

Liftcrane Jib Capacities

Jib No. 148 on
 Boom No. B60:680
 with Mast No. M10:684 or Mast No. M11:684
 400 000 kg VPC (Variable Position Counterweight)
 360 Degree Rating

MLC650 VPC-MAX SERIES 3



LIFTING CAPACITIES: Chart supplements Boom Capacity chart No. 9384-AM. 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.

BOOM BACKWARD STABILITY: Capacities indicated by (b) require 3 720 kg minimum weight suspended beneath jib point and (c) require 7 030 kg minimum weight. **Caution: Do not operate in areas indicated by (b) or (c) without required minimum weight.** Boom and jib may not lower and boom hoist wire rope may go slack causing wire rope damage or failure.

OPERATING CONDITIONS: Machine to operate on a firm, level, and uniformly supporting surface. Refer to Boom Rigging No. 81022686, Jib Rigging No. 81023385, Mast Rigging No. 81025005 or No. 84050187, Wire Rope Specifications chart No. 9532-A, Counterweight Arrangements chart No. 9349-A, and Wind Conditions chart No. 9531-A. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level, and uniformly supporting surface. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart No. 9677-A.



OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation 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 ground level to centerline of jib point shaft.

MACHINE EQUIPMENT: Machine equipped with VPC-MAX, 11 125 mm crawlers, 1 524 mm or 2 032 mm treads, 11 m live mast, 36 m mast, 16 part boom hoist reeving, boom support straps, and 400 000 kg VPC.

Luffing Jib Backstay Deduct	
Boom Length (m)	Deduct (kg)
44,0	2 800
50,0	3 500
56,0	3 900
62,0	4 600
68,0	4 600
74,0	4 600
80,0	5 000
86,0	5 700
92,0	6 100
98,0	6 700
104,0	7 300
110,0	7 900
116,0	7 900
122,0	7 900
128,0	7 900
Deduct the appropriate value from capacities when luffing jib backstays are stored on boom.	

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Refer to Table 1 (with luffing jib backstays stored) and Table 2 (without luffing jib backstays stored) 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 #, load blocks, hooks, weight ball, and slings must remain on ground until combined weights are within rated capacity of chart. Raising is not permitted in shaded areas of table.

Select counterweight position from Tables 1 or 2 that will allow raising and lowering of boom and jib length. Counterweight position selection may be changed with jib on ground or while jib is within operating range of capacity chart.

Combined weight beneath boom and jib point sheaves must not exceed block weight shown. Total weight beneath jib point must not exceed 2 800 kg.

Table 1a: With Luffing Jib Backstays

Over End or Side of Crawlers																		
Boom Length (m)	Counterweight Position																	
	11,8 m						18,3 m											
	Jib Length (m)																	
	12,0	18,0	24,0	30,0	36,0	42,0	12,0	18,0	24,0	30,0	36,0	42,0						
	Block Weight (kg)																	
44,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000						
50,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000						
56,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000						
62,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000						
68,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000						
74,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000						
80,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000						
86,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000						
92,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000						
98,0	10 200	10 200	10 200	10 200	10 200	10 200	21 000	21 000	21 000	21 000	21 000	21 000						
104,0	10 200	10 200	10 200	10 200	10 200	7 300	21 000	21 000	21 000	21 000	21 000	21 000						
110,0	#	#	#	#	#	#	21 000	21 000	21 000	10 200	10 200	10 200						
116,0	#	#	#	#	#	#	10 200	10 200	10 200	10 200	10 200	10 200						
122,0	Raising Not Permitted						10 200	10 200	7 300	7 300	7 300	#						
128,0							Raising Not Permitted						7 300	#	#	#	#	
134,0													Raising Not Permitted					
140,0																		

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Table 1b: With Luffing Jib Backstays

Over End of Blocked Crawlers												
Boom Length (m)	Counterweight Position											
	11,8 m						18,3 m					
	Jib Length (m)											
	12,0	18,0	24,0	30,0	36,0	42,0	12,0	18,0	24,0	30,0	36,0	42,0
	Block Weight (kg)											
44,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
50,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
56,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
62,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
68,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
74,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
80,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
86,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
92,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
98,0	10 200	10 200	10 200	10 200	10 200	10 200	21 000	21 000	21 000	21 000	21 000	21 000
104,0	10 200	10 200	10 200	10 200	10 200	7 300	21 000	21 000	21 000	21 000	21 000	21 000
110,0	#	#	#	#	#	#	21 000	21 000	21 000	10 200	10 200	10 200
116,0	#	#	#	#	#	#	10 200	10 200	10 200	10 200	10 200	10 200
122,0	#	#	#				10 200	10 200	7 300	7 300	7 300	#
128,0							7 300	#	#	#	#	#
134,0	Raising Not Permitted											
140,0												
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.												

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Table 2a: Without Luffing Jib Backstays

Over End or Side of Crawlers												
Boom Length (m)	Counterweight Position											
	11,8 m						18,3 m					
	Jib Length (m)											
	12,0	18,0	24,0	30,0	36,0	42,0	12,0	18,0	24,0	30,0	36,0	42,0
	Block Weight (kg)											
44,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
50,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
56,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
62,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
68,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
74,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
80,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
86,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
92,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
98,0	21 000	21 000	21 000	21 000	10 200	10 200	21 000	21 000	21 000	21 000	21 000	21 000
104,0	10 200	10 200	10 200	10 200	10 200	10 200	21 000	21 000	21 000	21 000	21 000	21 000
110,0	10 200	7 300	7 300	7 300	#	#	21 000	21 000	21 000	21 000	21 000	21 000
116,0	#	#	#	#	#	#	21 000	21 000	10 200	10 200	10 200	10 200
122,0	#	#					10 200	10 200	10 200	10 200	10 200	10 200
128,0							10 200	10 200	10 200	7 300	7 300	7 300
134,0	Raising Not Permitted						#	#	#	#	#	#
140,0							#	#	#	#	#	

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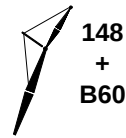
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Table 2b: Without Luffing Jib Backstays

Over End of Blocked Crawlers												
Boom Length (m)	Counterweight Position											
	11,8 m						18,3 m					
	Jib Length (m)											
	12,0	18,0	24,0	30,0	36,0	42,0	12,0	18,0	24,0	30,0	36,0	42,0
	Block Weight (kg)											
44,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
50,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
56,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
62,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
68,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
74,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
80,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
86,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
92,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
98,0	21 000	21 000	21 000	21 000	10 200	10 200	21 000	21 000	21 000	21 000	21 000	21 000
104,0	10 200	10 200	10 200	10 200	10 200	10 200	21 000	21 000	21 000	21 000	21 000	21 000
110,0	10 200	7 300	7 300	7 300	#	#	21 000	21 000	21 000	21 000	21 000	21 000
116,0	#	#	#	#	#	#	21 000	21 000	10 200	10 200	10 200	10 200
122,0	#	#	#	#	#	#	10 200	10 200	10 200	10 200	10 200	10 200
128,0	#	#	#	#			10 200	10 200	10 200	7 300	7 300	7 300
134,0	Raising Not Permitted						#	#	#	#	#	#
140,0							#	#	#	#	#	
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



Jib No. 148
+
Boom No. B60:680



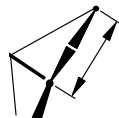
VPC (Variable Position Counterweight)



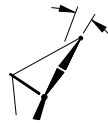
360 Degree Rating



Boom Length



Jib Length



Jib Offset Angle



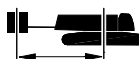
Operating Radius
(see page 1)



Boom Angle
(see page 1)



Jib Point Elevation
(see page 1)



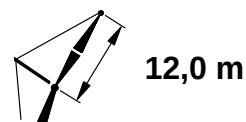
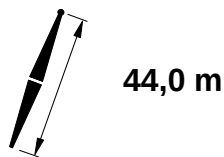
Counterweight Position
from Axis of Rotation



Lifting Capacities
(see page 1)

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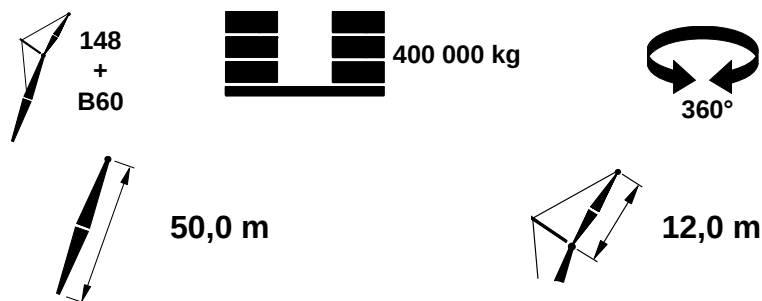
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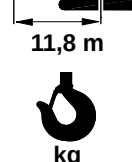
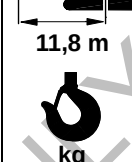
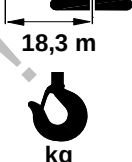


	10°				20°				
	m	°	m	kg	kg	°	m	kg	m
11,6	82,8	58,4	65 000c	65 000c					11,6
12,0	82,3	58,4	65 000c	65 000c					12,0
14,0	80,2	57,9	65 000b	65 000b	82,1	57,5	64 700c	64 700c	14,0
16,0	78,1	57,5	65 000b	65 000b	80,0	57,0	62 000b	62 000b	16,0
18,0	76,0	56,9	65 000	65 000	77,8	56,4	58 200	58 200	18,0
20,0	73,9	56,2	65 000	65 000	75,7	55,8	54 900	54 900	20,0
22,0	71,7	55,5	64 800	64 800	73,5	55,0	52 000	52 000	22,0
24,0	69,5	54,7	62 200	62 200	71,3	54,2	49 300	49 300	24,0
26,0	67,3	53,7	58 400	58 400	69,0	53,3	47 000	47 000	26,0
28,0	65,0	52,7	55 100	55 100	66,7	52,2	44 900	44 900	28,0
30,0	62,6	51,6	52 100	52 100	64,3	51,1	43 000	43 000	30,0
32,0	60,2	50,4	49 500	49 500	61,9	49,9	41 300	41 300	32,0
34,0	57,8	49,0	47 100	47 100	59,4	48,5	39 700	39 700	34,0
36,0	55,2	47,5	45 000	45 000	56,8	47,0	38 300	38 300	36,0
38,0	52,6	45,9	43 000	43 000	54,2	45,3	37 000	37 000	38,0
40,0	49,9	44,1	41 300	41 300	51,4	43,5	35 900	35 900	40,0
42,0	47,0	42,2	39 700	39 700	48,5	41,5	34 800	34 800	42,0
44,0	44,0	40,0	38 200	38 200	45,4	39,3	33 900	33 900	44,0
46,0	40,8	37,5	36 900	36 900	42,1	36,8	33 000	33 000	46,0
48,0	37,3	34,8	35 700	35 700	38,6	34,0	32 200	32 200	48,0
50,0	33,5	31,6	34 600	34 600	34,7	30,7	31 500	31 500	50,0
52,0	29,2	27,9	33 700	33 700	30,2	26,9	31 000	31 000	52,0
54,0	24,1	23,3	32 900	32 900					54,0

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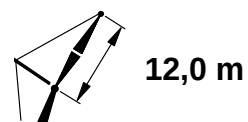
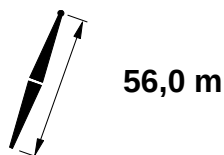
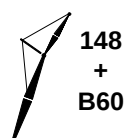
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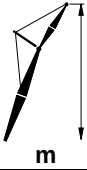
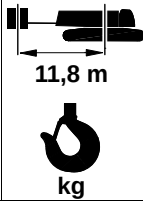
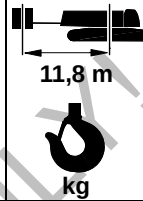
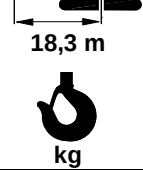
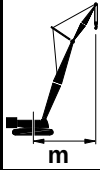


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
12,2	82,9	64,4	65 000b	65 000b					12,2
14,0	81,2	64,1	65 000	65 000					14,0
16,0	79,3	63,6	65 000	65 000	81,0	63,1	63 700b	63 700b	16,0
18,0	77,4	63,1	65 000	65 000	79,0	62,6	60 200	60 200	18,0
20,0	75,5	62,5	65 000	65 000	77,1	62,0	57 000	57 000	20,0
22,0	73,5	61,8	65 000	65 000	75,2	61,4	54 100	54 100	22,0
24,0	71,6	61,1	65 000	65 000	73,2	60,6	51 600	51 600	24,0
26,0	69,6	60,3	62 400	62 400	71,2	59,8	49 200	49 200	26,0
28,0	67,6	59,4	58 900	58 900	69,1	58,9	47 100	47 100	28,0
30,0	65,5	58,4	55 900	55 900	67,1	57,9	45 200	45 200	30,0
32,0	63,4	57,3	53 100	53 100	64,9	56,8	43 500	43 500	32,0
34,0	61,3	56,2	50 600	50 600	62,8	55,6	41 900	41 900	34,0
36,0	59,1	54,9	48 300	48 300	60,6	54,3	40 500	40 500	36,0
38,0	56,9	53,5	46 300	46 300	58,3	52,9	39 100	39 100	38,0
40,0	54,6	52,0	44 500	44 500	56,0	51,4	37 900	37 900	40,0
42,0	52,2	50,3	42 700	42 700	53,6	49,7	36 800	36 800	42,0
44,0	49,7	48,6	41 200	41 200	51,1	47,9	35 700	35 700	44,0
46,0	47,1	46,6	39 700	39 700	48,4	45,9	34 800	34 800	46,0
48,0	44,4	44,5	38 400	38 400	45,7	43,8	33 900	33 900	48,0
50,0	41,6	42,1	37 200	37 200	42,8	41,4	33 200	33 200	50,0
52,0	38,5	39,5	36 100	36 100	39,7	38,7	32 400	32 400	52,0
54,0	35,2	36,5	35 100	35 100	36,3	35,7	31 800	31 800	54,0
56,0	31,6	33,1	34 200	34 200	32,6	32,2	31 300	31 300	56,0
58,0	27,5	29,2	33 400	33 400					58,0
60,0	22,7	24,3	32 700	32 700					60,0

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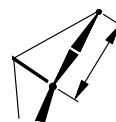
	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
13,7	82,2	70,2	65 000	65 000					13,7
14,0	82,0	70,2	65 000	65 000					14,0
16,0	80,3	69,8	65 000	65 000	81,8	69,3	64 500	64 500	16,0
18,0	78,5	69,3	65 000	65 000	80,0	68,8	62 000	62 000	18,0
20,0	76,8	68,8	65 000	65 000	78,3	68,3	58 900	58 900	20,0
22,0	75,1	68,2	65 000	65 000	76,5	67,7	56 100	56 100	22,0
24,0	73,3	67,5	65 000	65 000	74,7	67,0	53 600	53 600	24,0
26,0	71,5	66,8	64 900	64 900	72,9	66,3	51 200	51 200	26,0
28,0	69,7	66,0	62 500	62 500	71,1	65,5	49 200	49 200	28,0
30,0	67,8	65,1	59 300	59 300	69,3	64,6	47 300	47 300	30,0
32,0	66,0	64,1	56 500	56 500	67,4	63,6	45 500	45 500	32,0
34,0	64,1	63,1	53 900	53 900	65,5	62,6	43 900	43 900	34,0
36,0	62,2	62,0	51 600	51 600	63,5	61,4	42 400	42 400	36,0
38,0	60,2	60,7	49 400	49 400	61,5	60,2	41 100	41 100	38,0
40,0	58,2	59,4	47 500	47 500	59,5	58,9	39 800	39 800	40,0
42,0	56,1	58,0	45 700	45 700	57,4	57,4	38 600	38 600	42,0
44,0	54,0	56,5	44 000	44 000	55,3	55,9	37 600	37 600	44,0
46,0	51,8	54,8	42 500	42 500	53,1	54,2	36 600	36 600	46,0
48,0	49,6	53,0	41 100	41 100	50,8	52,4	35 600	35 600	48,0
50,0	47,2	51,1	39 800	39 800	48,4	50,4	34 800	34 800	50,0
52,0	44,8	49,0	38 600	38 600	45,9	48,3	34 000	34 000	52,0
54,0	42,2	46,7	37 500	37 500	43,3	45,9	33 300	33 300	54,0
56,0	39,5	44,1	36 500	36 500	40,6	43,4	32 600	32 600	56,0
58,0	36,6	41,3	35 500	35 500	37,6	40,5	32 000	32 000	58,0
60,0	33,5	38,2	34 600	34 600	34,4	37,3	31 500	31 500	60,0
62,0	30,1	34,6	33 800	33 800	30,9	33,6	31 100	31 100	62,0
64,0	26,2	30,5	33 100	33 100	26,9	29,3	30 800	30 800	64,0
66,0	21,5	25,3	32 600	32 600					66,0

MLC650 VPC-MAX S-3

ASME B30.5



62,0 m

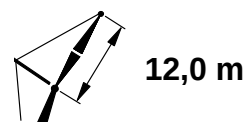
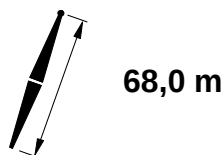


12,0 m

	10°				20°				
	m	°	m	kg	kg	m	kg	kg	m
13,7	82,9	76,3	65 000	65 000					13,7
14,0	82,6	76,3	65 000	65 000					14,0
16,0	81,1	75,9	65 000	65 000					16,0
18,0	79,5	75,5	65 000	65 000	80,9	75,0	63 500	63 500	18,0
20,0	77,9	75,0	65 000	65 000	79,3	74,5	60 600	60 600	20,0
22,0	76,3	74,4	65 000	65 000	77,7	73,9	57 800	57 800	22,0
24,0	74,7	73,8	65 000	65 000	76,0	73,3	55 300	55 300	24,0
26,0	73,1	73,2	65 000	65 000	74,4	72,7	53 100	53 100	26,0
28,0	71,4	72,4	64 700	64 700	72,7	71,9	51 000	51 000	28,0
30,0	69,8	71,6	62 600	62 600	71,1	71,1	49 100	49 100	30,0
32,0	68,1	70,8	59 700	59 700	69,4	70,2	47 400	47 400	32,0
34,0	66,4	69,8	57 000	57 000	67,7	69,3	45 800	45 800	34,0
36,0	64,6	68,8	54 600	54 600	65,9	68,3	44 300	44 300	36,0
38,0	62,9	67,7	52 400	52 400	64,1	67,2	42 900	42 900	38,0
40,0	61,1	66,6	50 400	50 400	62,3	66,0	41 600	41 600	40,0
42,0	59,3	65,3	48 500	48 500	60,5	64,7	40 400	40 400	42,0
44,0	57,4	64,0	46 800	46 800	58,6	63,4	39 300	39 300	44,0
46,0	55,5	62,5	45 200	45 200	56,7	61,9	38 300	38 300	46,0
48,0	53,5	61,0	43 700	43 700	54,7	60,3	37 300	37 300	48,0
50,0	51,5	59,3	42 300	42 300	52,7	58,7	36 400	36 400	50,0
52,0	49,5	57,5	41 000	41 000	50,6	56,9	35 600	35 600	52,0
54,0	47,3	55,6	39 800	39 800	48,4	54,9	34 800	34 800	54,0
56,0	45,1	53,5	38 800	38 800	46,1	52,8	34 100	34 100	56,0
58,0	42,8	51,2	37 700	37 700	43,8	50,5	33 400	33 400	58,0
60,0	40,3	48,8	36 800	36 800	41,3	48,0	32 800	32 800	60,0
62,0	37,7	46,1	35 900	35 900	38,7	45,3	32 200	32 200	62,0
64,0	35,0	43,1	35 000	35 000	35,9	42,3	31 700	31 700	64,0
66,0	32,0	39,8	34 300	34 300	32,8	38,9	31 300	31 300	66,0
68,0	28,7	36,1	33 600	33 600	29,4	35,0	31 000	31 000	68,0
70,0	25,0	31,7	33 000	33 000					70,0

MLC650 VPC-MAX S-3

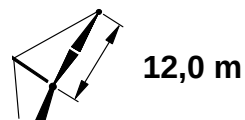
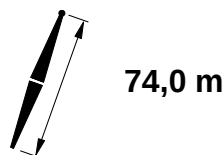
ASME B30.5

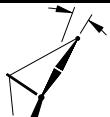
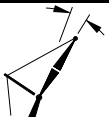
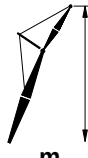
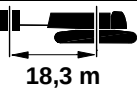
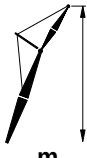
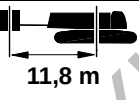


	10°				20°				
	m	°	m	kg	kg	m	kg	kg	m
15,2	82,3	82,1	65 000	65 000					15,2
16,0	81,7	82,0	65 000	65 000					16,0
18,0	80,3	81,6	65 000	65 000	81,6	81,1	64 600	64 600	18,0
20,0	78,8	81,2	65 000	65 000	80,1	80,7	62 000	62 000	20,0
22,0	77,4	80,7	65 000	65 000	78,6	80,2	59 400	59 400	22,0
24,0	75,9	80,1	65 000	65 000	77,1	79,6	56 900	56 900	24,0
26,0	74,4	79,5	65 000	65 000	75,6	79,0	54 700	54 700	26,0
28,0	72,9	78,8	65 000	65 000	74,1	78,3	52 700	52 700	28,0
30,0	71,3	78,1	64 700	64 700	72,6	77,6	50 800	50 800	30,0
32,0	69,8	77,3	62 700	62 700	71,0	76,8	49 000	49 000	32,0
34,0	68,3	76,4	60 000	60 000	69,5	75,9	47 400	47 400	34,0
36,0	66,7	75,5	57 500	57 500	67,9	75,0	45 900	45 900	36,0
38,0	65,1	74,5	55 200	55 200	66,3	74,0	44 500	44 500	38,0
40,0	63,5	73,5	53 100	53 100	64,6	72,9	43 300	43 300	40,0
42,0	61,8	72,3	51 200	51 200	63,0	71,8	42 100	42 100	42,0
44,0	60,2	71,1	49 400	49 400	61,3	70,6	40 900	40 900	44,0
46,0	58,5	69,9	47 700	47 700	59,6	69,3	39 900	39 900	46,0
48,0	56,7	68,5	46 200	46 200	57,8	67,9	38 900	38 900	48,0
50,0	55,0	67,0	44 800	44 800	56,0	66,4	38 000	38 000	50,0
52,0	53,1	65,4	43 400	43 400	54,2	64,8	37 100	37 100	52,0
54,0	51,3	63,8	42 200	42 200	52,3	63,1	36 300	36 300	54,0
56,0	49,4	62,0	41 000	41 000	50,4	61,3	35 500	35 500	56,0
58,0	47,4	60,1	39 900	39 900	48,4	59,4	34 800	34 800	58,0
60,0	45,3	58,0	38 900	38 900	46,3	57,3	34 100	34 100	60,0
62,0	43,2	55,8	37 900	37 900	44,2	55,1	33 500	33 500	62,0
64,0	41,0	53,4	37 000	37 000	41,9	52,6	32 900	32 900	64,0
66,0	38,6	50,8	36 200	36 200	39,5	50,0	32 400	32 400	66,0
68,0	36,2	48,0	35 400	35 400	37,0	47,1	31 900	31 900	68,0
70,0	33,5	44,9	34 700	34 700	34,3	43,9	31 500	31 500	70,0
74,0	27,5	37,5	33 400	33 400	28,1	36,3	30 800	30 800	74,0

MLC650 VPC-MAX S-3

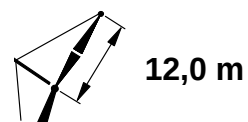
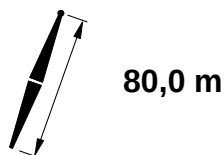
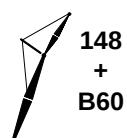
ASME B30.5



	 10°				 20°					
	 m	 °	 m	 11,8 m  kg	 18,3 m  kg	 °	 m	 11,8 m  kg		 18,3 m  kg
15,2	82,8	88,2	65 000	65 000						15,2
16,0	82,3	88,1	65 000	65 000						16,0
18,0	81,0	87,7	65 000	65 000						18,0
20,0	79,6	87,3	65 000	65 000	80,8	86,8	63 400	63 400		20,0
22,0	78,3	86,8	65 000	65 000	79,4	86,3	60 800	60 800		22,0
24,0	76,9	86,3	65 000	65 000	78,1	85,8	58 400	58 400		24,0
26,0	75,5	85,8	65 000	65 000	76,7	85,3	56 200	56 200		26,0
28,0	74,1	85,1	65 000	65 000	75,3	84,6	54 200	54 200		28,0
30,0	72,7	84,5	65 000	65 000	73,9	84,0	52 300	52 300		30,0
32,0	71,3	83,7	64 800	64 800	72,4	83,2	50 600	50 600		32,0
34,0	69,9	83,0	62 800	62 800	71,0	82,4	49 000	49 000		34,0
36,0	68,4	82,1	60 300	60 300	69,5	81,6	47 500	47 500		36,0
38,0	67,0	81,2	57 900	57 900	68,1	80,7	46 100	46 100		38,0
40,0	65,5	80,2	55 800	55 800	66,6	79,7	44 800	44 800		40,0
42,0	64,0	79,2	53 800	53 800	65,1	78,7	43 600	43 600		42,0
44,0	62,5	78,1	52 000	52 000	63,5	77,6	42 400	42 400		44,0
46,0	60,9	77,0	50 200	50 200	62,0	76,4	41 400	41 400		46,0
48,0	59,4	75,7	48 600	48 600	60,4	75,1	40 400	40 400		48,0
50,0	57,8	74,4	47 200	47 200	58,8	73,8	39 400	39 400		50,0
52,0	56,2	73,0	45 800	45 800	57,2	72,4	38 500	38 500		52,0
54,0	54,5	71,5	44 400	44 400	55,5	70,9	37 700	37 700		54,0
56,0	52,8	69,9	43 200	43 200	53,8	69,3	36 900	36 900		56,0
58,0	51,1	68,2	42 100	42 100	52,0	67,6	36 200	36 200		58,0
60,0	49,3	66,4	41 000	41 000	50,2	65,8	35 500	35 500		60,0
62,0	47,4	64,5	40 000	40 000	48,4	63,9	34 800	34 800		62,0
64,0	45,5	62,5	39 000	39 000	46,5	61,8	34 200	34 200		64,0
66,0	43,6	60,3	38 100	38 100	44,5	59,6	33 600	33 600		66,0
68,0	41,5	58,0	37 300	37 300	42,4	57,2	33 100	33 100		68,0
70,0	39,4	55,5	36 400	36 400	40,2	54,7	32 600	32 600		70,0
74,0	34,8	49,8	35 000	35 000	35,5	48,9	31 700	31 700		74,0
78,0	29,5	42,9	33 300	33 800	30,1	41,8	31 000	31 000		78,0
82,0	23,0	34,0	28 900	32 700						82,0

MLC650 VPC-MAX S-3

ASME B30.5



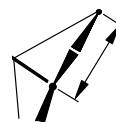
	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
16,8	82,4	94,0	65 000	65 000						16,8
18,0	81,6	93,8	65 000	65 000						18,0
20,0	80,3	93,4	65 000	65 000	81,4	92,9	64 600	64 600		20,0
22,0	79,0	93,0	65 000	65 000	80,1	92,5	62 100	62 100		22,0
24,0	77,8	92,5	65 000	65 000	78,9	92,0	59 700	59 700		24,0
26,0	76,5	92,0	65 000	65 000	77,6	91,5	57 600	57 600		26,0
28,0	75,2	91,4	65 000	65 000	76,3	90,9	55 600	55 600		28,0
30,0	73,9	90,8	65 000	65 000	75,0	90,3	53 800	53 800		30,0
32,0	72,6	90,1	65 000	65 000	73,6	89,6	52 100	52 100		32,0
34,0	71,2	89,4	64 500	64 500	72,3	88,9	50 500	50 500		34,0
36,0	69,9	88,6	62 900	62 900	71,0	88,1	49 000	49 000		36,0
38,0	68,6	87,8	60 500	60 500	69,6	87,3	47 600	47 600		38,0
40,0	67,2	86,9	58 300	58 300	68,2	86,4	46 300	46 300		40,0
42,0	65,8	86,0	56 300	56 300	66,9	85,4	45 100	45 100		42,0
44,0	64,4	84,9	54 400	54 400	65,5	84,4	43 900	43 900		44,0
46,0	63,0	83,9	52 600	52 600	64,0	83,3	42 800	42 800		46,0
48,0	61,6	82,7	51 000	51 000	62,6	82,2	41 800	41 800		48,0
50,0	60,1	81,5	49 500	49 500	61,1	81,0	40 800	40 800		50,0
52,0	58,7	80,3	48 000	48 000	59,6	79,7	39 900	39 900		52,0
54,0	57,2	78,9	46 700	46 700	58,1	78,3	39 100	39 100		54,0
56,0	55,6	77,5	45 400	45 400	56,6	76,9	38 300	38 300		56,0
58,0	54,1	76,0	44 200	44 200	55,0	75,4	37 500	37 500		58,0
60,0	52,5	74,4	43 100	43 100	53,4	73,8	36 800	36 800		60,0
62,0	50,9	72,7	42 000	42 000	51,8	72,1	36 100	36 100		62,0
64,0	49,2	70,9	41 000	41 000	50,1	70,3	35 400	35 400		64,0
66,0	47,5	69,0	40 000	40 000	48,4	68,3	34 800	34 800		66,0
68,0	45,7	67,0	39 100	39 100	46,6	66,3	34 200	34 200		68,0
70,0	43,9	64,9	38 300	38 300	44,7	64,1	33 700	33 700		70,0
74,0	40,0	60,1	36 500	36 700	40,8	59,3	32 700	32 700		74,0
78,0	35,8	54,6	32 300	35 300	36,5	53,7	31 800	31 900		78,0
82,0	31,1	48,1	28 000	34 100	31,7	47,1	28 300	31 200		82,0
86,0	25,5	40,1	24 100	33 100						86,0

MLC650 VPC-MAX S-3

ASME B30.5



86,0 m

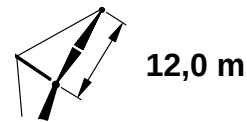
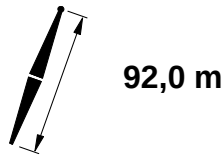


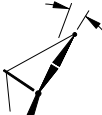
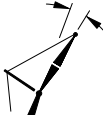
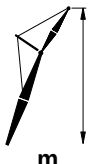
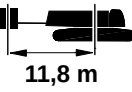
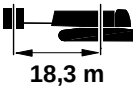
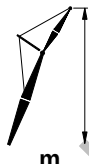
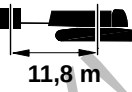
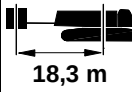
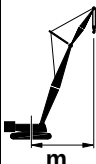
12,0 m

10°					20°				
m	°	m	kg	kg	°	m	kg	kg	m
16,8	82,8	100,1	65 000	65 000					16,8
18,0	82,1	99,9	65 000	65 000					18,0
20,0	80,9	99,6	65 000	65 000	82,0	99,1	64 600	64 600	20,0
22,0	79,7	99,2	65 000	65 000	80,8	98,7	63 200	63 200	22,0
24,0	78,5	98,7	65 000	65 000	79,6	98,2	61 000	61 000	24,0
26,0	77,3	98,2	65 000	65 000	78,3	97,7	58 900	58 900	26,0
28,0	76,1	97,7	65 000	65 000	77,1	97,2	56 900	56 900	28,0
30,0	74,9	97,1	65 000	65 000	75,9	96,6	55 100	55 100	30,0
32,0	73,7	96,5	65 000	65 000	74,7	95,9	53 400	53 400	32,0
34,0	72,4	95,8	64 900	64 900	73,4	95,3	51 900	51 900	34,0
36,0	71,2	95,1	64 300	64 300	72,2	94,5	50 400	50 400	36,0
38,0	69,9	94,3	63 000	63 000	70,9	93,8	49 000	49 000	38,0
40,0	68,7	93,5	60 800	60 800	69,7	92,9	47 700	47 700	40,0
42,0	67,4	92,6	58 700	58 700	68,4	92,0	46 500	46 500	42,0
44,0	66,1	91,7	56 800	56 800	67,1	91,1	45 300	45 300	44,0
46,0	64,8	90,7	55 000	55 000	65,8	90,1	44 200	44 200	46,0
48,0	63,5	89,6	53 300	53 300	64,5	89,1	43 200	43 200	48,0
50,0	62,2	88,5	51 700	51 700	63,1	87,9	42 200	42 200	50,0
52,0	60,8	87,4	50 200	50 200	61,8	86,8	41 300	41 300	52,0
54,0	59,5	86,1	48 800	48 800	60,4	85,5	40 400	40 400	54,0
56,0	58,1	84,8	47 500	47 500	59,0	84,2	39 600	39 600	56,0
58,0	56,6	83,5	46 300	46 300	57,5	82,8	38 800	38 800	58,0
60,0	55,2	82,0	45 100	45 100	56,1	81,4	38 000	38 000	60,0
62,0	53,7	80,5	44 000	44 000	54,6	79,9	37 300	37 300	62,0
64,0	52,2	78,9	42 900	42 900	53,1	78,2	36 600	36 600	64,0
66,0	50,7	77,2	41 900	41 900	51,6	76,5	36 000	36 000	66,0
68,0	49,1	75,4	41 000	41 000	50,0	74,7	35 400	35 400	68,0
70,0	47,5	73,5	40 100	40 100	48,4	72,8	34 800	34 800	70,0
74,0	44,2	69,4	38 100	38 400	45,0	68,6	33 800	33 800	74,0
78,0	40,6	64,7	33 600	37 000	41,3	63,9	32 800	32 800	78,0
82,0	36,7	59,4	29 200	35 600	37,4	58,5	29 700	32 000	82,0
86,0	32,4	53,2	25 200	34 500	33,0	52,2	25 500	31 400	86,0
90,0	27,5	45,7	21 500	33 400					90,0
94,0	21,4	36,2	18 000	32 600					94,0

MLC650 VPC-MAX S-3

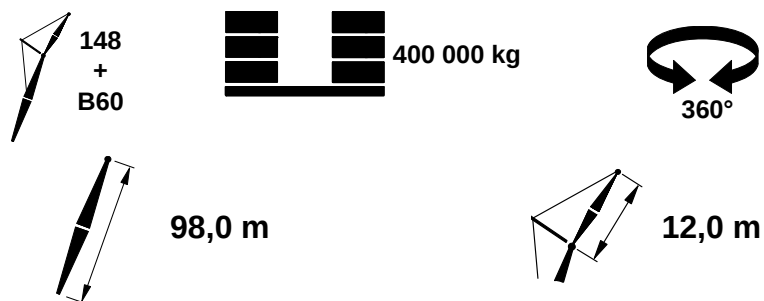
ASME B30.5

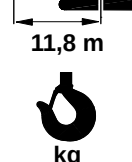
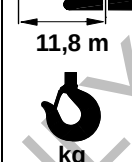
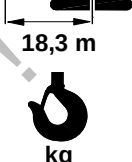


	 10°					 20°					
	 m	 °	 m	 kg	 kg	 °	 m	 kg	 kg	 m	
18,3	82,4	105,9	65 000	65 000	82,4	105,1	64 400	64 400	18,3		
20,0	81,4	105,6	65 000	65 000	81,3	104,7	63 900	63 900	20,0		
22,0	80,3	105,3	65 000	65 000	80,2	104,3	62 100	62 100	22,0		
24,0	79,2	104,8	65 000	65 000	79,0	103,9	60 100	60 100	24,0		
26,0	78,1	104,4	65 000	65 000	77,9	103,3	58 200	58 200	26,0		
28,0	76,9	103,9	65 000	65 000	76,7	102,8	56 400	56 400	28,0		
30,0	75,8	103,3	65 000	65 000	75,6	102,2	54 700	54 700	30,0		
32,0	74,6	102,7	65 000	65 000	74,4	101,6	53 100	53 100	32,0		
34,0	73,5	102,1	65 000	65 000	73,3	100,9	51 700	51 700	34,0		
36,0	72,3	101,4	64 800	64 800	72,1	100,2	50 300	50 300	36,0		
38,0	71,2	100,7	64 000	64 000	70,9	99,4	49 000	49 000	38,0		
40,0	70,0	99,9	63 000	63 000	69,7	98,6	47 800	47 800	40,0		
42,0	68,8	99,1	61 100	61 100	68,5	97,7	46 600	46 600	42,0		
44,0	67,6	98,2	59 100	59 100	67,3	96,8	45 500	45 500	44,0		
46,0	66,4	97,3	57 200	57 200	66,1	95,8	44 500	44 500	46,0		
48,0	65,2	96,3	55 500	55 500	64,8	94,8	43 500	43 500	48,0		
50,0	63,9	95,3	53 900	53 900	63,6	93,7	42 600	42 600	50,0		
52,0	62,7	94,2	52 400	52 400	62,3	92,5	41 700	41 700	52,0		
54,0	61,4	93,1	50 900	50 900	61,0	91,3	40 800	40 800	54,0		
56,0	60,1	91,9	49 600	49 600	59,7	90,1	40 000	40 000	56,0		
58,0	58,8	90,7	48 300	48 300	58,4	88,7	39 300	39 300	58,0		
60,0	57,5	89,3	47 100	47 100	57,0	87,3	38 600	38 600	60,0		
62,0	56,2	87,9	45 900	45 900	55,6	85,8	37 900	37 900	62,0		
64,0	54,8	86,5	44 800	44 800	54,2	84,3	37 200	37 200	64,0		
66,0	53,4	84,9	43 800	43 800	52,8	82,7	36 600	36 600	66,0		
68,0	52,0	83,3	42 800	42 800	51,4	81,0	36 000	36 000	68,0		
70,0	50,6	81,6	41 900	41 900	48,3	77,2	34 900	34 900	70,0		
74,0	47,6	77,9	37 300	40 200	45,2	73,1	33 100	33 900	74,0		
78,0	44,4	73,9	32 500	38 600	41,8	68,5	28 600	33 000	78,0		
82,0	41,1	69,3	28 100	37 200	38,1	63,2	24 500	32 200	82,0		
86,0	37,5	64,1	24 100	35 900	34,1	57,2	20 800	31 500	86,0		
90,0	33,5	58,1	20 400	34 800	29,6	50,0	17 300	31 000	90,0		
94,0	29,1	51,1	17 000	33 700					94,0		
98,0	23,8	42,4	13 800	32 900					98,0		

MLC650 VPC-MAX S-3

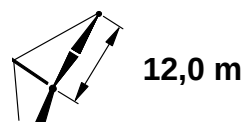
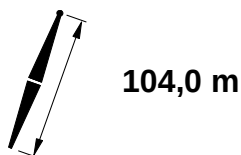
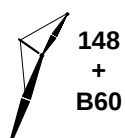
ASME B30.5

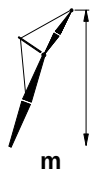
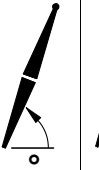
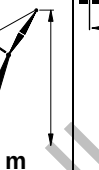
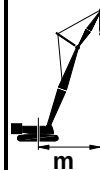


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
18,3	82,8	112,0	65 000	65 000	82,8	111,2	64 100	64 100	18,3
20,0	81,9	111,7	65 000	65 000	81,8	110,9	64 000	64 000	20,0
22,0	80,9	111,4	65 000	65 000	80,7	110,5	63 000	63 000	22,0
24,0	79,8	111,0	65 000	65 000	79,6	110,0	61 200	61 200	24,0
26,0	78,7	110,5	65 000	65 000	78,6	109,5	59 300	59 300	26,0
28,0	77,7	110,1	65 000	65 000	77,5	109,0	57 600	57 600	28,0
30,0	76,6	109,5	65 000	65 000	76,4	108,5	55 900	55 900	30,0
32,0	75,5	109,0	65 000	65 000	75,3	107,9	54 400	54 400	32,0
34,0	74,4	108,4	65 000	65 000	74,2	107,2	52 900	52 900	34,0
36,0	73,3	107,8	65 000	65 000	73,1	106,5	51 600	51 600	36,0
38,0	72,2	107,1	64 700	64 700	72,0	105,8	50 200	50 200	38,0
40,0	71,1	106,4	63 800	63 800	70,9	105,0	49 000	49 000	40,0
42,0	70,0	105,6	62 900	62 900	69,8	104,2	47 900	47 900	42,0
44,0	68,9	104,8	61 300	61 300	68,6	103,4	46 800	46 800	44,0
46,0	67,8	103,9	59 500	59 500	67,5	102,5	45 700	45 700	46,0
48,0	66,6	103,0	57 700	57 700	66,3	101,5	44 800	44 800	48,0
50,0	65,5	102,1	56 000	56 000	65,1	100,5	43 800	43 800	50,0
52,0	64,3	101,0	54 500	54 500	64,0	99,4	42 900	42 900	52,0
54,0	63,1	100,0	53 000	53 000	62,8	98,3	42 100	42 100	54,0
56,0	61,9	98,9	51 600	51 600	61,5	97,1	41 200	41 200	56,0
58,0	60,7	97,7	50 300	50 300	60,3	95,9	40 500	40 500	58,0
60,0	59,5	96,5	49 000	49 000	59,1	94,6	39 700	39 700	60,0
62,0	58,3	95,2	47 900	47 900	57,8	93,3	39 000	39 000	62,0
64,0	57,0	93,9	46 700	46 700	56,5	91,8	38 400	38 400	64,0
66,0	55,7	92,5	45 600	45 600	55,2	90,3	37 700	37 700	66,0
68,0	54,5	91,0	43 400	43 400	53,9	88,8	37 100	37 100	68,0
70,0	53,1	89,4	40 500	40 500	51,2	85,4	35 600	35 600	70,0
74,0	50,4	86,1	35 100	35 100	48,3	81,7	31 000	31 000	74,0
78,0	47,6	82,4	30 300	30 300	45,3	77,6	26 500	26 500	78,0
82,0	44,6	78,4	25 900	25 900	42,2	73,1	22 500	22 500	82,0
86,0	41,5	73,8	21 900	21 900	38,8	67,9	18 700	18 700	86,0
90,0	38,1	68,8	18 300	18 300	35,1	62,1	15 300	15 300	90,0
94,0	34,5	63,0	14 900	14 900	30,9	55,3	12 100	12 100	94,0
98,0	30,4	56,3	11 800	11 800					98,0
102,0	25,8	48,3	8 800	8 800					102,0
106,0	20,1	38,1	6 100	6 100					106,0

MLC650 VPC-MAX S-3

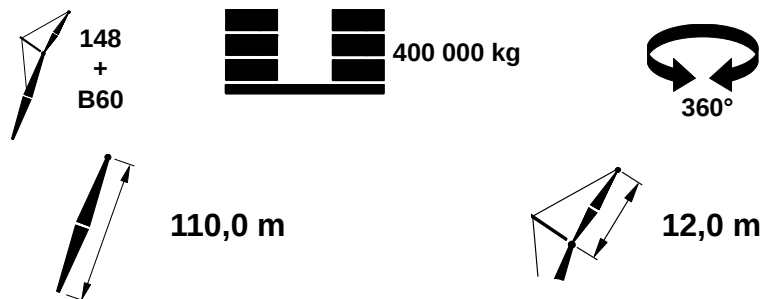
ASME B30.5

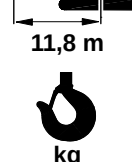
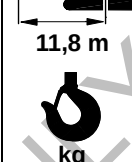
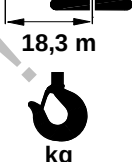


