,900	77.9	172.0	12,100	11,900	9,700	8,000	70	
75	70.9	174.7	18,500	15,800	13,600	11,900	76.1	170.0	11,700	11,500	9,600	8,000	75	
80	69.2	172.5	18,300	15,600	13,500	11,800	74.4	167.7	11,300	11,100	9,600	8,000	80	
85	67.5	170.2	17,800	15,400	13,400	11,700	72.6	165.3	10,900	10,800	9,600	8,000	85	
90	65.7	167.6	16,400	15,300	13,200	11,600	70.8	162.6	10,600	10,400	9,600	8,000	90	
95	63.9	164.9	15,200	14,300	13,100	11,500	68.9	159.8	10,300	10,100	9,500	8,000	95	
100	62.1	161.9	14,000	13,300	12,600	11,500	67.0	156.7	10,000	9,900	9,500	8,000	100	
105	60.2	158.7	13,000	12,400	11,800	11,200	65.1	153.4	9,700	9,600	9,500	8,000	105	
110	58.3	155.3	12,100	11,500	11,000	10,400	63.1	149.9	9,500	9,400	9,200	8,000	110	
115	56.3	151.6	11,300	10,800	10,200	9,700	61.1	146.0	9,200	9,100	9,000	8,000	115	
120	54.3	147.6	10,500	10,100	9,600	9,100	59.0	141.9	9,000	8,900	8,800	8,000	120	
125	52.3	143.4	9,800	9,400	9,000	8,600	56.8	137.5	8,800	8,700	8,600	8,000	125	
130	50.1	138.8	9,200	8,800	8,400	8,000	54.6	132.7	8,600	8,500	8,500	8,000	130	
135	47.9	133.9	8,600	8,200	7,900	7,500	52.3	127.5	8,500	8,400	8,200	7,900	135	
140	45.6	128.5	8,100	7,700	7,400	7,100	49.8	121.9	8,300	8,100	7,700	7,400	140	
145	43.2	122.7	7,600	7,300	7,000	6,700	47.3	115.7	7,800	7,500	7,200	6,900	145	
150	40.6	116.4	7,100	6,800	6,500	6,300	44.5	108.9	7,300	7,100	6,800	6,500	150	
155	37.9	109.4	6,600	6,400	6,100	5,900	41.6	101.4	6,900	6,600	6,300	6,100	155	
160	35.0	101.6	6,200	6,000	5,800	5,500	38.5	92.9	6,400	6,200	5,900	5,700	160	
165	31.9	92.9	5,800	5,600	5,400	5,200	34.9	83.2	6,000	5,700	5,500	5,300	165	
170	28.3	82.8	5,500	5,300	5,100	4,900	30.9	71.6	5,500	5,400	5,200	5,000	170	
175	24.2	70.8	5,100	4,900	4,800	4,600							175	

MLC80A-1 S-2

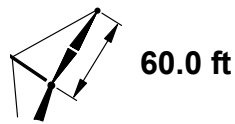
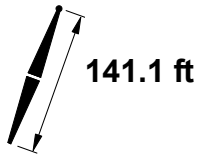