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
19,8	82,4	117,8	65 000	65 000						19,8
20,0	82,3	117,8	65 000	65 000						20,0
22,0	81,3	117,5	65 000	65 000	82,2	117,0	63 600	63 600		22,0
24,0	80,3	117,1	65 000	65 000	81,2	116,6	63 400	63 400		24,0
26,0	79,3	116,7	65 000	65 000	80,2	116,2	62 200	62 200		26,0
28,0	78,3	116,2	65 000	65 000	79,2	115,7	60 400	60 400		28,0
30,0	77,3	115,7	65 000	65 000	78,2	115,2	58 600	58 600		30,0
32,0	76,3	115,2	65 000	65 000	77,1	114,7	57 000	57 000		32,0
34,0	75,2	114,7	64 900	64 900	76,1	114,1	55 500	55 500		34,0
36,0	74,2	114,1	64 800	64 800	75,1	113,5	54 100	54 100		36,0
38,0	73,2	113,4	64 700	64 700	74,0	112,9	52 700	52 700		38,0
40,0	72,1	112,7	64 300	64 300	73,0	112,2	51 400	51 400		40,0
42,0	71,1	112,0	63 500	63 500	71,9	111,5	50 200	50 200		42,0
44,0	70,0	111,2	62 600	62 600	70,9	110,7	49 100	49 100		44,0
46,0	69,0	110,4	61 600	61 600	69,8	109,9	48 000	48 000		46,0
48,0	67,9	109,6	59 800	59 800	68,7	109,0	46 900	46 900		48,0
50,0	66,8	108,7	58 100	58 100	67,6	108,1	46 000	46 000		50,0
52,0	65,7	107,8	56 500	56 500	66,5	107,2	45 000	45 000		52,0
54,0	64,6	106,8	55 000	55 000	65,4	106,2	44 100	44 100		54,0
56,0	63,5	105,7	53 600	53 600	64,3	105,2	43 200	43 200		56,0
58,0	62,4	104,6	52 300	52 300	63,2	104,1	42 400	42 400		58,0
60,0	61,3	103,5	51 000	51 000	62,0	102,9	41 700	41 700		60,0
62,0	60,1	102,3	49 800	49 800	60,9	101,7	40 900	40 900		62,0
64,0	59,0	101,1	48 600	48 600	59,7	100,5	40 200	40 200		64,0
66,0	57,8	99,8	47 500	47 500	58,5	99,1	39 500	39 500		66,0
68,0	56,6	98,4	45 800	46 500	57,3	97,8	38 800	38 800		68,0
70,0	55,4	97,0	43 000	45 500	56,1	96,3	38 200	38 200		70,0
74,0	52,9	93,9	37 400	43 600	53,6	93,3	37 000	37 000		74,0
78,0	50,3	90,6	32 400	41 900	51,0	89,9	33 200	36 000		78,0
82,0	47,6	86,9	27 800	40 400	48,3	86,2	28 500	35 000		82,0
86,0	44,8	82,9	23 700	39 000	45,5	82,1	24 300	34 100		86,0
90,0	41,9	78,4	19 900	37 600	42,5	77,6	20 500	33 200		90,0
94,0	38,7	73,4	16 500	36 500	39,3	72,6	16 900	32 500		94,0
98,0	35,3	67,8	13 300	35 400	35,9	66,9	13 600	31 800		98,0
102,0	31,6	61,4	10 300	34 400	32,1	60,4	10 600	31 300		102,0
106,0	27,4	53,9	7 500	33 500	27,8	52,8	7 700	30 900		106,0
110,0	22,5	44,7	4 800	32 800						110,0

MLC650 VPC-MAX S-3

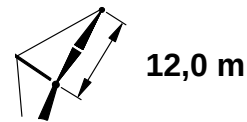
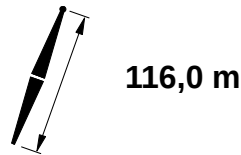
ASME B30.5

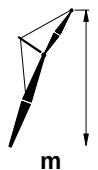
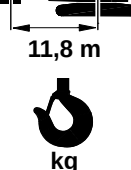
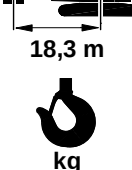
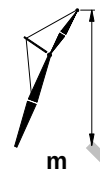
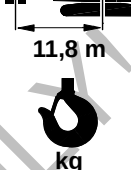
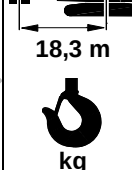
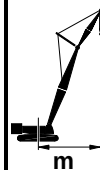


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
19,8	82,8	123,9	65 000	65 000					19,8
20,0	82,7	123,9	65 000	65 000					20,0
22,0	81,8	123,6	65 000	65 000	82,6	123,0	63 200	63 200	22,0
24,0	80,8	123,2	65 000	65 000	81,6	122,7	63 000	63 000	24,0
26,0	79,9	122,8	65 000	65 000	80,7	122,3	62 600	62 600	26,0
28,0	78,9	122,4	64 900	64 900	79,7	121,9	61 100	61 100	28,0
30,0	77,9	121,9	64 800	64 800	78,8	121,4	59 400	59 400	30,0
32,0	77,0	121,4	64 600	64 600	77,8	120,9	57 800	57 800	32,0
34,0	76,0	120,9	64 400	64 400	76,8	120,4	56 300	56 300	34,0
36,0	75,0	120,3	64 200	64 200	75,8	119,8	54 900	54 900	36,0
38,0	74,0	119,7	64 100	64 100	74,8	119,2	53 500	53 500	38,0
40,0	73,1	119,1	63 900	63 900	73,9	118,5	52 200	52 200	40,0
42,0	72,1	118,4	63 600	63 600	72,9	117,9	51 000	51 000	42,0
44,0	71,1	117,7	63 000	63 000	71,9	117,1	49 900	49 900	44,0
46,0	70,1	116,9	62 200	62 200	70,9	116,4	48 800	48 800	46,0
48,0	69,1	116,1	61 100	61 100	69,8	115,6	47 700	47 700	48,0
50,0	68,0	115,3	59 400	59 400	68,8	114,7	46 800	46 800	50,0
52,0	67,0	114,4	57 800	57 800	67,8	113,8	45 800	45 800	52,0
54,0	66,0	113,5	56 300	56 300	66,7	112,9	44 900	44 900	54,0
56,0	64,9	112,5	54 900	54 900	65,7	111,9	44 100	44 100	56,0
58,0	63,9	111,5	53 500	53 500	64,6	110,9	43 200	43 200	58,0
60,0	62,8	110,4	52 200	52 200	63,6	109,8	42 400	42 400	60,0
62,0	61,7	109,3	51 000	51 000	62,5	108,7	41 700	41 700	62,0
64,0	60,7	108,1	49 800	49 800	61,4	107,5	41 000	41 000	64,0
66,0	59,6	106,9	46 900	46 900	60,3	106,3	40 300	40 300	66,0
68,0	58,4	105,6	43 600	43 600	59,2	105,0	39 600	39 600	68,0
70,0	57,3	104,3	40 600	40 600	58,0	103,7	39 000	39 000	70,0
74,0	55,0	101,5	35 000	35 000	55,7	100,8	36 000	36 000	74,0
78,0	52,7	98,4	30 000	30 000	53,3	97,7	30 900	30 900	78,0
82,0	50,2	95,0	25 400	25 400	50,9	94,4	26 200	26 200	82,0
86,0	47,7	91,4	21 300	21 300	48,3	90,7	22 000	22 000	86,0
90,0	45,0	87,4	17 600	17 600	45,6	86,6	18 200	18 200	90,0
94,0	42,2	83,0	14 100	14 100	42,8	82,2	14 700	14 700	94,0
98,0	39,3	78,1	10 900	10 900	39,8	77,2	11 400	11 400	98,0
102,0	36,1	72,6	8 000	8 000	36,6	71,7	8 400	8 400	102,0
106,0	32,6	66,5	5 200	5 200	33,1	65,5	5 600	5 600	106,0
110,0	28,8	59,3			29,2	58,2			110,0
114,0	24,4	50,8							114,0
118,0	19,0	40,0							118,0

MLC650 VPC-MAX S-3

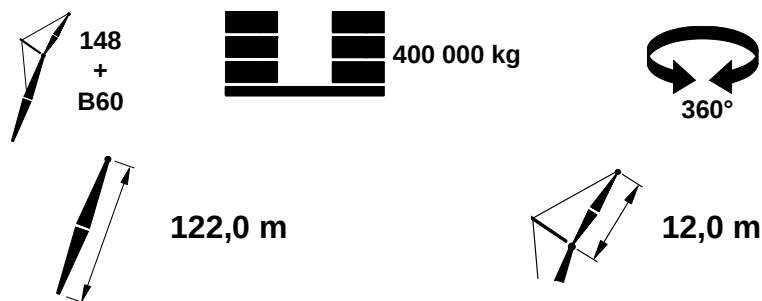
ASME B30.5

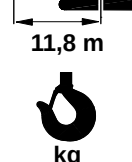
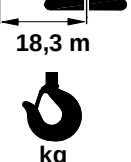
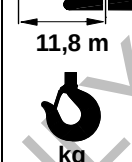
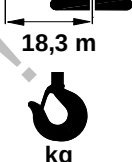


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
21,3	82,5	129,7	65 000	65 000						21,3
22,0	82,2	129,7	65 000	65 000						22,0
24,0	81,2	129,3	64 900	64 900	82,0	128,8	62 500	62 500		24,0
26,0	80,3	128,9	64 700	64 700	81,1	128,4	62 400	62 400		26,0
28,0	79,4	128,5	64 400	64 400	80,2	128,0	61 700	61 700		28,0
30,0	78,5	128,1	64 200	64 200	79,3	127,6	60 200	60 200		30,0
32,0	77,6	127,6	64 000	64 000	78,4	127,1	58 600	58 600		32,0
34,0	76,7	127,1	63 900	63 900	77,4	126,6	57 100	57 100		34,0
36,0	75,7	126,6	63 700	63 700	76,5	126,0	55 700	55 700		36,0
38,0	74,8	126,0	63 500	63 500	75,6	125,5	54 400	54 400		38,0
40,0	73,9	125,4	63 300	63 300	74,6	124,8	53 100	53 100		40,0
42,0	72,9	124,7	63 200	63 200	73,7	124,2	51 900	51 900		42,0
44,0	72,0	124,1	63 000	63 000	72,8	123,5	50 700	50 700		44,0
46,0	71,0	123,3	62 400	62 400	71,8	122,8	49 700	49 700		46,0
48,0	70,1	122,6	61 700	61 700	70,8	122,0	48 600	48 600		48,0
50,0	69,1	121,8	60 800	60 800	69,9	121,2	47 600	47 600		50,0
52,0	68,2	120,9	59 200	59 200	68,9	120,4	46 700	46 700		52,0
54,0	67,2	120,1	57 700	57 700	67,9	119,5	45 800	45 800		54,0
56,0	66,2	119,1	56 300	56 300	66,9	118,6	44 900	44 900		56,0
58,0	65,2	118,2	54 900	54 900	65,9	117,6	44 100	44 100		58,0
60,0	64,2	117,2	53 600	53 600	64,9	116,6	43 300	43 300		60,0
62,0	63,2	116,1	52 400	52 400	63,9	115,6	42 500	42 500		62,0
64,0	62,2	115,0	50 200	51 200	62,9	114,5	41 800	41 800		64,0
66,0	61,1	113,9	46 800	50 000	61,9	113,3	41 100	41 100		66,0
68,0	60,1	112,7	43 500	49 000	60,8	112,1	40 500	40 500		68,0
70,0	59,1	111,5	40 500	48 000	59,7	110,9	39 800	39 800		70,0
74,0	56,9	108,8	34 900	46 100	57,6	108,2	35 900	38 600		74,0
78,0	54,7	106,0	29 900	44 300	55,4	105,3	30 800	37 500		78,0
82,0	52,5	102,9	25 400	42 700	53,1	102,2	26 200	36 500		82,0
86,0	50,1	99,5	21 300	41 300	50,8	98,8	22 000	35 600		86,0
90,0	47,7	95,9	17 500	39 900	48,3	95,2	18 200	34 700		90,0
94,0	45,2	91,9	14 100	38 700	45,8	91,1	14 700	33 900		94,0
98,0	42,5	87,5	10 900	37 500	43,1	86,7	11 500	33 200		98,0
102,0	39,7	82,7	8 000	36 500	40,3	81,9	8 500	32 500		102,0
106,0	36,8	77,4	5 300	35 500	37,3	76,5	5 700	32 000		106,0
110,0	33,5	71,4		34 600	34,0	70,4		31 500		110,0
114,0	30,0	64,6		32 900	30,4	63,5		31 000		114,0
118,0	26,0	56,6		30 200						118,0
122,0	21,3	46,9		27 600						122,0

MLC650 VPC-MAX S-3

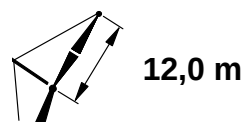
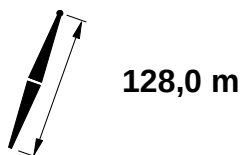
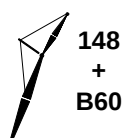
ASME B30.5

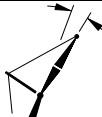
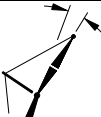
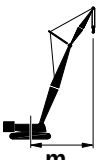
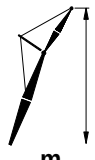
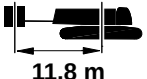
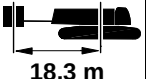
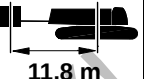
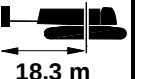


	10°					20°					
											
	m	°	m	kg	kg	°	m	kg	kg	m	
21,3	82,8	135,8	64 600	64 600						21,3	
22,0	82,5	135,7	64 500	64 500						22,0	
24,0	81,6	135,4	64 300	64 300		82,4	134,9	61 900	61 900	24,0	
26,0	80,8	135,0	64 100	64 100		81,5	134,5	61 800	61 800	26,0	
28,0	79,9	134,7	63 900	63 900		80,7	134,1	61 600	61 600	28,0	
30,0	79,0	134,2	63 700	63 700		79,8	133,7	60 900	60 900	30,0	
32,0	78,2	133,8	63 500	63 500		78,9	133,3	59 500	59 500	32,0	
34,0	77,3	133,3	63 300	63 300		78,0	132,8	58 000	58 000	34,0	
36,0	76,4	132,8	63 200	63 200		77,1	132,3	56 600	56 600	36,0	
38,0	75,5	132,2	63 000	63 000		76,3	131,7	55 300	55 300	38,0	
40,0	74,6	131,7	62 800	62 800		75,4	131,1	54 000	54 000	40,0	
42,0	73,7	131,1	62 700	62 700		74,5	130,5	52 800	52 800	42,0	
44,0	72,8	130,4	62 600	62 600		73,6	129,9	51 700	51 700	44,0	
46,0	71,9	129,7	62 400	62 400		72,7	129,2	50 600	50 600	46,0	
48,0	71,0	129,0	61 900	61 900		71,7	128,4	49 600	49 600	48,0	
50,0	70,1	128,2	61 300	61 300		70,8	127,7	48 600	48 600	50,0	
52,0	69,2	127,4	60 600	60 600		69,9	126,9	47 600	47 600	52,0	
54,0	68,3	126,6	59 400	59 400		69,0	126,1	46 700	46 700	54,0	
56,0	67,3	125,7	57 900	57 900		68,0	125,2	45 900	45 900	56,0	
58,0	66,4	124,8	56 500	56 500		67,1	124,3	45 100	45 100	58,0	
60,0	65,4	123,9	54 800	55 200		66,1	123,3	44 200	44 200	60,0	
62,0	64,5	122,9	51 500	53 900		65,2	122,3	43 500	43 500	62,0	
64,0	63,5	121,9	47 900	52 700		64,2	121,3	42 800	42 800	64,0	
66,0	62,6	120,8	44 400	51 600		63,2	120,2	42 100	42 100	66,0	
68,0	61,6	119,7	41 200	50 500		62,3	119,1	41 400	41 400	68,0	
70,0	60,6	118,5	38 200	49 500		61,3	117,9	39 300	40 800	70,0	
74,0	58,6	116,0	32 600	47 500		59,3	115,4	33 700	39 500	74,0	
78,0	56,5	113,4	27 500	45 800		57,2	112,7	28 500	38 400	78,0	
82,0	54,4	110,5	23 000	44 100		55,1	109,8	23 900	37 400	82,0	
86,0	52,3	107,4	18 900	42 600		52,9	106,7	19 700	36 400	86,0	
90,0	50,0	104,0	15 200	41 200		50,6	103,3	15 900	35 500	90,0	
94,0	47,7	100,3	11 700	39 900		48,3	99,6	12 400	34 700	94,0	
98,0	45,3	96,4	8 600	38 800		45,9	95,6	9 200	33 900	98,0	
102,0	42,8	92,1	5 700	37 700		43,4	91,3	6 200	33 300	102,0	
106,0	40,2	87,3		36 600		40,7	86,5	3 400	32 600	106,0	
110,0	37,3	82,1		34 000		37,8	81,2		32 100	110,0	
114,0	34,3	76,3		31 100		34,8	75,3		31 200	114,0	
118,0	31,1	69,7		28 400		31,5	68,7		28 500	118,0	
122,0	27,4	62,2		25 800		27,8	61,0		25 900	122,0	
126,0	23,2	53,2		23 400						126,0	

MLC650 VPC-MAX S-3

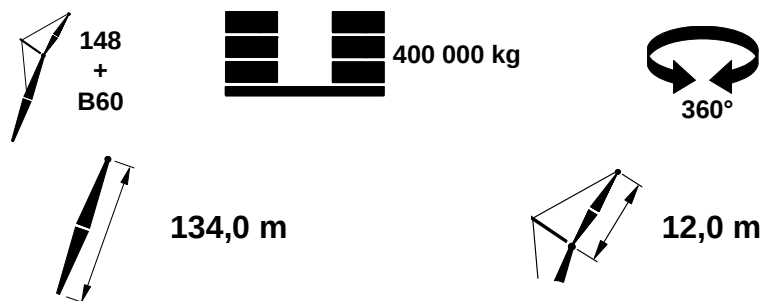
ASME B30.5

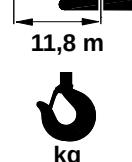
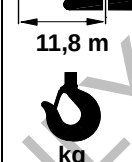
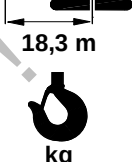


	 10°				 20°					
	 m	 °	 m	 11,8 m  kg	 18,3 m  kg	 °	 m	 11,8 m  kg		 18,3 m  kg
22,9	82,5	141,6	63 600	63 600						22,9
24,0	82,0	141,5	63 500	63 500						24,0
26,0	81,2	141,1	63 300	63 300	81,9	140,6	61 100	61 100		26,0
28,0	80,3	140,7	63 100	63 100	81,1	140,2	61 000	61 000		28,0
30,0	79,5	140,4	62 900	62 900	80,2	139,8	60 600	60 600		30,0
32,0	78,7	139,9	62 800	62 800	79,4	139,4	60 100	60 100		32,0
34,0	77,8	139,5	62 600	62 600	78,5	138,9	58 800	58 800		34,0
36,0	77,0	139,0	62 400	62 400	77,7	138,4	57 400	57 400		36,0
38,0	76,1	138,4	62 300	62 300	76,9	137,9	56 100	56 100		38,0
40,0	75,3	137,9	62 100	62 100	76,0	137,3	54 900	54 900		40,0
42,0	74,4	137,3	62 000	62 000	75,1	136,8	53 700	53 700		42,0
44,0	73,6	136,7	61 900	61 900	74,3	136,1	52 600	52 600		44,0
46,0	72,7	136,0	61 800	61 800	73,4	135,5	51 500	51 500		46,0
48,0	71,9	135,3	61 600	61 600	72,6	134,8	50 500	50 500		48,0
50,0	71,0	134,6	61 200	61 200	71,7	134,1	49 500	49 500		50,0
52,0	70,1	133,9	60 700	60 700	70,8	133,3	48 500	48 500		52,0
54,0	69,2	133,1	60 100	60 100	69,9	132,5	47 600	47 600		54,0
56,0	68,4	132,3	59 300	59 300	69,0	131,7	46 800	46 800		56,0
58,0	67,5	131,4	58 000	58 000	68,1	130,8	45 900	45 900		58,0
60,0	66,6	130,5	55 200	56 700	67,2	129,9	45 100	45 100		60,0
62,0	65,7	129,6	51 300	55 400	66,3	129,0	44 400	44 400		62,0
64,0	64,8	128,6	47 600	54 200	65,4	128,0	43 700	43 700		64,0
66,0	63,8	127,6	44 100	53 100	64,5	127,0	42 900	42 900		66,0
68,0	62,9	126,5	40 900	52 000	63,6	125,9	41 800	42 300		68,0
70,0	62,0	125,4	37 900	50 900	62,6	124,8	39 100	41 600		70,0
74,0	60,1	123,1	32 300	48 900	60,7	122,5	33 400	40 400		74,0
78,0	58,2	120,6	27 200	47 100	58,8	120,0	28 300	39 300		78,0
82,0	56,2	117,9	22 700	45 400	56,8	117,2	23 700	38 200		82,0
86,0	54,2	115,0	18 600	43 900	54,8	114,3	19 500	37 200		86,0
90,0	52,1	111,8	14 900	42 500	52,7	111,1	15 700	36 300		90,0
94,0	49,9	108,4	11 400	41 200	50,5	107,7	12 200	35 500		94,0
98,0	47,7	104,8	8 300	39 900	48,3	104,1	8 900	34 700		98,0
102,0	45,4	100,8	5 400	38 800	46,0	100,1	6 000	34 000		102,0
106,0	43,0	96,5		36 800	43,6	95,8		33 300		106,0
110,0	40,5	91,9		33 700	41,0	91,0		32 700		110,0
114,0	37,9	86,7		30 800	38,3	85,9		31 000		114,0
118,0	35,0	81,1		28 000	35,5	80,1		28 300		118,0
122,0	32,0	74,7		25 500	32,4	73,7		25 700		122,0
126,0	28,6	67,5		23 100	28,9	66,4		23 300		126,0
130,0	24,8	59,1		20 900						130,0
134,0	20,3	48,9		18 700						134,0

MLC650 VPC-MAX S-3

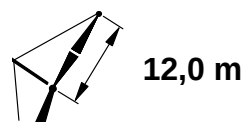
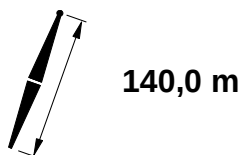
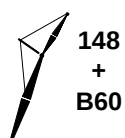
ASME B30.5



	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
22,9	82,8	147,7	62 800	62 800					22,9
24,0	82,3	147,5	62 700	62 700					24,0
26,0	81,5	147,2	62 500	62 500	82,2	146,7	60 200	60 200	26,0
28,0	80,7	146,9	62 300	62 300	81,4	146,3	60 100	60 100	28,0
30,0	79,9	146,5	62 100	62 100	80,6	145,9	60 100	60 100	30,0
32,0	79,1	146,1	62 000	62 000	79,8	145,5	59 700	59 700	32,0
34,0	78,3	145,6	61 800	61 800	79,0	145,1	59 200	59 200	34,0
36,0	77,5	145,2	61 600	61 600	78,2	144,6	58 100	58 100	36,0
38,0	76,7	144,7	61 500	61 500	77,4	144,1	56 800	56 800	38,0
40,0	75,9	144,1	61 400	61 400	76,6	143,6	55 600	55 600	40,0
42,0	75,1	143,6	61 200	61 200	75,8	143,0	54 400	54 400	42,0
44,0	74,3	143,0	61 100	61 100	75,0	142,4	53 300	53 300	44,0
46,0	73,5	142,3	61 000	61 000	74,1	141,8	52 300	52 300	46,0
48,0	72,6	141,7	60 900	60 900	73,3	141,1	51 200	51 200	48,0
50,0	71,8	141,0	60 800	60 800	72,5	140,5	50 300	50 300	50,0
52,0	71,0	140,3	60 500	60 500	71,6	139,7	49 300	49 300	52,0
54,0	70,1	139,5	60 000	60 000	70,8	139,0	48 400	48 400	54,0
56,0	69,3	138,7	59 500	59 500	70,0	138,2	47 600	47 600	56,0
58,0	68,4	137,9	57 000	59 000	69,1	137,4	46 700	46 700	58,0
60,0	67,6	137,1	52 900	57 200	68,2	136,5	46 000	46 000	60,0
62,0	66,7	136,2	48 900	55 100	67,4	135,6	45 200	45 200	62,0
64,0	65,9	135,3	45 300	55 100	66,5	134,7	44 500	44 500	64,0
66,0	65,0	134,3	41 800	54 400	65,6	133,7	43 200	43 800	66,0
68,0	64,1	133,3	38 600	53 300	64,8	132,7	40 000	43 100	68,0
70,0	63,2	132,2	35 500	52 200	63,9	131,7	36 800	42 400	70,0
74,0	61,5	130,0	29 900	50 200	62,1	129,4	31 100	41 200	74,0
78,0	59,6	127,7	24 900	48 400	60,2	127,1	26 000	40 100	78,0
82,0	57,8	125,1	20 400	46 700	58,4	124,5	21 400	39 000	82,0
86,0	55,9	122,4	16 300	45 100	56,5	121,8	17 200	38 000	86,0
90,0	53,9	119,5	12 500	43 700	54,5	118,8	13 400	37 100	90,0
94,0	51,9	116,3	9 100	42 300	52,5	115,6	9 900	36 200	94,0
98,0	49,9	112,9	5 900	41 100	50,4	112,2	6 600	35 400	98,0
102,0	47,8	109,3	3 000	38 300	48,3	108,5	3 700	34 700	102,0
106,0	45,6	105,3		34 900	46,1	104,6		34 000	106,0
110,0	43,3	101,1		31 800	43,8	100,3		32 200	110,0
114,0	40,9	96,5		28 900	41,4	95,6		29 200	114,0
118,0	38,3	91,4		26 200	38,8	90,5		26 500	118,0
122,0	35,7	85,9		23 700	36,1	84,9		23 900	122,0
126,0	32,8	79,7		21 300	33,2	78,7		21 500	126,0
130,0	29,7	72,8		19 000	30,0	71,7		19 200	130,0
134,0	26,2	64,9		16 900	26,5	63,6		17 000	134,0
138,0	22,2	55,4		14 900					138,0

MLC650 VPC-MAX S-3

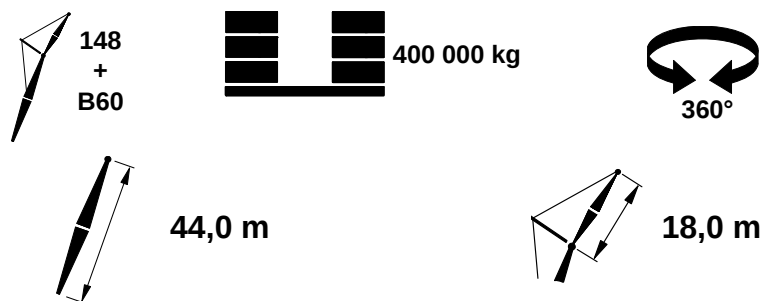
ASME B30.5

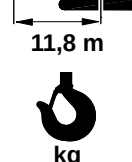
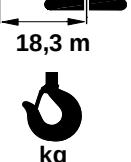
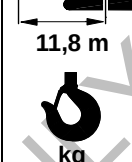
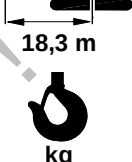


	10°				20°				
	m	°	m	kg	kg	m	kg	kg	m
24,4	82,5	153,5	61 500	61 500	82,6	152,8	59 300	59 300	24,4
26,0	81,9	153,3	61 400	61 400	81,8	152,4	59 200	59 200	26,0
28,0	81,1	153,0	61 200	61 200	81,0	152,1	59 200	59 200	28,0
30,0	80,3	152,6	61 100	61 100	81,0	152,1	59 200	59 200	30,0
32,0	79,6	152,2	60 900	60 900	80,2	151,7	59 000	59 000	32,0
34,0	78,8	151,8	60 800	60 800	79,5	151,2	58 600	58 600	34,0
36,0	78,0	151,3	60 600	60 600	78,7	150,8	58 200	58 200	36,0
38,0	77,3	150,8	60 500	60 500	77,9	150,3	57 600	57 600	38,0
40,0	76,5	150,3	60 400	60 400	77,1	149,8	56 400	56 400	40,0
42,0	75,7	149,8	60 200	60 200	76,4	149,3	55 300	55 300	42,0
44,0	74,9	149,2	60 100	60 100	75,6	148,7	54 200	54 200	44,0
46,0	74,1	148,6	60 000	60 000	74,8	148,1	53 100	53 100	46,0
48,0	73,3	148,0	59 900	59 900	74,0	147,5	52 100	52 100	48,0
50,0	72,6	147,4	59 800	59 800	73,2	146,8	51 100	51 100	50,0
52,0	71,8	146,7	59 700	59 700	72,4	146,1	50 100	50 100	52,0
54,0	71,0	145,9	59 500	59 500	71,6	145,4	49 200	49 200	54,0
56,0	70,2	145,2	59 100	59 100	70,8	144,6	48 400	48 400	56,0
58,0	69,3	144,4	56 700	58 600	70,0	143,8	47 500	47 500	58,0
60,0	68,5	143,6	52 500	58 200	69,2	143,0	46 800	46 800	60,0
62,0	67,7	142,7	48 600	57 800	68,3	142,2	46 000	46 000	62,0
64,0	66,9	141,9	44 900	56 800	67,5	141,3	45 200	45 200	64,0
66,0	66,1	140,9	41 400	55 600	66,7	140,4	42 900	44 500	66,0
68,0	65,2	140,0	38 200	54 500	65,8	139,4	39 600	43 800	68,0
70,0	64,4	139,0	35 100	53 400	65,0	138,4	36 500	43 200	70,0
74,0	62,7	136,9	29 500	51 400	63,3	136,3	30 800	41 900	74,0
78,0	61,0	134,7	24 500	49 500	61,6	134,1	25 600	40 800	78,0
82,0	59,2	132,3	20 000	47 800	59,8	131,6	21 000	39 700	82,0
86,0	57,4	129,7	15 800	46 200	58,0	129,0	16 800	38 700	86,0
90,0	55,6	126,9	12 100	44 700	56,1	126,3	13 000	37 800	90,0
94,0	53,7	124,0	8 700	43 300	54,3	123,3	9 500	36 900	94,0
98,0	51,8	120,8	5 500	41 500	52,3	120,1	6 300	36 100	98,0
102,0	49,8	117,4		37 900	50,3	116,7	3 300	35 300	102,0
106,0	47,8	113,7		34 500	48,3	113,0		34 600	106,0
110,0	45,7	109,8		31 400	46,2	109,1		31 800	110,0
114,0	43,5	105,6		28 500	44,0	104,8		28 900	114,0
118,0	41,2	101,0		25 800	41,7	100,2		26 200	118,0
122,0	38,8	96,1		23 300	39,2	95,2		23 600	122,0
126,0	36,2	90,6		20 900	36,7	89,7		21 200	126,0
130,0	33,5	84,7		18 700	33,9	83,7		18 900	130,0
134,0	30,6	78,0		16 600	31,0	76,9		16 800	134,0
138,0	27,4	70,4		14 600	27,7	69,2		14 800	138,0
142,0	23,7	61,6		12 700					142,0
146,0	19,4	50,9		10 500					146,0

MLC650 VPC-MAX S-3

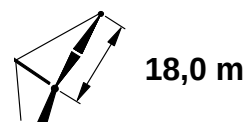
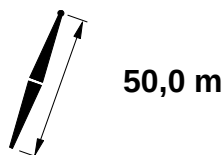
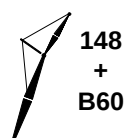
ASME B30.5

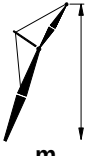
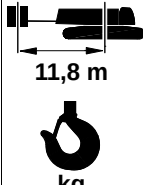
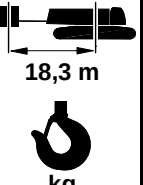
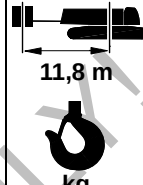
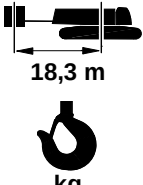
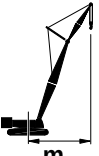


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
13,7	82,9	64,0	51 600c	51 600c						13,7
14,0	82,7	64,0	51 300c	51 300c						14,0
16,0	80,8	63,5	49 400b	49 400b						16,0
18,0	78,9	63,0	47 700	47 700	81,4	62,3	39 800b	39 800b		18,0
20,0	77,0	62,4	46 100	46 100	79,4	61,8	37 600b	37 600b		20,0
22,0	75,0	61,8	44 600	44 600	77,4	61,1	35 600	35 600		22,0
24,0	73,0	61,0	43 300	43 300	75,5	60,3	33 800	33 800		24,0
26,0	71,1	60,2	41 900	41 900	73,4	59,5	32 200	32 200		26,0
28,0	69,0	59,3	39 700	39 700	71,4	58,6	30 700	30 700		28,0
30,0	67,0	58,3	37 600	37 600	69,3	57,6	29 400	29 400		30,0
32,0	64,9	57,2	35 700	35 700	67,2	56,5	28 200	28 200		32,0
34,0	62,7	56,1	34 000	34 000	65,0	55,3	27 100	27 100		34,0
36,0	60,5	54,8	32 500	32 500	62,8	54,0	26 100	26 100		36,0
38,0	58,3	53,4	31 100	31 100	60,5	52,6	25 200	25 200		38,0
40,0	56,0	51,9	29 800	29 800	58,2	51,1	24 300	24 300		40,0
42,0	53,6	50,2	28 700	28 700	55,7	49,4	23 600	23 600		42,0
44,0	51,1	48,4	27 600	27 600	53,2	47,6	22 900	22 900		44,0
46,0	48,5	46,5	26 600	26 600	50,6	45,6	22 200	22 200		46,0
48,0	45,8	44,3	25 700	25 700	47,8	43,4	21 600	21 600		48,0
50,0	43,0	42,0	24 900	24 900	44,9	40,9	21 100	21 100		50,0
52,0	39,9	39,3	24 100	24 100	41,7	38,2	20 500	20 500		52,0
54,0	36,6	36,4	23 400	23 400	38,3	35,2	20 100	20 100		54,0
56,0	33,0	33,0	22 800	22 800	34,5	31,6	19 700	19 700		56,0
58,0	28,9	29,0	22 200	22 200						58,0
60,0	24,0	24,1	21 700	21 700						60,0

MLC650 VPC-MAX S-3

ASME B30.5



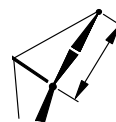
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
15,2	82,3	69,8	50 800b	50 800b						15,2
16,0	81,6	69,6	50 100b	50 100b						16,0
18,0	79,9	69,2	48 500	48 500						18,0
20,0	78,1	68,6	47 000	47 000	80,4	67,9	38 600	38 600		20,0
22,0	76,4	68,0	45 600	45 600	78,6	67,3	36 700	36 700		22,0
24,0	74,6	67,4	44 300	44 300	76,8	66,7	35 000	35 000		24,0
26,0	72,8	66,6	43 000	43 000	75,0	65,9	33 400	33 400		26,0
28,0	71,0	65,8	41 700	41 700	73,2	65,1	32 000	32 000		28,0
30,0	69,2	64,9	39 800	39 800	71,3	64,2	30 700	30 700		30,0
32,0	67,3	64,0	37 900	37 900	69,4	63,2	29 400	29 400		32,0
34,0	65,4	62,9	36 200	36 200	67,5	62,2	28 400	28 400		34,0
36,0	63,5	61,8	34 600	34 600	65,5	61,0	27 400	27 400		36,0
38,0	61,5	60,6	33 100	33 100	63,5	59,8	26 400	26 400		38,0
40,0	59,5	59,3	31 800	31 800	61,5	58,5	25 600	25 600		40,0
42,0	57,4	57,8	30 600	30 600	59,4	57,0	24 800	24 800		42,0
44,0	55,3	56,3	29 500	29 500	57,2	55,5	24 000	24 000		44,0
46,0	53,1	54,7	28 400	28 400	55,0	53,8	23 400	23 400		46,0
48,0	50,8	52,9	27 500	27 500	52,7	52,0	22 700	22 700		48,0
50,0	48,5	50,9	26 600	26 600	50,3	50,0	22 100	22 100		50,0
52,0	46,0	48,8	25 800	25 800	47,8	47,8	21 600	21 600		52,0
54,0	43,5	46,5	25 000	25 000	45,2	45,4	21 100	21 100		54,0
56,0	40,7	43,9	24 300	24 300	42,4	42,8	20 700	20 700		56,0
58,0	37,8	41,1	23 600	23 600	39,4	39,9	20 200	20 200		58,0
60,0	34,7	38,0	23 100	23 100	36,1	36,7	19 900	19 900		60,0
62,0	31,2	34,4	22 500	22 500	32,5	32,9	19 600	19 600		62,0
64,0	27,3	30,1	22 000	22 000	28,4	28,4	19 300	19 300		64,0
66,0	22,6	25,0	21 600	21 600						66,0

MLC650 VPC-MAX S-3

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56,0 m

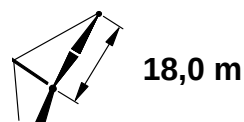
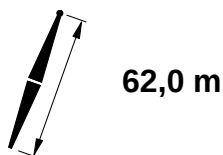
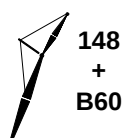


18,0 m

	10°				20°				
	 m	 °	 m	 kg	 m	 °	 m	 kg	
15,2	82,9	75,9	51 300	51 300					15,2
16,0	82,3	75,8	50 700	50 700					16,0
18,0	80,7	75,3	49 100	49 100					18,0
20,0	79,1	74,8	47 700	47 700	81,2	74,1	39 600	39 600	20,0
22,0	77,5	74,3	46 400	46 400	79,6	73,6	37 700	37 700	22,0
24,0	75,9	73,7	45 200	45 200	77,9	73,0	36 000	36 000	24,0
26,0	74,3	73,0	44 000	44 000	76,3	72,3	34 500	34 500	26,0
28,0	72,6	72,3	42 900	42 900	74,6	71,6	33 100	33 100	28,0
30,0	71,0	71,5	41 700	41 700	72,9	70,8	31 800	31 800	30,0
32,0	69,3	70,6	40 000	40 000	71,2	69,9	30 600	30 600	32,0
34,0	67,6	69,7	38 200	38 200	69,5	68,9	29 500	29 500	34,0
36,0	65,8	68,7	36 600	36 600	67,8	67,9	28 500	28 500	36,0
38,0	64,1	67,6	35 100	35 100	66,0	66,8	27 600	27 600	38,0
40,0	62,3	66,4	33 700	33 700	64,2	65,6	26 700	26 700	40,0
42,0	60,4	65,1	32 400	32 400	62,3	64,3	25 900	25 900	42,0
44,0	58,6	63,8	31 300	31 300	60,4	63,0	25 100	25 100	44,0
46,0	56,7	62,3	30 200	30 200	58,5	61,5	24 400	24 400	46,0
48,0	54,7	60,8	29 200	29 200	56,5	59,9	23 800	23 800	48,0
50,0	52,7	59,1	28 300	28 300	54,4	58,2	23 200	23 200	50,0
52,0	50,6	57,3	27 400	27 400	52,3	56,4	22 600	22 600	52,0
54,0	48,5	55,4	26 600	26 600	50,1	54,4	22 100	22 100	54,0
56,0	46,2	53,3	25 800	25 800	47,9	52,3	21 600	21 600	56,0
58,0	43,9	51,0	25 100	25 100	45,5	50,0	21 200	21 200	58,0
60,0	41,4	48,6	24 500	24 500	43,0	47,5	20 700	20 700	60,0
62,0	38,8	45,9	23 900	23 900	40,3	44,7	20 400	20 400	62,0
64,0	36,1	42,9	23 300	23 300	37,4	41,6	20 000	20 000	64,0
66,0	33,1	39,6	22 800	22 800	34,3	38,2	19 700	19 700	66,0
68,0	29,7	35,8	22 300	22 300	30,8	34,2	19 500	19 500	68,0
70,0	26,0	31,3	21 900	21 900					70,0

MLC650 VPC-MAX S-3

ASME B30.5



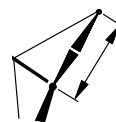
	10°				20°				
	m	°	m	kg	kg	m	kg	kg	m
16,8	82,3	81,7	50 500	50 500					16,8
18,0	81,4	81,5	49 700	49 700					18,0
20,0	80,0	81,0	48 300	48 300	81,9	80,3	40 400	40 400	20,0
22,0	78,5	80,5	47 100	47 100	80,4	79,8	38 600	38 600	22,0
24,0	77,0	80,0	45 900	45 900	78,9	79,2	36 900	36 900	24,0
26,0	75,5	79,3	44 800	44 800	77,4	78,6	35 400	35 400	26,0
28,0	74,0	78,7	43 700	43 700	75,9	77,9	34 100	34 100	28,0
30,0	72,5	77,9	42 700	42 700	74,3	77,2	32 800	32 800	30,0
32,0	70,9	77,1	41 700	41 700	72,8	76,4	31 600	31 600	32,0
34,0	69,4	76,3	40 100	40 100	71,2	75,5	30 600	30 600	34,0
36,0	67,8	75,4	38 400	38 400	69,6	74,6	29 600	29 600	36,0
38,0	66,2	74,4	36 900	36 900	68,0	73,6	28 600	28 600	38,0
40,0	64,6	73,3	35 500	35 500	66,3	72,5	27 800	27 800	40,0
42,0	62,9	72,2	34 200	34 200	64,7	71,4	27 000	27 000	42,0
44,0	61,3	71,0	33 000	33 000	63,0	70,2	26 200	26 200	44,0
46,0	59,6	69,7	31 900	31 900	61,3	68,8	25 500	25 500	46,0
48,0	57,8	68,3	30 800	30 800	59,5	67,4	24 800	24 800	48,0
50,0	56,0	66,8	29 900	29 900	57,7	66,0	24 200	24 200	50,0
52,0	54,2	65,3	29 000	29 000	55,8	64,4	23 600	23 600	52,0
54,0	52,3	63,6	28 100	28 100	54,0	62,7	23 100	23 100	54,0
56,0	50,4	61,8	27 300	27 300	52,0	60,8	22 500	22 500	56,0
58,0	48,4	59,9	26 600	26 600	50,0	58,9	22 100	22 100	58,0
60,0	46,4	57,8	25 900	25 900	47,9	56,8	21 600	21 600	60,0
62,0	44,2	55,6	25 200	25 200	45,7	54,5	21 200	21 200	62,0
64,0	42,0	53,2	24 600	24 600	43,4	52,1	20 800	20 800	64,0
66,0	39,7	50,6	24 000	24 000	41,0	49,4	20 500	20 500	66,0
68,0	37,2	47,7	23 500	23 500	38,5	46,5	20 100	20 100	68,0
70,0	34,5	44,6	23 000	23 000	35,7	43,2	19 900	19 900	70,0
74,0	28,4	37,1	22 200	22 200	29,4	35,5	19 400	19 400	74,0

MLC650 VPC-MAX S-3

ASME B30.5



68,0 m

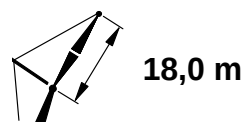
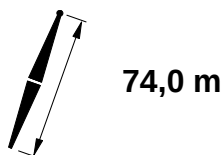
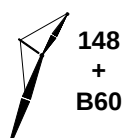