	10°						30°									
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb		2° lb	3° lb	ft
48	80.4	193.7	19,700													48
50	79.8	193.3	19,600	16,500												50
55	78.3	192.0	19,400	16,300	13,900											55
60	76.7	190.5	19,200	16,200	13,800	12,000										60
65	75.1	189.0	18,900	16,100	13,700	12,000	80.2	184.2	12,700							65
70	73.6	187.2	18,800	16,000	13,600	11,900	78.6	182.5	12,300	11,800	9,400					70
75	72.0	185.3	18,500	15,800	13,500	11,800	76.9	180.5	11,900	11,600	9,400	7,800				75
80	70.3	183.3	18,300	15,600	13,400	11,700	75.3	178.4	11,500	11,300	9,400	7,800				80
85	68.7	181.1	17,600	15,500	13,300	11,700	73.6	176.1	11,100	10,900	9,300	7,800				85
90	67.1	178.7	16,200	15,200	13,200	11,600	71.9	173.6	10,800	10,600	9,300	7,800				90
95	65.4	176.1	15,000	14,100	13,100	11,500	70.1	171.0	10,500	10,300	9,300	7,800				95
100	63.7	173.3	13,800	13,100	12,300	11,400	68.4	168.1	10,200	10,100	9,300	7,800				100
105	61.9	170.3	12,800	12,100	11,500	10,900	66.6	165.1	9,900	9,800	9,300	7,800				105
110	60.2	167.2	11,900	11,300	10,700	10,100	64.8	161.8	9,700	9,600	9,300	7,800				110
115	58.4	163.8	11,100	10,500	10,000	9,500	62.9	158.3	9,500	9,300	9,200	7,800				115
120	56.5	160.1	10,300	9,800	9,300	8,800	61.0	154.5	9,200	9,100	9,000	7,800				120
125	54.6	156.2	9,600	9,200	8,700	8,300	59.0	150.4	9,000	8,900	8,800	7,800				125
130	52.7	152.1	9,000	8,600	8,200	7,800	57.0	146.1	8,800	8,700	8,600	7,800				130
135	50.7	147.6	8,400	8,000	7,600	7,300	54.9	141.4	8,700	8,400	8,000	7,700				135
140	48.6	142.8	7,900	7,500	7,200	6,800	52.7	136.4	8,200	7,900	7,500	7,200				140
145	46.4	137.6	7,400	7,000	6,700	6,400	50.5	130.9	7,700	7,400	7,000	6,700				145
150	44.2	132.0	6,900	6,600	6,300	6,000	48.1	125.0	7,200	6,900	6,600	6,300				150
155	41.8	125.9	6,500	6,200	5,900	5,600	45.6	118.6	6,700	6,400	6,100	5,900				155
160	39.4	119.3	6,000	5,800	5,500	5,300	42.9	111.5	6,300	6,000	5,700	5,500				160
165	36.7	112.1	5,600	5,400	5,200	5,000	40.1	103.7	5,800	5,600	5,400	5,100				165
170	33.9	104.0	5,300	5,100	4,900	4,600	37.0	94.9	5,400	5,200	5,000	4,800				170
175	30.8	95.0	4,900	4,700	4,500	4,300	33.5	84.7	5,000	4,800	4,700	4,500				175
180	27.4	84.5	4,600	4,400	4,200	4,100	29.5	72.7	4,700	4,500	4,300	4,100				180
185	23.3	72.1	4,200	4,100	4,000	3,800										185

MLC80A-1 S-2

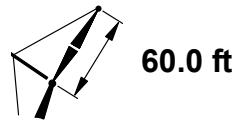
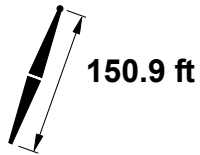
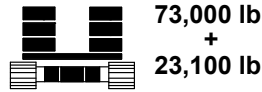


73,000 lb
+
23,100 lb



	10°							30°						
	ft	°	0°	1°	2°	3°	°	ft	0°	1°	2°	3°	ft	
48	80.9	203.8	19,600										48	
50	80.3	203.4	19,500										50	
55	78.9	202.1	19,300	16,200	13,800								55	
60	77.4	200.8	19,100	16,100	13,700	11,700							60	
65	75.9	199.3	18,900	16,000	13,600	11,600	80.7	194.5	12,900				65	
70	74.4	197.6	18,700	15,900	13,500	11,600	79.2	192.8	12,400	11,500			70	
75	72.9	195.9	18,500	15,800	13,500	11,600	77.6	191.0	12,000	11,400	9,300	7,700	75	
80	71.4	193.9	18,400	15,600	13,300	11,600	76.1	189.0	11,700	11,300	9,200	7,700	80	
85	69.8	191.8	17,400	15,500	13,300	11,600	74.5	186.8	11,300	11,100	9,200	7,700	85	
90	68.3	189.6	16,000	14,900	13,200	11,600	72.9	184.5	11,000	10,800	9,200	7,700	90	
95	66.7	187.1	14,700	13,800	13,000	11,500	71.2	182.0	10,700	10,500	9,100	7,700	95	
100	65.1	184.6	13,600	12,800	12,000	11,300	69.6	179.3	10,400	10,200	9,100	7,700	100	
105	63.5	181.8	12,600	11,800	11,200	10,500	67.9	176.5	10,100	10,000	9,100	7,700	105	
110	61.8	178.8	11,700	11,000	10,400	9,800	66.2	173.4	9,900	9,800	9,100	7,700	110	
115	60.1	175.6	10,800	10,200	9,700	9,100	64.5	170.1	9,700	9,500	9,100	7,700	115	
120	58.4	172.3	10,100	9,500	9,000	8,500	62.7	166.6	9,400	9,300	9,100	7,700	120	
125	56.7	168.7	9,400	8,900	8,400	8,000	60.9	162.9	9,200	9,100	8,900	7,700	125	
130	54.9	164.8	8,800	8,300	7,900	7,400	59.0	158.9	9,000	8,800	8,300	7,700	130	
135	53.0	160.7	8,200	7,700	7,300	6,900	57.1	154.7	8,600	8,200	7,800	7,400	135	
140	51.1	156.3	7,600	7,200	6,900	6,500	55.1	150.1	8,000	7,600	7,300	6,900	140	
145	49.2	151.6	7,100	6,800	6,400	6,100	53.1	145.2	7,500	7,100	6,800	6,400	145	
150	47.2	146.6	6,600	6,300	6,000	5,700	51.0	139.9	7,000	6,600	6,300	6,000	150	
155	45.1	141.2	6,200	5,900	5,600	5,300	48.8	134.2	6,500	6,200	5,900	5,600	155	
160	42.9	135.4	5,800	5,500	5,200	5,000	46.5	128.1	6,100	5,800	5,500	5,200	160	
165	40.6	129.1	5,400	5,100	4,900	4,600	44.1	121.4	5,600	5,400	5,100	4,900	165	
170	38.2	122.2	5,000	4,800	4,600	4,300	41.5	114.0	5,200	5,000	4,800	4,500	170	
175	35.6	114.7	4,700	4,500	4,200	4,000	38.7	105.9	4,900	4,600	4,400	4,200	175	
180	32.9	106.4	4,300	4,100	4,000	3,800	35.7	96.7	4,500	4,300	4,100	3,900	180	
185	29.8	97.0	4,000	3,900	3,700	3,500	32.3	86.2	4,100	4,000	3,800	3,600	185	
190	26.5	86.2	3,600	3,500	3,400	3,200							190	
195	22.5	73.2	3,100	3,000	2,900	2,900							195	

MLC80A-1 S-2

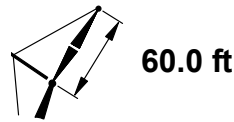
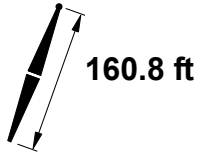