18,0 m

	10°				20°				
	m	°	m	kg	kg	m	kg	kg	m
16,8	82,9	87,8	50 800	50 800					16,8
18,0	82,0	87,6	50 000	50 000					18,0
20,0	80,7	87,2	48 700	48 700	82,5	86,4	41 100	41 100	20,0
22,0	79,3	86,7	47 600	47 600	81,1	86,0	39 300	39 300	22,0
24,0	77,9	86,2	46 400	46 400	79,7	85,4	37 800	37 800	24,0
26,0	76,5	85,6	45 400	45 400	78,3	84,9	36 300	36 300	26,0
28,0	75,2	85,0	44 400	44 400	76,9	84,2	35 000	35 000	28,0
30,0	73,7	84,3	43 400	43 400	75,5	83,6	33 700	33 700	30,0
32,0	72,3	83,6	42 500	42 500	74,0	82,8	32 600	32 600	32,0
34,0	70,9	82,8	41 500	41 500	72,6	82,0	31 500	31 500	34,0
36,0	69,5	82,0	40 100	40 100	71,1	81,2	30 500	30 500	36,0
38,0	68,0	81,1	38 600	38 600	69,7	80,3	29 600	29 600	38,0
40,0	66,5	80,1	37 200	37 200	68,2	79,3	28 700	28 700	40,0
42,0	65,0	79,1	35 800	35 800	66,7	78,2	27 900	27 900	42,0
44,0	63,5	78,0	34 600	34 600	65,1	77,1	27 100	27 100	44,0
46,0	62,0	76,8	33 500	33 500	63,6	76,0	26 400	26 400	46,0
48,0	60,4	75,5	32 400	32 400	62,0	74,7	25 800	25 800	48,0
50,0	58,8	74,2	31 400	31 400	60,4	73,4	25 100	25 100	50,0
52,0	57,2	72,8	30 400	30 400	58,7	71,9	24 500	24 500	52,0
54,0	55,5	71,3	29 600	29 600	57,0	70,4	24 000	24 000	54,0
56,0	53,8	69,7	28 800	28 800	55,3	68,8	23 400	23 400	56,0
58,0	52,1	68,0	28 000	28 000	53,5	67,1	22 900	22 900	58,0
60,0	50,3	66,2	27 300	27 300	51,7	65,3	22 500	22 500	60,0
62,0	48,4	64,3	26 600	26 600	49,8	63,3	22 000	22 000	62,0
64,0	46,5	62,3	25 900	25 900	47,9	61,3	21 600	21 600	64,0
66,0	44,5	60,1	25 300	25 300	45,9	59,0	21 300	21 300	66,0
68,0	42,5	57,8	24 800	24 800	43,8	56,6	20 900	20 900	68,0
70,0	40,3	55,2	24 200	24 200	41,6	54,1	20 500	20 500	70,0
74,0	35,7	49,5	23 200	23 200	36,8	48,2	20 000	20 000	74,0
78,0	30,4	42,6	22 400	22 400	31,3	41,0	19 500	19 500	78,0
82,0	23,8	33,6	21 700	21 700					82,0

MLC650 VPC-MAX S-3

ASME B30.5



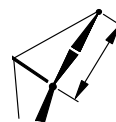
	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
18,3	82,4	93,6	50 100	50 100						18,3
20,0	81,3	93,3	49 100	49 100						20,0
22,0	80,0	92,9	48 000	48 000	81,7	92,1	40 000	40 000		22,0
24,0	78,7	92,4	46 900	46 900	80,4	91,6	38 500	38 500		24,0
26,0	77,5	91,9	45 900	45 900	79,1	91,1	37 100	37 100		26,0
28,0	76,2	91,3	45 000	45 000	77,8	90,5	35 800	35 800		28,0
30,0	74,9	90,7	44 000	44 000	76,5	89,9	34 600	34 600		30,0
32,0	73,5	90,0	43 100	43 100	75,1	89,2	33 400	33 400		32,0
34,0	72,2	89,2	42 300	42 300	73,8	88,5	32 400	32 400		34,0
36,0	70,9	88,5	41 500	41 500	72,5	87,7	31 400	31 400		36,0
38,0	69,5	87,6	40 200	40 200	71,1	86,8	30 500	30 500		38,0
40,0	68,2	86,7	38 800	38 800	69,7	85,9	29 600	29 600		40,0
42,0	66,8	85,8	37 400	37 400	68,3	85,0	28 800	28 800		42,0
44,0	65,4	84,8	36 100	36 100	66,9	84,0	28 000	28 000		44,0
46,0	64,0	83,7	35 000	35 000	65,5	82,9	27 300	27 300		46,0
48,0	62,5	82,6	33 900	33 900	64,1	81,7	26 700	26 700		48,0
50,0	61,1	81,4	32 900	32 900	62,6	80,5	26 000	26 000		50,0
52,0	59,6	80,1	31 900	31 900	61,1	79,2	25 400	25 400		52,0
54,0	58,1	78,7	31 000	31 000	59,6	77,9	24 800	24 800		54,0
56,0	56,6	77,3	30 200	30 200	58,0	76,4	24 300	24 300		56,0
58,0	55,0	75,8	29 400	29 400	56,4	74,9	23 800	23 800		58,0
60,0	53,4	74,2	28 600	28 600	54,8	73,3	23 300	23 300		60,0
62,0	51,8	72,5	27 900	27 900	53,2	71,6	22 900	22 900		62,0
64,0	50,1	70,7	27 200	27 200	51,5	69,7	22 400	22 400		64,0
66,0	48,4	68,8	26 600	26 600	49,7	67,8	22 000	22 000		66,0
68,0	46,6	66,8	26 000	26 000	47,9	65,7	21 600	21 600		68,0
70,0	44,8	64,6	25 400	25 400	46,1	63,5	21 300	21 300		70,0
74,0	40,9	59,9	24 400	24 400	42,1	58,7	20 600	20 600		74,0
78,0	36,7	54,3	23 400	23 400	37,8	53,0	20 100	20 100		78,0
82,0	31,9	47,8	22 600	22 600	32,9	46,3	19 600	19 600		82,0
86,0	26,3	39,7	21 900	21 900						86,0

MLC650 VPC-MAX S-3

ASME B30.5



80,0 m

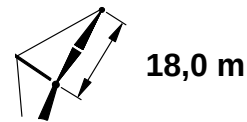
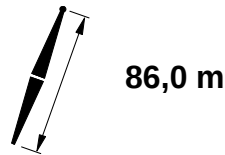


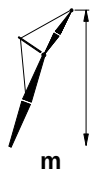
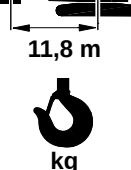
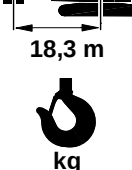
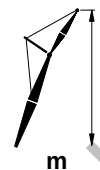
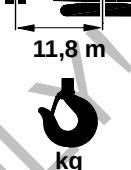
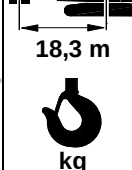
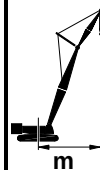
18,0 m

	10°				20°				
m	°	m	kg	kg	°	m	kg	kg	m
18,3	82,9	99,7	50 400	50 400					18,3
20,0	81,8	99,4	49 400	49 400					20,0
22,0	80,6	99,0	48 400	48 400	82,2	98,3	40 700	40 700	22,0
24,0	79,4	98,6	47 300	47 300	81,0	97,8	39 200	39 200	24,0
26,0	78,2	98,1	46 400	46 400	79,8	97,3	37 800	37 800	26,0
28,0	77,0	97,5	45 400	45 400	78,6	96,8	36 600	36 600	28,0
30,0	75,8	96,9	44 600	44 600	77,3	96,2	35 400	35 400	30,0
32,0	74,6	96,3	43 700	43 700	76,1	95,5	34 300	34 300	32,0
34,0	73,4	95,6	42 900	42 900	74,9	94,9	33 200	33 200	34,0
36,0	72,1	94,9	42 100	42 100	73,6	94,1	32 200	32 200	36,0
38,0	70,9	94,1	41 400	41 400	72,3	93,3	31 300	31 300	38,0
40,0	69,6	93,3	40 300	40 300	71,1	92,5	30 500	30 500	40,0
42,0	68,3	92,4	38 900	38 900	69,8	91,6	29 700	29 700	42,0
44,0	67,0	91,5	37 600	37 600	68,5	90,7	28 900	28 900	44,0
46,0	65,7	90,5	36 500	36 500	67,2	89,7	28 200	28 200	46,0
48,0	64,4	89,4	35 400	35 400	65,8	88,6	27 500	27 500	48,0
50,0	63,1	88,3	34 300	34 300	64,5	87,5	26 900	26 900	50,0
52,0	61,7	87,2	33 300	33 300	63,1	86,3	26 300	26 300	52,0
54,0	60,3	85,9	32 400	32 400	61,7	85,1	25 700	25 700	54,0
56,0	58,9	84,6	31 500	31 500	60,3	83,8	25 100	25 100	56,0
58,0	57,5	83,3	30 700	30 700	58,9	82,4	24 600	24 600	58,0
60,0	56,1	81,8	29 900	29 900	57,4	80,9	24 100	24 100	60,0
62,0	54,6	80,3	29 200	29 200	55,9	79,4	23 600	23 600	62,0
64,0	53,1	78,7	28 500	28 500	54,4	77,7	23 200	23 200	64,0
66,0	51,6	77,0	27 800	27 800	52,9	76,0	22 800	22 800	66,0
68,0	50,0	75,2	27 200	27 200	51,3	74,2	22 400	22 400	68,0
70,0	48,4	73,3	26 600	26 600	49,6	72,3	22 000	22 000	70,0
74,0	45,0	69,2	25 500	25 500	46,2	68,1	21 300	21 300	74,0
78,0	41,4	64,5	24 500	24 500	42,6	63,3	20 700	20 700	78,0
82,0	37,5	59,1	23 600	23 600	38,6	57,8	20 200	20 200	82,0
86,0	33,2	52,9	22 800	22 800	34,1	51,4	19 700	19 700	86,0
90,0	28,2	45,4	22 200	22 200					90,0
94,0	22,1	35,7	20 000	21 600					94,0

MLC650 VPC-MAX S-3

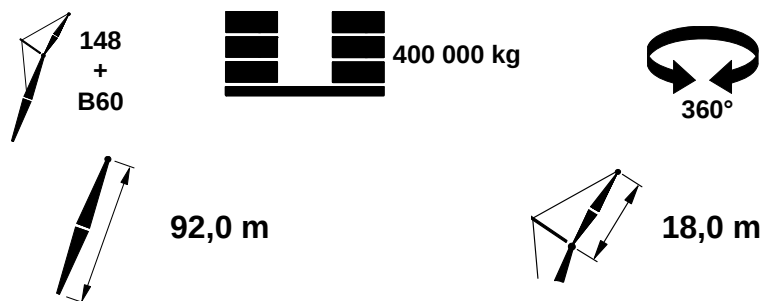
ASME B30.5



	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
19,8	82,4	105,5	48 300	48 300						19,8
20,0	82,3	105,5	48 300	48 300						20,0
22,0	81,2	105,1	47 300	47 300						22,0
24,0	80,1	104,7	46 400	46 400						24,0
26,0	78,9	104,2	45 500	45 500	81,5	103,9	40 400	40 400		26,0
28,0	77,8	103,7	44 700	44 700	80,4	103,5	39 100	39 100		28,0
30,0	76,7	103,2	43 900	43 900	79,3	103,0	37 900	37 900		30,0
32,0	75,5	102,6	43 100	43 100	78,1	102,4	36 700	36 700		32,0
34,0	74,4	102,0	42 300	42 300	76,9	101,8	35 600	35 600		34,0
36,0	73,2	101,3	41 600	41 600	75,8	101,2	34 500	34 500		36,0
38,0	72,0	100,6	40 900	40 900	74,6	100,5	33 500	33 500		38,0
40,0	70,8	99,8	40 300	40 300	73,4	99,8	32 600	32 600		40,0
42,0	69,6	99,0	39 600	39 600	72,2	99,0	31 700	31 700		42,0
44,0	68,4	98,1	39 000	39 000	71,0	98,2	30 900	30 900		44,0
46,0	67,2	97,2	38 400	38 400	69,8	97,3	30 100	30 100		46,0
48,0	66,0	96,2	37 400	37 400	68,6	96,4	29 400	29 400		48,0
50,0	64,8	95,2	36 300	36 300	67,4	95,4	28 700	28 700		50,0
52,0	63,5	94,1	35 200	35 200	66,1	94,3	28 000	28 000		52,0
54,0	62,3	93,0	34 300	34 300	64,9	93,2	27 400	27 400		54,0
56,0	61,0	91,8	33 300	33 300	63,6	92,1	26 800	26 800		56,0
58,0	59,7	90,5	32 500	32 500	62,3	90,9	26 200	26 200		58,0
60,0	58,3	89,2	31 600	31 600	61,0	89,6	25 700	25 700		60,0
62,0	57,0	87,8	30 900	30 900	59,6	88,3	25 200	25 200		62,0
64,0	55,6	86,3	30 100	30 100	58,3	86,9	24 700	24 700		64,0
66,0	54,2	84,8	29 400	29 400	56,9	85,4	24 200	24 200		66,0
68,0	52,8	83,2	28 800	28 800	55,5	83,8	23 800	23 800		68,0
70,0	51,4	81,5	28 100	28 100	54,0	82,2	23 400	23 400		70,0
74,0	48,4	77,8	27 000	27 000	52,6	80,5	23 000	23 000		74,0
78,0	45,2	73,7	25 900	25 900	49,5	76,7	22 200	22 200		78,0
82,0	41,9	69,1	24 900	24 900	46,3	72,6	21 600	21 600		82,0
86,0	38,3	63,9	24 100	24 100	42,9	67,9	21 000	21 000		86,0
90,0	34,3	57,9	23 300	23 300	39,2	62,6	20 400	20 400		90,0
94,0	29,8	50,8	21 000	22 600	35,2	56,4	20 000	20 000		94,0
98,0	24,5	42,1	17 800	22 000	30,6	49,2	19 600	19 600		98,0

MLC650 VPC-MAX S-3

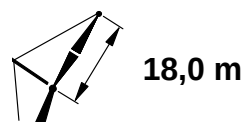
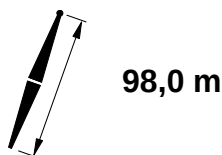
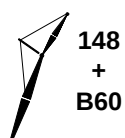
ASME B30.5



	10°				20°				
	m	°	m	kg	kg	m	kg	kg	m
19,8	82,8	111,6	48 400	48 400					19,8
20,0	82,7	111,6	48 400	48 400					20,0
22,0	81,7	111,2	47 500	47 500					22,0
24,0	80,6	110,8	46 600	46 600	82,0	110,0	40 800	40 800	24,0
26,0	79,5	110,4	45 800	45 800	80,9	109,6	39 800	39 800	26,0
28,0	78,5	109,9	45 000	45 000	79,9	109,1	38 500	38 500	28,0
30,0	77,4	109,4	44 200	44 200	78,8	108,6	37 400	37 400	30,0
32,0	76,3	108,8	43 500	43 500	77,7	108,0	36 300	36 300	32,0
34,0	75,2	108,2	42 700	42 700	76,6	107,4	35 200	35 200	34,0
36,0	74,1	107,6	42 100	42 100	75,5	106,8	34 300	34 300	36,0
38,0	73,0	106,9	41 400	41 400	74,4	106,1	33 300	33 300	38,0
40,0	71,9	106,2	40 800	40 800	73,3	105,4	32 500	32 500	40,0
42,0	70,8	105,4	40 100	40 100	72,1	104,6	31 700	31 700	42,0
44,0	69,7	104,6	39 500	39 500	71,0	103,8	30 900	30 900	44,0
46,0	68,6	103,7	39 000	39 000	69,9	102,9	30 200	30 200	46,0
48,0	67,4	102,8	38 400	38 400	68,7	102,0	29 500	29 500	48,0
50,0	66,3	101,9	37 600	37 600	67,5	101,0	28 800	28 800	50,0
52,0	65,1	100,9	36 600	36 600	66,4	100,0	28 200	28 200	52,0
54,0	63,9	99,8	35 600	35 600	65,2	98,9	27 600	27 600	54,0
56,0	62,7	98,7	34 600	34 600	64,0	97,8	27 000	27 000	56,0
58,0	61,5	97,5	33 800	33 800	62,8	96,6	26 500	26 500	58,0
60,0	60,3	96,3	32 900	32 900	61,5	95,4	25 900	25 900	60,0
62,0	59,1	95,0	32 100	32 100	60,3	94,1	25 400	25 400	62,0
64,0	57,8	93,7	31 400	31 400	59,0	92,8	25 000	25 000	64,0
66,0	56,5	92,3	30 600	30 600	57,7	91,3	24 500	24 500	66,0
68,0	55,2	90,8	30 000	30 000	56,4	89,8	24 100	24 100	68,0
70,0	53,9	89,2	29 300	29 300	55,1	88,3	23 700	23 700	70,0
74,0	51,2	85,9	28 100	28 100	52,3	84,9	22 900	22 900	74,0
78,0	48,4	82,2	27 000	27 000	49,5	81,2	22 200	22 200	78,0
82,0	45,4	78,1	26 000	26 000	46,4	77,0	21 600	21 600	82,0
86,0	42,2	73,6	25 100	25 100	43,2	72,4	21 000	21 000	86,0
90,0	38,9	68,5	23 300	24 200	39,8	67,2	20 500	20 500	90,0
94,0	35,2	62,7	19 900	23 500	36,1	61,3	20 000	20 100	94,0
98,0	31,1	56,0	16 700	22 800	31,9	54,4	17 100	19 700	98,0
102,0	26,4	47,9	13 700	22 200					102,0
106,0	20,7	37,6	10 900	21 700					106,0

MLC650 VPC-MAX S-3

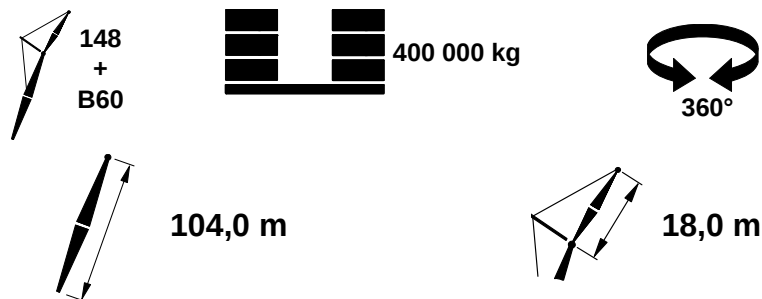
ASME B30.5

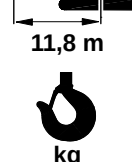
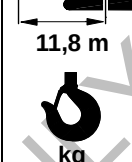
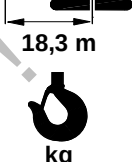


	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
21,3	82,4	117,4	47 800	47 800						21,3
22,0	82,1	117,3	47 500	47 500						22,0
24,0	81,1	116,9	46 700	46 700						24,0
26,0	80,1	116,5	46 000	46 000						26,0
28,0	79,1	116,1	45 200	45 200	81,4	115,7	40 300	40 300		28,0
30,0	78,1	115,6	44 500	44 500	80,4	115,3	39 200	39 200		30,0
32,0	77,0	115,1	43 800	43 800	79,4	114,8	38 000	38 000		32,0
34,0	76,0	114,5	43 100	43 100	78,3	114,3	36 900	36 900		34,0
36,0	75,0	113,9	42 400	42 400	77,3	113,7	35 900	35 900		36,0
38,0	74,0	113,2	41 800	41 800	76,3	113,1	35 000	35 000		38,0
40,0	72,9	112,6	41 200	41 200	75,2	112,4	34 100	34 100		40,0
42,0	71,9	111,8	40 600	40 600	74,2	111,8	33 200	33 200		42,0
44,0	70,8	111,1	40 000	40 000	73,1	111,0	32 400	32 400		44,0
46,0	69,7	110,3	39 400	39 400	72,0	110,3	31 600	31 600		46,0
48,0	68,7	109,4	38 900	38 900	71,0	109,4	30 900	30 900		48,0
50,0	67,6	108,5	38 400	38 400	69,9	108,6	30 200	30 200		50,0
52,0	66,5	107,6	37 900	37 900	68,8	107,7	29 500	29 500		52,0
54,0	65,4	106,6	36 900	36 900	67,7	106,7	28 900	28 900		54,0
56,0	64,3	105,5	35 900	35 900	66,6	105,7	28 300	28 300		56,0
58,0	63,1	104,5	35 000	35 000	65,5	104,7	27 700	27 700		58,0
60,0	62,0	103,3	34 200	34 200	64,3	103,6	27 200	27 200		60,0
62,0	60,9	102,1	33 400	33 400	63,2	102,4	26 700	26 700		62,0
64,0	59,7	100,9	32 600	32 600	62,0	101,2	26 200	26 200		64,0
66,0	58,5	99,6	31 900	31 900	60,9	100,0	25 700	25 700		66,0
68,0	57,3	98,2	31 100	31 100	59,7	98,6	25 300	25 300		68,0
70,0	56,1	96,8	30 500	30 500	58,5	97,3	24 800	24 800		70,0
74,0	53,6	93,7	29 200	29 200	57,2	95,8	24 400	24 400		74,0
78,0	51,0	90,4	28 100	28 100	54,7	92,7	23 600	23 600		78,0
82,0	48,4	86,7	27 000	27 000	52,1	89,3	22 900	22 900		82,0
86,0	45,5	82,6	24 800	26 100	49,4	85,6	22 300	22 300		86,0
90,0	42,6	78,2	21 100	25 200	46,5	81,5	21 700	21 700		90,0
94,0	39,4	73,2	17 700	24 400	43,5	77,0	21 100	21 100		94,0
98,0	36,0	67,6	14 600	23 700	40,3	71,9	18 400	20 600		98,0
102,0	32,3	61,1	11 700	23 000	36,8	66,2	15 100	20 200		102,0
106,0	28,0	53,6	8 900	22 400	33,0	59,6	12 100	19 800		106,0
110,0	23,0	44,3	6 300	21 900	28,7	51,8	9 200	19 500		110,0

MLC650 VPC-MAX S-3

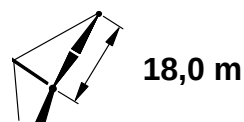
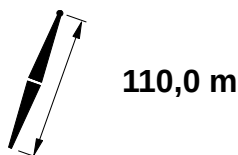
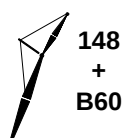
ASME B30.5

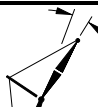
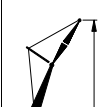
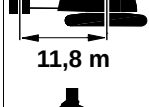
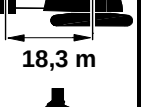
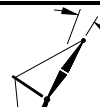
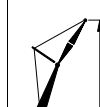
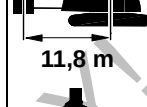
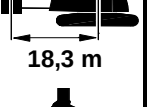


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
21,3	82,8	123,5	47 800	47 800					21,3
22,0	82,5	123,4	47 600	47 600					22,0
24,0	81,6	123,0	46 800	46 800					24,0
26,0	80,6	122,6	46 100	46 100	81,8	121,9	40 300	40 300	26,0
28,0	79,6	122,2	45 400	45 400	80,9	121,4	39 700	39 700	28,0
30,0	78,7	121,8	44 700	44 700	79,9	121,0	38 600	38 600	30,0
32,0	77,7	121,3	44 000	44 000	78,9	120,5	37 600	37 600	32,0
34,0	76,7	120,7	43 300	43 300	78,0	119,9	36 600	36 600	34,0
36,0	75,8	120,2	42 700	42 700	77,0	119,4	35 600	35 600	36,0
38,0	74,8	119,6	42 100	42 100	76,0	118,7	34 700	34 700	38,0
40,0	73,8	118,9	41 500	41 500	75,0	118,1	33 900	33 900	40,0
42,0	72,8	118,2	40 900	40 900	74,0	117,4	33 100	33 100	42,0
44,0	71,8	117,5	40 400	40 400	73,0	116,7	32 300	32 300	44,0
46,0	70,8	116,7	39 900	39 900	72,0	115,9	31 600	31 600	46,0
48,0	69,8	115,9	39 300	39 300	71,0	115,1	30 900	30 900	48,0
50,0	68,8	115,1	38 800	38 800	69,9	114,2	30 200	30 200	50,0
52,0	67,7	114,2	38 400	38 400	68,9	113,4	29 600	29 600	52,0
54,0	66,7	113,3	37 900	37 900	67,8	112,4	29 000	29 000	54,0
56,0	65,6	112,3	37 200	37 200	66,8	111,4	28 400	28 400	56,0
58,0	64,6	111,3	36 300	36 300	65,7	110,4	27 900	27 900	58,0
60,0	63,5	110,2	35 400	35 400	64,7	109,3	27 400	27 400	60,0
62,0	62,5	109,1	34 600	34 600	63,6	108,2	26 900	26 900	62,0
64,0	61,4	107,9	33 800	33 800	62,5	107,0	26 400	26 400	64,0
66,0	60,3	106,7	33 000	33 000	61,4	105,8	25 900	25 900	66,0
68,0	59,2	105,4	32 300	32 300	60,2	104,5	25 500	25 500	68,0
70,0	58,0	104,1	31 600	31 600	59,1	103,2	25 100	25 100	70,0
74,0	55,7	101,3	30 300	30 300	56,8	100,3	24 300	24 300	74,0
78,0	53,4	98,2	29 200	29 200	54,4	97,2	23 600	23 600	78,0
82,0	50,9	94,8	28 100	28 100	51,9	93,8	22 900	22 900	82,0
86,0	48,4	91,2	26 600	27 100	49,3	90,1	22 300	22 300	86,0
90,0	45,7	87,1	22 800	26 200	46,6	86,0	21 700	21 700	90,0
94,0	42,9	82,7	19 300	25 300	43,8	81,5	20 000	21 200	94,0
98,0	39,9	77,8	16 000	24 500	40,8	76,6	16 700	20 700	98,0
102,0	36,7	72,3	13 000	23 800	37,5	71,0	13 600	20 300	102,0
106,0	33,3	66,1	10 200	23 200	34,0	64,6	10 700	19 900	106,0
110,0	29,4	59,0	7 600	22 600	30,0	57,3	7 900	19 600	110,0
114,0	25,0	50,4	5 100	22 100					114,0

MLC650 VPC-MAX S-3

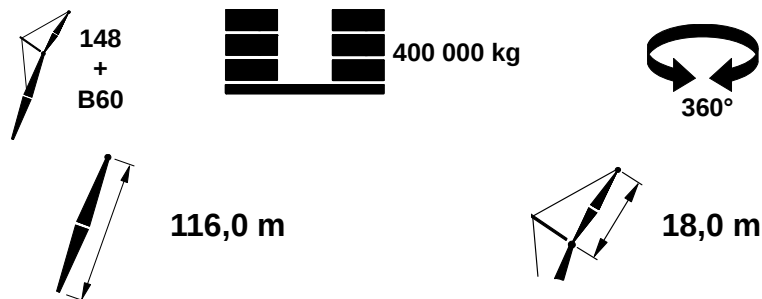
ASME B30.5

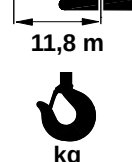
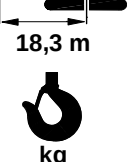
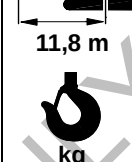
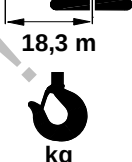


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
22,9	82,5	129,3	47 100	47 100						22,9
24,0	82,0	129,1	46 700	46 700						24,0
26,0	81,0	128,8	46 000	46 000	82,2	128,0	40 300	40 300		26,0
28,0	80,1	128,4	45 400	45 400	81,3	127,6	39 800	39 800		28,0
30,0	79,2	127,9	44 700	44 700	80,4	127,1	39 100	39 100		30,0
32,0	78,3	127,4	44 100	44 100	79,5	126,7	38 000	38 000		32,0
34,0	77,4	126,9	43 500	43 500	78,5	126,1	37 100	37 100		34,0
36,0	76,4	126,4	42 900	42 900	77,6	125,6	36 100	36 100		36,0
38,0	75,5	125,8	42 300	42 300	76,7	125,0	35 200	35 200		38,0
40,0	74,6	125,2	41 700	41 700	75,7	124,4	34 400	34 400		40,0
42,0	73,6	124,6	41 100	41 100	74,8	123,7	33 600	33 600		42,0
44,0	72,7	123,9	40 600	40 600	73,8	123,1	32 800	32 800		44,0
46,0	71,7	123,2	40 100	40 100	72,9	122,3	32 100	32 100		46,0
48,0	70,8	122,4	39 600	39 600	71,9	121,6	31 400	31 400		48,0
50,0	69,8	121,6	39 100	39 100	70,9	120,8	30 800	30 800		50,0
52,0	68,8	120,8	38 600	38 600	70,0	119,9	30 200	30 200		52,0
54,0	67,9	119,9	38 200	38 200	69,0	119,0	29 600	29 600		54,0
56,0	66,9	119,0	37 700	37 700	68,0	118,1	29 000	29 000		56,0
58,0	65,9	118,0	37 100	37 100	67,0	117,1	28 400	28 400		58,0
60,0	64,9	117,0	36 300	36 300	66,0	116,1	27 900	27 900		60,0
62,0	63,9	115,9	35 400	35 400	65,0	115,1	27 400	27 400		62,0
64,0	62,9	114,9	34 600	34 600	63,9	114,0	26 900	26 900		64,0
66,0	61,8	113,7	33 900	33 900	62,9	112,8	26 500	26 500		66,0
68,0	60,8	112,5	33 100	33 100	61,8	111,6	26 000	26 000		68,0
70,0	59,7	111,3	32 400	32 400	60,8	110,4	25 600	25 600		70,0
74,0	57,6	108,6	31 100	31 100	58,6	107,7	24 800	24 800		74,0
78,0	55,4	105,8	29 900	29 900	56,4	104,8	24 100	24 100		78,0
82,0	53,1	102,7	28 300	28 800	54,1	101,7	23 400	23 400		82,0
86,0	50,8	99,3	24 200	27 800	51,7	98,3	22 800	22 800		86,0
90,0	48,3	95,6	20 400	26 900	49,3	94,6	21 400	22 200		90,0
94,0	45,8	91,6	16 900	26 100	46,7	90,5	17 800	21 600		94,0
98,0	43,2	87,3	13 700	25 300	44,0	86,1	14 500	21 200		98,0
102,0	40,4	82,4	10 700	24 500	41,2	81,2	11 400	20 700		102,0
106,0	37,4	77,1	8 000	23 900	38,1	75,7	8 500	20 300		106,0
110,0	34,1	71,1	5 400	23 300	34,8	69,6	5 800	20 000		110,0
114,0	30,6	64,2		22 700	31,2	62,6	3 300	19 700		114,0
118,0	26,6	56,2		22 200						118,0
122,0	21,8	46,4		21 800						122,0

MLC650 VPC-MAX S-3

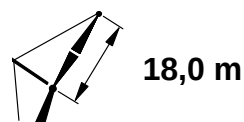
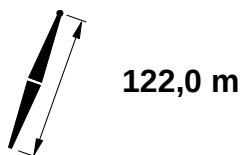
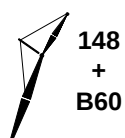
ASME B30.5

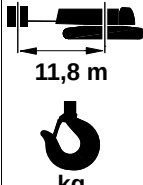
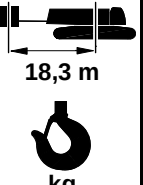
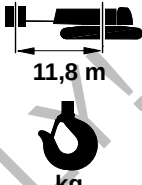


	10°					20°					
											
	m	°	m	kg	kg	°	m	kg	kg	m	
22,9	82,8	135,4	47 000	47 000	47 000						22,9
24,0	82,3	135,2	46 600	46 600	46 600						24,0
26,0	81,4	134,9	45 900	45 900	45 900	82,6	134,1	40 300	40 300		26,0
28,0	80,6	134,5	45 300	45 300	45 300	81,7	133,7	39 800	39 800		28,0
30,0	79,7	134,1	44 700	44 700	44 700	80,8	133,3	39 400	39 400		30,0
32,0	78,8	133,6	44 100	44 100	44 100	80,0	132,8	38 500	38 500		32,0
34,0	77,9	133,1	43 500	43 500	43 500	79,1	132,3	37 500	37 500		34,0
36,0	77,1	132,6	42 900	42 900	42 900	78,2	131,8	36 600	36 600		36,0
38,0	76,2	132,1	42 400	42 400	42 400	77,3	131,3	35 800	35 800		38,0
40,0	75,3	131,5	41 800	41 800	41 800	76,4	130,7	34 900	34 900		40,0
42,0	74,4	130,9	41 300	41 300	41 300	75,5	130,1	34 100	34 100		42,0
44,0	73,5	130,2	40 800	40 800	40 800	74,6	129,4	33 400	33 400		44,0
46,0	72,6	129,5	40 300	40 300	40 300	73,7	128,7	32 700	32 700		46,0
48,0	71,7	128,8	39 800	39 800	39 800	72,8	128,0	32 000	32 000		48,0
50,0	70,8	128,1	39 400	39 400	39 400	71,8	127,2	31 300	31 300		50,0
52,0	69,8	127,3	38 900	38 900	38 900	70,9	126,4	30 700	30 700		52,0
54,0	68,9	126,4	38 500	38 500	38 500	70,0	125,6	30 100	30 100		54,0
56,0	68,0	125,6	38 000	38 000	38 000	69,0	124,7	29 500	29 500		56,0
58,0	67,0	124,7	37 600	37 600	37 600	68,1	123,8	29 000	29 000		58,0
60,0	66,1	123,7	37 100	37 100	37 100	67,1	122,8	28 500	28 500		60,0
62,0	65,1	122,7	36 300	36 300	36 300	66,2	121,8	27 900	27 900		62,0
64,0	64,2	121,7	35 500	35 500	35 500	65,2	120,8	27 500	27 500		64,0
66,0	63,2	120,6	34 700	34 700	34 700	64,2	119,7	27 000	27 000		66,0
68,0	62,2	119,5	34 000	34 000	34 000	63,3	118,6	26 600	26 600		68,0
70,0	61,2	118,3	33 300	33 300	33 300	62,3	117,4	26 100	26 100		70,0
74,0	59,2	115,8	32 000	32 000	32 000	60,2	114,9	25 300	25 300		74,0
78,0	57,2	113,2	30 800	30 800	30 800	58,2	112,2	24 600	24 600		78,0
82,0	55,1	110,3	28 200	29 700	29 700	56,0	109,3	23 900	23 900		82,0
86,0	52,9	107,2	24 100	28 600	28 600	53,8	106,1	23 200	23 200		86,0
90,0	50,7	103,8	20 300	27 700	27 700	51,6	102,7	21 300	22 700		90,0
94,0	48,3	100,1	16 800	26 800	26 800	49,2	99,0	17 700	22 100		94,0
98,0	45,9	96,1	13 600	26 000	26 000	46,8	95,0	14 400	21 600		98,0
102,0	43,4	91,8	10 600	25 300	25 300	44,2	90,6	11 400	21 200		102,0
106,0	40,8	87,1	7 900	24 600	24 600	41,5	85,8	8 500	20 700		106,0
110,0	37,9	81,8	5 300	23 900	23 900	38,7	80,5	5 900	20 300		110,0
114,0	34,9	76,0		23 400	23 400	35,6	74,5	3 400	20 000		114,0
118,0	31,6	69,4		22 800	22 800	32,2	67,8		19 700		118,0
122,0	28,0	61,8		22 300	22 300						122,0
126,0	23,7	52,8		21 900	21 900						126,0

MLC650 VPC-MAX S-3

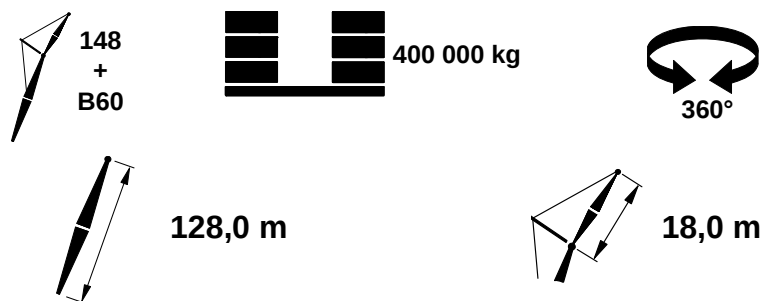
ASME B30.5

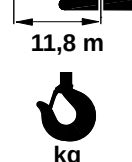
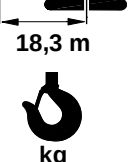
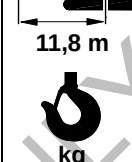
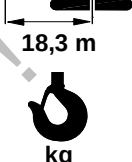


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
24,4	82,5	141,2	46 300	46 300	82,9	140,2	40 100	40 100	24,4
26,0	81,8	141,0	45 800	45 800	82,1	139,8	39 700	39 700	26,0
28,0	81,0	140,6	45 200	45 200	81,2	139,4	39 300	39 300	28,0
30,0	80,2	140,2	44 600	44 600	80,4	139,0	38 900	38 900	30,0
32,0	79,3	139,8	44 000	44 000	79,6	138,5	38 000	38 000	32,0
34,0	78,5	139,3	43 500	43 500	78,7	138,0	37 100	37 100	34,0
36,0	77,6	138,8	42 900	42 900	77,9	137,5	36 300	36 300	36,0
38,0	76,8	138,3	42 400	42 400	77,0	136,9	35 500	35 500	38,0
40,0	75,9	137,7	41 900	41 900	76,1	136,3	34 700	34 700	40,0
42,0	75,1	137,2	41 400	41 400	75,3	135,7	33 900	33 900	42,0
44,0	74,2	136,5	40 900	40 900	74,4	135,1	33 200	33 200	44,0
46,0	73,4	135,9	40 400	40 400	73,5	134,4	32 500	32 500	46,0
48,0	72,5	135,2	40 000	40 000	72,7	133,6	31 900	31 900	48,0
50,0	71,6	134,5	39 500	39 500	71,8	132,9	31 300	31 300	50,0
52,0	70,8	133,7	39 100	39 100	70,9	132,1	30 700	30 700	52,0
54,0	69,9	132,9	38 700	38 700	70,0	131,2	30 100	30 100	54,0
56,0	69,0	132,1	38 300	38 300	69,1	130,4	29 600	29 600	56,0
58,0	68,1	131,2	37 900	37 900	68,2	129,5	29 000	29 000	58,0
60,0	67,2	130,3	37 500	37 500	67,3	128,5	28 500	28 500	60,0
62,0	66,3	129,4	37 100	37 100	66,4	127,5	28 100	28 100	62,0
64,0	65,4	128,4	36 500	36 500	65,5	126,5	27 600	27 600	64,0
66,0	64,5	127,4	35 700	35 700	64,5	125,5	27 100	27 100	66,0
68,0	63,5	126,3	35 000	35 000	63,6	124,3	26 700	26 700	68,0
70,0	62,6	125,2	34 300	34 300	61,7	122,0	25 900	25 900	70,0
74,0	60,7	122,9	32 900	32 900	59,7	119,5	25 100	25 100	74,0
78,0	58,8	120,4	30 500	31 700	57,7	116,7	24 400	24 400	78,0
82,0	56,8	117,7	25 900	30 600	55,7	113,8	23 000	23 800	82,0
86,0	54,8	114,8	21 700	29 500	53,6	110,6	19 100	23 200	86,0
90,0	52,7	111,6	17 900	28 600	51,4	107,2	15 500	22 600	90,0
94,0	50,6	108,2	14 500	27 700	49,2	103,5	12 200	22 100	94,0
98,0	48,3	104,6	11 300	26 800	46,9	99,5	9 200	21 600	98,0
102,0	46,0	100,6	8 300	26 100	44,4	95,1	6 300	21 200	102,0
106,0	43,6	96,3	5 600	25 300	41,9	90,4		20 800	106,0
110,0	41,1	91,6		24 700	39,2	85,2		20 400	110,0
114,0	38,4	86,5		24 000	36,3	79,4		20 100	114,0
118,0	35,6	80,8		23 500	33,1	72,9		19 800	118,0
122,0	32,5	74,5		23 000	29,7	65,5		19 600	122,0
126,0	29,1	67,2		22 500					126,0
130,0	25,3	58,8		22 100					130,0
134,0	20,8	48,4		20 700					134,0

MLC650 VPC-MAX S-3

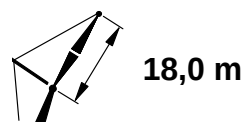
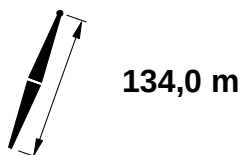
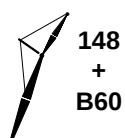
ASME B30.5

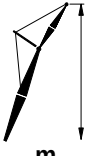
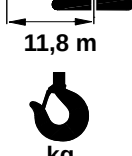
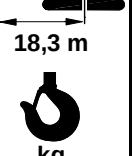
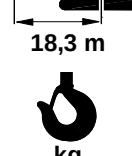


	10°					20°					
											
	m	°	m	kg	kg	°	m	kg	kg	m	
24,4	82,8	147,3	45 900	45 900	45 900						24,4
26,0	82,2	147,0	45 400	45 400	45 400						26,0
28,0	81,4	146,7	44 900	44 900	44 900	82,4	145,9	39 500	39 500		28,0
30,0	80,6	146,3	44 300	44 300	44 300	81,6	145,5	39 100	39 100		30,0
32,0	79,8	145,9	43 800	43 800	43 800	80,8	145,1	38 700	38 700		32,0
34,0	79,0	145,4	43 300	43 300	43 300	80,0	144,6	38 300	38 300		34,0
36,0	78,2	145,0	42 800	42 800	42 800	79,2	144,2	37 600	37 600		36,0
38,0	77,3	144,5	42 300	42 300	42 300	78,4	143,7	36 700	36 700		38,0
40,0	76,5	143,9	41 800	41 800	41 800	77,6	143,1	36 000	36 000		40,0
42,0	75,7	143,4	41 400	41 400	41 400	76,7	142,6	35 200	35 200		42,0
44,0	74,9	142,8	40 900	40 900	40 900	75,9	142,0	34 400	34 400		44,0
46,0	74,1	142,2	40 500	40 500	40 500	75,1	141,3	33 700	33 700		46,0
48,0	73,2	141,5	40 000	40 000	40 000	74,2	140,7	33 100	33 100		48,0
50,0	72,4	140,8	39 600	39 600	39 600	73,4	140,0	32 400	32 400		50,0
52,0	71,6	140,1	39 200	39 200	39 200	72,6	139,3	31 800	31 800		52,0
54,0	70,7	139,3	38 800	38 800	38 800	71,7	138,5	31 200	31 200		54,0
56,0	69,9	138,6	38 400	38 400	38 400	70,9	137,7	30 700	30 700		56,0
58,0	69,1	137,7	38 000	38 000	38 000	70,0	136,9	30 100	30 100		58,0
60,0	68,2	136,9	37 600	37 600	37 600	69,2	136,0	29 600	29 600		60,0
62,0	67,3	136,0	37 300	37 300	37 300	68,3	135,1	29 100	29 100		62,0
64,0	66,5	135,1	36 900	36 900	36 900	67,4	134,2	28 600	28 600		64,0
66,0	65,6	134,1	36 500	36 500	36 500	66,6	133,2	28 100	28 100		66,0
68,0	64,7	133,1	35 900	35 900	35 900	65,7	132,2	27 700	27 700		68,0
70,0	63,8	132,0	35 200	35 200	35 200	64,8	131,1	27 300	27 300		70,0
74,0	62,0	129,8	33 800	33 800	33 800	63,0	128,9	26 400	26 400		74,0
78,0	60,2	127,5	30 100	32 600	32 600	61,1	126,5	25 700	25 700		78,0
82,0	58,4	124,9	25 500	31 400	31 400	59,3	124,0	25 000	25 000		82,0
86,0	56,5	122,2	21 400	30 400	30 400	57,3	121,2	22 700	24 300		86,0
90,0	54,5	119,2	17 600	29 400	29 400	55,4	118,2	18 800	23 700		90,0
94,0	52,5	116,1	14 100	28 500	28 500	53,4	115,1	15 200	23 100		94,0
98,0	50,4	112,7	10 900	27 600	27 600	51,3	111,6	11 900	22 600		98,0
102,0	48,3	109,0	8 000	26 800	26 800	49,1	107,9	8 900	22 100		102,0
106,0	46,1	105,1	5 200	26 100	26 100	46,9	103,9	6 000	21 600		106,0
110,0	43,8	100,8		25 400	25 400	44,6	99,6		21 200		110,0
114,0	41,4	96,2		24 800	24 800	42,1	94,9		20 800		114,0
118,0	38,9	91,1		24 200	24 200	39,6	89,8		20 500		118,0
122,0	36,2	85,6		23 600	23 600	36,8	84,2		20 200		122,0
126,0	33,3	79,4		23 100	23 100	33,9	77,9		19 900		126,0
130,0	30,2	72,4		22 500	22 500	30,7	70,8		19 700		130,0
134,0	26,7	64,5		20 400	20 400						134,0
138,0	22,6	55,0		18 400	18 400						138,0

MLC650 VPC-MAX S-3

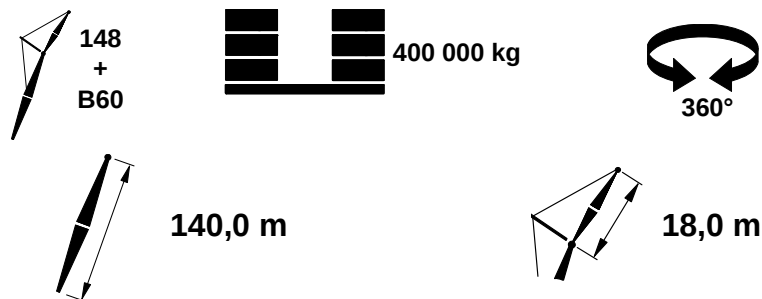
ASME B30.5

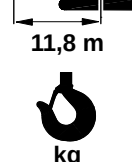
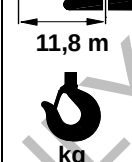
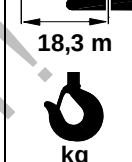


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
25,9	82,5	153,1	45 100	45 100						25,9
26,0	82,5	153,1	45 000	45 000						26,0
28,0	81,7	152,8	44 500	44 500	82,7	152,0	39 300	39 300		28,0
30,0	80,9	152,4	44 000	44 000	81,9	151,6	38 900	38 900		30,0
32,0	80,2	152,0	43 600	43 600	81,2	151,2	38 600	38 600		32,0
34,0	79,4	151,6	43 100	43 100	80,4	150,8	38 200	38 200		34,0
36,0	78,6	151,1	42 600	42 600	79,6	150,3	37 900	37 900		36,0
38,0	77,9	150,7	42 100	42 100	78,8	149,8	37 100	37 100		38,0
40,0	77,1	150,2	41 700	41 700	78,1	149,3	36 400	36 400		40,0
42,0	76,3	149,6	41 300	41 300	77,3	148,8	35 600	35 600		42,0
44,0	75,5	149,0	40 800	40 800	76,5	148,2	34 900	34 900		44,0
46,0	74,7	148,5	40 400	40 400	75,7	147,6	34 200	34 200		46,0
48,0	73,9	147,8	40 000	40 000	74,9	147,0	33 500	33 500		48,0
50,0	73,1	147,2	39 600	39 600	74,1	146,3	32 900	32 900		50,0
52,0	72,3	146,5	39 200	39 200	73,3	145,6	32 300	32 300		52,0
54,0	71,5	145,8	38 800	38 800	72,5	144,9	31 700	31 700		54,0
56,0	70,7	145,0	38 500	38 500	71,7	144,2	31 100	31 100		56,0
58,0	69,9	144,2	38 100	38 100	70,9	143,4	30 600	30 600		58,0
60,0	69,1	143,4	37 700	37 700	70,0	142,5	30 100	30 100		60,0
62,0	68,3	142,6	37 400	37 400	69,2	141,7	29 600	29 600		62,0
64,0	67,5	141,7	37 100	37 100	68,4	140,8	29 100	29 100		64,0
66,0	66,6	140,8	36 700	36 700	67,6	139,9	28 600	28 600		66,0
68,0	65,8	139,8	36 400	36 400	66,7	138,9	28 200	28 200		68,0
70,0	65,0	138,8	36 000	36 000	65,9	137,9	27 800	27 800		70,0
74,0	63,3	136,7	32 900	34 700	64,2	135,8	26 900	26 900		74,0
78,0	61,5	134,5	27 800	33 400	62,4	133,5	26 200	26 200		78,0
82,0	59,8	132,1	23 200	32 300	60,6	131,1	24 700	25 500		82,0
86,0	58,0	129,5	19 100	31 200	58,8	128,5	20 500	24 800		86,0
90,0	56,1	126,7	15 300	30 200	57,0	125,7	16 600	24 200		90,0
94,0	54,3	123,7	11 800	29 200	55,1	122,7	13 000	23 600		94,0
98,0	52,3	120,6	8 600	28 400	53,2	119,5	9 700	23 100		98,0
102,0	50,4	117,2	5 600	27 600	51,2	116,1	6 600	22 600		102,0
106,0	48,3	113,5		26 800	49,1	112,4	3 800	22 100		106,0
110,0	46,2	109,6		26 100	47,0	108,4		21 700		110,0
114,0	44,0	105,3		25 400	44,7	104,2		21 300		114,0
118,0	41,7	100,8		24 800	42,4	99,5		20 900		118,0
122,0	39,3	95,8		24 300	40,0	94,5		20 500		122,0
126,0	36,8	90,3		23 000	37,4	88,9		20 200		126,0
130,0	34,0	84,3		20 800	34,6	82,8		20 000		130,0
134,0	31,1	77,6		18 600	31,6	76,0		18 900		134,0
138,0	27,9	70,0		16 600						138,0
142,0	24,2	61,1		14 700						142,0
146,0	19,8	50,3		12 900						146,0

MLC650 VPC-MAX S-3

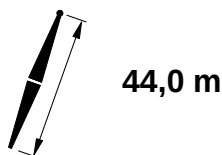
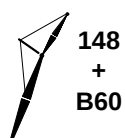
ASME B30.5



	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
25,9	82,8	159,2	44 500	44 500					25,9
26,0	82,8	159,2	44 500	44 500					26,0
28,0	82,0	158,9	44 000	44 000					28,0
30,0	81,3	158,5	43 600	43 600	82,3	157,7	38 600	38 600	30,0
32,0	80,6	158,1	43 100	43 100	81,5	157,3	38 300	38 300	32,0
34,0	79,8	157,7	42 700	42 700	80,8	156,9	38 000	38 000	34,0
36,0	79,1	157,3	42 300	42 300	80,0	156,5	37 700	37 700	36,0
38,0	78,3	156,8	41 800	41 800	79,3	156,0	37 300	37 300	38,0
40,0	77,6	156,4	41 400	41 400	78,5	155,5	36 800	36 800	40,0
42,0	76,8	155,8	41 000	41 000	77,8	155,0	36 100	36 100	42,0
44,0	76,1	155,3	40 600	40 600	77,0	154,5	35 400	35 400	44,0
46,0	75,3	154,7	40 200	40 200	76,3	153,9	34 700	34 700	46,0
48,0	74,6	154,1	39 800	39 800	75,5	153,3	34 000	34 000	48,0
50,0	73,8	153,5	39 500	39 500	74,7	152,6	33 400	33 400	50,0
52,0	73,0	152,8	39 100	39 100	74,0	152,0	32 800	32 800	52,0
54,0	72,3	152,1	38 700	38 700	73,2	151,3	32 200	32 200	54,0
56,0	71,5	151,4	38 400	38 400	72,4	150,6	31 600	31 600	56,0
58,0	70,7	150,7	38 000	38 000	71,6	149,8	31 100	31 100	58,0
60,0	69,9	149,9	37 700	37 700	70,9	149,0	30 600	30 600	60,0
62,0	69,2	149,1	37 400	37 400	70,1	148,2	30 100	30 100	62,0
64,0	68,4	148,2	37 000	37 000	69,3	147,4	29 600	29 600	64,0
66,0	67,6	147,4	36 700	36 700	68,5	146,5	29 100	29 100	66,0
68,0	66,8	146,4	36 400	36 400	67,7	145,6	28 700	28 700	68,0
70,0	66,0	145,5	36 100	36 100	66,9	144,6	28 200	28 200	70,0
74,0	64,4	143,5	32 500	35 400	65,2	142,6	27 400	27 400	74,0
78,0	62,7	141,4	27 400	34 200	63,6	140,4	26 600	26 600	78,0
82,0	61,1	139,1	22 800	33 000	61,9	138,1	24 300	25 900	82,0
86,0	59,4	136,6	18 600	31 900	60,2	135,7	20 100	25 300	86,0
90,0	57,6	134,0	14 800	30 900	58,4	133,0	16 100	24 600	90,0
94,0	55,8	131,2	11 300	29 900	56,7	130,2	12 600	24 100	94,0
98,0	54,0	128,2	8 100	29 100	54,8	127,2	9 300	23 500	98,0
102,0	52,2	125,0	5 200	28 200	53,0	124,0	6 200	23 000	102,0
106,0	50,3	121,6		27 500	51,0	120,6	3 400	22 500	106,0
110,0	48,3	118,0		26 700	49,1	116,9		22 100	110,0
114,0	46,3	114,1		26 100	47,0	112,9		21 700	114,0
118,0	44,2	109,9		25 400	44,9	108,7		21 200	118,0
122,0	42,0	105,3		24 800	42,7	104,1		20 900	122,0
126,0	39,7	100,4		22 600	40,3	99,1		20 600	126,0
130,0	37,3	95,1		20 400	37,9	93,7		20 300	130,0
134,0	34,7	89,2		18 300	35,3	87,7		18 600	134,0
138,0	31,9	82,7		16 300	32,4	81,1		16 500	138,0
142,0	28,9	75,4		14 400	29,4	73,7		14 600	142,0
146,0	25,5	67,1		12 600					146,0
150,0	21,7	57,1		10 500					150,0

MLC650 VPC-MAX S-3

ASME B30.5



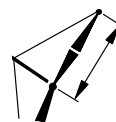
	10°					20°				
	m	°	m	kg	kg	m	°	m	kg	kg
16,8	81,8	69,5	37 300b	37 300b						
18,0	80,7	69,2	36 500b	36 500b						
20,0	79,0	68,6	35 300	35 300	82,1	67,9	30 600b	30 600b		
22,0	77,2	68,0	34 200	34 200	80,3	67,3	28 900b	28 900b		
24,0	75,5	67,4	33 100	33 100	78,5	66,6	27 300	27 300		
26,0	73,7	66,6	32 200	32 200	76,7	65,8	25 900	25 900		
28,0	71,9	65,8	31 200	31 200	74,8	65,0	24 700	24 700		
30,0	70,0	64,9	30 400	30 400	73,0	64,1	23 600	23 600		
32,0	68,2	64,0	29 200	29 200	71,1	63,2	22 500	22 500		
34,0	66,3	62,9	27 700	27 700	69,2	62,1	21 600	21 600		
36,0	64,3	61,8	26 400	26 400	67,2	61,0	20 700	20 700		
38,0	62,4	60,6	25 200	25 200	65,2	59,7	19 900	19 900		
40,0	60,3	59,3	24 100	24 100	63,1	58,4	19 200	19 200		
42,0	58,3	57,8	23 000	23 000	61,0	56,9	18 500	18 500		
44,0	56,1	56,3	22 100	22 100	58,9	55,4	17 900	17 900		
46,0	54,0	54,6	21 200	21 200	56,7	53,7	17 300	17 300		
48,0	51,7	52,8	20 400	20 400	54,3	51,8	16 800	16 800		
50,0	49,3	50,9	19 700	19 700	51,9	49,9	16 300	16 300		
52,0	46,9	48,8	19 000	19 000	49,4	47,7	15 800	15 800		
54,0	44,3	46,5	18 400	18 400	46,8	45,3	15 400	15 400		
56,0	41,6	43,9	17 800	17 800	44,0	42,7	15 000	15 000		
58,0	38,7	41,1	17 200	17 200	41,0	39,8	14 600	14 600		
60,0	35,5	38,0	16 700	16 700	37,7	36,5	14 300	14 300		
62,0	32,1	34,4	16 300	16 300	34,1	32,7	14 000	14 000		
64,0	28,1	30,1	15 900	15 900	29,9	28,2	13 800	13 800		
66,0	23,5	24,9	15 500	15 500						

MLC650 VPC-MAX S-3

ASME B30.5



50,0 m

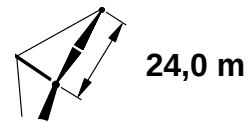
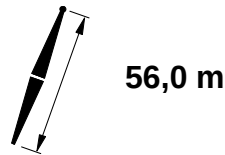


24,0 m

	10°					20°				
	m	°	m	kg	kg	m	kg	kg	m	
16,8	82,5	75,6	37 700b	37 700b						16,8
18,0	81,5	75,3	36 900	36 900						18,0
20,0	79,9	74,8	35 900	35 900	82,7	74,0	31 300b	31 300b		20,0
22,0	78,3	74,3	34 800	34 800	81,1	73,5	29 600	29 600		22,0
24,0	76,7	73,6	33 800	33 800	79,5	72,8	28 100	28 100		24,0
26,0	75,1	73,0	32 900	32 900	77,8	72,2	26 800	26 800		26,0
28,0	73,4	72,2	32 000	32 000	76,2	71,4	25 600	25 600		28,0
30,0	71,8	71,4	31 100	31 100	74,5	70,6	24 500	24 500		30,0
32,0	70,1	70,6	30 300	30 300	72,8	69,7	23 400	23 400		32,0
34,0	68,4	69,6	29 400	29 400	71,0	68,8	22 500	22 500		34,0
36,0	66,6	68,6	28 000	28 000	69,3	67,8	21 600	21 600		36,0
38,0	64,9	67,5	26 700	26 700	67,5	66,6	20 800	20 800		38,0
40,0	63,1	66,4	25 600	25 600	65,7	65,5	20 100	20 100		40,0
42,0	61,2	65,1	24 500	24 500	63,8	64,2	19 400	19 400		42,0
44,0	59,4	63,7	23 600	23 600	61,9	62,8	18 800	18 800		44,0
46,0	57,4	62,3	22 700	22 700	60,0	61,3	18 200	18 200		46,0
48,0	55,5	60,7	21 800	21 800	58,0	59,7	17 600	17 600		48,0
50,0	53,5	59,1	21 100	21 100	55,9	58,0	17 100	17 100		50,0
52,0	51,4	57,3	20 300	20 300	53,8	56,2	16 600	16 600		52,0
54,0	49,2	55,3	19 700	19 700	51,6	54,2	16 200	16 200		54,0
56,0	47,0	53,2	19 000	19 000	49,3	52,1	15 800	15 800		56,0
58,0	44,7	51,0	18 500	18 500	46,9	49,8	15 400	15 400		58,0
60,0	42,2	48,5	17 900	17 900	44,4	47,2	15 000	15 000		60,0
62,0	39,6	45,8	17 400	17 400	41,7	44,5	14 700	14 700		62,0
64,0	36,8	42,8	17 000	17 000	38,8	41,4	14 400	14 400		64,0
66,0	33,8	39,5	16 500	16 500	35,7	37,9	14 100	14 100		66,0
68,0	30,5	35,7	16 100	16 100	32,2	33,9	13 900	13 900		68,0
70,0	26,7	31,2	15 700	15 700	28,2	29,1	13 700	13 700		70,0

MLC650 VPC-MAX S-3

ASME B30.5



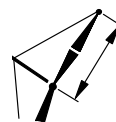
	10°					20°				
18,3	82,0	81,4	37 200	37 200		81,8	79,6	30 300	30 300	18,3
20,0	80,7	81,0	36 300	36 300		80,3	79,1	28 800	28 800	20,0
22,0	79,2	80,5	35 300	35 300		78,8	78,5	27 500	27 500	22,0
24,0	77,7	79,9	34 400	34 400		77,3	77,8	26 300	26 300	24,0
26,0	76,2	79,3	33 500	33 500		75,7	77,0	25 300	25 300	26,0
28,0	74,7	78,6	32 600	32 600		74,2	76,2	24 200	24 200	28,0
30,0	73,2	77,9	31 800	31 800		72,6	75,4	23 300	23 300	30,0
32,0	71,7	77,1	31 100	31 100		71,0	74,4	22 500	22 500	32,0
34,0	70,1	76,2	30 300	30 300		69,4	73,4	21 700	21 700	34,0
36,0	68,5	75,3	29 400	29 400		67,7	72,4	20 900	20 900	36,0
38,0	66,9	74,3	28 200	28 200		66,1	71,2	20 200	20 200	38,0
40,0	65,3	73,3	27 000	27 000		64,4	70,0	19 600	19 600	40,0
42,0	63,7	72,1	26 000	26 000		62,6	68,7	19 000	19 000	42,0
44,0	62,0	70,9	25 000	25 000		60,9	67,3	18 500	18 500	44,0
46,0	60,3	69,6	24 000	24 000		59,1	65,8	17 900	17 900	46,0
48,0	58,5	68,2	23 200	23 200		57,2	64,2	17 400	17 400	48,0
50,0	56,8	66,8	22 400	22 400		55,3	62,5	17 000	17 000	50,0
52,0	54,9	65,2	21 600	21 600		53,3	60,6	16 500	16 500	52,0
54,0	53,1	63,5	20 900	20 900		51,3	58,7	16 100	16 100	54,0
56,0	51,1	61,7	20 300	20 300		49,2	56,6	15 800	15 800	56,0
58,0	49,1	59,8	19 600	19 600		47,0	54,3	15 400	15 400	58,0
60,0	47,1	57,7	19 100	19 100		44,7	51,8	15 100	15 100	60,0
62,0	44,9	55,5	18 500	18 500		42,3	49,1	14 800	14 800	62,0
64,0	42,7	53,1	18 000	18 000		39,7	46,2	14 500	14 500	64,0
66,0	40,4	50,5	17 600	17 600		37,0	42,9	14 200	14 200	66,0
68,0	37,9	47,6	17 100	17 100		35,1	40,7	13 800	13 800	68,0
70,0	35,2	44,5	16 700	16 700						70,0
74,0	29,1	37,0	16 000	16 000						74,0

MLC650 VPC-MAX S-3

ASME B30.5



62,0 m

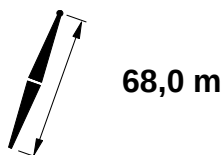
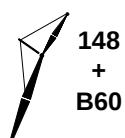


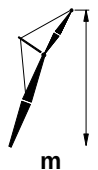
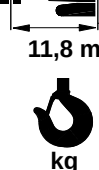
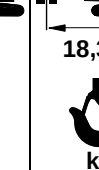
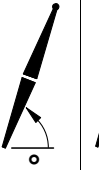
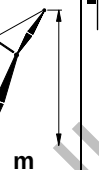
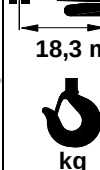
24,0 m

	10°				20°				
	m	°	m	kg	kg	°	m	kg	m
18,3	82,5	87,5	37 500	37 500					18,3
20,0	81,4	87,1	36 600	36 600					20,0
22,0	80,0	86,6	35 700	35 700	82,4	85,8	30 900	30 900	22,0
24,0	78,6	86,1	34 800	34 800	81,0	85,3	29 500	29 500	24,0
26,0	77,2	85,6	33 900	33 900	79,6	84,7	28 200	28 200	26,0
28,0	75,8	84,9	33 100	33 100	78,2	84,1	27 100	27 100	28,0
30,0	74,4	84,3	32 400	32 400	76,8	83,4	26 000	26 000	30,0
32,0	73,0	83,5	31 600	31 600	75,3	82,7	25 000	25 000	32,0
34,0	71,6	82,8	30 900	30 900	73,9	81,9	24 100	24 100	34,0
36,0	70,1	81,9	30 300	30 300	72,4	81,0	23 200	23 200	36,0
38,0	68,7	81,0	29 600	29 600	71,0	80,1	22 400	22 400	38,0
40,0	67,2	80,0	28 400	28 400	69,5	79,1	21 700	21 700	40,0
42,0	65,7	79,0	27 300	27 300	67,9	78,1	21 000	21 000	42,0
44,0	64,2	77,9	26 300	26 300	66,4	76,9	20 400	20 400	44,0
46,0	62,6	76,7	25 300	25 300	64,8	75,8	19 800	19 800	46,0
48,0	61,1	75,5	24 400	24 400	63,2	74,5	19 200	19 200	48,0
50,0	59,5	74,2	23 600	23 600	61,6	73,2	18 700	18 700	50,0
52,0	57,8	72,7	22 800	22 800	60,0	71,7	18 200	18 200	52,0
54,0	56,2	71,3	22 100	22 100	58,3	70,2	17 700	17 700	54,0
56,0	54,5	69,7	21 400	21 400	56,6	68,6	17 300	17 300	56,0
58,0	52,7	68,0	20 800	20 800	54,8	66,9	16 900	16 900	58,0
60,0	50,9	66,2	20 200	20 200	53,0	65,1	16 500	16 500	60,0
62,0	49,1	64,3	19 600	19 600	51,1	63,1	16 100	16 100	62,0
64,0	47,2	62,2	19 100	19 100	49,1	61,0	15 700	15 700	64,0
66,0	45,2	60,0	18 600	18 600	47,1	58,8	15 400	15 400	66,0
68,0	43,1	57,7	18 100	18 100	45,0	56,4	15 100	15 100	68,0
70,0	41,0	55,1	17 700	17 700	42,8	53,8	14 800	14 800	70,0
74,0	36,3	49,4	16 900	16 900	38,0	47,9	14 300	14 300	74,0
78,0	31,0	42,5	16 100	16 100	32,4	40,6	13 900	13 900	78,0
82,0	24,4	33,5	15 500	15 500					82,0

MLC650 VPC-MAX S-3

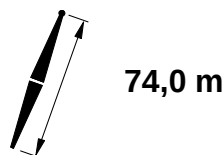
ASME B30.5



	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
19,8	82,1	93,3	37 000	37 000						19,8
20,0	81,9	93,2	36 900	36 900						20,0
22,0	80,7	92,8	36 000	36 000						22,0
24,0	79,4	92,3	35 200	35 200						24,0
26,0	78,1	91,8	34 300	34 300	81,6	91,5	30 000	30 000		26,0
28,0	76,8	91,2	33 600	33 600	80,3	90,9	28 800	28 800		28,0
30,0	75,5	90,6	32 800	32 800	79,0	90,3	27 700	27 700		30,0
32,0	74,2	89,9	32 200	32 200	77,7	89,7	26 600	26 600		32,0
34,0	72,8	89,2	31 500	31 500	76,4	89,0	25 600	25 600		34,0
36,0	71,5	88,4	30 800	30 800	75,0	88,3	24 800	24 800		36,0
38,0	70,2	87,6	30 200	30 200	73,7	87,5	23 900	23 900		38,0
40,0	68,8	86,7	29 500	29 500	72,3	86,7	23 100	23 100		40,0
42,0	67,4	85,7	28 600	28 600	70,9	85,7	22 400	22 400		42,0
44,0	66,0	84,7	27 500	27 500	69,5	84,8	21 700	21 700		44,0
46,0	64,6	83,6	26 500	26 500	68,1	83,8	21 100	21 100		46,0
48,0	63,2	82,5	25 600	25 600	66,7	82,7	20 500	20 500		48,0
50,0	61,7	81,3	24 800	24 800	65,2	81,5	19 900	19 900		50,0
52,0	60,2	80,0	24 000	24 000	63,8	80,3	19 400	19 400		52,0
54,0	58,7	78,7	23 300	23 300	62,3	79,0	18 900	18 900		54,0
56,0	57,2	77,2	22 500	22 500	60,7	77,6	18 400	18 400		56,0
58,0	55,6	75,7	21 900	21 900	59,2	76,2	18 000	18 000		58,0
60,0	54,0	74,1	21 300	21 300	57,6	74,7	17 500	17 500		60,0
62,0	52,4	72,4	20 700	20 700	56,0	73,0	17 100	17 100		62,0
64,0	50,7	70,6	20 200	20 200	54,3	71,3	16 800	16 800		64,0
66,0	49,0	68,7	19 600	19 600	52,6	69,5	16 400	16 400		66,0
68,0	47,2	66,7	19 100	19 100	50,9	67,5	16 100	16 100		68,0
70,0	45,4	64,6	18 700	18 700	49,1	65,5	15 700	15 700		70,0
74,0	41,5	59,8	17 800	17 800	47,2	63,3	15 400	15 400		74,0
78,0	37,3	54,2	17 000	17 000	43,2	58,4	14 900	14 900		78,0
82,0	32,5	47,7	16 300	16 300	38,9	52,7	14 400	14 400		82,0
86,0	26,8	39,5	15 700	15 700	33,9	45,9	14 000	14 000		86,0

MLC650 VPC-MAX S-3

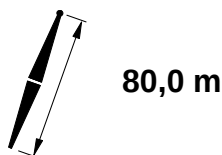
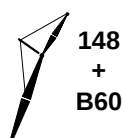
ASME B30.5

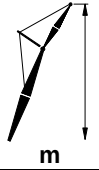
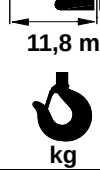
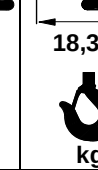
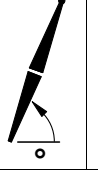
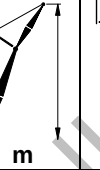


	10°				20°				
	 m	 °	 m	 kg	 kg	 m	 kg	 kg	 m
19,8	82,6	99,4	37 200	37 200					19,8
20,0	82,4	99,3	37 100	37 100					20,0
22,0	81,2	98,9	36 300	36 300					22,0
24,0	80,0	98,5	35 500	35 500	82,2	97,6	30 500	30 500	24,0
26,0	78,8	98,0	34 700	34 700	80,9	97,1	29 300	29 300	26,0
28,0	77,6	97,5	34 000	34 000	79,7	96,6	28 300	28 300	28,0
30,0	76,4	96,9	33 300	33 300	78,5	96,0	27 200	27 200	30,0
32,0	75,2	96,2	32 600	32 600	77,2	95,3	26 300	26 300	32,0
34,0	73,9	95,6	31 900	31 900	76,0	94,7	25 400	25 400	34,0
36,0	72,7	94,8	31 300	31 300	74,7	93,9	24 600	24 600	36,0
38,0	71,4	94,1	30 700	30 700	73,5	93,1	23 800	23 800	38,0
40,0	70,2	93,2	30 200	30 200	72,2	92,3	23 100	23 100	40,0
42,0	68,9	92,4	29 600	29 600	70,9	91,4	22 400	22 400	42,0
44,0	67,6	91,4	28 800	28 800	69,6	90,5	21 800	21 800	44,0
46,0	66,3	90,4	27 700	27 700	68,3	89,5	21 200	21 200	46,0
48,0	65,0	89,4	26 800	26 800	66,9	88,4	20 600	20 600	48,0
50,0	63,7	88,3	25 900	25 900	65,6	87,3	20 100	20 100	50,0
52,0	62,3	87,1	25 100	25 100	64,2	86,1	19 500	19 500	52,0
54,0	60,9	85,9	24 400	24 400	62,8	84,8	19 100	19 100	54,0
56,0	59,5	84,6	23 700	23 700	61,4	83,5	18 600	18 600	56,0
58,0	58,1	83,2	23 000	23 000	60,0	82,1	18 200	18 200	58,0
60,0	56,7	81,7	22 300	22 300	58,5	80,7	17 800	17 800	60,0
62,0	55,2	80,2	21 700	21 700	57,0	79,1	17 400	17 400	62,0
64,0	53,7	78,6	21 100	21 100	55,5	77,5	17 000	17 000	64,0
66,0	52,2	76,9	20 600	20 600	53,9	75,8	16 700	16 700	66,0
68,0	50,6	75,1	20 100	20 100	52,3	73,9	16 300	16 300	68,0
70,0	49,0	73,2	19 600	19 600	50,7	72,0	16 000	16 000	70,0
74,0	45,6	69,1	18 700	18 700	47,3	67,8	15 500	15 500	74,0
78,0	42,0	64,4	17 900	17 900	43,6	63,0	14 900	14 900	78,0
82,0	38,1	59,0	17 100	17 100	39,6	57,5	14 500	14 500	82,0
86,0	33,8	52,8	16 500	16 500	35,1	51,0	14 100	14 100	86,0
90,0	28,8	45,2	15 900	15 900	29,9	43,2	13 800	13 800	90,0
94,0	22,6	35,5	15 400	15 400					94,0

MLC650 VPC-MAX S-3

ASME B30.5



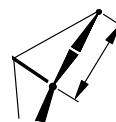
	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
19,8	83,0	105,5	37 300	37 300					19,8
20,0	82,9	105,4	37 200	37 200					20,0
22,0	81,8	105,1	36 400	36 400					22,0
24,0	80,6	104,6	35 700	35 700					24,0
26,0	79,5	104,2	35 000	35 000					26,0
28,0	78,4	103,7	34 300	34 300	81,5	103,3	29 800	29 800	28,0
30,0	77,2	103,1	33 600	33 600	80,3	102,8	28 800	28 800	30,0
32,0	76,1	102,5	33 000	33 000	79,2	102,2	27 800	27 800	32,0
34,0	74,9	101,9	32 300	32 300	78,0	101,6	26 800	26 800	34,0
36,0	73,7	101,2	31 700	31 700	76,9	101,0	26 000	26 000	36,0
38,0	72,6	100,5	31 200	31 200	75,7	100,3	25 200	25 200	38,0
40,0	71,4	99,7	30 600	30 600	74,5	99,6	24 400	24 400	40,0
42,0	70,2	98,9	30 100	30 100	73,3	98,8	23 700	23 700	42,0
44,0	69,0	98,0	29 600	29 600	72,1	97,9	23 000	23 000	44,0
46,0	67,8	97,1	28 800	28 800	70,9	97,1	22 400	22 400	46,0
48,0	66,6	96,1	27 900	27 900	69,7	96,1	21 800	21 800	48,0
50,0	65,3	95,1	27 000	27 000	68,4	95,2	21 200	21 200	50,0
52,0	64,1	94,0	26 200	26 200	67,2	94,1	20 700	20 700	52,0
54,0	62,8	92,9	25 400	25 400	65,9	93,0	20 200	20 200	54,0
56,0	61,5	91,7	24 700	24 700	64,6	91,9	19 700	19 700	56,0
58,0	60,2	90,4	24 000	24 000	63,3	90,7	19 200	19 200	58,0
60,0	58,9	89,1	23 300	23 300	62,0	89,4	18 800	18 800	60,0
62,0	57,5	87,7	22 700	22 700	60,7	88,0	18 400	18 400	62,0
64,0	56,2	86,2	22 100	22 100	59,3	86,6	18 000	18 000	64,0
66,0	54,8	84,7	21 600	21 600	57,9	85,1	17 600	17 600	66,0
68,0	53,4	83,1	21 000	21 000	56,5	83,6	17 300	17 300	68,0
70,0	51,9	81,4	20 600	20 600	55,1	81,9	16 900	16 900	70,0
74,0	48,9	77,7	19 600	19 600	53,6	80,2	16 600	16 600	74,0
78,0	45,8	73,6	18 800	18 800	50,5	76,4	16 000	16 000	78,0
82,0	42,4	69,0	18 000	18 000	47,3	72,3	15 500	15 500	82,0
86,0	38,8	63,8	17 300	17 300	43,9	67,6	15 000	15 000	86,0
90,0	34,8	57,8	16 600	16 600	40,2	62,2	14 500	14 500	90,0
94,0	30,3	50,7	16 100	16 100	36,1	56,1	14 200	14 200	94,0
98,0	25,0	41,9	15 600	15 600	31,5	48,7	13 900	13 900	98,0

MLC650 VPC-MAX S-3

ASME B30.5



86,0 m

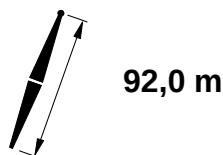
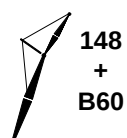


24,0 m

	10°				20°				
	 m	 °	 m	 kg	 m	 °	 kg	 kg	
21,3	82,6	111,3	36 800	36 800					21,3
22,0	82,2	111,2	36 600	36 600					22,0
24,0	81,2	110,8	35 900	35 900					24,0
26,0	80,1	110,3	35 200	35 200	82,0	109,4	30 300	30 300	26,0
28,0	79,0	109,9	34 500	34 500	80,9	108,9	29 300	29 300	28,0
30,0	77,9	109,3	33 900	33 900	79,8	108,4	28 300	28 300	30,0
32,0	76,9	108,8	33 300	33 300	78,7	107,9	27 400	27 400	32,0
34,0	75,8	108,2	32 700	32 700	77,6	107,3	26 500	26 500	34,0
36,0	74,7	107,6	32 100	32 100	76,5	106,6	25 700	25 700	36,0
38,0	73,6	106,9	31 600	31 600	75,4	105,9	25 000	25 000	38,0
40,0	72,5	106,1	31 000	31 000	74,3	105,2	24 300	24 300	40,0
42,0	71,3	105,4	30 500	30 500	73,1	104,4	23 600	23 600	42,0
44,0	70,2	104,6	30 000	30 000	72,0	103,6	23 000	23 000	44,0
46,0	69,1	103,7	29 500	29 500	70,9	102,7	22 400	22 400	46,0
48,0	67,9	102,8	28 900	28 900	69,7	101,8	21 800	21 800	48,0
50,0	66,8	101,8	28 100	28 100	68,5	100,8	21 300	21 300	50,0
52,0	65,6	100,8	27 300	27 300	67,4	99,8	20 800	20 800	52,0
54,0	64,4	99,8	26 500	26 500	66,2	98,8	20 300	20 300	54,0
56,0	63,3	98,7	25 700	25 700	65,0	97,6	19 800	19 800	56,0
58,0	62,0	97,5	25 000	25 000	63,7	96,4	19 400	19 400	58,0
60,0	60,8	96,3	24 300	24 300	62,5	95,2	19 000	19 000	60,0
62,0	59,6	95,0	23 700	23 700	61,3	93,9	18 600	18 600	62,0
64,0	58,3	93,6	23 100	23 100	60,0	92,5	18 200	18 200	64,0
66,0	57,1	92,2	22 500	22 500	58,7	91,1	17 900	17 900	66,0
68,0	55,8	90,7	22 000	22 000	57,4	89,6	17 500	17 500	68,0
70,0	54,4	89,2	21 500	21 500	56,0	88,0	17 200	17 200	70,0
74,0	51,7	85,8	20 500	20 500	53,3	84,6	16 500	16 500	74,0
78,0	48,9	82,2	19 600	19 600	50,4	80,9	16 000	16 000	78,0
82,0	45,9	78,1	18 800	18 800	47,4	76,8	15 500	15 500	82,0
86,0	42,8	73,5	18 100	18 100	44,2	72,1	15 000	15 000	86,0
90,0	39,4	68,4	17 400	17 400	40,7	66,9	14 600	14 600	90,0
94,0	35,7	62,6	16 800	16 800	37,0	61,0	14 300	14 300	94,0
98,0	31,6	55,9	16 300	16 300	32,7	54,0	14 000	14 000	98,0
102,0	26,9	47,8	15 700	15 700	27,8	45,6	13 700	13 700	102,0
106,0	21,1	37,5	14 500	15 300					106,0

MLC650 VPC-MAX S-3

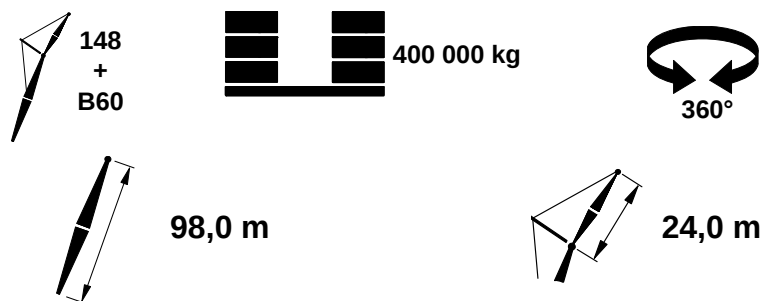
ASME B30.5

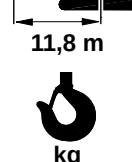
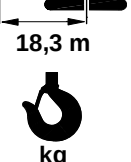
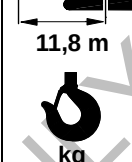
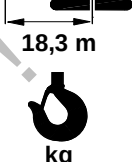


	10°				20°				
	m	°	m	kg	kg	m	kg	kg	m
21,3	83,0	117,4	36 900	36 900					21,3
22,0	82,6	117,2	36 600	36 600					22,0
24,0	81,6	116,9	36 000	36 000					24,0
26,0	80,6	116,4	35 300	35 300					26,0
28,0	79,6	116,0	34 700	34 700	82,4	115,5	30 700	30 700	28,0
30,0	78,6	115,5	34 100	34 100	81,4	115,1	29 700	29 700	30,0
32,0	77,6	115,0	33 500	33 500	80,3	114,6	28 800	28 800	32,0
34,0	76,5	114,4	32 900	32 900	79,3	114,0	27 900	27 900	34,0
36,0	75,5	113,8	32 400	32 400	78,3	113,5	27 000	27 000	36,0
38,0	74,5	113,2	31 900	31 900	77,2	112,9	26 300	26 300	38,0
					76,2	112,2	25 500	25 500	
40,0	73,4	112,5	31 400	31 400	75,1	111,5	24 800	24 800	40,0
42,0	72,4	111,8	30 900	30 900	74,1	110,8	24 200	24 200	42,0
44,0	71,3	111,0	30 400	30 400	73,0	110,0	23 500	23 500	44,0
46,0	70,2	110,2	29 900	29 900	71,9	109,2	23 000	23 000	46,0
48,0	69,2	109,3	29 500	29 500	70,8	108,3	22 400	22 400	48,0
50,0	68,1	108,4	29 000	29 000	69,7	107,4	21 800	21 800	50,0
52,0	67,0	107,5	28 300	28 300	68,6	106,5	21 400	21 400	52,0
54,0	65,9	106,5	27 500	27 500	67,5	105,5	20 900	20 900	54,0
56,0	64,8	105,5	26 700	26 700	66,4	104,4	20 400	20 400	56,0
58,0	63,6	104,4	26 000	26 000	65,3	103,3	20 000	20 000	58,0
60,0	62,5	103,2	25 300	25 300	64,1	102,2	19 600	19 600	60,0
62,0	61,4	102,0	24 700	24 700	63,0	101,0	19 100	19 100	62,0
64,0	60,2	100,8	24 000	24 000	61,8	99,7	18 800	18 800	64,0
66,0	59,0	99,5	23 500	23 500	60,6	98,4	18 400	18 400	66,0
68,0	57,8	98,1	22 900	22 900	59,4	97,0	18 000	18 000	68,0
70,0	56,6	96,7	22 400	22 400	58,1	95,6	17 700	17 700	70,0
74,0	54,1	93,6	21 400	21 400	55,6	92,5	17 100	17 100	74,0
78,0	51,5	90,3	20 400	20 400	53,0	89,1	16 500	16 500	78,0
82,0	48,8	86,6	19 600	19 600	50,3	85,3	16 000	16 000	82,0
86,0	46,0	82,5	18 900	18 900	47,4	81,2	15 500	15 500	86,0
90,0	43,1	78,1	18 200	18 200	44,4	76,6	15 100	15 100	90,0
94,0	39,9	73,1	17 500	17 500	41,2	71,5	14 700	14 700	94,0
98,0	36,5	67,4	16 900	16 900	37,7	65,8	14 300	14 300	98,0
102,0	32,7	61,0	16 200	16 400	33,8	59,1	14 000	14 000	102,0
106,0	28,5	53,4	13 500	15 900	29,4	51,3	13 600	13 800	106,0
110,0	23,5	44,1	10 900	15 500					110,0

MLC650 VPC-MAX S-3

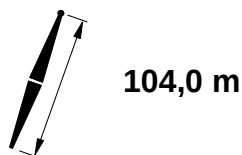
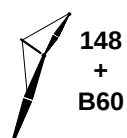
ASME B30.5

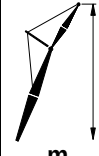
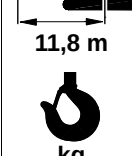
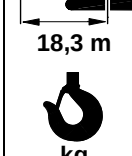
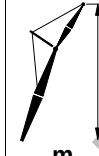
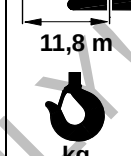
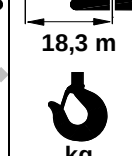


	10°					20°					
											
	m	°	m	kg	kg	°	m	kg	kg	m	
22,9	82,6	123,2	36 400	36 400						22,9	
24,0	82,0	123,0	36 000	36 000						24,0	
26,0	81,1	122,6	35 400	35 400		82,8	121,6	31 000	31 000	26,0	
28,0	80,1	122,2	34 800	34 800		81,8	121,2	30 100	30 100	28,0	
30,0	79,2	121,7	34 300	34 300		80,8	120,7	29 200	29 200	30,0	
32,0	78,2	121,2	33 700	33 700		79,9	120,2	28 300	28 300	32,0	
34,0	77,2	120,7	33 200	33 200		78,9	119,7	27 500	27 500	34,0	
36,0	76,2	120,1	32 700	32 700		77,9	119,1	26 800	26 800	36,0	
38,0	75,2	119,5	32 200	32 200		76,9	118,5	26 000	26 000	38,0	
40,0	74,3	118,8	31 700	31 700		75,9	117,9	25 300	25 300	40,0	
42,0	73,3	118,1	31 200	31 200		74,9	117,2	24 700	24 700	42,0	
44,0	72,3	117,4	30 700	30 700		73,9	116,4	24 100	24 100	44,0	
46,0	71,3	116,7	30 300	30 300		72,9	115,7	23 500	23 500	46,0	
48,0	70,3	115,9	29 800	29 800		71,9	114,9	22 900	22 900	48,0	
50,0	69,2	115,0	29 400	29 400		70,8	114,0	22 400	22 400	50,0	
52,0	68,2	114,1	29 000	29 000		69,8	113,1	21 900	21 900	52,0	
54,0	67,2	113,2	28 400	28 400		68,7	112,2	21 400	21 400	54,0	
56,0	66,1	112,2	27 700	27 700		67,7	111,2	21 000	21 000	56,0	
58,0	65,1	111,2	26 900	26 900		66,6	110,2	20 500	20 500	58,0	
60,0	64,0	110,1	26 200	26 200		65,5	109,1	20 100	20 100	60,0	
62,0	62,9	109,0	25 600	25 600		64,5	107,9	19 700	19 700	62,0	
64,0	61,8	107,8	25 000	25 000		63,4	106,8	19 300	19 300	64,0	
66,0	60,7	106,6	24 400	24 400		62,2	105,5	18 900	18 900	66,0	
68,0	59,6	105,3	23 800	23 800		61,1	104,2	18 600	18 600	68,0	
70,0	58,5	104,0	23 200	23 200		60,0	102,9	18 200	18 200	70,0	
74,0	56,2	101,2	22 200	22 200		57,6	100,0	17 600	17 600	74,0	
78,0	53,8	98,1	21 300	21 300		55,2	96,9	17 000	17 000	78,0	
82,0	51,4	94,7	20 400	20 400		52,8	93,5	16 500	16 500	82,0	
86,0	48,8	91,1	19 600	19 600		50,2	89,8	16 000	16 000	86,0	
90,0	46,1	87,0	18 900	18 900		47,5	85,7	15 500	15 500	90,0	
94,0	43,3	82,6	18 300	18 300		44,6	81,2	15 100	15 100	94,0	
98,0	40,4	77,7	17 000	17 600		41,6	76,2	14 700	14 700	98,0	
102,0	37,2	72,2	14 100	17 100		38,3	70,6	14 400	14 400	102,0	
106,0	33,7	66,0	11 400	16 600		34,8	64,2	12 000	14 100	106,0	
110,0	29,8	58,8	8 900	16 100		30,8	56,8	9 300	13 800	110,0	
114,0	25,4	50,2	6 400	15 700						114,0	
118,0	19,9	39,2	4 100	15 300						118,0	