	10°							30°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
50	80.8	213.4	19,400												50
55	79.4	212.3	19,200	16,200											55
60	78.0	211.0	19,000	16,000	13,500	10,700									60
65	76.6	209.6	18,800	15,900	13,500	10,700									65
70	75.2	208.0	18,700	15,800	13,400	10,700	79.7	203.1	12,600	11,200					70
75	73.7	206.3	18,400	15,700	13,400	10,700	78.2	201.4	12,200	11,200	9,100				75
80	72.3	204.5	18,300	15,500	13,300	10,700	76.8	199.5	11,800	11,100	9,100	7,500			80
85	70.8	202.5	17,100	15,400	13,200	10,700	75.3	197.4	11,500	11,100	9,000	7,500			85
90	69.4	200.4	15,700	14,700	13,100	10,700	73.8	195.3	11,200	11,000	9,000	7,500			90
95	67.9	198.1	14,500	13,500	12,600	10,700	72.2	192.9	10,900	10,700	9,000	7,500			95
100	66.4	195.6	13,400	12,500	11,700	10,700	70.7	190.4	10,600	10,400	9,000	7,500			100
105	64.8	193.0	12,300	11,600	10,900	10,200	69.1	187.7	10,300	10,200	9,000	7,500			105
110	63.3	190.2	11,400	10,700	10,100	9,500	67.5	184.8	10,100	9,900	8,900	7,500			110
115	61.7	187.3	10,600	10,000	9,400	8,800	65.9	181.8	9,800	9,700	8,900	7,500			115
120	60.1	184.1	9,800	9,300	8,700	8,200	64.2	178.5	9,600	9,500	8,900	7,500			120
125	58.5	180.8	9,200	8,600	8,100	7,600	62.5	175.0	9,400	9,200	8,700	7,500			125
130	56.8	177.2	8,500	8,000	7,600	7,100	60.8	171.3	9,000	8,600	8,100	7,500			130
135	55.1	173.4	7,900	7,500	7,100	6,600	59.1	167.4	8,400	8,000	7,500	7,100			135
140	53.4	169.3	7,400	7,000	6,600	6,200	57.2	163.2	7,800	7,400	7,000	6,600			140
145	51.6	165.0	6,900	6,500	6,100	5,800	55.4	158.7	7,300	6,900	6,500	6,200			145
150	49.7	160.5	6,400	6,100	5,700	5,400	53.5	154.0	6,800	6,400	6,100	5,700			150
155	47.8	155.6	6,000	5,600	5,300	5,000	51.5	148.8	6,300	6,000	5,700	5,300			155
160	45.9	150.3	5,600	5,200	5,000	4,700	49.4	143.3	5,900	5,600	5,300	5,000			160
165	43.8	144.7	5,200	4,900	4,600	4,300	47.3	137.4	5,400	5,200	4,900	4,600			165
170	41.7	138.7	4,800	4,500	4,300	4,000	45.0	131.0	5,000	4,800	4,500	4,300			170
175	39.5	132.1	4,500	4,200	4,000	3,800	42.7	124.1	4,700	4,400	4,200	4,000			175
180	37.1	125.0	4,100	3,900	3,700	3,500	40.1	116.4	4,300	4,100	3,900	3,700			180
185	34.6	117.2	3,800	3,600	3,400	3,200	37.4	108.0	4,000	3,800	3,600	3,400			185
190	31.9	108.6	3,500	3,300	3,100	3,000	34.4	98.5	3,600	3,500	3,300	3,100			190
195	28.9	98.9	3,100	3,000	2,900	2,700	31.1	87.6	3,200	3,100	3,000	2,800			195
200	25.6	87.7	2,700	2,600	2,500	2,400									200
205	21.8	74.4	2,100	2,000	2,000										205

MLC80A-1 S-2

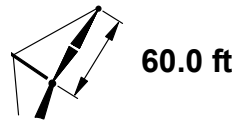
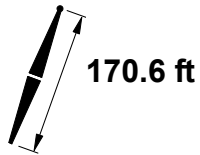
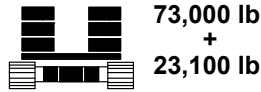