MLC650 VPC-MAX S-3

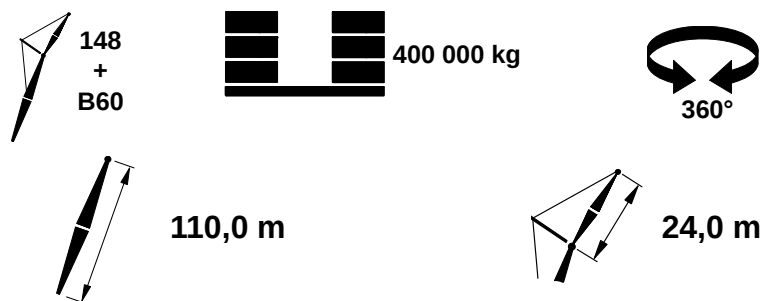
ASME B30.5

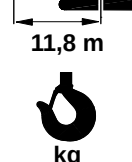
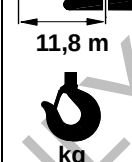
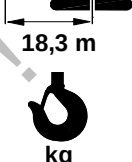


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
22,9	82,9	129,3	36 400	36 400						22,9
24,0	82,4	129,1	36 000	36 000						24,0
26,0	81,5	128,7	35 500	35 500						26,0
28,0	80,6	128,3	34 900	34 900						28,0
30,0	79,7	127,8	34 400	34 400						30,0
32,0	78,7	127,4	33 900	33 900	82,2	127,3	30 500	30 500		32,0
34,0	77,8	126,9	33 300	33 300	81,3	126,9	29 600	29 600		34,0
36,0	76,9	126,3	32 800	32 800	80,3	126,4	28 800	28 800		36,0
38,0	76,0	125,7	32 400	32 400	79,4	125,9	28 000	28 000		38,0
40,0	75,0	125,1	31 900	31 900	78,5	125,4	27 200	27 200		40,0
42,0	74,1	124,5	31 400	31 400	77,5	124,8	26 500	26 500		42,0
44,0	73,1	123,8	31 000	31 000	76,6	124,2	25 800	25 800		44,0
46,0	72,2	123,1	30 500	30 500	75,6	123,5	25 200	25 200		46,0
48,0	71,2	122,3	30 100	30 100	74,7	122,8	24 600	24 600		48,0
50,0	70,3	121,5	29 700	29 700	73,7	122,1	24 000	24 000		50,0
52,0	69,3	120,7	29 300	29 300	72,8	121,3	23 500	23 500		52,0
54,0	68,3	119,8	28 900	28 900	71,8	120,5	22 900	22 900		54,0
56,0	67,3	118,9	28 600	28 600	70,8	119,7	22 400	22 400		56,0
58,0	66,3	117,9	27 900	27 900	69,8	118,8	21 900	21 900		58,0
60,0	65,3	116,9	27 200	27 200	68,8	117,9	21 500	21 500		60,0
62,0	64,3	115,9	26 500	26 500	67,8	116,9	21 000	21 000		62,0
64,0	63,3	114,8	25 900	25 900	66,8	115,9	20 600	20 600		64,0
66,0	62,3	113,6	25 200	25 200	65,8	114,8	20 200	20 200		66,0
68,0	61,2	112,4	24 700	24 700	64,8	113,7	19 800	19 800		68,0
70,0	60,2	111,2	24 100	24 100	63,7	112,5	19 500	19 500		70,0
74,0	58,0	108,6	23 100	23 100	62,7	111,3	19 100	19 100		74,0
78,0	55,8	105,7	22 100	22 100	61,6	110,1	18 800	18 800		78,0
82,0	53,6	102,6	21 200	21 200	59,4	107,4	18 100	18 100		82,0
86,0	51,2	99,2	20 400	20 400	57,2	104,5	17 500	17 500		86,0
90,0	48,8	95,5	19 700	19 700	54,9	101,4	17 000	17 000		90,0
94,0	46,2	91,5	19 000	19 000	52,5	98,0	16 500	16 500		94,0
98,0	43,6	87,2	18 100	18 300	50,1	94,2	16 000	16 000		98,0
102,0	40,8	82,3	15 400	17 700	47,5	90,2	15 500	15 500		102,0
106,0	37,8	77,0	12 600	17 200	44,8	85,7	15 200	15 200		106,0
110,0	34,6	71,0	10 000	16 700	41,9	80,8	14 800	14 800		110,0
114,0	31,0	64,1	7 500	16 200	38,9	75,3	13 400	14 500		114,0
118,0	27,0	56,1	5 200	15 800	35,6	69,2	10 600	14 200		118,0
122,0	22,2	46,2		15 500	31,9	62,1	8 000	13 900		122,0

MLC650 VPC-MAX S-3

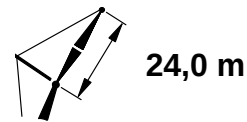
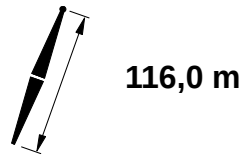
ASME B30.5



	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
24,4	82,6	135,1	35 800	35 800					24,4
26,0	81,9	134,8	35 400	35 400					26,0
28,0	81,0	134,4	34 900	34 900	82,6	133,5	30 600	30 600	28,0
30,0	80,1	134,0	34 400	34 400	81,7	133,0	29 900	29 900	30,0
32,0	79,3	133,5	33 900	33 900	80,8	132,6	29 100	29 100	32,0
34,0	78,4	133,1	33 400	33 400	79,9	132,1	28 300	28 300	34,0
36,0	77,5	132,5	32 900	32 900	79,0	131,6	27 600	27 600	36,0
38,0	76,6	132,0	32 500	32 500	78,1	131,0	26 900	26 900	38,0
40,0	75,7	131,4	32 000	32 000	77,2	130,4	26 200	26 200	40,0
42,0	74,8	130,8	31 600	31 600	76,3	129,8	25 600	25 600	42,0
44,0	73,9	130,1	31 100	31 100	75,4	129,2	25 000	25 000	44,0
46,0	73,0	129,5	30 700	30 700	74,5	128,5	24 400	24 400	46,0
48,0	72,1	128,7	30 300	30 300	73,6	127,7	23 800	23 800	48,0
50,0	71,2	128,0	29 900	29 900	72,7	127,0	23 300	23 300	50,0
52,0	70,3	127,2	29 600	29 600	71,7	126,2	22 800	22 800	52,0
54,0	69,4	126,3	29 200	29 200	70,8	125,3	22 300	22 300	54,0
56,0	68,4	125,5	28 800	28 800	69,9	124,4	21 900	21 900	56,0
58,0	67,5	124,6	28 500	28 500	68,9	123,5	21 400	21 400	58,0
60,0	66,5	123,6	27 800	27 800	68,0	122,6	21 000	21 000	60,0
62,0	65,6	122,6	27 100	27 100	67,0	121,6	20 600	20 600	62,0
64,0	64,6	121,6	26 500	26 500	66,0	120,5	20 200	20 200	64,0
66,0	63,6	120,5	25 900	25 900	65,0	119,4	19 900	19 900	66,0
68,0	62,7	119,4	25 300	25 300	64,0	118,3	19 500	19 500	68,0
70,0	61,7	118,2	24 700	24 700	63,0	117,1	19 100	19 100	70,0
74,0	59,7	115,8	23 700	23 700	61,0	114,6	18 500	18 500	74,0
78,0	57,6	113,1	22 700	22 700	58,9	111,9	17 900	17 900	78,0
82,0	55,5	110,2	21 800	21 800	56,8	109,0	17 400	17 400	82,0
86,0	53,3	107,1	21 000	21 000	54,6	105,8	16 800	16 800	86,0
90,0	51,1	103,7	20 300	20 300	52,3	102,4	16 400	16 400	90,0
94,0	48,8	100,0	19 200	19 600	50,0	98,7	15 900	15 900	94,0
98,0	46,3	96,0	16 100	18 900	47,5	94,7	15 500	15 500	98,0
102,0	43,8	91,7	13 100	18 300	45,0	90,3	14 100	15 100	102,0
106,0	41,2	86,9	10 300	17 800	42,3	85,4	11 200	14 800	106,0
110,0	38,3	81,7	7 700	17 200	39,4	80,1	8 500	14 500	110,0
114,0	35,3	75,8	5 300	16 800	36,3	74,1	6 000	14 200	114,0
118,0	32,0	69,3		16 300	32,9	67,3	3 500	14 000	118,0
122,0	28,3	61,6		15 900	29,1	59,5		13 700	122,0
126,0	24,1	52,6		15 600					126,0

MLC650 VPC-MAX S-3

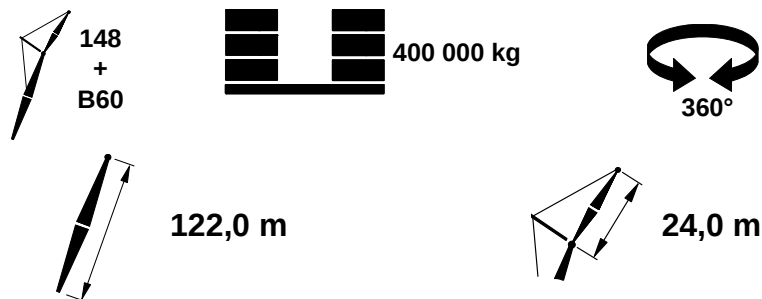
ASME B30.5



	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
24,4	82,9	141,2	35 700	35 700						24,4
26,0	82,2	140,9	35 300	35 300						26,0
28,0	81,4	140,5	34 800	34 800						28,0
30,0	80,6	140,1	34 300	34 300						30,0
32,0	79,7	139,7	33 900	33 900	82,0	139,2	30 100	30 100		32,0
34,0	78,9	139,2	33 400	33 400	81,2	138,7	29 400	29 400		34,0
36,0	78,0	138,7	32 900	32 900	80,4	138,3	28 700	28 700		36,0
38,0	77,2	138,2	32 500	32 500	79,5	137,8	27 900	27 900		38,0
40,0	76,4	137,7	32 100	32 100	78,6	137,2	27 200	27 200		40,0
42,0	75,5	137,1	31 700	31 700	77,8	136,7	26 600	26 600		42,0
					76,9	136,1	26 000	26 000		
44,0	74,6	136,5	31 300	31 300	76,1	135,5	25 300	25 300		44,0
46,0	73,8	135,8	30 900	30 900	75,2	134,8	24 800	24 800		46,0
48,0	72,9	135,1	30 500	30 500	74,3	134,1	24 200	24 200		48,0
50,0	72,0	134,4	30 100	30 100	73,5	133,4	23 700	23 700		50,0
52,0	71,2	133,6	29 700	29 700	72,6	132,6	23 200	23 200		52,0
54,0	70,3	132,8	29 400	29 400	71,7	131,8	22 700	22 700		54,0
56,0	69,4	132,0	29 000	29 000	70,8	131,0	22 300	22 300		56,0
58,0	68,5	131,2	28 700	28 700	69,9	130,1	21 800	21 800		58,0
60,0	67,6	130,3	28 300	28 300	69,0	129,2	21 400	21 400		60,0
62,0	66,7	129,3	27 800	27 800	68,1	128,3	21 000	21 000		62,0
64,0	65,8	128,3	27 200	27 200	67,2	127,3	20 600	20 600		64,0
66,0	64,9	127,3	26 600	26 600	66,2	126,2	20 200	20 200		66,0
68,0	64,0	126,3	26 000	26 000	65,3	125,2	19 900	19 900		68,0
70,0	63,0	125,2	25 400	25 400	64,3	124,1	19 600	19 600		70,0
74,0	61,1	122,8	24 300	24 300	62,4	121,7	18 900	18 900		74,0
78,0	59,2	120,3	23 400	23 400	60,5	119,2	18 300	18 300		78,0
82,0	57,2	117,6	22 500	22 500	58,5	116,4	17 700	17 700		82,0
86,0	55,2	114,7	21 600	21 600	56,4	113,5	17 200	17 200		86,0
90,0	53,1	111,5	20 900	20 900	54,3	110,3	16 700	16 700		90,0
94,0	50,9	108,1	19 100	20 200	52,2	106,9	16 300	16 300		94,0
98,0	48,7	104,5	15 900	19 500	49,9	103,2	15 900	15 900		98,0
102,0	46,4	100,5	12 900	18 900	47,6	99,2	14 000	15 500		102,0
106,0	44,0	96,2	10 100	18 300	45,1	94,8	11 100	15 100		106,0
110,0	41,5	91,5	7 600	17 800	42,6	90,0	8 400	14 800		110,0
114,0	38,8	86,4	5 200	17 300	39,8	84,8	5 900	14 500		114,0
118,0	36,0	80,7		16 800	36,9	79,0	3 500	14 200		118,0
122,0	32,9	74,3		16 400	33,8	72,4		14 000		122,0
126,0	29,5	67,1		16 000	30,3	65,0		13 800		126,0
130,0	25,7	58,6		15 600						130,0
134,0	21,1	48,2		15 400						134,0

MLC650 VPC-MAX S-3

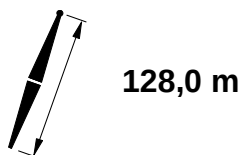
ASME B30.5



	10°				20°				
	m	°	m	kg	kg	°	m	kg	m
25,9	82,6	147,0	35 200	35 200					25,9
26,0	82,6	147,0	35 200	35 200					26,0
28,0	81,8	146,6	34 700	34 700					28,0
30,0	81,0	146,3	34 200	34 200	82,4	145,3	30 100	30 100	30,0
32,0	80,2	145,8	33 800	33 800	81,6	144,9	29 800	29 800	32,0
34,0	79,4	145,4	33 400	33 400	80,8	144,4	29 000	29 000	34,0
36,0	78,6	144,9	32 900	32 900	79,9	143,9	28 300	28 300	36,0
38,0	77,7	144,4	32 500	32 500	79,1	143,4	27 600	27 600	38,0
40,0	76,9	143,9	32 100	32 100	78,3	142,9	27 000	27 000	40,0
42,0	76,1	143,3	31 700	31 700	77,5	142,3	26 300	26 300	42,0
44,0	75,3	142,7	31 300	31 300	76,7	141,7	25 800	25 800	44,0
46,0	74,5	142,1	31 000	31 000	75,8	141,1	25 200	25 200	46,0
48,0	73,6	141,5	30 600	30 600	75,0	140,4	24 600	24 600	48,0
50,0	72,8	140,8	30 200	30 200	74,2	139,8	24 100	24 100	50,0
52,0	72,0	140,0	29 900	29 900	73,3	139,0	23 600	23 600	52,0
54,0	71,1	139,3	29 500	29 500	72,5	138,3	23 200	23 200	54,0
56,0	70,3	138,5	29 200	29 200	71,6	137,5	22 700	22 700	56,0
58,0	69,5	137,7	28 900	28 900	70,8	136,6	22 200	22 200	58,0
60,0	68,6	136,8	28 500	28 500	69,9	135,8	21 800	21 800	60,0
62,0	67,7	135,9	28 200	28 200	69,0	134,9	21 400	21 400	62,0
64,0	66,9	135,0	27 900	27 900	68,2	133,9	21 000	21 000	64,0
66,0	66,0	134,0	27 300	27 300	67,3	133,0	20 700	20 700	66,0
68,0	65,1	133,0	26 700	26 700	66,4	132,0	20 300	20 300	68,0
70,0	64,2	132,0	26 100	26 100	65,5	130,9	20 000	20 000	70,0
74,0	62,4	129,8	25 100	25 100	63,7	128,7	19 300	19 300	74,0
78,0	60,6	127,4	24 100	24 100	61,9	126,3	18 700	18 700	78,0
82,0	58,8	124,9	23 200	23 200	60,0	123,7	18 100	18 100	82,0
86,0	56,8	122,1	22 300	22 300	58,1	120,9	17 600	17 600	86,0
90,0	54,9	119,2	20 300	21 500	56,1	118,0	17 200	17 200	90,0
94,0	52,9	116,0	16 800	20 800	54,1	114,8	16 700	16 700	94,0
98,0	50,8	112,6	13 600	20 100	52,0	111,3	14 900	16 300	98,0
102,0	48,7	109,0	10 600	19 500	49,8	107,6	11 800	15 900	102,0
106,0	46,5	105,0	7 800	18 900	47,6	103,6	8 900	15 500	106,0
110,0	44,2	100,7	5 300	18 300	45,3	99,3	6 300	15 200	110,0
114,0	41,8	96,1		17 800	42,8	94,6	3 800	14 800	114,0
118,0	39,3	91,0		17 300	40,2	89,4		14 600	118,0
122,0	36,6	85,5		16 900	37,5	83,8		14 300	122,0
126,0	33,7	79,3		16 500	34,5	77,5		14 100	126,0
130,0	30,5	72,3		16 100	31,3	70,3		13 900	130,0
134,0	27,0	64,3		15 800	27,7	62,0		13 700	134,0
138,0	23,0	54,8		15 500					138,0

MLC650 VPC-MAX S-3

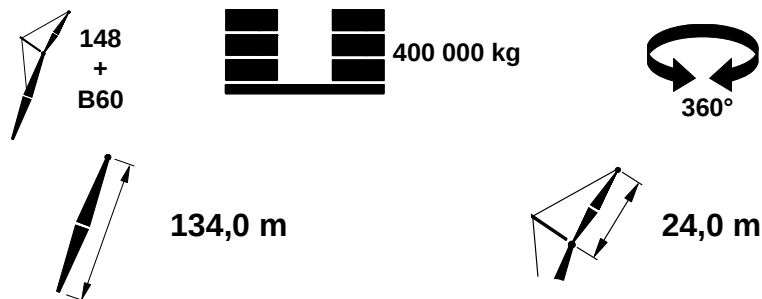
ASME B30.5

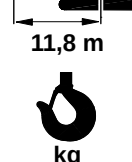
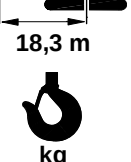
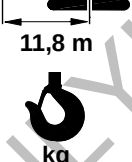


	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
25,9	82,9	153,1	34 900	34 900						25,9
26,0	82,9	153,0	34 900	34 900						26,0
28,0	82,1	152,7	34 400	34 400						28,0
30,0	81,3	152,3	34 000	34 000						30,0
32,0	80,6	151,9	33 600	33 600						32,0
34,0	79,8	151,5	33 200	33 200	81,9	151,0	29 700	29 700		34,0
36,0	79,0	151,1	32 800	32 800	80,4	150,1	28 600	28 600		36,0
38,0	78,2	150,6	32 400	32 400	79,6	149,6	27 900	27 900		38,0
40,0	77,5	150,1	32 000	32 000	78,8	149,1	27 300	27 300		40,0
42,0	76,7	149,5	31 700	31 700	78,0	148,5	26 700	26 700		42,0
44,0	75,9	149,0	31 300	31 300	77,2	148,0	26 100	26 100		44,0
46,0	75,1	148,4	31 000	31 000	76,4	147,4	25 600	25 600		46,0
48,0	74,3	147,7	30 600	30 600	75,6	146,7	25 000	25 000		48,0
50,0	73,5	147,1	30 300	30 300	74,8	146,1	24 500	24 500		50,0
52,0	72,7	146,4	29 900	29 900	74,0	145,4	24 000	24 000		52,0
54,0	71,9	145,7	29 600	29 600	73,2	144,6	23 500	23 500		54,0
56,0	71,1	144,9	29 300	29 300	72,4	143,9	23 100	23 100		56,0
58,0	70,3	144,1	29 000	29 000	71,6	143,1	22 700	22 700		58,0
60,0	69,5	143,3	28 700	28 700	70,8	142,3	22 300	22 300		60,0
62,0	68,7	142,5	28 400	28 400	69,9	141,4	21 900	21 900		62,0
64,0	67,8	141,6	28 100	28 100	69,1	140,5	21 500	21 500		64,0
66,0	67,0	140,7	27 800	27 800	68,3	139,6	21 100	21 100		66,0
68,0	66,2	139,7	27 400	27 400	67,4	138,6	20 700	20 700		68,0
70,0	65,3	138,7	26 900	26 900	66,6	137,6	20 400	20 400		70,0
74,0	63,6	136,6	25 800	25 800	64,9	135,5	19 700	19 700		74,0
78,0	61,9	134,4	24 800	24 800	63,1	133,3	19 100	19 100		78,0
82,0	60,1	132,0	23 900	23 900	61,3	130,8	18 600	18 600		82,0
86,0	58,3	129,4	23 000	23 000	59,5	128,2	18 000	18 000		86,0
90,0	56,5	126,6	19 800	22 200	57,7	125,4	17 500	17 500		90,0
94,0	54,6	123,6	16 300	21 400	55,8	122,4	17 100	17 100		94,0
98,0	52,7	120,5	13 100	20 700	53,8	119,2	14 500	16 600		98,0
102,0	50,7	117,1	10 200	20 100	51,8	115,8	11 500	16 200		102,0
106,0	48,7	113,4	7 400	19 500	49,8	112,1	8 600	15 900		106,0
110,0	46,6	109,5	4 900	18 900	47,6	108,1	5 900	15 500		110,0
114,0	44,4	105,2		18 400	45,4	103,8	3 400	15 200		114,0
118,0	42,1	100,6		17 900	43,1	99,1		14 900		118,0
122,0	39,7	95,7		17 400	40,6	94,1		14 600		122,0
126,0	37,1	90,2		17 000	38,0	88,5		14 300		126,0
130,0	34,4	84,2		16 600	35,2	82,4		14 100		130,0
134,0	31,4	77,5		16 200	32,2	75,5		13 900		134,0
138,0	28,2	69,8		15 900	28,8	67,6		13 800		138,0
142,0	24,5	60,9		15 600						142,0
146,0	20,1	50,1		15 300						146,0

MLC650 VPC-MAX S-3

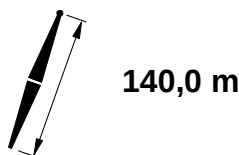
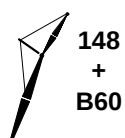
ASME B30.5

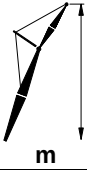
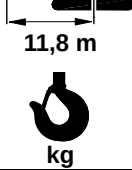
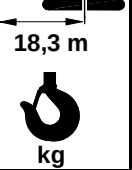
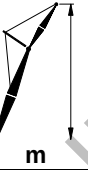
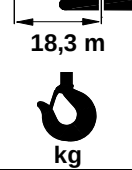


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
27,4	82,6	158,9	34 300	34 300					27,4
28,0	82,4	158,8	34 200	34 200					28,0
30,0	81,7	158,4	33 800	33 800					30,0
32,0	80,9	158,1	33 400	33 400	82,2	157,1	29 500	29 500	32,0
34,0	80,2	157,7	33 000	33 000	81,5	156,7	29 200	29 200	34,0
36,0	79,4	157,2	32 700	32 700	80,7	156,2	28 800	28 800	36,0
38,0	78,7	156,8	32 300	32 300	80,0	155,8	28 200	28 200	38,0
40,0	77,9	156,3	31 900	31 900	79,2	155,3	27 600	27 600	40,0
42,0	77,2	155,8	31 600	31 600	78,5	154,7	27 000	27 000	42,0
44,0	76,4	155,2	31 300	31 300	77,7	154,2	26 400	26 400	44,0
46,0	75,7	154,6	30 900	30 900	77,0	153,6	25 900	25 900	46,0
48,0	74,9	154,0	30 600	30 600	76,2	153,0	25 400	25 400	48,0
50,0	74,2	153,4	30 300	30 300	75,4	152,4	24 900	24 900	50,0
52,0	73,4	152,7	29 900	29 900	74,7	151,7	24 400	24 400	52,0
54,0	72,6	152,1	29 600	29 600	73,9	151,0	23 900	23 900	54,0
56,0	71,9	151,3	29 300	29 300	73,1	150,3	23 500	23 500	56,0
58,0	71,1	150,6	29 100	29 100	72,3	149,5	23 100	23 100	58,0
60,0	70,3	149,8	28 800	28 800	71,5	148,8	22 600	22 600	60,0
62,0	69,5	149,0	28 500	28 500	70,8	147,9	22 200	22 200	62,0
64,0	68,7	148,1	28 200	28 200	70,0	147,1	21 900	21 900	64,0
66,0	68,0	147,3	27 900	27 900	69,2	146,2	21 500	21 500	66,0
68,0	67,2	146,4	27 700	27 700	68,4	145,3	21 100	21 100	68,0
70,0	66,4	145,4	27 400	27 400	67,6	144,3	20 800	20 800	70,0
74,0	64,7	143,4	26 400	26 400	65,9	142,3	20 100	20 100	74,0
78,0	63,1	141,3	25 400	25 400	64,3	140,2	19 500	19 500	78,0
82,0	61,4	139,0	24 500	24 500	62,6	137,8	18 900	18 900	82,0
86,0	59,7	136,5	21 400	23 600	60,9	135,4	18 400	18 400	86,0
90,0	58,0	133,9	17 600	22 800	59,1	132,7	17 900	17 900	90,0
94,0	56,2	131,1	14 100	22 100	57,3	129,9	15 700	17 400	94,0
98,0	54,4	128,1	10 800	21 300	55,5	126,9	12 400	17 000	98,0
102,0	52,5	124,9	7 900	20 700	53,6	123,7	9 300	16 600	102,0
106,0	50,6	121,5	5 100	20 000	51,7	120,2	6 400	16 200	106,0
110,0	48,7	117,9		19 500	49,7	116,5	3 700	15 800	110,0
114,0	46,6	114,0		18 900	47,6	112,6		15 500	114,0
118,0	44,5	109,7		18 400	45,5	108,3		15 200	118,0
122,0	42,3	105,2		18 000	43,3	103,7		14 900	122,0
126,0	40,0	100,3		17 500	40,9	98,7		14 600	126,0
130,0	37,6	94,9		17 100	38,5	93,2		14 400	130,0
134,0	35,0	89,1		16 700	35,8	87,3		14 200	134,0
138,0	32,3	82,6		16 300	33,0	80,6		14 000	138,0
142,0	29,2	75,2		15 900	29,9	73,1		13 800	142,0
146,0	25,9	66,9		14 400					146,0
150,0	22,0	56,9		12 700					150,0

MLC650 VPC-MAX S-3

ASME B30.5



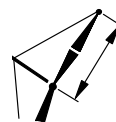
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
27,4	82,9	165,0	33 900	33 900						27,4
28,0	82,7	164,9	33 800	33 800						28,0
30,0	82,0	164,5	33 400	33 400						30,0
32,0	81,3	164,2	33 100	33 100						32,0
34,0	80,5	163,8	32 700	32 700						34,0
36,0	79,8	163,4	32 400	32 400	82,5	163,2	29 200	29 200		36,0
38,0	79,1	162,9	32 100	32 100	81,8	162,8	29 000	29 000		38,0
40,0	78,4	162,4	31 700	31 700	81,1	162,4	28 800	28 800		40,0
42,0	77,7	162,0	31 400	31 400	80,4	161,9	28 500	28 500		42,0
44,0	77,0	161,4	31 100	31 100	79,6	161,4	28 000	28 000		44,0
46,0	76,2	160,9	30 800	30 800	78,9	160,9	27 400	27 400		46,0
48,0	75,5	160,3	30 400	30 400	78,2	160,4	26 800	26 800		48,0
50,0	74,8	159,7	30 200	30 200	77,5	159,9	26 300	26 300		50,0
52,0	74,0	159,1	29 800	29 800	76,7	159,3	25 700	25 700		52,0
54,0	73,3	158,4	29 600	29 600	76,0	158,7	25 200	25 200		54,0
56,0	72,6	157,7	29 300	29 300	75,2	158,0	24 700	24 700		56,0
58,0	71,8	157,0	29 000	29 000	74,5	157,4	24 300	24 300		58,0
60,0	71,1	156,2	28 700	28 700	73,8	156,7	23 800	23 800		60,0
62,0	70,3	155,5	28 500	28 500	73,0	155,9	23 400	23 400		62,0
64,0	69,6	154,7	28 200	28 200	72,3	155,2	23 000	23 000		64,0
66,0	68,8	153,8	27 900	27 900	71,5	154,4	22 600	22 600		66,0
68,0	68,0	152,9	27 700	27 700	70,7	153,6	22 200	22 200		68,0
70,0	67,3	152,0	27 100	27 100	70,0	152,7	21 800	21 800		70,0
74,0	65,7	150,1	26 900	26 900	69,2	151,9	21 500	21 500		74,0
78,0	64,2	148,1	26 000	26 000	68,4	151,0	21 100	21 100		78,0
82,0	62,6	145,9	24 800	25 000	66,9	149,0	20 500	20 500		82,0
86,0	61,0	143,6	20 900	24 200	65,3	147,0	19 900	19 900		86,0
90,0	59,3	141,1	17 000	23 300	63,7	144,8	19 300	19 300		90,0
94,0	57,6	138,5	13 500	22 600	62,1	142,4	18 800	18 800		94,0
98,0	55,9	135,6	10 300	21 900	60,4	139,9	18 200	18 300		98,0
102,0	54,2	132,6	7 300	21 200	58,7	137,3	15 200	17 800		102,0
106,0	52,4	129,4	4 600	20 600	57,0	134,4	11 900	17 300		106,0
110,0	50,5	126,0		20 000	55,2	131,4	8 800	16 900		110,0
114,0	48,6	122,3		19 400	53,4	128,1	6 000	16 500		114,0
118,0	46,7	118,4		18 900	51,6	124,7		16 200		118,0
122,0	44,7	114,3		18 400	49,6	121,0		15 800		122,0
126,0	42,6	109,8		18 000	47,7	117,0		15 500		126,0
130,0	40,4	104,9		17 500	45,6	112,8		15 200		130,0
134,0	38,1	99,6		17 100	43,5	108,2		14 900		134,0
138,0	35,6	93,9		16 800	41,2	103,3		14 700		138,0
142,0	33,0	87,6		15 800	38,9	98,0		14 400		142,0
146,0	30,2	80,5		14 000	36,4	92,1		14 200		146,0
150,0	27,0	72,6		12 300	33,7	85,7		14 000		150,0
154,0	23,5	63,3		10 400	30,8	78,4		13 800		154,0
158,0	19,3	51,9		8 400						158,0

MLC650 VPC-MAX S-3

ASME B30.5



44,0 m

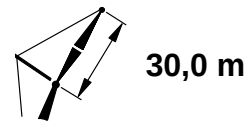
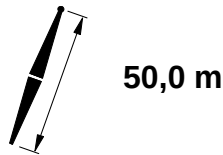


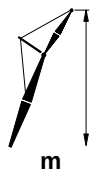
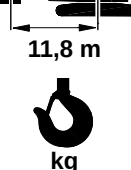
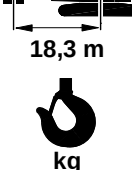
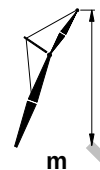
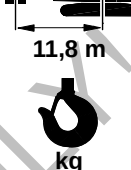
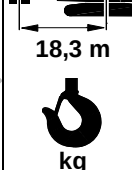
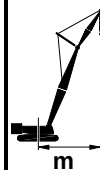
30,0 m

	10°					20°				
	m	°	m	kg	kg	m	kg	kg	m	m
16,8	82,9	75,6	30 000b	30 000b					16,8	
18,0	81,9	75,4	29 400b	29 400b					18,0	
20,0	80,3	74,9	28 500b	28 500b					20,0	
22,0	78,7	74,4	27 500	27 500	82,2	73,6	24 200b	24 200b	22,0	
24,0	77,1	73,7	26 700	26 700	80,6	73,0	23 400	23 400	24,0	
26,0	75,4	73,1	25 700	25 700	79,0	72,3	22 700	22 700	26,0	
28,0	73,8	72,3	24 800	24 800	77,3	71,5	21 600	21 600	28,0	
30,0	72,1	71,6	23 900	23 900	75,6	70,7	20 500	20 500	30,0	
32,0	70,4	70,7	23 100	23 100	73,9	69,9	19 500	19 500	32,0	
34,0	68,7	69,7	22 300	22 300	72,2	68,9	18 600	18 600	34,0	
36,0	67,0	68,7	21 600	21 600	70,4	67,9	17 800	17 800	36,0	
38,0	65,2	67,6	20 900	20 900	68,6	66,8	17 000	17 000	38,0	
40,0	63,4	66,5	20 300	20 300	66,8	65,6	16 300	16 300	40,0	
42,0	61,6	65,2	19 600	19 600	65,0	64,3	15 700	15 700	42,0	
44,0	59,8	63,9	19 000	19 000	63,1	62,9	15 100	15 100	44,0	
46,0	57,8	62,4	18 200	18 200	61,1	61,5	14 500	14 500	46,0	
48,0	55,9	60,9	17 500	17 500	59,1	59,9	14 000	14 000	48,0	
50,0	53,9	59,2	16 800	16 800	57,1	58,2	13 600	13 600	50,0	
52,0	51,8	57,4	16 200	16 200	55,0	56,4	13 100	13 100	52,0	
54,0	49,6	55,5	15 500	15 500	52,8	54,4	12 700	12 700	54,0	
56,0	47,4	53,4	15 000	15 000	50,5	52,3	12 300	12 300	56,0	
58,0	45,1	51,1	14 500	14 500	48,1	49,9	11 900	11 900	58,0	
60,0	42,6	48,7	14 000	14 000	45,6	47,4	11 600	11 600	60,0	
62,0	40,0	46,0	13 500	13 500	42,9	44,7	11 300	11 300	62,0	
64,0	37,3	43,0	13 100	13 100	40,1	41,6	11 000	11 000	64,0	
66,0	34,3	39,7	12 700	12 700	36,9	38,1	10 800	10 800	66,0	
68,0	31,0	35,9	12 300	12 300	33,5	34,2	10 500	10 500	68,0	
70,0	27,2	31,5	12 000	12 000	29,5	29,5	10 300	10 300	70,0	

MLC650 VPC-MAX S-3

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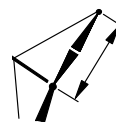
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
18,3	82,3	81,4	29 600	29 600						18,3
20,0	81,0	81,0	28 800	28 800						20,0
22,0	79,5	80,5	28 000	28 000						22,0
24,0	78,1	80,0	27 100	27 100	81,3	79,1	23 700	23 700		24,0
26,0	76,6	79,4	26 300	26 300	79,8	78,5	23 000	23 000		26,0
28,0	75,1	78,7	25 500	25 500	78,3	77,8	22 200	22 200		28,0
30,0	73,5	78,0	24 600	24 600	76,8	77,1	21 200	21 200		30,0
32,0	72,0	77,2	23 800	23 800	75,2	76,3	20 200	20 200		32,0
34,0	70,4	76,3	23 100	23 100	73,6	75,4	19 300	19 300		34,0
36,0	68,9	75,4	22 400	22 400	72,0	74,5	18 500	18 500		36,0
38,0	67,3	74,4	21 700	21 700	70,4	73,5	17 800	17 800		38,0
40,0	65,6	73,3	21 000	21 000	68,8	72,4	17 100	17 100		40,0
42,0	64,0	72,2	20 400	20 400	67,1	71,3	16 400	16 400		42,0
44,0	62,3	71,0	19 800	19 800	65,4	70,1	15 800	15 800		44,0
46,0	60,6	69,7	19 300	19 300	63,7	68,7	15 300	15 300		46,0
48,0	58,9	68,3	18 700	18 700	61,9	67,3	14 800	14 800		48,0
50,0	57,1	66,9	18 000	18 000	60,1	65,8	14 300	14 300		50,0
52,0	55,3	65,3	17 300	17 300	58,3	64,2	13 800	13 800		52,0
54,0	53,4	63,6	16 700	16 700	56,4	62,5	13 400	13 400		54,0
56,0	51,5	61,8	16 100	16 100	54,4	60,7	13 000	13 000		56,0
58,0	49,5	59,9	15 500	15 500	52,4	58,8	12 600	12 600		58,0
60,0	47,5	57,8	15 000	15 000	50,3	56,6	12 300	12 300		60,0
62,0	45,3	55,6	14 500	14 500	48,1	54,4	11 900	11 900		62,0
64,0	43,1	53,2	14 100	14 100	45,8	51,9	11 700	11 700		64,0
66,0	40,7	50,6	13 600	13 600	43,4	49,2	11 400	11 400		66,0
68,0	38,3	47,8	13 200	13 200	40,8	46,3	11 100	11 100		68,0
70,0	35,6	44,6	12 900	12 900	38,1	43,1	10 800	10 800		70,0
74,0	29,5	37,2	12 200	12 200	31,7	35,2	10 400	10 400		74,0
78,0	21,6	26,9	11 600	11 600						78,0

MLC650 VPC-MAX S-3

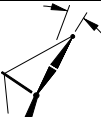
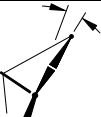
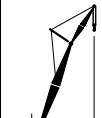
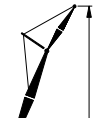
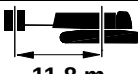
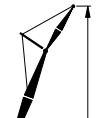
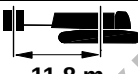
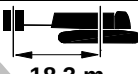
ASME B30.5



56,0 m

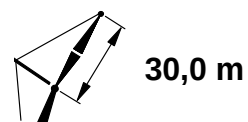
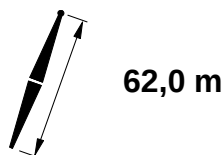
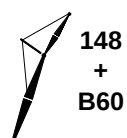


30,0 m

	 10°				 20°					
				 11,8 m  kg	 18,3 m  kg			 11,8 m  kg		 18,3 m  kg
m	°	m	kg	kg	°	m	kg	kg	m	
18,3	82,8	87,5	29 800	29 800						18,3
20,0	81,7	87,2	29 100	29 100						20,0
22,0	80,3	86,7	28 400	28 400						22,0
24,0	78,9	86,2	27 600	27 600	82,0	85,3	24 000	24 000		24,0
26,0	77,5	85,6	26 800	26 800	80,6	84,8	23 300	23 300		26,0
28,0	76,1	85,0	26 000	26 000	79,2	84,1	22 700	22 700		28,0
30,0	74,7	84,3	25 200	25 200	77,7	83,4	21 800	21 800		30,0
32,0	73,3	83,6	24 500	24 500	76,3	82,7	20 900	20 900		32,0
34,0	71,9	82,8	23 700	23 700	74,9	81,9	20 000	20 000		34,0
36,0	70,4	82,0	23 000	23 000	73,4	81,1	19 200	19 200		36,0
38,0	69,0	81,1	22 400	22 400	71,9	80,1	18 500	18 500		38,0
40,0	67,5	80,1	21 800	21 800	70,4	79,2	17 800	17 800		40,0
42,0	66,0	79,1	21 200	21 200	68,9	78,1	17 100	17 100		42,0
44,0	64,5	78,0	20 600	20 600	67,4	77,0	16 500	16 500		44,0
46,0	62,9	76,8	20 100	20 100	65,8	75,8	16 000	16 000		46,0
48,0	61,4	75,6	19 500	19 500	64,2	74,6	15 400	15 400		48,0
50,0	59,8	74,2	19 000	19 000	62,6	73,2	15 000	15 000		50,0
52,0	58,2	72,8	18 400	18 400	61,0	71,8	14 500	14 500		52,0
54,0	56,5	71,3	17 700	17 700	59,3	70,3	14 100	14 100		54,0
56,0	54,8	69,7	17 100	17 100	57,5	68,7	13 700	13 700		56,0
58,0	53,1	68,1	16 500	16 500	55,8	67,0	13 300	13 300		58,0
60,0	51,3	66,3	16 000	16 000	53,9	65,1	12 900	12 900		60,0
62,0	49,4	64,4	15 500	15 500	52,1	63,2	12 600	12 600		62,0
64,0	47,5	62,3	15 000	15 000	50,1	61,1	12 200	12 200		64,0
66,0	45,5	60,1	14 600	14 600	48,1	58,9	11 900	11 900		66,0
68,0	43,5	57,8	14 100	14 100	46,0	56,5	11 700	11 700		68,0
70,0	41,3	55,3	13 800	13 800	43,8	53,9	11 400	11 400		70,0
74,0	36,7	49,5	13 000	13 000	39,0	48,0	10 900	10 900		74,0
78,0	31,4	42,6	12 400	12 400	33,5	40,7	10 500	10 500		78,0
82,0	24,8	33,6	11 800	11 800	26,5	31,2	10 200	10 200		82,0

MLC650 VPC-MAX S-3

ASME B30.5



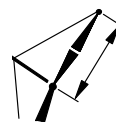
	10°					20°				
19,8	82,3	93,3	29 400	29 400						19,8
20,0	82,2	93,3	29 400	29 400						20,0
22,0	80,9	92,9	28 600	28 600						22,0
24,0	79,7	92,4	27 900	27 900						24,0
26,0	78,4	91,9	27 200	27 200						26,0
28,0	77,1	91,3	26 500	26 500	81,2	91,0	23 600	23 600		28,0
30,0	75,8	90,7	25 800	25 800	79,9	90,4	23 000	23 000		30,0
32,0	74,5	90,0	25 000	25 000	78,6	89,7	22 300	22 300		32,0
34,0	73,1	89,3	24 300	24 300	77,3	89,1	21 500	21 500		34,0
36,0	71,8	88,5	23 700	23 700	75,9	88,3	20 600	20 600		36,0
38,0	70,5	87,6	23 000	23 000	74,6	87,5	19 800	19 800		38,0
40,0	69,1	86,7	22 400	22 400	73,2	86,7	19 100	19 100		40,0
42,0	67,7	85,8	21 800	21 800	71,8	85,8	18 400	18 400		42,0
44,0	66,3	84,8	21 300	21 300	70,4	84,8	17 800	17 800		44,0
46,0	64,9	83,7	20 700	20 700	69,0	83,8	17 200	17 200		46,0
48,0	63,5	82,6	20 200	20 200	67,6	82,7	16 600	16 600		48,0
50,0	62,0	81,4	19 700	19 700	66,1	81,6	16 100	16 100		50,0
52,0	60,5	80,1	19 200	19 200	64,7	80,4	15 600	15 600		52,0
54,0	59,0	78,8	18 700	18 700	63,2	79,1	15 100	15 100		54,0
56,0	57,5	77,3	18 100	18 100	61,7	77,7	14 700	14 700		56,0
58,0	56,0	75,8	17 500	17 500	60,1	76,2	14 300	14 300		58,0
60,0	54,4	74,2	17 000	17 000	58,5	74,7	13 900	13 900		60,0
62,0	52,7	72,5	16 400	16 400	56,9	73,1	13 500	13 500		62,0
64,0	51,1	70,7	15 900	15 900	55,2	71,4	13 200	13 200		64,0
66,0	49,3	68,8	15 500	15 500	53,5	69,5	12 800	12 800		66,0
68,0	47,6	66,8	15 000	15 000	51,8	67,6	12 500	12 500		68,0
70,0	45,7	64,6	14 600	14 600	50,0	65,5	12 200	12 200		70,0
74,0	41,9	59,9	13 900	13 900	48,1	63,3	11 900	11 900		74,0
78,0	37,6	54,4	13 200	13 200	44,2	58,5	11 400	11 400		78,0
82,0	32,8	47,8	12 500	12 500	39,8	52,8	11 000	11 000		82,0
86,0	27,2	39,7	12 000	12 000	34,8	46,0	10 600	10 600		86,0
					28,9	37,5	10 300	10 300		

MLC650 VPC-MAX S-3

ASME B30.5



68,0 m

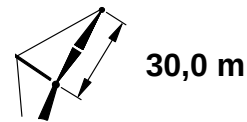
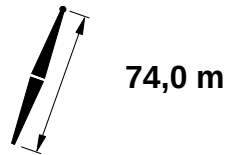


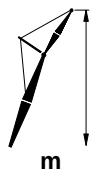
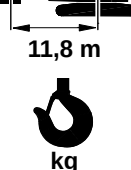
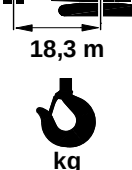
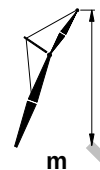
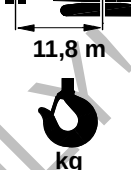
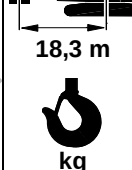
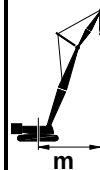
30,0 m

	10°				20°				
	m	°	m	kg	kg	m	kg	kg	m
19,8	82,8	99,5	29 600	29 600					19,8
20,0	82,7	99,4	29 500	29 500					20,0
22,0	81,5	99,0	28 800	28 800					22,0
24,0	80,3	98,6	28 100	28 100					24,0
26,0	79,1	98,1	27 500	27 500					26,0
28,0	77,9	97,5	26 800	26 800	81,8	97,1	23 800	23 800	28,0
30,0	76,7	96,9	26 200	26 200	79,3	96,0	22 700	22 700	30,0
32,0	75,5	96,3	25 500	25 500	78,1	95,4	22 000	22 000	32,0
34,0	74,2	95,6	24 800	24 800	76,8	94,7	21 200	21 200	34,0
36,0	73,0	94,9	24 200	24 200	75,6	93,9	20 400	20 400	36,0
38,0	71,7	94,1	23 600	23 600	74,3	93,2	19 700	19 700	38,0
40,0	70,5	93,3	23 000	23 000	73,0	92,3	19 000	19 000	40,0
42,0	69,2	92,4	22 400	22 400	71,7	91,4	18 400	18 400	42,0
44,0	67,9	91,5	21 800	21 800	70,4	90,5	17 800	17 800	44,0
46,0	66,6	90,5	21 300	21 300	69,1	89,5	17 200	17 200	46,0
48,0	65,3	89,5	20 800	20 800	67,8	88,4	16 700	16 700	48,0
50,0	63,9	88,3	20 400	20 400	66,4	87,3	16 200	16 200	50,0
52,0	62,6	87,2	19 900	19 900	65,1	86,1	15 700	15 700	52,0
54,0	61,2	85,9	19 400	19 400	63,7	84,9	15 300	15 300	54,0
56,0	59,8	84,6	19 000	19 000	62,3	83,6	14 800	14 800	56,0
58,0	58,4	83,3	18 400	18 400	60,8	82,2	14 500	14 500	58,0
60,0	56,9	81,8	17 900	17 900	59,4	80,7	14 100	14 100	60,0
62,0	55,5	80,3	17 300	17 300	57,9	79,2	13 700	13 700	62,0
64,0	54,0	78,7	16 800	16 800	56,4	77,5	13 400	13 400	64,0
66,0	52,4	77,0	16 300	16 300	54,8	75,8	13 100	13 100	66,0
68,0	50,9	75,2	15 900	15 900	53,2	74,0	12 800	12 800	68,0
70,0	49,3	73,3	15 400	15 400	51,6	72,0	12 500	12 500	70,0
74,0	45,9	69,2	14 600	14 600	48,1	67,8	11 900	11 900	74,0
78,0	42,3	64,5	13 900	13 900	44,5	63,0	11 500	11 500	78,0
82,0	38,4	59,1	13 300	13 300	40,4	57,6	11 100	11 100	82,0
86,0	34,1	52,9	12 700	12 700	36,0	51,1	10 700	10 700	86,0
90,0	29,1	45,4	12 100	12 100	30,8	43,3	10 400	10 400	90,0
94,0	23,0	35,7	11 700	11 700					94,0

MLC650 VPC-MAX S-3

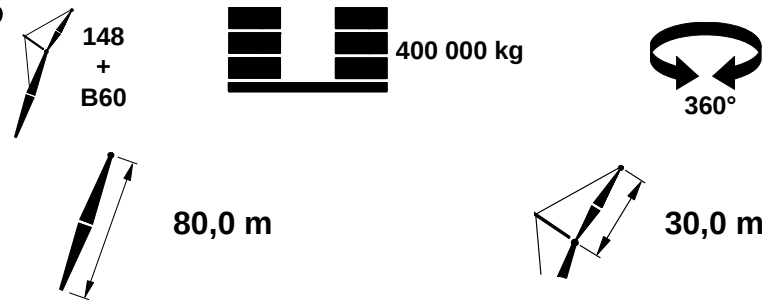
ASME B30.5

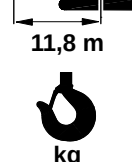
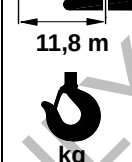
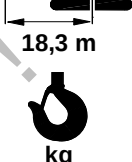


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
21,3	82,4	105,3	29 200	29 200						21,3
22,0	82,0	105,1	29 000	29 000						22,0
24,0	80,9	104,7	28 300	28 300						24,0
26,0	79,8	104,2	27 700	27 700						26,0
28,0	78,6	103,7	27 100	27 100	82,3	103,3	24 000	24 000		28,0
30,0	77,5	103,2	26 500	26 500	81,1	102,8	23 500	23 500		30,0
32,0	76,3	102,6	25 900	25 900	80,0	102,2	22 900	22 900		32,0
34,0	75,2	102,0	25 300	25 300	78,8	101,6	22 400	22 400		34,0
36,0	74,0	101,3	24 700	24 700	77,6	101,0	21 700	21 700		36,0
38,0	72,8	100,6	24 100	24 100	76,5	100,3	20 900	20 900		38,0
40,0	71,7	99,8	23 500	23 500	75,3	99,6	20 200	20 200		40,0
42,0	70,5	99,0	22 900	22 900	74,1	98,8	19 600	19 600		42,0
44,0	69,3	98,1	22 400	22 400	72,9	98,0	18 900	18 900		44,0
46,0	68,1	97,2	21 900	21 900	71,7	97,1	18 300	18 300		46,0
48,0	66,8	96,2	21 400	21 400	70,5	96,2	17 800	17 800		48,0
50,0	65,6	95,2	20 900	20 900	69,2	95,2	17 200	17 200		50,0
52,0	64,3	94,1	20 500	20 500	68,0	94,1	16 800	16 800		52,0
54,0	63,1	93,0	20 000	20 000	66,7	93,0	16 300	16 300		54,0
56,0	61,8	91,8	19 600	19 600	65,4	91,9	15 800	15 800		56,0
58,0	60,5	90,5	19 200	19 200	64,1	90,7	15 400	15 400		58,0
60,0	59,2	89,2	18 800	18 800	62,8	89,4	15 000	15 000		60,0
62,0	57,8	87,8	18 200	18 200	61,5	88,1	14 600	14 600		62,0
64,0	56,5	86,3	17 700	17 700	60,1	86,6	14 300	14 300		64,0
66,0	55,1	84,8	17 200	17 200	58,7	85,2	13 900	13 900		66,0
68,0	53,6	83,2	16 700	16 700	57,3	83,6	13 600	13 600		68,0
70,0	52,2	81,4	16 300	16 300	55,9	82,0	13 300	13 300		70,0
74,0	49,2	77,8	15 400	15 400	54,4	80,2	13 000	13 000		74,0
78,0	46,0	73,7	14 700	14 700	51,4	76,5	12 500	12 500		78,0
82,0	42,7	69,1	14 000	14 000	48,1	72,3	12 000	12 000		82,0
86,0	39,1	63,9	13 400	13 400	44,7	67,6	11 500	11 500		86,0
90,0	35,1	57,9	12 800	12 800	41,0	62,3	11 100	11 100		90,0
94,0	30,6	50,8	12 300	12 300	36,9	56,1	10 800	10 800		94,0
98,0	25,3	42,1	11 900	11 900	32,3	48,8	10 500	10 500		98,0
102,0	18,4	30,1	11 500	11 500						102,0

MLC650 VPC-MAX S-3

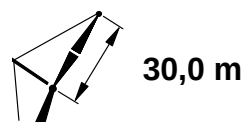
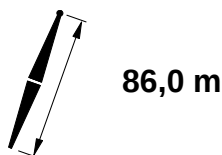
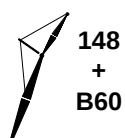
ASME B30.5

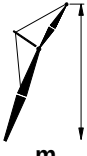
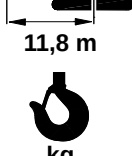
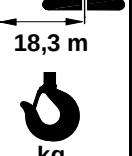
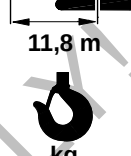
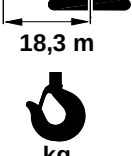


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
21,3	82,8	111,4	29 300	29 300					21,3
22,0	82,5	111,2	29 100	29 100					22,0
24,0	81,4	110,8	28 500	28 500					24,0
26,0	80,3	110,4	27 900	27 900	82,7	109,4	24 100	24 100	26,0
28,0	79,3	109,9	27 400	27 400	81,6	109,0	23 600	23 600	28,0
30,0	78,2	109,4	26 800	26 800	80,5	108,4	23 100	23 100	30,0
32,0	77,1	108,8	26 200	26 200	79,5	107,9	22 700	22 700	32,0
34,0	76,0	108,3	25 700	25 700	78,4	107,3	22 100	22 100	34,0
36,0	74,9	107,6	25 100	25 100	77,3	106,6	21 400	21 400	36,0
38,0	73,8	106,9	24 500	24 500	76,1	105,9	20 700	20 700	38,0
40,0	72,7	106,2	23 900	23 900	75,0	105,2	20 100	20 100	40,0
42,0	71,6	105,4	23 400	23 400	73,9	104,4	19 400	19 400	42,0
44,0	70,5	104,6	22 900	22 900	72,8	103,6	18 800	18 800	44,0
46,0	69,3	103,8	22 400	22 400	71,6	102,7	18 300	18 300	46,0
48,0	68,2	102,9	21 900	21 900	70,5	101,8	17 800	17 800	48,0
50,0	67,0	101,9	21 400	21 400	69,3	100,9	17 300	17 300	50,0
52,0	65,9	100,9	21 000	21 000	68,1	99,8	16 800	16 800	52,0
54,0	64,7	99,8	20 600	20 600	66,9	98,8	16 400	16 400	54,0
56,0	63,5	98,7	20 200	20 200	65,7	97,6	15 900	15 900	56,0
58,0	62,3	97,6	19 700	19 700	64,5	96,5	15 500	15 500	58,0
60,0	61,1	96,3	19 300	19 300	63,3	95,2	15 200	15 200	60,0
62,0	59,8	95,0	19 000	19 000	62,0	93,9	14 800	14 800	62,0
64,0	58,6	93,7	18 500	18 500	60,7	92,6	14 500	14 500	64,0
66,0	57,3	92,3	18 000	18 000	59,4	91,1	14 100	14 100	66,0
68,0	56,0	90,8	17 500	17 500	58,1	89,6	13 800	13 800	68,0
70,0	54,7	89,3	17 100	17 100	56,8	88,0	13 500	13 500	70,0
74,0	52,0	85,9	16 200	16 200	54,0	84,7	12 900	12 900	74,0
78,0	49,1	82,2	15 400	15 400	51,2	80,9	12 400	12 400	78,0
82,0	46,2	78,2	14 700	14 700	48,1	76,8	12 000	12 000	82,0
86,0	43,0	73,6	14 100	14 100	44,9	72,2	11 500	11 500	86,0
90,0	39,7	68,5	13 500	13 500	41,5	66,9	11 200	11 200	90,0
94,0	36,0	62,8	12 900	12 900	37,7	61,0	10 800	10 800	94,0
98,0	31,9	56,0	12 400	12 400	33,5	54,1	10 500	10 500	98,0
102,0	27,2	48,0	12 000	12 000	28,6	45,6	10 300	10 300	102,0
106,0	21,5	37,7	11 600	11 600					106,0

MLC650 VPC-MAX S-3

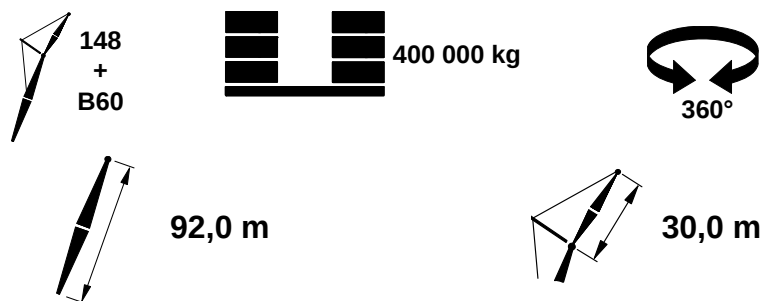
ASME B30.5

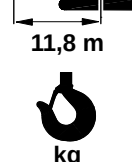
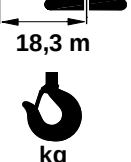
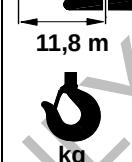
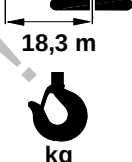


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
22,9	82,4	117,2	28 900	28 900						22,9
24,0	81,8	117,0	28 600	28 600						24,0
26,0	80,8	116,5	28 100	28 100						26,0
28,0	79,8	116,1	27 500	27 500	82,1	115,1	23 800	23 800		28,0
30,0	78,8	115,6	27 000	27 000	81,1	114,6	23 300	23 300		30,0
32,0	77,8	115,1	26 500	26 500	80,0	114,1	22 800	22 800		32,0
34,0	76,8	114,5	26 000	26 000	79,0	113,5	22 400	22 400		34,0
36,0	75,7	113,9	25 500	25 500	77,9	112,9	21 900	21 900		36,0
38,0	74,7	113,3	24 900	24 900	76,9	112,3	21 200	21 200		38,0
40,0	73,6	112,6	24 400	24 400	75,8	111,6	20 600	20 600		40,0
42,0	72,6	111,9	23 800	23 800	74,8	110,8	19 900	19 900		42,0
44,0	71,5	111,1	23 300	23 300	73,7	110,1	19 300	19 300		44,0
46,0	70,5	110,3	22 800	22 800	72,6	109,2	18 800	18 800		46,0
48,0	69,4	109,4	22 400	22 400	71,6	108,4	18 300	18 300		48,0
50,0	68,3	108,5	21 900	21 900	70,5	107,5	17 800	17 800		50,0
52,0	67,2	107,6	21 500	21 500	69,4	106,5	17 300	17 300		52,0
54,0	66,1	106,6	21 100	21 100	68,2	105,5	16 900	16 900		54,0
56,0	65,0	105,6	20 700	20 700	67,1	104,5	16 400	16 400		56,0
58,0	63,9	104,5	20 300	20 300	66,0	103,4	16 000	16 000		58,0
60,0	62,7	103,3	19 900	19 900	64,8	102,2	15 600	15 600		60,0
62,0	61,6	102,1	19 500	19 500	63,7	101,0	15 300	15 300		62,0
64,0	60,4	100,9	19 100	19 100	62,5	99,8	14 900	14 900		64,0
66,0	59,3	99,6	18 800	18 800	61,3	98,4	14 600	14 600		66,0
68,0	58,1	98,2	18 300	18 300	60,1	97,0	14 300	14 300		68,0
70,0	56,8	96,8	17 900	17 900	58,9	95,6	14 000	14 000		70,0
74,0	54,4	93,7	17 000	17 000	56,3	92,5	13 400	13 400		74,0
78,0	51,8	90,4	16 200	16 200	53,7	89,1	12 900	12 900		78,0
82,0	49,1	86,7	15 400	15 400	51,0	85,4	12 400	12 400		82,0
86,0	46,3	82,7	14 800	14 800	48,1	81,3	12 000	12 000		86,0
90,0	43,3	78,2	14 100	14 100	45,1	76,7	11 600	11 600		90,0
94,0	40,2	73,2	13 600	13 600	41,9	71,6	11 200	11 200		94,0
98,0	36,8	67,6	13 100	13 100	38,4	65,8	10 900	10 900		98,0
102,0	33,0	61,2	12 600	12 600	34,6	59,2	10 600	10 600		102,0
106,0	28,8	53,6	12 100	12 100	30,2	51,4	10 400	10 400		106,0
110,0	23,8	44,3	11 800	11 800						110,0
114,0	17,2	31,6	11 500	11 500						114,0

MLC650 VPC-MAX S-3

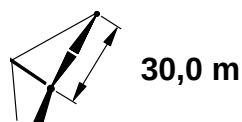
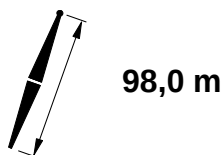
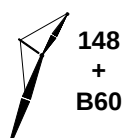
ASME B30.5



	10°					20°					
											
	m	°	m	kg	kg	°	m	kg	kg	m	
22,9	82,8	123,3	29 000	29 000						22,9	
24,0	82,2	123,0	28 700	28 700						24,0	
26,0	81,3	122,6	28 200	28 200						26,0	
28,0	80,3	122,2	27 700	27 700		82,5	121,2	23 900	23 900	28,0	
30,0	79,4	121,7	27 200	27 200		81,5	120,7	23 400	23 400	30,0	
32,0	78,4	121,2	26 700	26 700		80,5	120,2	23 000	23 000	32,0	
34,0	77,4	120,7	26 200	26 200		79,5	119,7	22 600	22 600	34,0	
36,0	76,4	120,1	25 700	25 700		78,6	119,1	22 200	22 200	36,0	
38,0	75,5	119,5	25 300	25 300		77,6	118,5	21 600	21 600	38,0	
40,0	74,5	118,9	24 700	24 700		76,6	117,9	21 000	21 000	40,0	
42,0	73,5	118,2	24 200	24 200		75,6	117,2	20 400	20 400	42,0	
44,0	72,5	117,5	23 700	23 700		74,6	116,4	19 800	19 800	44,0	
46,0	71,5	116,7	23 200	23 200		73,5	115,7	19 300	19 300	46,0	
48,0	70,5	115,9	22 800	22 800		72,5	114,9	18 700	18 700	48,0	
50,0	69,5	115,1	22 400	22 400		71,5	114,0	18 200	18 200	50,0	
52,0	68,4	114,2	21 900	21 900		70,5	113,1	17 800	17 800	52,0	
54,0	67,4	113,3	21 500	21 500		69,4	112,2	17 300	17 300	54,0	
56,0	66,3	112,3	21 100	21 100		68,4	111,2	16 900	16 900	56,0	
58,0	65,3	111,3	20 700	20 700		67,3	110,2	16 500	16 500	58,0	
60,0	64,2	110,2	20 300	20 300		66,2	109,1	16 100	16 100	60,0	
62,0	63,1	109,1	20 000	20 000		65,1	107,9	15 800	15 800	62,0	
64,0	62,1	107,9	19 600	19 600		64,0	106,8	15 400	15 400	64,0	
66,0	61,0	106,7	19 300	19 300		62,9	105,5	15 100	15 100	66,0	
68,0	59,8	105,4	18 900	18 900		61,8	104,3	14 700	14 700	68,0	
70,0	58,7	104,1	18 600	18 600		60,7	102,9	14 500	14 500	70,0	
74,0	56,4	101,3	17 700	17 700		58,3	100,0	13 900	13 900	74,0	
78,0	54,0	98,2	16 900	16 900		55,9	96,9	13 300	13 300	78,0	
82,0	51,6	94,8	16 100	16 100		53,4	93,5	12 800	12 800	82,0	
86,0	49,0	91,1	15 400	15 400		50,8	89,8	12 400	12 400	86,0	
90,0	46,4	87,1	14 800	14 800		48,1	85,7	12 000	12 000	90,0	
94,0	43,6	82,7	14 200	14 200		45,3	81,2	11 600	11 600	94,0	
98,0	40,6	77,8	13 700	13 700		42,3	76,2	11 300	11 300	98,0	
102,0	37,4	72,3	13 200	13 200		39,0	70,6	10 900	10 900	102,0	
106,0	34,0	66,1	12 700	12 700		35,4	64,2	10 700	10 700	106,0	
110,0	30,1	58,9	12 300	12 300		31,4	56,8	10 400	10 400	110,0	
114,0	25,7	50,4	10 700	11 900		26,8	47,8	10 200	10 200	114,0	
118,0	20,2	39,4	8 300	11 600						118,0	

MLC650 VPC-MAX S-3

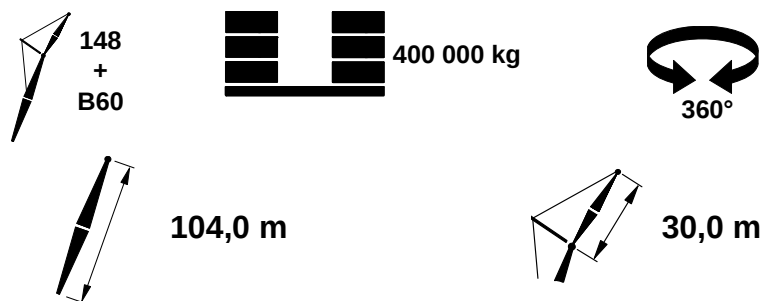
ASME B30.5

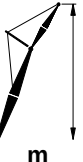
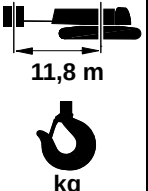
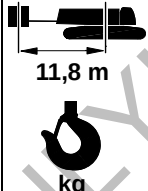
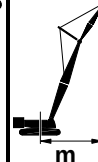


	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
24,4	82,4	129,1	28 600	28 600						24,4
26,0	81,7	128,8	28 200	28 200						26,0
28,0	80,8	128,3	27 700	27 700						28,0
30,0	79,9	127,9	27 300	27 300						30,0
32,0	79,0	127,4	26 800	26 800	81,9	126,9	23 500	23 500		32,0
34,0	78,0	126,9	26 400	26 400	81,0	126,4	23 100	23 100		34,0
36,0	77,1	126,4	25 900	25 900	80,1	125,9	22 700	22 700		36,0
38,0	76,2	125,8	25 500	25 500	79,1	125,4	22 300	22 300		38,0
40,0	75,2	125,2	25 000	25 000	78,2	124,8	21 900	21 900		40,0
42,0	74,3	124,5	24 600	24 600	77,2	124,2	21 400	21 400		42,0
44,0	73,3	123,9	24 100	24 100	76,3	123,5	20 800	20 800		44,0
46,0	72,4	123,1	23 600	23 600	75,3	122,8	20 300	20 300		46,0
48,0	71,4	122,4	23 200	23 200	74,4	122,1	19 700	19 700		48,0
50,0	70,5	121,6	22 800	22 800	73,4	121,3	19 200	19 200		50,0
52,0	69,5	120,7	22 300	22 300	72,4	120,5	18 700	18 700		52,0
54,0	68,5	119,9	21 900	21 900	71,5	119,7	18 300	18 300		54,0
56,0	67,5	118,9	21 500	21 500	70,5	118,8	17 800	17 800		56,0
58,0	66,5	118,0	21 200	21 200	69,5	117,8	17 400	17 400		58,0
60,0	65,5	117,0	20 800	20 800	68,5	116,9	17 000	17 000		60,0
62,0	64,5	115,9	20 400	20 400	67,5	115,9	16 600	16 600		62,0
64,0	63,5	114,8	20 100	20 100	66,4	114,8	16 200	16 200		64,0
66,0	62,5	113,7	19 700	19 700	65,4	113,7	15 900	15 900		66,0
68,0	61,4	112,5	19 400	19 400	64,4	112,5	15 500	15 500		68,0
70,0	60,4	111,3	19 100	19 100	63,3	111,3	15 200	15 200		70,0
74,0	58,2	108,6	18 400	18 400	62,2	110,1	14 900	14 900		74,0
78,0	56,0	105,8	17 600	17 600	60,1	107,4	14 300	14 300		78,0
82,0	53,8	102,6	16 800	16 800	57,8	104,5	13 800	13 800		82,0
86,0	51,4	99,3	16 100	16 100	55,6	101,4	13 300	13 300		86,0
90,0	49,0	95,6	15 500	15 500	53,2	98,0	12 800	12 800		90,0
94,0	46,5	91,6	14 900	14 900	50,7	94,2	12 400	12 400		94,0
98,0	43,8	87,2	14 300	14 300	48,1	90,2	12 000	12 000		98,0
102,0	41,0	82,4	13 800	13 800	45,4	85,7	11 600	11 600		102,0
106,0	38,0	77,1	13 200	13 300	42,6	80,8	11 300	11 300		106,0
110,0	34,8	71,1	11 000	12 800	39,5	75,3	11 000	11 000		110,0
114,0	31,2	64,2	8 600	12 400	36,2	69,2	10 700	10 700		114,0
118,0	27,2	56,2	6 400	12 000	32,5	62,1	9 300	10 500		118,0
122,0	22,5	46,3	4 200	11 700	28,4	53,8	6 900	10 300		122,0

MLC650 VPC-MAX S-3

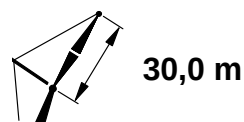
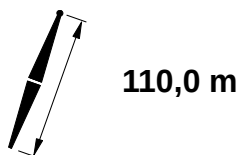
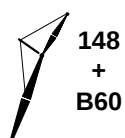
ASME B30.5

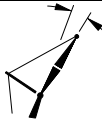
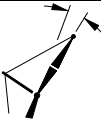
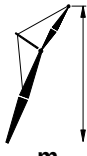
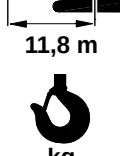
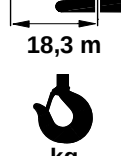
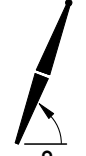
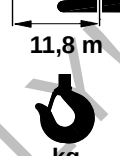


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
24,4	82,8	135,2	28 600	28 600					24,4
26,0	82,1	134,9	28 200	28 200					26,0
28,0	81,2	134,5	27 800	27 800					28,0
30,0	80,3	134,1	27 400	27 400	82,3	133,0	23 600	23 600	30,0
32,0	79,5	133,6	26 900	26 900	81,4	132,6	23 200	23 200	32,0
34,0	78,6	133,1	26 500	26 500	80,5	132,1	22 800	22 800	34,0
36,0	77,7	132,6	26 100	26 100	79,6	131,6	22 500	22 500	36,0
38,0	76,8	132,1	25 700	25 700	78,7	131,0	22 100	22 100	38,0
40,0	75,9	131,5	25 300	25 300	77,8	130,4	21 700	21 700	40,0
42,0	75,0	130,9	24 800	24 800	76,9	129,8	21 200	21 200	42,0
44,0	74,1	130,2	24 400	24 400	76,0	129,1	20 700	20 700	44,0
46,0	73,2	129,5	24 000	24 000	75,1	128,4	20 100	20 100	46,0
48,0	72,3	128,8	23 500	23 500	74,2	127,7	19 600	19 600	48,0
50,0	71,4	128,0	23 100	23 100	73,3	127,0	19 100	19 100	50,0
52,0	70,5	127,2	22 700	22 700	72,3	126,2	18 700	18 700	52,0
54,0	69,5	126,4	22 300	22 300	71,4	125,3	18 200	18 200	54,0
56,0	68,6	125,5	21 900	21 900	70,5	124,4	17 800	17 800	56,0
58,0	67,7	124,6	21 600	21 600	69,5	123,5	17 400	17 400	58,0
60,0	66,7	123,7	21 200	21 200	68,6	122,6	17 000	17 000	60,0
62,0	65,8	122,7	20 800	20 800	67,6	121,6	16 700	16 700	62,0
64,0	64,8	121,7	20 500	20 500	66,6	120,5	16 300	16 300	64,0
66,0	63,8	120,6	20 200	20 200	65,7	119,4	16 000	16 000	66,0
68,0	62,9	119,5	19 800	19 800	64,7	118,3	15 700	15 700	68,0
70,0	61,9	118,3	19 500	19 500	63,7	117,1	15 300	15 300	70,0
74,0	59,9	115,8	18 900	18 900	61,6	114,6	14 800	14 800	74,0
78,0	57,8	113,1	18 300	18 300	59,5	111,9	14 200	14 200	78,0
82,0	55,7	110,3	17 500	17 500	57,4	109,0	13 700	13 700	82,0
86,0	53,5	107,1	16 800	16 800	55,2	105,8	13 200	13 200	86,0
90,0	51,3	103,7	16 100	16 100	52,9	102,4	12 800	12 800	90,0
94,0	49,0	100,1	15 500	15 500	50,6	98,7	12 400	12 400	94,0
98,0	46,6	96,1	14 900	14 900	48,1	94,7	12 000	12 000	98,0
102,0	44,0	91,8	14 400	14 400	45,6	90,2	11 700	11 700	102,0
106,0	41,4	87,0	13 900	13 900	42,9	85,4	11 400	11 400	106,0
110,0	38,6	81,8	12 000	13 400	40,0	80,1	11 100	11 100	110,0
114,0	35,5	75,9	9 600	12 900	36,9	74,1	10 400	10 800	114,0
118,0	32,2	69,4	7 300	12 500	33,5	67,3	8 000	10 600	118,0
122,0	28,6	61,8	5 100	12 200	29,7	59,4	5 700	10 300	122,0
126,0	24,3	52,7		11 800					126,0
130,0	19,1	41,2		11 500					130,0

MLC650 VPC-MAX S-3

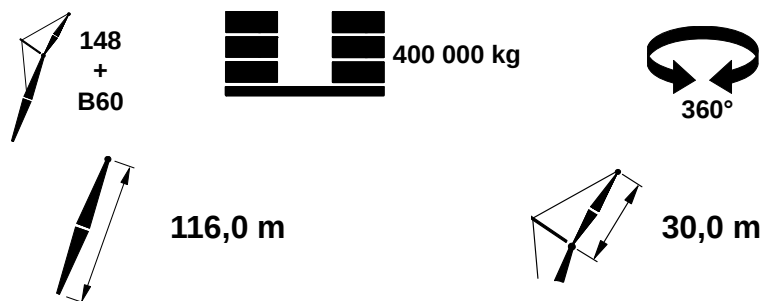
ASME B30.5

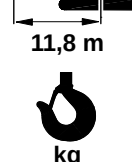
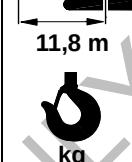
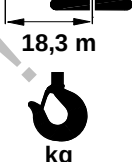


	 10°				 20°					
										
	m	°	m	kg	kg	°	m	kg	kg	m
25,9		82,5	141,0	28 200	28 200					25,9
26,0		82,4	141,0	28 200	28 200					26,0
28,0		81,6	140,6	27 800	27 800					28,0
30,0		80,8	140,2	27 400	27 400					30,0
32,0		79,9	139,8	26 900	26 900					32,0
34,0		79,1	139,3	26 500	26 500	81,8	138,7	23 300	23 300	34,0
36,0		78,2	138,8	26 200	26 200	80,9	138,2	22 900	22 900	36,0
38,0		77,4	138,3	25 800	25 800	80,1	137,7	22 600	22 600	38,0
40,0		76,5	137,7	25 400	25 400	79,2	137,2	22 200	22 200	40,0
42,0		75,7	137,1	25 000	25 000	78,4	136,7	21 900	21 900	42,0
44,0		74,8	136,5	24 600	24 600	77,5	136,1	21 500	21 500	44,0
46,0		74,0	135,9	24 200	24 200	76,7	135,4	21 000	21 000	46,0
48,0		73,1	135,2	23 700	23 700	75,8	134,8	20 500	20 500	48,0
50,0		72,2	134,4	23 300	23 300	74,9	134,1	20 000	20 000	50,0
52,0		71,4	133,7	23 000	23 000	74,0	133,4	19 500	19 500	52,0
54,0		70,5	132,9	22 600	22 600	73,2	132,6	19 000	19 000	54,0
56,0		69,6	132,1	22 200	22 200	72,3	131,8	18 600	18 600	56,0
58,0		68,7	131,2	21 800	21 800	71,4	131,0	18 200	18 200	58,0
60,0		67,8	130,3	21 500	21 500	70,5	130,1	17 800	17 800	60,0
62,0		66,9	129,4	21 100	21 100	69,6	129,2	17 400	17 400	62,0
64,0		66,0	128,4	20 800	20 800	68,7	128,2	17 000	17 000	64,0
66,0		65,1	127,4	20 500	20 500	67,7	127,3	16 700	16 700	66,0
68,0		64,1	126,3	20 200	20 200	66,8	126,2	16 300	16 300	68,0
70,0		63,2	125,2	19 800	19 800	65,9	125,2	16 000	16 000	70,0
74,0		61,3	122,9	19 200	19 200	64,9	124,1	15 700	15 700	74,0
78,0		59,4	120,4	18 700	18 700	63,0	121,7	15 100	15 100	78,0
82,0		57,4	117,7	18 000	18 000	61,1	119,2	14 500	14 500	82,0
86,0		55,4	114,8	17 300	17 300	59,1	116,4	14 000	14 000	86,0
90,0		53,3	111,6	16 600	16 600	57,0	113,5	13 500	13 500	90,0
94,0		51,1	108,2	16 000	16 000	54,9	110,3	13 100	13 100	94,0
98,0		48,9	104,6	15 400	15 400	52,7	106,9	12 700	12 700	98,0
102,0		46,6	100,6	14 800	14 800	50,5	103,2	12 300	12 300	102,0
106,0		44,2	96,3	12 300	14 300	48,1	99,1	12 000	12 000	106,0
110,0		41,7	91,6	9 700	13 800	45,7	94,8	11 600	11 600	110,0
114,0		39,0	86,5	7 300	13 400	43,1	90,0	10 900	11 400	114,0
118,0		36,2	80,8	5 100	13 000	40,4	84,7	8 300	11 100	118,0
122,0		33,1	74,4		12 600	37,5	78,9	5 900	10 800	122,0
126,0		29,7	67,2		12 200	34,4	72,4		10 600	126,0
130,0		25,9	58,7		11 900	30,9	64,9		10 400	130,0
134,0		21,4	48,4		11 600					134,0

MLC650 VPC-MAX S-3

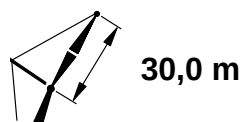
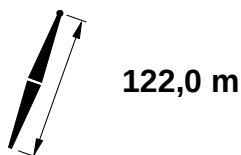
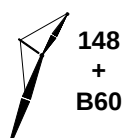
ASME B30.5

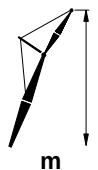
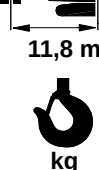
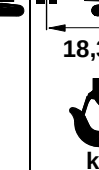
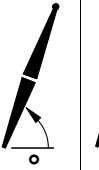
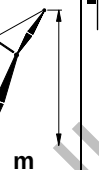
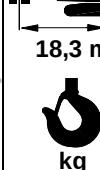


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
25,9	82,8	147,1	28 100	28 100					25,9
26,0	82,7	147,0	28 100	28 100					26,0
28,0	81,9	146,7	27 700	27 700					28,0
30,0	81,1	146,3	27 300	27 300					30,0
32,0	80,3	145,9	26 900	26 900	82,1	144,8	23 300	23 300	32,0
34,0	79,5	145,5	26 500	26 500	81,3	144,4	23 000	23 000	34,0
36,0	78,7	145,0	26 200	26 200	80,5	143,9	22 600	22 600	36,0
38,0	77,9	144,5	25 800	25 800	79,7	143,4	22 300	22 300	38,0
40,0	77,1	143,9	25 500	25 500	78,9	142,9	22 000	22 000	40,0
42,0	76,3	143,4	25 100	25 100	78,1	142,3	21 700	21 700	42,0
44,0	75,5	142,8	24 700	24 700	77,2	141,7	21 300	21 300	44,0
46,0	74,7	142,2	24 400	24 400	76,4	141,1	20 800	20 800	46,0
48,0	73,8	141,5	24 000	24 000	75,6	140,4	20 300	20 300	48,0
50,0	73,0	140,8	23 600	23 600	74,7	139,7	19 800	19 800	50,0
52,0	72,2	140,1	23 200	23 200	73,9	139,0	19 400	19 400	52,0
54,0	71,3	139,4	22 800	22 800	73,0	138,2	18 900	18 900	54,0
56,0	70,5	138,6	22 400	22 400	72,2	137,5	18 500	18 500	56,0
58,0	69,6	137,7	22 100	22 100	71,3	136,6	18 100	18 100	58,0
60,0	68,8	136,9	21 700	21 700	70,5	135,8	17 700	17 700	60,0
62,0	67,9	136,0	21 400	21 400	69,6	134,9	17 400	17 400	62,0
64,0	67,1	135,1	21 100	21 100	68,7	133,9	17 000	17 000	64,0
66,0	66,2	134,1	20 700	20 700	67,9	133,0	16 700	16 700	66,0
68,0	65,3	133,1	20 400	20 400	67,0	131,9	16 300	16 300	68,0
70,0	64,4	132,1	20 100	20 100	66,1	130,9	16 000	16 000	70,0
74,0	62,6	129,8	19 600	19 600	64,3	128,7	15 400	15 400	74,0
78,0	60,8	127,5	19 000	19 000	62,4	126,3	14 900	14 900	78,0
82,0	58,9	124,9	18 500	18 500	60,5	123,7	14 400	14 400	82,0
86,0	57,0	122,2	17 800	17 800	58,6	120,9	13 900	13 900	86,0
90,0	55,1	119,2	17 200	17 200	56,7	117,9	13 400	13 400	90,0
94,0	53,1	116,1	16 500	16 500	54,6	114,8	13 000	13 000	94,0
98,0	51,0	112,7	15 900	15 900	52,5	111,3	12 600	12 600	98,0
102,0	48,9	109,0	14 700	15 300	50,4	107,6	12 300	12 300	102,0
106,0	46,7	105,1	12 000	14 800	48,2	103,6	12 000	12 000	106,0
110,0	44,4	100,8	9 400	14 300	45,8	99,3	10 700	11 700	110,0
114,0	42,0	96,2	7 000	13 900	43,4	94,6	8 200	11 400	114,0
118,0	39,5	91,1	4 800	13 400	40,8	89,4	5 800	11 100	118,0
122,0	36,8	85,6		13 000	38,1	83,7		10 800	122,0
126,0	33,9	79,4		12 700	35,1	77,4		10 600	126,0
130,0	30,7	72,5		12 300	31,9	70,3		10 400	130,0
134,0	27,2	64,5		12 000	28,2	62,0		10 300	134,0
138,0	23,2	55,0		11 700					138,0

MLC650 VPC-MAX S-3

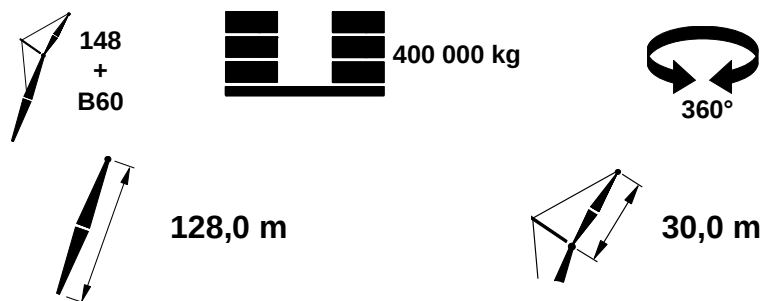
ASME B30.5

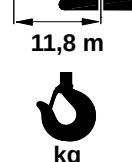
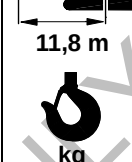
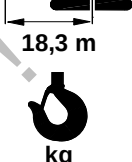


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
27,4	82,5	152,9	27 700	27 700						27,4
28,0	82,3	152,8	27 600	27 600						28,0
30,0	81,5	152,4	27 200	27 200						30,0
32,0	80,7	152,0	26 900	26 900						32,0
34,0	80,0	151,6	26 500	26 500						34,0
36,0	79,2	151,1	26 200	26 200	82,5	151,0	23 300	23 300		36,0
38,0	78,4	150,7	25 800	25 800	81,7	150,5	23 000	23 000		38,0
40,0	77,6	150,2	25 500	25 500	80,9	150,1	22 700	22 700		40,0
42,0	76,9	149,6	25 100	25 100	80,1	149,6	22 400	22 400		42,0
44,0	76,1	149,1	24 800	24 800	79,3	149,1	22 100	22 100		44,0
46,0	75,3	148,5	24 400	24 400	78,5	148,5	21 800	21 800		46,0
48,0	74,5	147,8	24 100	24 100	77,8	148,0	21 400	21 400		48,0
50,0	73,7	147,2	23 800	23 800	77,0	147,4	21 100	21 100		50,0
52,0	72,9	146,5	23 400	23 400	76,2	146,7	20 600	20 600		52,0
54,0	72,1	145,8	23 000	23 000	75,4	146,1	20 200	20 200		54,0
56,0	71,3	145,0	22 700	22 700	74,6	145,4	19 700	19 700		56,0
58,0	70,5	144,2	22 400	22 400	73,8	144,7	19 300	19 300		58,0
60,0	69,7	143,4	22 000	22 000	72,9	143,9	18 900	18 900		60,0
62,0	68,9	142,6	21 700	21 700	72,1	143,1	18 500	18 500		62,0
64,0	68,0	141,7	21 300	21 300	71,3	142,3	18 100	18 100		64,0
66,0	67,2	140,8	21 100	21 100	70,5	141,4	17 700	17 700		66,0
68,0	66,4	139,8	20 700	20 700	69,6	140,5	17 400	17 400		68,0
70,0	65,5	138,8	20 500	20 500	68,8	139,6	17 000	17 000		70,0
74,0	63,8	136,7	19 900	19 900	68,0	138,6	16 700	16 700		74,0
78,0	62,1	134,5	19 300	19 300	67,1	137,6	16 400	16 400		78,0
82,0	60,3	132,1	18 800	18 800	65,4	135,5	15 800	15 800		82,0
86,0	58,5	129,5	18 300	18 300	63,7	133,3	15 200	15 200		86,0
90,0	56,7	126,7	17 700	17 700	61,9	130,8	14 700	14 700		90,0
94,0	54,8	123,7	17 100	17 100	60,1	128,2	14 200	14 200		94,0
98,0	52,9	120,6	15 400	16 400	58,2	125,4	13 800	13 800		98,0
102,0	50,9	117,2	12 500	15 900	56,3	122,4	13 400	13 400		102,0
106,0	48,9	113,5	9 700	15 300	54,4	119,2	13 000	13 000		106,0
110,0	46,8	109,6	7 200	14 800	52,4	115,8	12 600	12 600		110,0
114,0	44,6	105,3	4 800	14 400	50,3	112,1	11 200	12 300		114,0
118,0	42,3	100,8		13 900	48,2	108,1	8 500	12 000		118,0
122,0	39,9	95,8		13 500	45,9	103,8	6 000	11 700		122,0
126,0	37,3	90,3		13 100	43,6	99,1	3 700	11 400		126,0
130,0	34,6	84,3		12 800	41,1	94,1		11 100		130,0
134,0	31,7	77,6		12 400	38,5	88,5		10 900		134,0
138,0	28,4	70,0		12 100	35,8	82,4		10 700		138,0
142,0	24,7	61,2		11 800	32,7	75,5		10 500		142,0
146,0	20,4	50,3		11 600	29,4	67,6		10 300		146,0

MLC650 VPC-MAX S-3

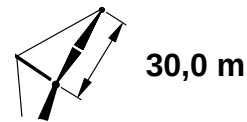
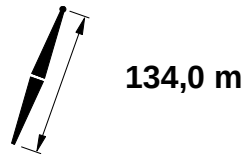
ASME B30.5

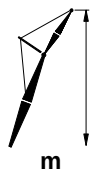
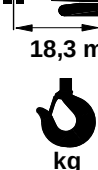
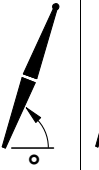
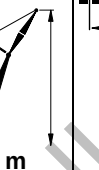
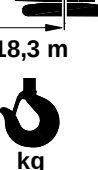