73,000 lb
+
23,100 lb



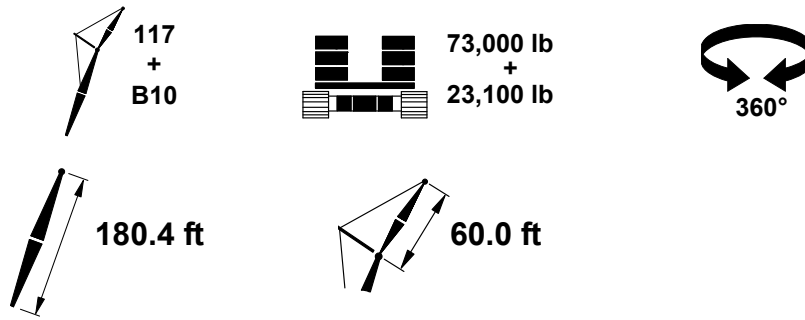
	10°							30°						
	ft	°	0°	1°	2°	3°	°	ft	0°	1°	2°	3°	ft	
55	79.9	222.4	19,000	16,000										55
60	78.5	221.2	18,900	15,800										60
65	77.2	219.8	18,600	15,700	12,700	9,700								65
70	75.8	218.3	18,400	15,700	12,700	9,700	80.2	213.3	12,700					70
75	74.5	216.7	18,200	15,600	12,700	9,700	78.8	211.7	12,300	11,000	8,900			75
80	73.1	215.0	17,900	15,500	12,700	9,700	77.4	209.9	12,000	10,900	8,900	7,400		80
85	71.7	213.1	16,900	15,300	12,700	9,700	76.0	208.0	11,600	10,900	8,900	7,400		85
90	70.3	211.1	15,500	14,400	12,700	9,700	74.6	205.9	11,300	10,800	8,900	7,400		90
95	68.9	208.9	14,200	13,200	12,300	9,700	73.1	203.7	11,000	10,700	8,800	7,400		95
100	67.5	206.6	13,100	12,200	11,400	9,700	71.6	201.3	10,800	10,600	8,800	7,400		100
105	66.0	204.1	12,100	11,300	10,500	9,700	70.2	198.8	10,500	10,300	8,800	7,400		105
110	64.6	201.5	11,200	10,400	9,800	9,100	68.7	196.1	10,300	10,100	8,800	7,400		110
115	63.1	198.7	10,300	9,700	9,100	8,500	67.1	193.2	10,000	9,900	8,800	7,400		115
120	61.6	195.7	9,600	9,000	8,400	7,900	65.6	190.1	9,800	9,600	8,800	7,400		120
125	60.1	192.6	8,900	8,300	7,800	7,300	64.0	186.9	9,500	8,900	8,400	7,400		125
130	58.5	189.2	8,300	7,700	7,300	6,800	62.4	183.5	8,800	8,300	7,800	7,300		130
135	56.9	185.7	7,700	7,200	6,700	6,300	60.8	179.8	8,200	7,700	7,300	6,800		135
140	55.3	181.9	7,100	6,700	6,300	5,900	59.1	175.9	7,600	7,200	6,700	6,300		140
145	53.6	178.0	6,600	6,200	5,800	5,500	57.4	171.8	7,100	6,700	6,300	5,900		145
150	52.0	173.7	6,100	5,800	5,400	5,100	55.6	167.4	6,600	6,200	5,800	5,500		150
155	50.2	169.2	5,700	5,400	5,000	4,700	53.8	162.7	6,100	5,700	5,400	5,100		155
160	48.4	164.5	5,300	5,000	4,700	4,400	51.9	157.7	5,600	5,300	5,000	4,700		160
165	46.6	159.4	4,900	4,600	4,300	4,000	50.0	152.4	5,200	4,900	4,600	4,300		165
170	44.7	153.9	4,500	4,300	4,000	3,700	48.0	146.7	4,800	4,500	4,300	4,000		170
175	42.7	148.1	4,200	3,900	3,700	3,400	45.9	140.5	4,500	4,200	3,900	3,700		175
180	40.6	141.8	3,900	3,600	3,400	3,200	43.7	133.9	4,100	3,900	3,600	3,400		180
185	38.4	135.1	3,600	3,300	3,100	2,900	41.4	126.7	3,800	3,500	3,300	3,100		185
190	36.1	127.7	3,300	3,100	2,900	2,700	38.9	118.8	3,400	3,200	3,000	2,800		190
195	33.7	119.7	2,900	2,700	2,600	2,400	36.2	110.0	3,100	2,900	2,700	2,600		195
200	31.0	110.8	2,400	2,300	2,300	2,200	33.3	100.2	2,700	2,500	2,400	2,300		200
205	28.1	100.8	2,000	2,000			30.0	88.9	2,200	2,100	2,000	2,000		205