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
27,4	82,8	159,0	27 500	27 500					27,4
28,0	82,6	158,8	27 400	27 400					28,0
30,0	81,8	158,5	27 000	27 000					30,0
32,0	81,1	158,1	26 700	26 700	82,7	157,1	23 300	23 300	32,0
34,0	80,3	157,7	26 400	26 400	82,0	156,6	23 000	23 000	34,0
36,0	79,6	157,3	26 100	26 100	81,2	156,2	22 700	22 700	36,0
38,0	78,9	156,8	25 700	25 700	80,5	155,7	22 400	22 400	38,0
40,0	78,1	156,3	25 400	25 400	79,7	155,2	22 100	22 100	40,0
42,0	77,4	155,8	25 100	25 100	79,0	154,7	21 800	21 800	42,0
44,0	76,6	155,3	24 800	24 800	78,2	154,2	21 500	21 500	44,0
46,0	75,9	154,7	24 500	24 500	77,5	153,6	21 200	21 200	46,0
48,0	75,1	154,1	24 200	24 200	76,7	153,0	20 900	20 900	48,0
50,0	74,3	153,5	23 900	23 900	75,9	152,4	20 500	20 500	50,0
52,0	73,6	152,8	23 500	23 500	75,2	151,7	20 100	20 100	52,0
54,0	72,8	152,1	23 200	23 200	74,4	151,0	19 600	19 600	54,0
56,0	72,0	151,4	22 900	22 900	73,6	150,3	19 200	19 200	56,0
58,0	71,3	150,6	22 500	22 500	72,8	149,5	18 800	18 800	58,0
60,0	70,5	149,9	22 200	22 200	72,1	148,7	18 400	18 400	60,0
62,0	69,7	149,0	21 900	21 900	71,3	147,9	18 100	18 100	62,0
64,0	68,9	148,2	21 600	21 600	70,5	147,1	17 700	17 700	64,0
66,0	68,1	147,3	21 300	21 300	69,7	146,2	17 400	17 400	66,0
68,0	67,3	146,4	21 000	21 000	68,9	145,3	17 000	17 000	68,0
70,0	66,5	145,5	20 700	20 700	68,1	144,3	16 700	16 700	70,0
74,0	64,9	143,5	20 200	20 200	66,4	142,3	16 100	16 100	74,0
78,0	63,3	141,3	19 600	19 600	64,8	140,1	15 600	15 600	78,0
82,0	61,6	139,0	19 100	19 100	63,1	137,8	15 100	15 100	82,0
86,0	59,9	136,6	18 600	18 600	61,4	135,3	14 600	14 600	86,0
90,0	58,1	134,0	18 200	18 200	59,6	132,7	14 100	14 100	90,0
94,0	56,4	131,2	17 600	17 600	57,8	129,9	13 700	13 700	94,0
98,0	54,6	128,2	14 900	17 000	56,0	126,9	13 300	13 300	98,0
102,0	52,7	125,0	12 000	16 400	54,1	123,6	12 900	12 900	102,0
106,0	50,8	121,6	9 200	15 800	52,2	120,2	10 800	12 600	106,0
110,0	48,8	117,9	6 700	15 300	50,2	116,5	8 100	12 300	110,0
114,0	46,8	114,0	4 300	14 800	48,1	112,5	5 600	12 000	114,0
118,0	44,7	109,8		14 400	46,0	108,3		11 700	118,0
122,0	42,5	105,3		14 000	43,8	103,6		11 400	122,0
126,0	40,2	100,4		13 600	41,4	98,7		11 200	126,0
130,0	37,8	95,0		13 200	39,0	93,2		10 900	130,0
134,0	35,2	89,2		12 900	36,3	87,2		10 700	134,0
138,0	32,4	82,7		12 500	33,5	80,5		10 500	138,0
142,0	29,4	75,4		12 200	30,4	73,0		10 400	142,0
146,0	26,1	67,0		11 900	26,9	64,3		10 200	146,0
150,0	22,2	57,0		11 700					150,0

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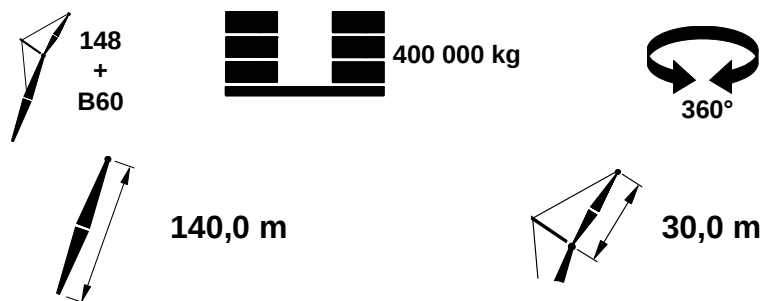
ASME B30.5

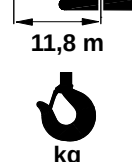
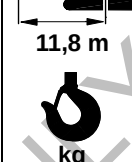
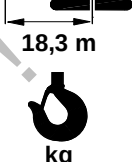


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
29,0	82,5	164,8	27 000	27 000						29,0
30,0	82,1	164,6	26 900	26 900						30,0
32,0	81,4	164,2	26 600	26 600						32,0
34,0	80,7	163,8	26 200	26 200						34,0
36,0	80,0	163,4	25 900	25 900	82,3	162,7	23 000	23 000		36,0
38,0	79,3	163,0	25 600	25 600	81,6	162,3	22 700	22 700		38,0
40,0	78,6	162,5	25 300	25 300	80,9	161,9	22 400	22 400		40,0
42,0	77,8	162,0	25 000	25 000	80,1	161,4	22 100	22 100		42,0
44,0	77,1	161,5	24 800	24 800	79,4	160,9	21 800	21 800		44,0
46,0	76,4	160,9	24 500	24 500	78,7	160,4	21 500	21 500		46,0
48,0	75,7	160,4	24 200	24 200	78,0	159,8	21 300	21 300		48,0
50,0	74,9	159,7	23 900	23 900	77,2	159,2	21 000	21 000		50,0
52,0	74,2	159,1	23 600	23 600	76,5	158,6	20 800	20 800		52,0
54,0	73,5	158,5	23 300	23 300	75,7	158,0	20 300	20 300		54,0
56,0	72,7	157,8	23 000	23 000	75,0	157,3	19 900	19 900		56,0
58,0	72,0	157,0	22 700	22 700	74,3	156,6	19 500	19 500		58,0
60,0	71,2	156,3	22 400	22 400	73,5	155,9	19 100	19 100		60,0
62,0	70,5	155,5	22 100	22 100	72,8	155,2	18 700	18 700		62,0
64,0	69,7	154,7	21 800	21 800	72,0	154,4	18 400	18 400		64,0
66,0	69,0	153,9	21 500	21 500	71,2	153,6	18 000	18 000		66,0
68,0	68,2	153,0	21 200	21 200	70,5	152,7	17 700	17 700		68,0
70,0	67,4	152,1	20 900	20 900	69,7	151,8	17 400	17 400		70,0
72,0	66,6	151,2	20 600	20 600	68,9	150,9	17 100	17 100		72,0
74,0	65,9	150,2	20 400	20 400	68,1	150,0	16 800	16 800		74,0
76,0	65,1	149,3	20 200	20 200	67,4	149,0	16 500	16 500		76,0
78,0	64,3	148,2	19 900	19 900	66,6	148,0	16 200	16 200		78,0
80,0	63,5	147,1	19 600	19 600	65,8	147,0	15 900	15 900		80,0
82,0	62,7	146,0	19 400	19 400	65,0	146,0	15 600	15 600		82,0
84,0	61,9	144,8	19 200	19 200	64,2	144,8	15 400	15 400		84,0
86,0	61,1	143,6	18 900	18 900	63,4	143,6	15 200	15 200		86,0
88,0	60,3	142,4	18 700	18 700	62,6	142,4	14 900	14 900		88,0
90,0	59,5	141,2	18 400	18 500	61,8	141,2	14 700	14 700		90,0
92,0	58,7	140,0	18 200	18 000	61,0	140,0	14 500	14 500		92,0
94,0	57,8	138,5	17 900	17 900	60,2	138,5	14 300	14 300		94,0
96,0	56,9	137,0	17 600	17 500	59,4	137,0	14 100	14 100		96,0
98,0	56,1	135,5	17 300	17 300	58,6	135,5	13 900	13 900		98,0
100,0	55,3	134,0	17 000	17 000	57,8	134,0	13 700	13 700		100,0
102,0	54,5	132,5	16 700	16 900	57,0	132,5	13 500	13 500		102,0
104,0	53,7	131,0	16 400	16 400	56,2	131,0	13 300	13 300		104,0
106,0	52,9	129,5	16 100	16 300	55,4	129,5	13 100	13 100		106,0
108,0	52,1	128,0	15 800	15 800	54,6	128,0	12 900	12 900		108,0
110,0	51,3	126,5	15 500	15 800	53,8	126,5	12 700	12 700		110,0
112,0	50,5	125,0	15 200	15 300	53,0	125,0	12 500	12 500		112,0
114,0	49,7	123,5	14 900	15 300	52,2	123,5	12 300	12 300		114,0
116,0	48,9	122,0	14 600	14 900	51,4	122,0	12 100	12 100		116,0
118,0	48,1	120,5	14 300	14 400	50,6	120,5	11 900	11 900		118,0
120,0	47,3	119,0	14 000	14 400	49,8	119,0	11 700	11 700		120,0
122,0	46,5	117,5	13 700	14 000	49,0	117,5	11 500	11 500		122,0
124,0	45,7	116,0	13 400	13 600	48,2	116,0	11 300	11 300		124,0
126,0	44,9	114,5	13 100	13 600	47,4	114,5	11 100	11 100		126,0
128,0	44,1	113,0	12 800	13 300	46,6	113,0	10 900	10 900		128,0
130,0	43,3	111,5	12 500	13 000	45,8	111,5	10 700	10 700		130,0
132,0	42,5	110,0	12 200	12 700	45,0	110,0	10 500	10 500		132,0
134,0	41,7	108,5	11 900	12 400	44,2	108,5	10 300	10 300		134,0
136,0	40,9	107,0	11 600	12 100	43,4	107,0	10 100	10 100		136,0
138,0	40,1	105,5	11 300	11 800	42,6	105,5	9 900	9 900		138,0
140,0	39,3	104,0	11 000	11 500	41,8	104,0	9 700	9 700		140,0
142,0	38,5	102,5	10 700	11 200	41,0	102,5	9 500	9 500		142,0
144,0	37,7	101,0	10 400	10 900	40,2	101,0	9 300	9 300		144,0
146,0	36,9	99,5	10 100	10 600	39,4	99,5	9 100	9 100		146,0
148,0	36,1	98,0	9 800	10 300	38,6	98,0	8 900	8 900		148,0
150,0	35,3	96,5	9 500	10 000	37,8	96,5	8 700	8 700		150,0
152,0	34,5	95,0	9 200	9 700	37,0	95,0	8 500	8 500		152,0
154,0	33,7	93,5	8 900	9 400	36,2	93,5	8 300	8 300		154,0
156,0	32,9	92,0	8 600	9 100	35,4	92,0	8 100	8 100		156,0
158,0	32,1	90,5	8 300	8 800	34,6	90,5	7 900	7 900		158,0

MLC650 VPC-MAX S-3

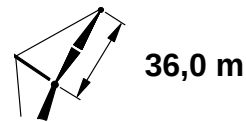
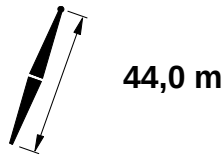
ASME B30.5

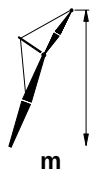
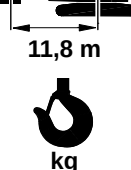
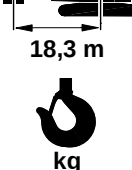
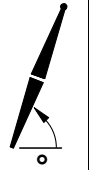
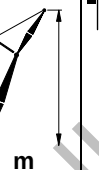
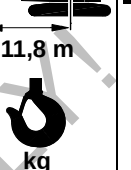
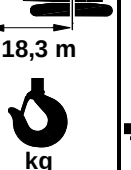
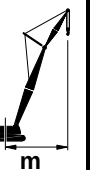


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
29,0	82,8	170,9	26 700	26 700					29,0
30,0	82,4	170,7	26 600	26 600					30,0
32,0	81,7	170,3	26 300	26 300					32,0
34,0	81,0	169,9	26 000	26 000	82,6	168,9	22 900	22 900	34,0
36,0	80,4	169,5	25 700	25 700	81,9	168,5	22 600	22 600	36,0
38,0	79,7	169,1	25 400	25 400	81,2	168,0	22 300	22 300	38,0
40,0	79,0	168,7	25 200	25 200	80,5	167,6	22 000	22 000	40,0
42,0	78,3	168,2	24 900	24 900	79,8	167,1	21 800	21 800	42,0
44,0	77,6	167,7	24 600	24 600	79,1	166,6	21 500	21 500	44,0
46,0	76,9	167,2	24 400	24 400	78,4	166,0	21 300	21 300	46,0
48,0	76,2	166,6	24 100	24 100	77,7	165,5	21 000	21 000	48,0
50,0	75,5	166,0	23 800	23 800	77,0	164,9	20 800	20 800	50,0
52,0	74,8	165,4	23 600	23 600	76,3	164,3	20 600	20 600	52,0
54,0	74,1	164,8	23 300	23 300	75,6	163,6	20 300	20 300	54,0
56,0	73,4	164,1	23 000	23 000	74,8	163,0	19 800	19 800	56,0
58,0	72,6	163,4	22 800	22 800	74,1	162,3	19 400	19 400	58,0
60,0	71,9	162,7	22 500	22 500	73,4	161,6	19 100	19 100	60,0
62,0	71,2	162,0	22 200	22 200	72,7	160,8	18 700	18 700	62,0
64,0	70,5	161,2	21 900	21 900	72,0	160,0	18 300	18 300	64,0
66,0	69,8	160,4	21 600	21 600	71,2	159,2	18 000	18 000	66,0
68,0	69,0	159,5	21 300	21 300	70,5	158,4	17 700	17 700	68,0
70,0	68,3	158,7	21 100	21 100	69,7	157,5	17 400	17 400	70,0
74,0	66,8	156,9	20 500	20 500	68,2	155,7	16 800	16 800	74,0
78,0	65,3	154,9	20 100	20 100	66,7	153,7	16 200	16 200	78,0
82,0	63,8	152,8	19 600	19 600	65,2	151,6	15 700	15 700	82,0
86,0	62,3	150,6	19 100	19 100	63,6	149,4	15 200	15 200	86,0
90,0	60,7	148,2	18 600	18 700	62,1	147,0	14 800	14 800	90,0
94,0	59,1	145,7	15 300	18 300	60,5	144,4	14 300	14 300	94,0
98,0	57,5	143,0	12 100	17 900	58,8	141,7	13 800	13 900	98,0
102,0	55,8	140,2	9 100	17 300	57,2	138,9	11 000	13 500	102,0
106,0	54,1	137,2	6 400	16 800	55,4	135,8	8 100	13 200	106,0
110,0	52,4	134,0	3 800	16 300	53,7	132,6	5 500	12 800	110,0
114,0	50,6	130,5		15 800	51,9	129,1		12 500	114,0
118,0	48,8	126,9		15 300	50,1	125,4		12 200	118,0
122,0	46,9	123,0		14 800	48,2	121,5		11 900	122,0
126,0	45,0	118,8		14 400	46,2	117,3		11 700	126,0
130,0	43,0	114,4		14 000	44,1	112,7		11 400	130,0
134,0	40,8	109,6		13 600	42,0	107,9		11 200	134,0
138,0	38,6	104,4		13 300	39,8	102,6		11 000	138,0
142,0	36,3	98,8		13 000	37,4	96,9		10 800	142,0
146,0	33,8	92,6		12 700	34,9	90,6		10 600	146,0
150,0	31,2	85,8		12 400	32,1	83,6		10 500	150,0
154,0	28,3	78,2		12 000	29,1	75,8		10 300	154,0
158,0	25,0	69,5		10 200					158,0
162,0	21,3	59,1		8 300					162,0
166,0	16,7	46,0		6 400					166,0

MLC650 VPC-MAX S-3

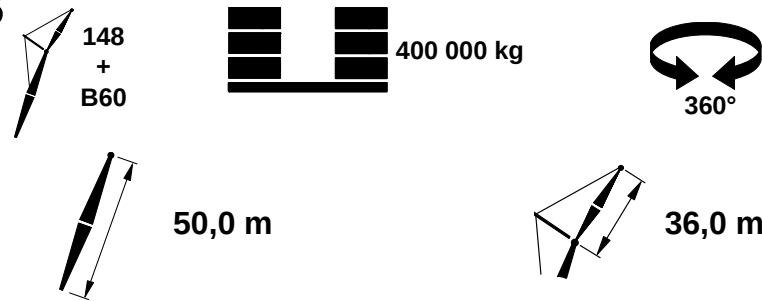
ASME B30.5

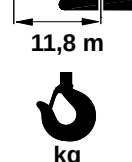
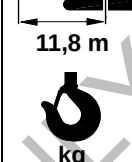
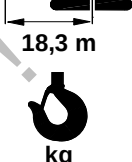


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
19,8	82,3	81,0	22 700b	22 700b						19,8
20,0	82,2	81,0	22 600b	22 600b						20,0
22,0	80,7	80,5	21 800b	21 800b						22,0
24,0	79,2	79,9	20 900	20 900						24,0
26,0	77,7	79,3	20 200	20 200	81,7	78,4	17 600b	17 600b		26,0
28,0	76,2	78,7	19 400	19 400	80,1	77,7	16 900	16 900		28,0
30,0	74,7	77,9	18 700	18 700	78,6	77,0	16 400	16 400		30,0
32,0	73,1	77,1	18 000	18 000	77,0	76,2	15 800	15 800		32,0
34,0	71,6	76,3	17 300	17 300	75,5	75,3	15 300	15 300		34,0
36,0	70,0	75,4	16 700	16 700	73,9	74,4	14 800	14 800		36,0
38,0	68,4	74,4	16 100	16 100	72,2	73,4	14 300	14 300		38,0
40,0	66,8	73,3	15 500	15 500	70,6	72,3	13 700	13 700		40,0
42,0	65,1	72,2	15 000	15 000	68,9	71,1	13 200	13 200		42,0
44,0	63,5	71,0	14 500	14 500	67,2	69,9	12 700	12 700		44,0
46,0	61,8	69,7	14 000	14 000	65,5	68,6	12 200	12 200		46,0
48,0	60,0	68,3	13 500	13 500	63,7	67,2	11 700	11 700		48,0
50,0	58,3	66,8	13 000	13 000	61,9	65,7	11 300	11 300		50,0
52,0	56,4	65,2	12 600	12 600	60,1	64,1	10 900	10 900		52,0
54,0	54,6	63,6	12 200	12 200	58,2	62,4	10 500	10 500		54,0
56,0	52,6	61,8	11 800	11 800	56,2	60,5	10 200	10 200		56,0
58,0	50,7	59,8	11 500	11 500	54,2	58,6	9 900	9 900		58,0
60,0	48,6	57,8	11 100	11 100	52,1	56,5	9 600	9 600		60,0
62,0	46,5	55,6	10 800	10 800	49,9	54,2	9 300	9 300		62,0
64,0	44,2	53,2	10 500	10 500	47,6	51,7	9 000	9 000		64,0
66,0	41,9	50,6	10 200	10 200	45,1	49,0	8 800	8 800		66,0
68,0	39,4	47,7	10 000	10 000	42,6	46,1	8 500	8 500		68,0
70,0	36,7	44,6	9 700	9 700	39,8	42,8	8 300	8 300		70,0
74,0	30,6	37,1	9 300	9 300	33,4	35,0	7 900	7 900		74,0
78,0	22,7	26,8	8 900	8 900						78,0

MLC650 VPC-MAX S-3

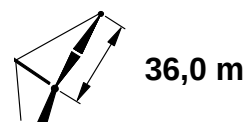
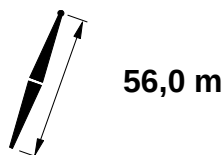
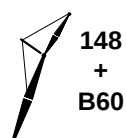
ASME B30.5

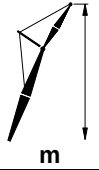
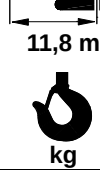
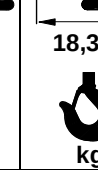
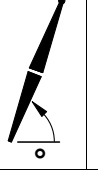
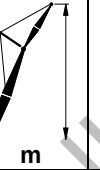
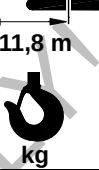


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
19,8	82,9	87,2	22 900	22 900					19,8
20,0	82,7	87,1	22 900	22 900					20,0
22,0	81,4	86,6	22 100	22 100					22,0
24,0	80,0	86,1	21 300	21 300					24,0
26,0	78,6	85,6	20 600	20 600					26,0
28,0	77,2	84,9	19 900	19 900	82,3	84,6	17 800	17 800	28,0
30,0	75,8	84,3	19 200	19 200	79,4	83,3	16 700	16 700	30,0
32,0	74,4	83,5	18 500	18 500	78,0	82,5	16 100	16 100	32,0
34,0	73,0	82,7	17 900	17 900	76,6	81,7	15 600	15 600	34,0
36,0	71,5	81,9	17 300	17 300	75,1	80,9	15 100	15 100	36,0
38,0	70,0	81,0	16 700	16 700	73,6	80,0	14 700	14 700	38,0
40,0	68,6	80,0	16 100	16 100	72,1	79,0	14 200	14 200	40,0
42,0	67,1	79,0	15 600	15 600	70,6	77,9	13 700	13 700	42,0
44,0	65,5	77,9	15 100	15 100	69,0	76,8	13 200	13 200	44,0
46,0	64,0	76,7	14 600	14 600	67,5	75,6	12 700	12 700	46,0
48,0	62,4	75,5	14 200	14 200	65,9	74,3	12 300	12 300	48,0
50,0	60,8	74,1	13 700	13 700	64,3	73,0	11 800	11 800	50,0
52,0	59,2	72,7	13 300	13 300	62,6	71,6	11 500	11 500	52,0
54,0	57,5	71,2	12 900	12 900	60,9	70,1	11 100	11 100	54,0
56,0	55,8	69,7	12 500	12 500	59,2	68,4	10 700	10 700	56,0
58,0	54,1	68,0	12 100	12 100	57,4	66,7	10 400	10 400	58,0
60,0	52,3	66,2	11 800	11 800	55,6	64,9	10 100	10 100	60,0
62,0	50,5	64,3	11 400	11 400	53,7	62,9	9 800	9 800	62,0
64,0	48,5	62,2	11 100	11 100	51,7	60,8	9 500	9 500	64,0
66,0	46,6	60,0	10 800	10 800	49,7	58,6	9 300	9 300	66,0
68,0	44,5	57,7	10 600	10 600	47,6	56,2	9 000	9 000	68,0
70,0	42,4	55,1	10 300	10 300	45,4	53,6	8 800	8 800	70,0
74,0	37,7	49,4	9 800	9 800	40,6	47,6	8 400	8 400	74,0
78,0	32,4	42,4	9 400	9 400	35,0	40,3	8 000	8 000	78,0
82,0	25,8	33,4	9 000	9 000	27,9	30,6	7 800	7 800	82,0

MLC650 VPC-MAX S-3

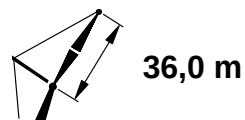
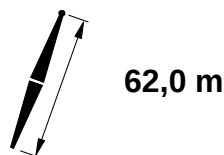
ASME B30.5

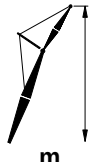
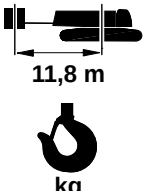
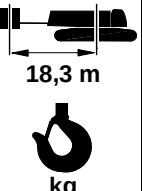
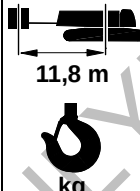
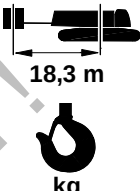


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
21,3	82,4	92,9	22 600	22 600					21,3
22,0	81,9	92,8	22 400	22 400					22,0
24,0	80,7	92,3	21 700	21 700					24,0
26,0	79,4	91,8	21 000	21 000	82,8	90,8	18 000	18 000	26,0
28,0	78,1	91,2	20 300	20 300	81,5	90,2	17 500	17 500	28,0
30,0	76,8	90,6	19 600	19 600	80,2	89,5	16 900	16 900	30,0
32,0	75,5	89,9	19 000	19 000	78,8	88,8	16 400	16 400	32,0
34,0	74,1	89,2	18 400	18 400	77,5	88,1	15 900	15 900	34,0
36,0	72,8	88,4	17 800	17 800	76,1	87,3	15 500	15 500	36,0
38,0	71,4	87,5	17 200	17 200	74,8	86,5	15 000	15 000	38,0
40,0	70,1	86,7	16 700	16 700	73,4	85,6	14 600	14 600	40,0
42,0	68,7	85,7	16 200	16 200	72,0	84,6	14 200	14 200	42,0
44,0	67,3	84,7	15 700	15 700	70,6	83,6	13 700	13 700	44,0
46,0	65,9	83,6	15 200	15 200	69,2	82,5	13 200	13 200	46,0
48,0	64,5	82,5	14 800	14 800	67,7	81,3	12 800	12 800	48,0
50,0	63,0	81,3	14 300	14 300	66,2	80,1	12 300	12 300	50,0
52,0	61,5	80,0	13 900	13 900	64,7	78,8	11 900	11 900	52,0
54,0	60,0	78,7	13 500	13 500	63,2	77,4	11 600	11 600	54,0
56,0	58,5	77,2	13 100	13 100	61,6	76,0	11 200	11 200	56,0
58,0	56,9	75,7	12 700	12 700	60,0	74,5	10 900	10 900	58,0
60,0	55,3	74,1	12 400	12 400	58,4	72,8	10 600	10 600	60,0
62,0	53,7	72,4	12 000	12 000	56,8	71,1	10 300	10 300	62,0
64,0	52,0	70,6	11 700	11 700	55,0	69,3	10 000	10 000	64,0
66,0	50,3	68,7	11 400	11 400	53,3	67,3	9 700	9 700	66,0
68,0	48,5	66,7	11 100	11 100	51,5	65,2	9 500	9 500	68,0
70,0	46,7	64,5	10 800	10 800	49,6	63,0	9 200	9 200	70,0
74,0	42,8	59,7	10 300	10 300	45,6	58,1	8 800	8 800	74,0
78,0	38,6	54,2	9 900	9 900	41,2	52,4	8 400	8 400	78,0
82,0	33,8	47,6	9 500	9 500	36,2	45,6	8 100	8 100	82,0
86,0	28,1	39,5	9 100	9 100	30,2	36,9	7 800	7 800	86,0

MLC650 VPC-MAX S-3

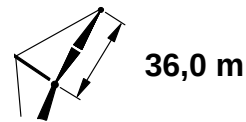
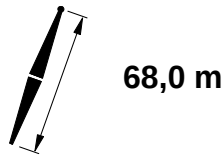
ASME B30.5

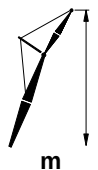
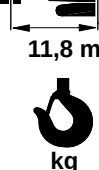
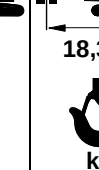
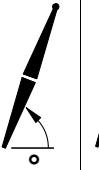
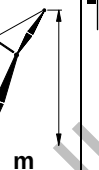
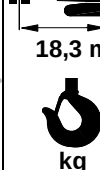


	10°				20°					
										
	m	°	m	kg	kg	°	m	kg	kg	m
21,3	82,8	99,1	22 800	22 800						21,3
22,0	82,4	98,9	22 600	22 600						22,0
24,0	81,2	98,5	21 900	21 900						24,0
26,0	80,0	98,0	21 300	21 300						26,0
28,0	78,8	97,4	20 600	20 600						28,0
30,0	77,6	96,8	20 000	20 000	82,0	96,4	17 700	17 700		30,0
32,0	76,4	96,2	19 400	19 400	79,6	95,1	16 700	16 700		32,0
34,0	75,2	95,5	18 800	18 800	78,3	94,4	16 200	16 200		34,0
36,0	73,9	94,8	18 300	18 300	77,1	93,7	15 800	15 800		36,0
38,0	72,7	94,0	17 700	17 700	75,8	92,9	15 300	15 300		38,0
40,0	71,4	93,2	17 200	17 200	74,5	92,1	14 900	14 900		40,0
42,0	70,1	92,3	16 700	16 700	73,2	91,2	14 500	14 500		42,0
44,0	68,8	91,4	16 200	16 200	71,9	90,2	14 100	14 100		44,0
46,0	67,5	90,4	15 700	15 700	70,6	89,2	13 700	13 700		46,0
48,0	66,2	89,3	15 300	15 300	69,2	88,2	13 200	13 200		48,0
50,0	64,9	88,2	14 800	14 800	67,9	87,1	12 800	12 800		50,0
52,0	63,5	87,1	14 500	14 500	66,5	85,9	12 400	12 400		52,0
54,0	62,1	85,8	14 100	14 100	65,1	84,6	12 000	12 000		54,0
56,0	60,7	84,5	13 600	13 600	63,7	83,3	11 700	11 700		56,0
58,0	59,3	83,2	13 300	13 300	62,3	81,9	11 400	11 400		58,0
60,0	57,9	81,7	12 900	12 900	60,8	80,4	11 000	11 000		60,0
62,0	56,4	80,2	12 600	12 600	59,3	78,9	10 700	10 700		62,0
64,0	54,9	78,6	12 300	12 300	57,8	77,2	10 500	10 500		64,0
66,0	53,4	76,9	12 000	12 000	56,2	75,5	10 200	10 200		66,0
68,0	51,8	75,1	11 700	11 700	54,6	73,7	9 900	9 900		68,0
70,0	50,2	73,2	11 400	11 400	52,9	71,7	9 700	9 700		70,0
74,0	46,8	69,0	10 900	10 900	49,5	67,5	9 200	9 200		74,0
78,0	43,2	64,3	10 400	10 400	45,8	62,7	8 800	8 800		78,0
82,0	39,3	59,0	9 900	9 900	41,8	57,2	8 500	8 500		82,0
86,0	34,9	52,7	9 600	9 600	37,3	50,7	8 200	8 200		86,0
90,0	29,9	45,2	9 200	9 200	32,0	42,7	7 900	7 900		90,0
94,0	23,8	35,4	9 000	9 000						94,0

MLC650 VPC-MAX S-3

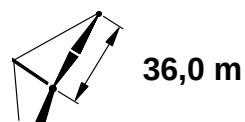
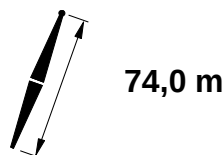
ASME B30.5



	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
22,9	82,4	104,8	22 500	22 500						22,9
24,0	81,8	104,6	22 100	22 100						24,0
26,0	80,6	104,1	21 500	21 500						26,0
28,0	79,5	103,6	20 900	20 900						28,0
30,0	78,4	103,1	20 300	20 300						30,0
32,0	77,2	102,5	19 800	19 800	82,5	102,5	17 800	17 800		32,0
34,0	76,0	101,9	19 200	19 200	81,4	102,0	17 300	17 300		34,0
36,0	74,9	101,2	18 600	18 600	80,2	101,4	16 900	16 900		36,0
38,0	73,7	100,5	18 100	18 100	79,0	100,7	16 400	16 400		38,0
40,0	72,5	99,7	17 600	17 600	77,9	100,1	16 000	16 000		40,0
					76,7	99,3	15 600	15 600		
					75,5	98,5	15 200	15 200		
42,0	71,3	98,9	17 100	17 100						42,0
44,0	70,1	98,0	16 600	16 600	74,3	97,7	14 800	14 800		44,0
46,0	68,9	97,1	16 200	16 200	73,0	96,8	14 500	14 500		46,0
48,0	67,7	96,1	15 800	15 800	71,8	95,9	14 100	14 100		48,0
50,0	66,5	95,1	15 400	15 400	70,6	94,9	13 700	13 700		50,0
52,0	65,2	94,0	14 900	14 900	69,3	93,9	13 300	13 300		52,0
54,0	63,9	92,8	14 600	14 600	68,1	92,8	12 900	12 900		54,0
56,0	62,6	91,6	14 200	14 200	66,8	91,6	12 500	12 500		56,0
58,0	61,3	90,4	13 800	13 800	65,5	90,4	12 100	12 100		58,0
60,0	60,0	89,1	13 400	13 400	64,1	89,1	11 800	11 800		60,0
62,0	58,7	87,7	13 100	13 100	62,8	87,8	11 500	11 500		62,0
64,0	57,3	86,2	12 800	12 800	61,4	86,4	11 200	11 200		64,0
66,0	55,9	84,6	12 500	12 500	60,0	84,9	10 900	10 900		66,0
68,0	54,5	83,0	12 200	12 200	58,6	83,3	10 600	10 600		68,0
70,0	53,0	81,3	11 900	11 900	57,2	81,6	10 300	10 300		70,0
74,0	50,0	77,6	11 400	11 400	55,7	79,9	10 100	10 100		74,0
78,0	46,9	73,5	10 900	10 900	52,6	76,1	9 600	9 600		78,0
82,0	43,5	68,9	10 400	10 400	49,4	71,9	9 200	9 200		82,0
86,0	39,9	63,7	10 000	10 000	46,0	67,2	8 800	8 800		86,0
90,0	35,9	57,7	9 600	9 600	42,2	61,8	8 500	8 500		90,0
					38,1	55,6	8 200	8 200		
94,0	31,4	50,6	9 300	9 300						94,0
98,0	26,1	41,8	9 000	9 000	33,4	48,2	7 900	7 900		98,0
102,0	19,1	29,8	8 800	8 800						102,0

MLC650 VPC-MAX S-3

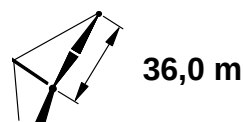
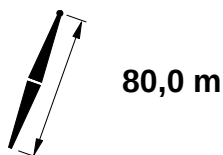
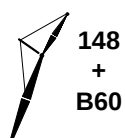
ASME B30.5

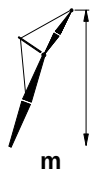
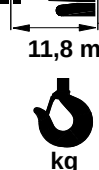
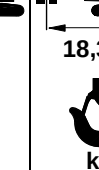
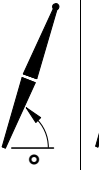
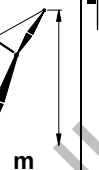
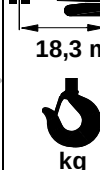


	10°				20°					
	 m	 °	 m	 kg	 kg	 °	 m	 kg		 kg
22,9	82,8	111,0	22 600	22 600						22,9
24,0	82,2	110,7	22 300	22 300						24,0
26,0	81,2	110,3	21 700	21 700						26,0
28,0	80,1	109,8	21 200	21 200						28,0
30,0	79,0	109,3	20 600	20 600						30,0
32,0	77,9	108,7	20 000	20 000	81,9	108,2	17 500	17 500		32,0
34,0	76,8	108,1	19 500	19 500	80,8	107,6	17 100	17 100		34,0
36,0	75,7	107,5	19 000	19 000	79,7	107,0	16 700	16 700		36,0
38,0	74,6	106,8	18 500	18 500	78,6	106,4	16 200	16 200		38,0
40,0	73,5	106,1	18 000	18 000	77,4	105,7	15 800	15 800		40,0
42,0	72,4	105,3	17 500	17 500	76,3	104,9	15 500	15 500		42,0
44,0	71,3	104,5	17 100	17 100	75,2	104,1	15 100	15 100		44,0
46,0	70,2	103,7	16 700	16 700	74,1	103,3	14 800	14 800		46,0
48,0	69,0	102,7	16 200	16 200	72,9	102,5	14 400	14 400		48,0
50,0	67,9	101,8	15 800	15 800	71,7	101,5	14 100	14 100		50,0
52,0	66,7	100,8	15 400	15 400	70,6	100,6	13 700	13 700		52,0
54,0	65,5	99,7	15 000	15 000	69,4	99,5	13 300	13 300		54,0
56,0	64,3	98,6	14 700	14 700	68,2	98,5	12 900	12 900		56,0
58,0	63,1	97,4	14 300	14 300	67,0	97,3	12 600	12 600		58,0
60,0	61,9	96,2	13 900	13 900	65,8	96,2	12 200	12 200		60,0
62,0	60,6	94,9	13 600	13 600	64,5	94,9	11 900	11 900		62,0
64,0	59,4	93,6	13 300	13 300	63,3	93,6	11 600	11 600		64,0
66,0	58,1	92,2	13 000	13 000	62,0	92,2	11 300	11 300		66,0
68,0	56,8	90,7	12 700	12 700	60,7	90,8	11 000	11 000		68,0
70,0	55,5	89,1	12 400	12 400	59,4	89,3	10 800	10 800		70,0
74,0	52,8	85,8	11 900	11 900	58,0	87,7	10 500	10 500		74,0
78,0	49,9	82,1	11 300	11 300	55,3	84,3	10 000	10 000		78,0
82,0	47,0	78,0	10 900	10 900	52,4	80,6	9 600	9 600		82,0
86,0	43,8	73,5	10 500	10 500	49,3	76,4	9 200	9 200		86,0
90,0	40,4	68,4	10 100	10 100	46,1	71,7	8 900	8 900		90,0
94,0	36,8	62,6	9 700	9 700	42,6	66,5	8 500	8 500		94,0
98,0	32,7	55,8	9 400	9 400	38,9	60,5	8 300	8 300		98,0
102,0	28,0	47,7	9 100	9 100	34,6	53,5	8 000	8 000		102,0
106,0	22,2	37,3	8 900	8 900	29,6	45,0	7 800	7 800		106,0

MLC650 VPC-MAX S-3

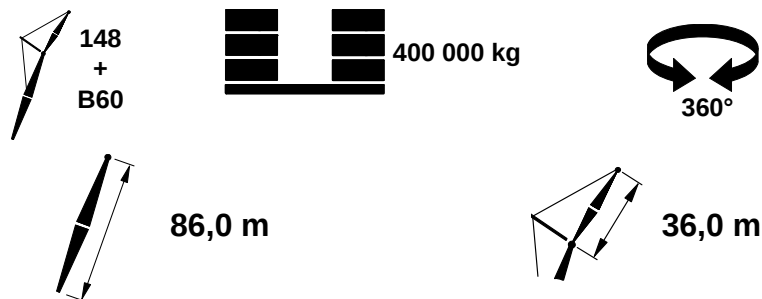
ASME B30.5

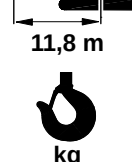
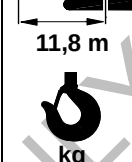
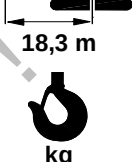


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
24,4	82,4	116,8	22 300	22 300						24,4
26,0	81,6	116,4	21 900	21 900						26,0
28,0	80,6	116,0	21 400	21 400						28,0
30,0	79,6	115,5	20 800	20 800						30,0
32,0	78,6	115,0	20 300	20 300						32,0
34,0	77,5	114,4	19 800	19 800	82,3	114,3	17 600	17 600		34,0
36,0	76,5	113,8	19 300	19 300	81,3	113,8	17 200	17 200		36,0
38,0	75,5	113,2	18 800	18 800	80,2	113,2	16 800	16 800		38,0
40,0	74,4	112,5	18 400	18 400	79,2	112,6	16 400	16 400		40,0
42,0	73,4	111,7	17 900	17 900	78,1	112,0	16 100	16 100		42,0
44,0	72,3	111,0	17 500	17 500	77,1	111,3	15 700	15 700		44,0
46,0	71,3	110,2	17 000	17 000	76,0	110,5	15 400	15 400		46,0
48,0	70,2	109,3	16 600	16 600	74,9	109,8	15 000	15 000		48,0
50,0	69,1	108,4	16 200	16 200	73,9	109,0	14 700	14 700		50,0
52,0	68,0	107,5	15 800	15 800	72,8	108,1	14 400	14 400		52,0
54,0	66,9	106,5	15 500	15 500	71,7	107,2	14 000	14 000		54,0
56,0	65,8	105,4	15 100	15 100	70,6	106,2	13 700	13 700		56,0
58,0	64,7	104,4	14 800	14 800	69,5	105,2	13 300	13 300		58,0
60,0	63,5	103,2	14 400	14 400	68,3	104,2	13 000	13 000		60,0
62,0	62,4	102,0	14 100	14 100	67,2	103,1	12 600	12 600		62,0
64,0	61,2	100,8	13 800	13 800	66,0	101,9	12 300	12 300		64,0
66,0	60,0	99,5	13 400	13 400	64,9	100,7	12 000	12 000		66,0
68,0	58,8	98,1	13 100	13 100	63,7	99,4	11 700	11 700		68,0
70,0	57,6	96,7	12 900	12 900	62,5	98,1	11 400	11 400		70,0
74,0	55,1	93,6	12 300	12 300	61,3	96,7	11 200	11 200		74,0
78,0	52,5	90,2	11 800	11 800	60,0	95,3	10 900	10 900		78,0
82,0	49,8	86,6	11 300	11 300	57,5	92,2	10 400	10 400		82,0
86,0	47,0	82,5	10 900	10 900	54,9	88,7	10 000	10 000		86,0
90,0	44,1	78,0	10 500	10 500	52,2	85,0	9 600	9 600		90,0
94,0	40,9	73,0	10 100	10 100	49,3	80,9	9 200	9 200		94,0
98,0	37,5	67,4	9 800	9 800	46,2	76,3	8 900	8 900		98,0
102,0	33,7	60,9	9 500	9 500	43,0	71,1	8 600	8 600		102,0
106,0	29,5	53,4	9 200	9 200	39,5	65,3	8 300	8 300		106,0
110,0	24,5	44,0	9 000	9 000	35,6	58,7	8 100	8 100		110,0
					31,1	50,7	7 900	7 900		110,0

MLC650 VPC-MAX S-3

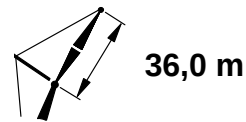
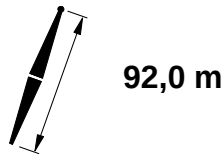
ASME B30.5