MLC80A-1 S-2



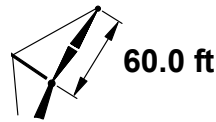
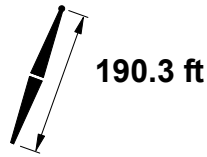
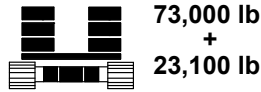
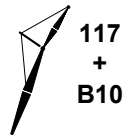
	10°							30°							
	ft	°	ft	0°	1°	2°	3°	ft	°	ft	0°	1°	2°	3°	ft
55	80.3	232.5	18,500												55
60	79.0	231.3	18,300	15,500											60
65	77.8	230.0	18,100	15,500	11,700	8,800									65
70	76.5	228.6	17,800	15,500	11,700	8,800	80.6	223.6	12,800						70
75	75.2	227.0	17,600	15,400	11,600	8,800	79.3	222.0	12,500	10,800					75
80	73.9	225.4	17,400	15,300	11,600	8,800	78.0	220.3	12,100	10,600	8,700	6,800			80
85	72.5	223.6	16,700	15,200	11,600	8,800	76.6	218.4	11,800	10,600	8,700	6,800			85
90	71.2	221.7	15,300	14,100	11,600	8,700	75.3	216.5	11,500	10,500	8,600	6,800			90
95	69.9	219.6	14,000	13,000	11,600	8,700	73.9	214.4	11,200	10,500	8,600	6,800			95
100	68.5	217.4	12,900	11,900	11,100	8,700	72.5	212.1	10,900	10,400	8,600	6,800			100
105	67.2	215.1	11,900	11,000	10,200	8,700	71.1	209.7	10,700	10,400	8,600	6,800			105
110	65.8	212.6	11,000	10,200	9,500	8,700	69.7	207.2	10,400	10,300	8,600	6,800			110
115	64.4	210.0	10,100	9,400	8,800	8,200	68.2	204.5	10,200	10,000	8,600	6,800			115
120	62.9	207.2	9,400	8,700	8,100	7,600	66.8	201.6	10,000	9,400	8,600	6,800			120
125	61.5	204.2	8,700	8,100	7,500	7,000	65.3	198.5	9,300	8,700	8,200	6,800			125
130	60.0	201.1	8,000	7,500	7,000	6,500	63.8	195.3	8,700	8,100	7,600	6,800			130
135	58.6	197.7	7,500	7,000	6,500	6,000	62.3	191.9	8,000	7,500	7,000	6,600			135
140	57.0	194.2	6,900	6,500	6,000	5,600	60.7	188.2	7,400	7,000	6,500	6,100			140
145	55.5	190.5	6,400	6,000	5,600	5,200	59.1	184.4	6,900	6,500	6,000	5,700			145
150	53.9	186.6	5,900	5,500	5,200	4,800	57.5	180.3	6,400	6,000	5,600	5,200			150
155	52.3	182.4	5,500	5,100	4,800	4,400	55.8	176.0	5,900	5,500	5,200	4,800			155
160	50.6	178.0	5,100	4,700	4,400	4,100	54.1	171.4	5,500	5,100	4,800	4,500			160
165	48.9	173.3	4,700	4,400	4,100	3,800	52.3	166.5	5,100	4,700	4,400	4,100			165
170	47.2	168.3	4,300	4,000	3,800	3,500	50.5	161.4	4,700	4,400	4,100	3,800			170
175	45.4	163.1	4,000	3,700	3,400	3,200	48.6	155.8	4,300	4,000	3,700	3,500			175
180	43.5	157.4	3,700	3,400	3,200	2,900	46.6	149.9	3,900	3,700	3,400	3,200			180
185	41.6	151.4	3,400	3,100	2,900	2,700	44.6	143.5	3,600	3,400	3,100	2,900			185
190	39.6	144.9	3,100	2,800	2,600	2,400	42.4	136.7	3,300	3,100	2,800	2,600			190
195	37.4	137.9	2,800	2,600	2,400	2,200	40.2	129.2	3,000	2,800	2,600	2,400			195
200	35.2	130.3	2,400	2,200	2,100	2,000	37.7	121.1	2,600	2,500	2,300	2,100			200
205	32.8	122.0	2,000				35.1	112.0	2,200	2,100	2,000				205

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	10°			30°			
	ft	°	ft	lb	ft	lb	
55	80.7	242.5	17,700				55
60	79.5	241.4	17,500				60
65	78.3	240.2	17,400				65
70	77.0	238.8	17,100				70
75	75.8	237.3	17,000	79.8	232.2	12,600	75
80	74.5	235.8	16,800	78.5	230.6	12,300	80
85	73.3	234.1	16,400	77.2	228.9	11,900	85
90	72.0	232.2	15,000	75.9	227.0	11,600	90
95	70.7	230.3	13,800	74.6	225.0	11,300	95
100	69.5	228.2	12,600	73.3	222.8	11,100	100
105	68.2	225.9	11,600	72.0	220.6	10,800	105
110	66.8	223.6	10,700	70.6	218.1	10,600	110
115	65.5	221.1	9,900	69.2	215.6	10,300	115
120	64.2	218.4	9,100	67.9	212.8	9,900	120
125	62.8	215.6	8,400	66.5	210.0	9,100	125
130	61.4	212.7	7,800	65.0	206.9	8,400	130
135	60.0	209.5	7,200	63.6	203.7	7,800	135
140	58.6	206.2	6,700	62.1	200.3	7,200	140
145	57.1	202.7	6,100	60.6	196.7	6,700	145
150	55.7	199.0	5,700	59.1	192.9	6,200	150
155	54.2	195.2	5,200	57.6	188.9	5,700	155
160	52.6	191.1	4,800	56.0	184.6	5,300	160
165	51.0	186.7	4,400	54.3	180.1	4,800	165
170	49.4	182.1	4,100	52.7	175.3	4,400	170
175	47.8	177.3	3,700	50.9	170.3	4,100	175
180	46.1	172.1	3,400	49.1	164.9	3,700	180
185	44.3	166.6	3,100	47.3	159.2	3,400	185
190	42.5	160.8	2,800	45.4	153.0	3,100	190
195	40.6	154.6	2,500	43.4	146.5	2,800	195
200	38.6	147.9	2,100	41.3	139.4	2,500	200
205				39.0	131.7	2,100	205

MLC80A-1 S-2



	10°			30°			
	ft	°	ft	lb	ft	lb	
60	79.9	251.5	16,700				60
65	78.7	250.3	16,500				65
70	77.6	249.0	16,400				70
75	76.4	247.6	16,200				75
80	75.2	246.1	16,000	80.2	242.4	12,700	80
85	74.0	244.5	15,900	79.0	240.9	12,400	85
90	72.8	242.7	14,700	77.8	239.2	12,100	90
95	71.5	240.8	13,500	76.5	237.4	11,800	95
100	70.3	238.8	12,400	75.3	235.5	11,500	100
105	69.1	236.7	11,300	74.0	233.5	11,200	105
110	67.8	234.5	10,400	72.7	231.3	11,000	110
115	66.6	232.1	9,600	71.5	229.0	10,700	115
120	65.3	229.6	8,800	70.2	226.6	10,500	120
125	64.0	226.9	8,100	68.9	224.0	9,600	125
130	62.7	224.1	7,500	67.5	221.2	8,900	130
135	61.3	221.1	6,900	66.2	218.4	8,200	135
140	60.0	218.0	6,400	64.8	215.3	7,600	140
145	58.6	214.7	5,900	63.4	212.1	7,000	145
150	57.2	211.2	5,400	62.0	208.7	6,400	150
155	55.8	207.6	5,000	60.6	205.1	5,900	155
160	54.4	203.7	4,500	59.1	201.4	5,500	160
165	52.9	199.7	4,200	57.6	197.4	5,000	165
170	51.4	195.4	3,800	56.1	193.2	4,600	170
175	49.9	190.9	3,400	54.6	188.8	4,200	175
180	48.3	186.1	3,100	53.0	184.1	3,800	180
185	46.7	181.1	2,800	51.3	179.2	3,500	185
190	45.0	175.8	2,500	49.6	173.9	3,100	190
195	43.3	170.1	2,200	47.9	168.3	2,800	195
200				46.1	162.4	2,500	195
				44.2	156.1	2,200	200