	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
24,4	82,8	122,9	22 400	22 400					24,4
26,0	82,0	122,6	22 000	22 000					26,0
28,0	81,1	122,1	21 500	21 500					28,0
30,0	80,1	121,7	21 000	21 000					30,0
32,0	79,1	121,2	20 500	20 500	81,7	120,0	17 400	17 400	32,0
34,0	78,2	120,6	20 100	20 100	80,7	119,4	17 000	17 000	34,0
36,0	77,2	120,1	19 600	19 600	79,7	118,9	16 600	16 600	36,0
38,0	76,2	119,4	19 100	19 100	78,7	118,2	16 300	16 300	38,0
40,0	75,2	118,8	18 700	18 700	77,7	117,6	15 900	15 900	40,0
42,0	74,2	118,1	18 300	18 300	76,7	116,9	15 600	15 600	42,0
44,0	73,2	117,4	17 800	17 800	75,7	116,2	15 200	15 200	44,0
46,0	72,2	116,6	17 400	17 400	74,7	115,4	14 900	14 900	46,0
48,0	71,2	115,8	17 000	17 000	73,7	114,6	14 600	14 600	48,0
50,0	70,2	115,0	16 600	16 600	72,7	113,7	14 300	14 300	50,0
52,0	69,2	114,1	16 200	16 200	71,6	112,8	14 000	14 000	52,0
54,0	68,1	113,2	15 900	15 900	70,6	111,9	13 700	13 700	54,0
56,0	67,1	112,2	15 500	15 500	69,5	110,9	13 300	13 300	56,0
58,0	66,0	111,2	15 200	15 200	68,4	109,9	13 000	13 000	58,0
60,0	65,0	110,1	14 900	14 900	67,4	108,8	12 700	12 700	60,0
62,0	63,9	109,0	14 500	14 500	66,3	107,7	12 400	12 400	62,0
64,0	62,8	107,8	14 200	14 200	65,2	106,5	12 100	12 100	64,0
66,0	61,7	106,6	13 900	13 900	64,1	105,2	11 800	11 800	66,0
68,0	60,6	105,3	13 600	13 600	62,9	103,9	11 500	11 500	68,0
70,0	59,5	104,0	13 300	13 300	61,8	102,6	11 300	11 300	70,0
74,0	57,1	101,2	12 700	12 700	59,4	99,7	10 800	10 800	74,0
78,0	54,8	98,1	12 200	12 200	57,0	96,6	10 300	10 300	78,0
82,0	52,3	94,7	11 800	11 800	54,5	93,2	9 900	9 900	82,0
86,0	49,8	91,0	11 300	11 300	51,9	89,4	9 600	9 600	86,0
90,0	47,1	87,0	10 900	10 900	49,2	85,3	9 200	9 200	90,0
94,0	44,3	82,6	10 500	10 500	46,4	80,8	8 900	8 900	94,0
98,0	41,3	77,7	10 200	10 200	43,3	75,8	8 600	8 600	98,0
102,0	38,1	72,2	9 800	9 800	40,0	70,1	8 400	8 400	102,0
106,0	34,7	66,0	9 500	9 500	36,4	63,7	8 100	8 100	106,0
110,0	30,8	58,8	9 300	9 300	32,4	56,2	7 900	7 900	110,0
114,0	26,3	50,2	9 000	9 000	27,7	47,1	7 700	7 700	114,0
118,0	20,8	39,1	8 800	8 800					118,0

MLC650 VPC-MAX S-3

ASME B30.5



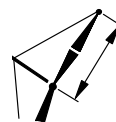
	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
25,9	82,5	128,7	22 100	22 100						25,9
26,0	82,4	128,6	22 100	22 100						26,0
28,0	81,5	128,2	21 700	21 700						28,0
30,0	80,6	127,8	21 200	21 200						30,0
32,0	79,7	127,3	20 700	20 700						32,0
34,0	78,7	126,8	20 300	20 300	82,1	126,1	17 500	17 500		34,0
36,0	77,8	126,3	19 800	19 800	80,2	125,6	17 100	17 100		36,0
38,0	76,9	125,7	19 400	19 400	79,3	125,0	16 800	16 800		38,0
40,0	75,9	125,1	19 000	19 000	78,4	124,5	16 400	16 400		40,0
42,0	75,0	124,4	18 500	18 500	77,4	123,8	16 100	16 100		42,0
						77,4	123,2	15 800	15 800	
44,0	74,1	123,7	18 100	18 100	76,4	122,5	15 400	15 400		44,0
46,0	73,1	123,0	17 700	17 700	75,5	121,8	15 200	15 200		46,0
48,0	72,1	122,3	17 400	17 400	74,5	121,0	14 900	14 900		48,0
50,0	71,2	121,5	17 000	17 000	73,5	120,2	14 600	14 600		50,0
52,0	70,2	120,6	16 600	16 600	72,6	119,3	14 300	14 300		52,0
54,0	69,2	119,7	16 200	16 200	71,6	118,4	14 000	14 000		54,0
56,0	68,2	118,8	15 900	15 900	70,6	117,5	13 700	13 700		56,0
58,0	67,2	117,8	15 600	15 600	69,6	116,5	13 400	13 400		58,0
60,0	66,2	116,8	15 200	15 200	68,5	115,5	13 000	13 000		60,0
62,0	65,2	115,8	14 900	14 900	67,5	114,5	12 700	12 700		62,0
64,0	64,2	114,7	14 600	14 600	66,5	113,4	12 400	12 400		64,0
66,0	63,2	113,6	14 300	14 300	65,4	112,2	12 100	12 100		66,0
68,0	62,1	112,4	14 000	14 000	64,4	111,0	11 900	11 900		68,0
70,0	61,1	111,1	13 700	13 700	63,3	109,7	11 600	11 600		70,0
74,0	58,9	108,5	13 200	13 200	61,1	107,1	11 100	11 100		74,0
78,0	56,7	105,6	12 700	12 700	58,9	104,1	10 700	10 700		78,0
82,0	54,5	102,5	12 200	12 200	56,6	101,0	10 300	10 300		82,0
86,0	52,1	99,1	11 700	11 700	54,2	97,6	9 900	9 900		86,0
90,0	49,7	95,4	11 300	11 300	51,7	93,8	9 500	9 500		90,0
94,0	47,1	91,4	10 900	10 900	49,2	89,7	9 200	9 200		94,0
98,0	44,5	87,1	10 500	10 500	46,4	85,3	8 900	8 900		98,0
102,0	41,7	82,2	10 200	10 200	43,6	80,3	8 700	8 700		102,0
106,0	38,7	76,9	9 900	9 900	40,5	74,8	8 400	8 400		106,0
110,0	35,4	70,8	9 600	9 600	37,1	68,6	8 200	8 200		110,0
114,0	31,9	64,0	9 300	9 300	33,4	61,5	8 000	8 000		114,0
118,0	27,8	55,9	9 100	9 100	29,2	53,0	7 800	7 800		118,0
122,0	23,0	46,0	8 500	8 900						122,0

MLC650 VPC-MAX S-3

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98,0 m

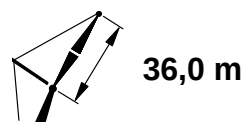
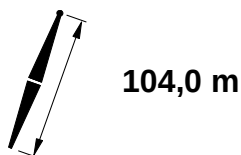
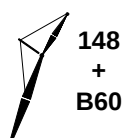


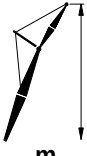
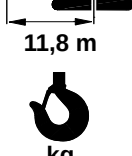
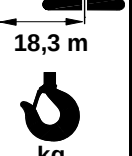
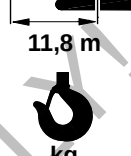
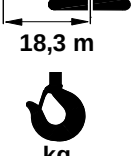
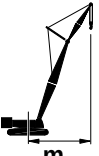
36,0 m

	10°					20°				
	 m	 °	 m	 kg	 kg	 °	 m	 kg	 kg	 m
25,9	82,8	134,8	22 200	22 200						25,9
26,0	82,8	134,7	22 200	22 200						26,0
28,0	81,9	134,3	21 700	21 700						28,0
30,0	81,0	133,9	21 300	21 300						30,0
32,0	80,1	133,5	20 900	20 900						32,0
34,0	79,3	133,0	20 500	20 500	82,5	132,3	17 600	17 600		34,0
36,0	78,4	132,5	20 000	20 000	80,7	131,2	16 900	16 900		36,0
38,0	77,5	131,9	19 600	19 600	79,8	130,7	16 600	16 600		38,0
40,0	76,6	131,3	19 200	19 200	78,9	130,1	16 200	16 200		40,0
42,0	75,7	130,7	18 800	18 800	78,0	129,5	15 900	15 900		42,0
44,0	74,8	130,1	18 400	18 400	77,1	128,8	15 600	15 600		44,0
46,0	73,9	129,4	18 000	18 000	76,2	128,1	15 300	15 300		46,0
48,0	73,0	128,7	17 700	17 700	75,3	127,4	15 100	15 100		48,0
50,0	72,1	127,9	17 300	17 300	74,3	126,6	14 800	14 800		50,0
52,0	71,1	127,1	16 900	16 900	73,4	125,8	14 500	14 500		52,0
54,0	70,2	126,3	16 600	16 600	72,5	125,0	14 200	14 200		54,0
56,0	69,3	125,4	16 200	16 200	71,5	124,1	14 000	14 000		56,0
58,0	68,3	124,5	15 900	15 900	70,6	123,2	13 700	13 700		58,0
60,0	67,4	123,5	15 600	15 600	69,6	122,2	13 400	13 400		60,0
62,0	66,4	122,6	15 300	15 300	68,6	121,2	13 100	13 100		62,0
64,0	65,5	121,5	15 000	15 000	67,7	120,2	12 800	12 800		64,0
66,0	64,5	120,4	14 700	14 700	66,7	119,1	12 500	12 500		66,0
68,0	63,5	119,3	14 400	14 400	65,7	117,9	12 200	12 200		68,0
70,0	62,5	118,2	14 100	14 100	64,7	116,8	12 000	12 000		70,0
74,0	60,5	115,7	13 600	13 600	62,6	114,3	11 500	11 500		74,0
78,0	58,5	113,0	13 100	13 100	60,6	111,5	11 000	11 000		78,0
82,0	56,3	110,1	12 600	12 600	58,4	108,6	10 600	10 600		82,0
86,0	54,2	107,0	12 100	12 100	56,2	105,4	10 200	10 200		86,0
90,0	51,9	103,6	11 700	11 700	53,9	102,0	9 900	9 900		90,0
94,0	49,6	99,9	11 300	11 300	51,6	98,3	9 500	9 500		94,0
98,0	47,2	95,9	10 900	10 900	49,1	94,2	9 200	9 200		98,0
102,0	44,7	91,6	10 600	10 600	46,5	89,8	8 900	8 900		102,0
106,0	42,0	86,8	10 200	10 200	43,8	84,9	8 700	8 700		106,0
110,0	39,2	81,6	9 900	9 900	40,9	79,5	8 400	8 400		110,0
114,0	36,1	75,7	9 700	9 700	37,8	73,5	8 200	8 200		114,0
118,0	32,8	69,1	8 600	9 400	34,4	66,7	8 000	8 000		118,0
122,0	29,2	61,5	6 500	9 200	30,5	58,7	7 100	7 800		122,0
126,0	24,9	52,4	4 400	9 000						126,0
130,0	19,6	40,8		8 800						130,0

MLC650 VPC-MAX S-3

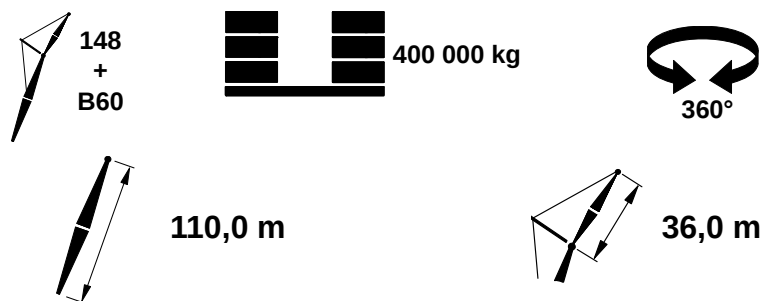
ASME B30.5

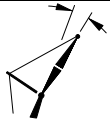
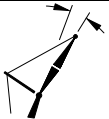
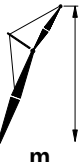
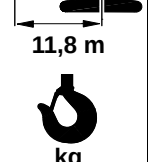
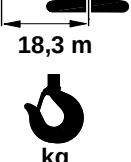
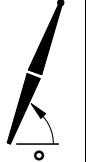
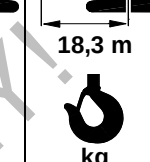


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
27,4	82,5	140,6	21 900	21 900						27,4
28,0	82,2	140,5	21 800	21 800						28,0
30,0	81,4	140,1	21 400	21 400						30,0
32,0	80,6	139,6	21 000	21 000						32,0
34,0	79,7	139,2	20 600	20 600						34,0
36,0	78,9	138,7	20 200	20 200	82,8	138,4	17 700	17 700		36,0
38,0	78,0	138,1	19 800	19 800	82,0	137,9	17 300	17 300		38,0
40,0	77,2	137,6	19 400	19 400	81,1	137,4	17 000	17 000		40,0
42,0	76,3	137,0	19 000	19 000	80,3	136,9	16 700	16 700		42,0
44,0	75,5	136,4	18 600	18 600	79,4	136,3	16 400	16 400		44,0
46,0	74,6	135,7	18 300	18 300	78,5	135,7	16 100	16 100		46,0
48,0	73,7	135,0	17 900	17 900	77,7	135,1	15 800	15 800		48,0
50,0	72,9	134,3	17 600	17 600	76,8	134,4	15 500	15 500		50,0
52,0	72,0	133,6	17 200	17 200	75,9	133,8	15 200	15 200		52,0
54,0	71,1	132,8	16 900	16 900	75,0	133,0	15 000	15 000		54,0
56,0	70,2	131,9	16 500	16 500	74,2	132,3	14 700	14 700		56,0
58,0	69,3	131,1	16 200	16 200	73,3	131,5	14 400	14 400		58,0
60,0	68,4	130,2	15 900	15 900	72,4	130,6	14 200	14 200		60,0
62,0	67,5	129,2	15 600	15 600	71,5	129,8	13 900	13 900		62,0
64,0	66,6	128,3	15 300	15 300	70,6	128,8	13 700	13 700		64,0
66,0	65,7	127,2	15 000	15 000	69,6	127,9	13 400	13 400		66,0
68,0	64,8	126,2	14 700	14 700	68,7	126,9	13 100	13 100		68,0
70,0	63,8	125,1	14 500	14 500	67,8	125,9	12 800	12 800		70,0
74,0	61,9	122,7	13 900	13 900	66,9	124,8	12 600	12 600		74,0
78,0	60,0	120,2	13 400	13 400	65,9	123,7	12 300	12 300		78,0
82,0	58,0	117,5	13 000	13 000	64,0	121,3	11 800	11 800		82,0
86,0	56,0	114,6	12 500	12 500	62,0	118,8	11 400	11 400		86,0
90,0	53,9	111,4	12 100	12 100	60,0	116,0	10 900	10 900		90,0
94,0	51,8	108,1	11 700	11 700	58,0	113,1	10 500	10 500		94,0
98,0	49,5	104,4	11 300	11 300	55,9	109,9	10 200	10 200		98,0
102,0	47,2	100,4	10 900	10 900	53,7	106,4	9 800	9 800		102,0
106,0	44,8	96,1	10 600	10 600	51,4	102,7	9 500	9 500		106,0
110,0	42,3	91,4	10 300	10 300	49,1	98,7	9 200	9 200		110,0
114,0	39,6	86,3	10 000	10 000	46,6	94,3	9 000	9 000		114,0
118,0	36,8	80,6	9 400	9 700	44,0	89,5	8 700	8 700		118,0
122,0	33,7	74,2	7 300	9 500	41,3	84,2	8 500	8 500		122,0
126,0	30,3	66,9	5 300	9 200	38,4	78,3	8 300	8 300		126,0
130,0	26,4	58,4		9 000	35,2	71,8	8 000	8 100		130,0
134,0	21,9	48,0		8 900	31,6	64,2	5 900	7 900		134,0

MLC650 VPC-MAX S-3

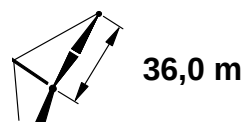
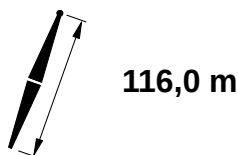
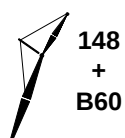
ASME B30.5



	 10°				 20°						
											
	m	°	m	kg	kg		°	m	kg	kg	m
27,4	82,8	146,7	21 900	21 900							27,4
28,0	82,6	146,6	21 800	21 800							28,0
30,0	81,8	146,2	21 400	21 400							30,0
32,0	81,0	145,8	21 100	21 100							32,0
34,0	80,2	145,3	20 700	20 700							34,0
36,0	79,4	144,8	20 300	20 300	82,3	144,1	17 400	17 400			36,0
38,0	78,5	144,3	19 900	19 900	81,5	143,6	17 100	17 100			38,0
40,0	77,7	143,8	19 500	19 500	80,7	143,1	16 800	16 800			40,0
42,0	76,9	143,3	19 200	19 200	79,9	142,5	16 500	16 500			42,0
44,0	76,1	142,7	18 800	18 800	79,0	142,0	16 200	16 200			44,0
46,0	75,3	142,0	18 500	18 500	78,2	141,4	15 900	15 900			46,0
48,0	74,4	141,4	18 100	18 100	77,4	140,7	15 600	15 600			48,0
50,0	73,6	140,7	17 800	17 800	76,5	140,1	15 400	15 400			50,0
52,0	72,8	140,0	17 400	17 400	75,7	139,4	15 100	15 100			52,0
54,0	71,9	139,2	17 100	17 100	74,9	138,7	14 800	14 800			54,0
56,0	71,1	138,4	16 800	16 800	74,0	137,9	14 600	14 600			56,0
58,0	70,2	137,6	16 500	16 500	73,2	137,1	14 400	14 400			58,0
60,0	69,4	136,7	16 200	16 200	72,3	136,3	14 100	14 100			60,0
62,0	68,5	135,9	15 900	15 900	71,4	135,4	13 900	13 900			62,0
64,0	67,7	134,9	15 600	15 600	70,6	134,5	13 600	13 600			64,0
66,0	66,8	134,0	15 300	15 300	69,7	133,6	13 400	13 400			66,0
68,0	65,9	133,0	15 000	15 000	68,8	132,6	13 100	13 100			68,0
70,0	65,0	131,9	14 800	14 800	67,9	131,6	12 800	12 800			70,0
74,0	63,2	129,7	14 200	14 200	67,0	130,5	12 600	12 600			74,0
78,0	61,4	127,3	13 700	13 700	65,2	128,3	12 100	12 100			78,0
82,0	59,5	124,8	13 200	13 200	63,4	125,9	11 600	11 600			82,0
86,0	57,6	122,0	12 800	12 800	61,5	123,3	11 200	11 200			86,0
90,0	55,7	119,1	12 400	12 400	59,5	120,5	10 800	10 800			90,0
94,0	53,7	115,9	12 000	12 000	57,6	117,5	10 400	10 400			94,0
98,0	51,6	112,5	11 600	11 600	55,5	114,3	10 100	10 100			98,0
102,0	49,5	108,9	11 200	11 200	53,4	110,9	9 800	9 800			102,0
106,0	47,3	104,9	10 900	10 900	51,3	107,2	9 500	9 500			106,0
110,0	45,0	100,6	10 600	10 600	49,0	103,1	9 200	9 200			110,0
114,0	42,6	96,0	9 500	10 300	46,7	98,8	8 900	8 900			114,0
118,0	40,0	90,9	7 300	10 000	44,2	94,0	8 700	8 700			118,0
122,0	37,3	85,4	5 100	9 700	41,6	88,9	8 300	8 500			122,0
126,0	34,4	79,2		9 500	38,9	83,1	6 100	8 300			126,0
130,0	31,3	72,2		9 300	35,9	76,8	4 000	8 100			126,0
134,0	27,8	64,2		9 100	32,6	69,5		7 900			130,0
138,0	23,7	54,6		9 000	28,9	61,2		7 800			134,0
											138,0

MLC650 VPC-MAX S-3

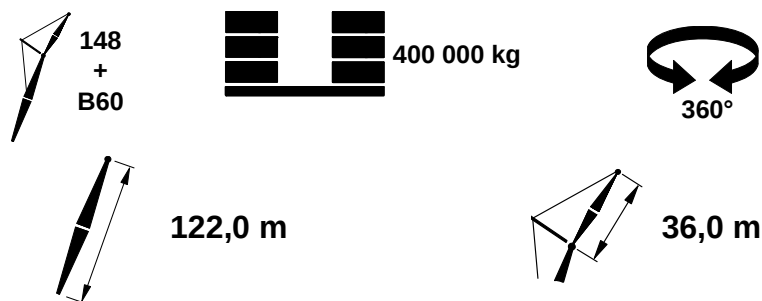
ASME B30.5

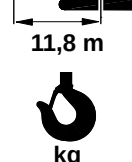
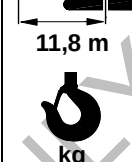
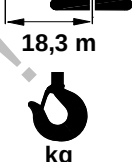


	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
29,0	82,5	152,5	21 600	21 600						29,0
30,0	82,1	152,3	21 400	21 400						30,0
32,0	81,3	151,9	21 100	21 100						32,0
34,0	80,6	151,5	20 700	20 700						34,0
36,0	79,8	151,0	20 300	20 300	82,6	150,2	17 500	17 500		36,0
38,0	79,0	150,5	20 000	20 000	81,1	149,2	17 100	17 100		38,0
40,0	78,2	150,0	19 700	19 700	80,3	148,7	16 900	16 900		40,0
42,0	77,5	149,5	19 300	19 300	79,5	148,2	16 600	16 600		42,0
44,0	76,7	148,9	18 900	18 900	78,7	147,6	16 300	16 300		44,0
46,0	75,9	148,3	18 600	18 600	77,9	147,0	16 000	16 000		46,0
48,0	75,1	147,7	18 300	18 300	77,1	146,4	15 800	15 800		48,0
50,0	74,3	147,0	18 000	18 000	76,3	145,7	15 500	15 500		50,0
52,0	73,5	146,3	17 600	17 600	75,5	145,0	15 200	15 200		52,0
54,0	72,7	145,6	17 300	17 300	74,7	144,3	15 000	15 000		54,0
56,0	71,9	144,9	17 000	17 000	73,9	143,5	14 800	14 800		56,0
58,0	71,1	144,1	16 700	16 700	73,0	142,7	14 500	14 500		58,0
60,0	70,3	143,3	16 400	16 400	72,2	141,9	14 300	14 300		60,0
62,0	69,4	142,4	16 100	16 100	71,4	141,1	14 100	14 100		62,0
64,0	68,6	141,5	15 800	15 800	70,6	140,2	13 800	13 800		64,0
66,0	67,8	140,6	15 500	15 500	69,7	139,2	13 600	13 600		66,0
68,0	66,9	139,7	15 300	15 300	68,9	138,3	13 400	13 400		68,0
70,0	66,1	138,7	15 000	15 000	68,0	137,3	13 100	13 100		70,0
74,0	64,4	136,6	14 500	14 500	66,3	135,1	12 800	12 800		74,0
78,0	62,7	134,3	14 000	14 000	64,6	132,9	12 300	12 300		78,0
82,0	60,9	131,9	13 500	13 500	62,8	130,4	11 900	11 900		82,0
86,0	59,1	129,3	13 100	13 100	61,0	127,8	11 500	11 500		86,0
90,0	57,3	126,5	12 700	12 700	59,1	125,0	11 100	11 100		90,0
94,0	55,4	123,6	12 300	12 300	57,2	122,0	10 700	10 700		94,0
98,0	53,5	120,4	11 900	11 900	55,2	118,8	10 300	10 300		98,0
102,0	51,5	117,0	11 500	11 500	53,2	115,3	10 000	10 000		102,0
106,0	49,4	113,3	11 200	11 200	51,1	111,6	9 700	9 700		106,0
110,0	47,3	109,4	10 900	10 900	49,0	107,6	9 400	9 400		110,0
114,0	45,1	105,2	9 200	10 600	46,8	103,3	9 200	9 200		114,0
118,0	42,8	100,6	6 900	10 300	44,4	98,6	8 900	8 900		118,0
122,0	40,4	95,6	4 800	10 000	41,9	93,5	8 200	8 700		122,0
126,0	37,9	90,1		9 800	39,3	87,9	5 900	8 500		126,0
130,0	35,1	84,1		9 600	36,5	81,7	3 800	8 300		130,0
134,0	32,2	77,4		9 300	33,5	74,8		8 100		134,0
138,0	28,9	69,7		9 200	30,1	66,8		7 900		138,0
142,0	25,2	60,8		9 000				7 800		142,0
146,0	20,9	49,9		8 900						146,0

MLC650 VPC-MAX S-3

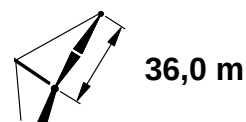
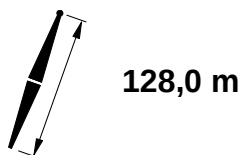
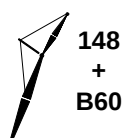
ASME B30.5



	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
29,0	82,8	158,6	21 600	21 600					29,0
30,0	82,4	158,4	21 400	21 400					30,0
32,0	81,7	158,0	21 100	21 100					32,0
34,0	80,9	157,6	20 700	20 700					34,0
36,0	80,2	157,2	20 400	20 400	82,2	155,9	17 200	17 200	36,0
38,0	79,4	156,7	20 100	20 100	81,4	155,4	16 900	16 900	38,0
40,0	78,7	156,2	19 700	19 700	80,7	154,9	16 600	16 600	40,0
42,0	77,9	155,7	19 400	19 400	79,9	154,4	16 400	16 400	42,0
44,0	77,2	155,2	19 100	19 100	79,1	153,8	16 100	16 100	44,0
46,0	76,4	154,6	18 700	18 700	78,4	153,3	15 800	15 800	46,0
48,0	75,7	154,0	18 400	18 400	77,6	152,7	15 600	15 600	48,0
50,0	74,9	153,3	18 100	18 100	76,8	152,0	15 400	15 400	50,0
52,0	74,1	152,7	17 800	17 800	76,1	151,4	15 100	15 100	52,0
54,0	73,4	152,0	17 500	17 500	75,3	150,7	14 900	14 900	54,0
56,0	72,6	151,3	17 200	17 200	74,5	149,9	14 700	14 700	56,0
58,0	71,8	150,5	16 900	16 900	73,7	149,2	14 400	14 400	58,0
60,0	71,1	149,7	16 600	16 600	72,9	148,4	14 200	14 200	60,0
62,0	70,3	148,9	16 400	16 400	72,2	147,6	14 000	14 000	62,0
64,0	69,5	148,1	16 100	16 100	71,4	146,7	13 800	13 800	64,0
66,0	68,7	147,2	15 800	15 800	70,6	145,8	13 600	13 600	66,0
68,0	67,9	146,3	15 500	15 500	69,8	144,9	13 400	13 400	68,0
70,0	67,1	145,4	15 300	15 300	68,9	143,9	13 100	13 100	70,0
74,0	65,5	143,4	14 800	14 800	67,3	141,9	12 600	12 600	74,0
78,0	63,8	141,2	14 300	14 300	65,6	139,8	12 200	12 200	78,0
82,0	62,1	138,9	13 800	13 800	64,0	137,5	11 700	11 700	82,0
86,0	60,4	136,5	13 400	13 400	62,2	135,0	11 300	11 300	86,0
90,0	58,7	133,9	13 000	13 000	60,5	132,3	11 000	11 000	90,0
94,0	56,9	131,1	12 600	12 600	58,7	129,5	10 600	10 600	94,0
98,0	55,1	128,1	12 200	12 200	56,8	126,5	10 300	10 300	98,0
102,0	53,3	124,9	11 800	11 800	55,0	123,2	10 000	10 000	102,0
106,0	51,4	121,5	11 500	11 500	53,0	119,8	9 700	9 700	106,0
110,0	49,4	117,8	9 400	11 200	51,0	116,1	9 400	9 400	110,0
114,0	47,4	113,9	7 000	10 900	49,0	112,1	8 500	9 200	114,0
118,0	45,2	109,7	4 700	10 600	46,8	107,8	6 100	8 900	118,0
122,0	43,1	105,1		10 300	44,6	103,2	3 900	8 700	122,0
126,0	40,8	100,2		10 100	42,2	98,1		8 500	126,0
130,0	38,3	94,8		9 800	39,7	92,7		8 300	130,0
134,0	35,7	89,0		9 600	37,1	86,6		8 100	134,0
138,0	33,0	82,5		9 400	34,2	79,9		8 000	138,0
142,0	29,9	75,1		9 200	31,1	72,3		7 900	142,0
146,0	26,6	66,7		9 000	27,6	63,5		7 700	146,0
150,0	22,7	56,7		8 900					150,0

MLC650 VPC-MAX S-3

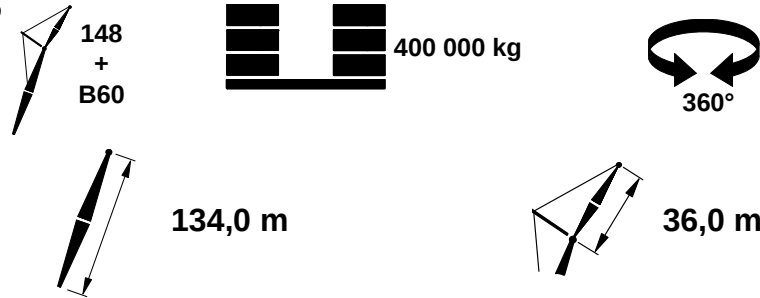
ASME B30.5

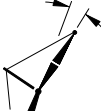
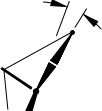
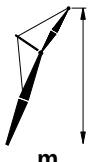
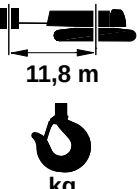
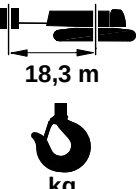
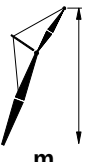
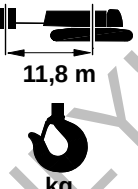
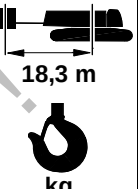


	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
30,5	82,5	164,4	21 200	21 200						30,5
32,0	82,0	164,1	21 000	21 000						32,0
34,0	81,3	163,7	20 700	20 700						34,0
36,0	80,5	163,3	20 400	20 400						36,0
38,0	79,8	162,8	20 100	20 100	82,5	162,0	17 200	17 200		38,0
40,0	79,1	162,4	19 800	19 800	81,7	161,5	16 900	16 900		40,0
42,0	78,4	161,9	19 500	19 500	81,0	161,0	16 700	16 700		42,0
44,0	77,7	161,3	19 100	19 100	80,3	160,5	16 400	16 400		44,0
46,0	76,9	160,8	18 800	18 800	79,5	160,0	16 200	16 200		46,0
48,0	76,2	160,2	18 500	18 500	78,8	159,5	15 900	15 900		48,0
50,0	75,5	159,6	18 200	18 200	78,1	158,9	15 700	15 700		50,0
52,0	74,8	159,0	17 900	17 900	77,3	158,3	15 500	15 500		52,0
54,0	74,0	158,3	17 600	17 600	76,6	157,6	15 200	15 200		54,0
56,0	73,3	157,6	17 400	17 400	75,9	157,0	15 000	15 000		56,0
58,0	72,5	156,9	17 100	17 100	75,1	156,3	14 800	14 800		58,0
60,0	71,8	156,2	16 800	16 800	74,4	155,5	14 600	14 600		60,0
62,0	71,0	155,4	16 500	16 500	73,6	154,8	14 400	14 400		62,0
64,0	70,3	154,6	16 300	16 300	72,9	154,0	14 100	14 100		64,0
66,0	69,5	153,7	16 000	16 000	72,1	153,2	13 900	13 900		66,0
68,0	68,8	152,8	15 800	15 800	71,3	152,3	13 700	13 700		68,0
70,0	68,0	151,9	15 500	15 500	70,6	151,5	13 600	13 600		70,0
74,0	66,4	150,0	15 000	15 000	69,8	150,5	13 400	13 400		74,0
78,0	64,9	148,0	14 500	14 500	68,2	148,6	12 900	12 900		78,0
82,0	63,3	145,8	14 100	14 100	66,6	146,6	12 400	12 400		82,0
86,0	61,7	143,5	13 700	13 700	65,0	144,3	12 000	12 000		86,0
90,0	60,0	141,0	13 300	13 300	63,4	142,0	11 600	11 600		90,0
94,0	58,3	138,3	12 900	12 900	61,7	139,5	11 200	11 200		94,0
98,0	56,6	135,5	12 500	12 500	60,0	136,8	10 900	10 900		98,0
102,0	54,9	132,5	12 100	12 100	58,3	133,9	10 500	10 500		102,0
106,0	53,1	129,3	11 400	11 800	56,5	130,9	10 200	10 200		106,0
110,0	51,2	125,9	8 800	11 500	54,7	127,6	9 900	9 900		110,0
114,0	49,3	122,2	6 400	11 100	52,8	124,2	9 700	9 700		114,0
118,0	47,4	118,3	4 200	10 900	50,9	120,5	8 100	9 400		118,0
122,0	45,4	114,1		10 600	48,9	116,5	5 700	9 200		122,0
126,0	43,2	109,6		10 300	46,9	112,2		9 000		126,0
130,0	41,0	104,8		10 100	44,7	107,7		8 700		130,0
134,0	38,7	99,5		9 800	42,5	102,7		8 500		134,0
138,0	36,3	93,7		9 600	40,1	97,3		8 400		138,0
142,0	33,7	87,4		9 400	37,6	91,4		8 200		142,0
146,0	30,8	80,4		9 300	34,9	84,9		8 000		146,0
150,0	27,7	72,4		9 100	32,0	77,6		7 900		150,0
154,0	24,2	63,0		9 000	28,7	69,3		7 800		154,0
158,0	19,9	51,6		8 800						158,0

MLC650 VPC-MAX S-3

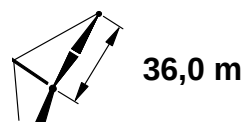
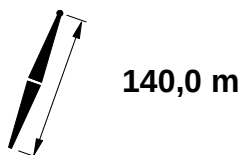
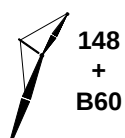
ASME B30.5

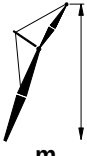
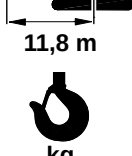
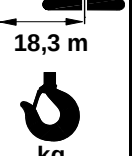
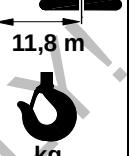
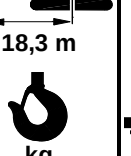


	 10°				 20°					
	 m	 °	 m	 11,8 m kg	 18,3 m kg	 °	 m	 11,8 m kg		 18,3 m kg
30,5	82,8	170,5	21 100	21 100						30,5
32,0	82,3	170,2	20 900	20 900						32,0
34,0	81,6	169,8	20 600	20 600						34,0
36,0	80,9	169,4	20 300	20 300						36,0
38,0	80,2	169,0	20 000	20 000						38,0
40,0	79,5	168,5	19 700	19 700	82,0	167,7	16 900	16 900		40,0
42,0	78,8	168,0	19 500	19 500	81,3	167,2	16 700	16 700		42,0
44,0	78,1	167,5	19 200	19 200	80,6	166,7	16 500	16 500		44,0
46,0	77,4	167,0	18 900	18 900	79,9	166,2	16 200	16 200		46,0
48,0	76,7	166,5	18 600	18 600	79,2	165,7	16 000	16 000		48,0
50,0	76,0	165,9	18 300	18 300	78,5	165,1	15 800	15 800		50,0
52,0	75,3	165,3	18 000	18 000	77,8	164,5	15 500	15 500		52,0
54,0	74,6	164,6	17 800	17 800	77,1	163,9	15 300	15 300		54,0
56,0	73,9	164,0	17 500	17 500	76,4	163,3	15 100	15 100		56,0
58,0	73,2	163,3	17 200	17 200	75,7	162,6	14 900	14 900		58,0
60,0	72,5	162,6	17 000	17 000	75,0	161,9	14 700	14 700		60,0
62,0	71,7	161,8	16 700	16 700	74,2	161,2	14 500	14 500		62,0
64,0	71,0	161,0	16 400	16 400	73,5	160,4	14 300	14 300		64,0
66,0	70,3	160,2	16 200	16 200	72,8	159,6	14 100	14 100		66,0
68,0	69,6	159,4	15 900	15 900	72,0	158,8	13 900	13 900		68,0
70,0	68,8	158,5	15 700	15 700	71,3	158,0	13 700	13 700		70,0
74,0	67,3	156,7	15 200	15 200	70,6	157,1	13 500	13 500		74,0
78,0	65,8	154,7	14 800	14 800	69,1	155,3	13 100	13 100		78,0
82,0	64,3	152,7	14 300	14 300	67,5	153,3	12 700	12 700		82,0
86,0	62,8	150,4	13 900	13 900	66,0	151,2	12 300	12 300		86,0
90,0	61,2	148,1	13 500	13 500	64,4	149,0	11 800	11 800		90,0
94,0	59,6	145,6	13 100	13 100	62,9	146,6	11 500	11 500		94,0
98,0	58,0	142,9	12 800	12 800	61,3	144,0	11 100	11 100		98,0
102,0	56,3	140,0	11 900	12 400	59,6	141,3	10 800	10 800		102,0
106,0	54,6	137,0	9 200	12 100	57,9	138,4	10 500	10 500		106,0
110,0	52,9	133,8	6 600	11 700	56,2	135,4	10 200	10 200		110,0
114,0	51,1	130,4	4 200	11 400	54,5	132,1	8 500	9 900		114,0
118,0	49,3	126,7		11 100	52,7	128,6	6 000	9 700		118,0
122,0	47,4	122,8		10 900	50,8	124,9	3 600	9 400		122,0
126,0	45,5	118,6		10 600	48,9	121,0		9 200		126,0
130,0	43,4	114,2		10 400	46,9	116,7		9 000		130,0
134,0	41,3	109,4		10 100	44,9	112,2		8 800		134,0
138,0	39,1	104,2		9 900	42,7	107,3		8 600		138,0
142,0	36,8	98,5		9 700	40,5	102,0		8 400		142,0
146,0	34,3	92,4		9 500	38,1	96,2		8 200		146,0
150,0	31,6	85,6		9 300	35,5	89,9		8 100		150,0
154,0	28,7	77,9		9 100	32,8	82,9		7 900		154,0
158,0	25,5	69,1		9 000	29,7	74,9		7 800		158,0
162,0	21,7	58,7		8 900						162,0

MLC650 VPC-MAX S-3

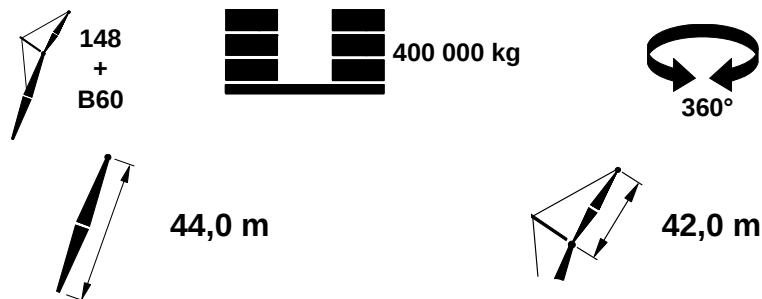
ASME B30.5

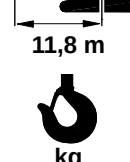
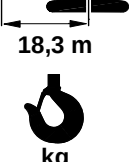
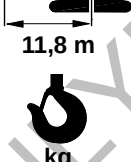


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
32,0	82,5	176,3	20 800	20 800						32,0
34,0	81,9	175,9	20 500	20 500						34,0
36,0	81,2	175,5	20 200	20 200						36,0
38,0	80,5	175,1	20 000	20 000						38,0
40,0	79,9	174,7	19 700	19 700	82,3	173,8	16 900	16 900		40,0
42,0	79,2	174,2	19 400	19 400	81,6	173,3	16 700	16 700		42,0
44,0	78,5	173,7	19 100	19 100	81,0	172,9	16 500	16 500		44,0
46,0	77,9	173,2	18 900	18 900	80,3	172,4	16 200	16 200		46,0
48,0	77,2	172,7	18 600	18 600	79,6	171,9	16 000	16 000		48,0
50,0	76,5	172,1	18 400	18 400	78,9	171,3	15 800	15 800		50,0
52,0	75,8	171,5	18 100	18 100	78,2	170,8	15 600	15 600		52,0
54,0	75,1	170,9	17 800	17 800	77,6	170,2	15 400	15 400		54,0
56,0	74,5	170,3	17 600	17 600	76,9	169,6	15 200	15 200		56,0
58,0	73,8	169,6	17 300	17 300	76,2	168,9	15 000	15 000		58,0
60,0	73,1	168,9	17 100	17 100	75,5	168,2	14 800	14 800		60,0
62,0	72,4	168,2	16 800	16 800	74,8	167,5	14 600	14 600		62,0
64,0	71,7	167,5	16 600	16 600	74,1	166,8	14 400	14 400		64,0
66,0	71,0	166,7	16 300	16 300	73,4	166,1	14 200	14 200		66,0
68,0	70,3	165,9	16 100	16 100	72,7	165,3	14 000	14 000		68,0
70,0	69,6	165,1	15 800	15 800	72,0	164,5	13 800	13 800		70,0
74,0	68,2	163,3	15 400	15 400	71,3	163,6	13 600	13 600		74,0
78,0	66,7	161,4	15 000	15 000	69,8	161,9	13 300	13 300		78,0
82,0	65,3	159,4	14 500	14 500	68,4	160,0	12 900	12 900		82,0
86,0	63,8	157,3	14 100	14 100	66,9	158,0	12 500	12 500		86,0
90,0	62,3	155,1	13 700	13 700	65,4	155,8	12 100	12 100		90,0
94,0	60,8	152,7	13 400	13 400	63,9	153,5	11 700	11 700		94,0
98,0	59,2	150,1	13 000	13 000	62,4	151,1	11 400	11 400		98,0
102,0	57,7	147,4	11 400	12 600	60,8	148,5	11 000	11 000		102,0
106,0	56,1	144,5	8 600	12 300	59,2	145,8	10 700	10 700		106,0
110,0	54,4	141,5	6 000	12 000	57,6	142,9	10 300	10 400		110,0
114,0	52,7	138,3	3 600	11 700	55,9	139,8	8 000	10 100		114,0
118,0	51,0	134,8		11 400	54,2	136,6	5 400	9 900		118,0
122,0	49,3	131,2		11 100	52,5	133,1		9 600		122,0
126,0	47,4	127,3		10 800	50,7	129,4		9 400		126,0
130,0	45,6	123,1		10 600	48,9	125,4		9 200		130,0
134,0	43,6	118,7		10 300	47,0	121,2		8 900		134,0
138,0	41,6	114,0		10 100	45,0	116,7		8 800		138,0
142,0	39,5	108,9		9 900	42,9	111,9		8 600		142,0
146,0	37,3	103,3		9 700	40,8	106,7		8 400		146,0
150,0	34,9	97,3		9 500	38,5	101,0		8 200		150,0
154,0	32,4	90,7		9 400	36,1	94,8		8 100		154,0
158,0	29,6	83,3		9 200	33,5	88,0		8 000		158,0
162,0	26,6	75,0		9 100	30,7	80,4		7 800		162,0
166,0	23,2	65,3		8 400						166,0
170,0	19,1	53,4		6 600						170,0

MLC650 VPC-MAX S-3

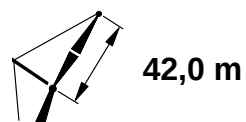
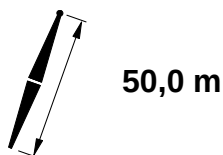
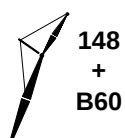
ASME B30.5



	10°				20°					
										
	m	°	m	kg	kg	°	m	kg	kg	m
19,8		82,6	87,3	19 000b	19 000b					19,8
20,0		82,4	87,3	18 900b	18 900b					20,0
22,0		81,1	86,8	18 100b	18 100b					22,0
24,0		79,7	86,3	17 300	17 300					24,0
26,0		78,3	85,7	16 600	16 600					26,0
28,0		76,9	85,1	15 900	15 900	82,7	84,9	14 300b	14 300b	28,0
30,0		75,5	84,4	15 300	15 300	81,3	84,3	13 700	13 700	30,0
32,0		74,1	83,7	14 600	14 600	79,9	83,6	13 100	13 100	32,0
34,0		72,7	82,9	14 000	14 000	78,4	82,8	12 600	12 600	34,0
36,0		71,2	82,1	13 400	13 400	77,0	82,0	12 100	12 100	36,0
38,0		69,8	81,2	12 800	12 800	75,5	81,2	11 600	11 600	38,0
40,0		68,3	80,2	12 300	12 300	74,0	80,3	11 200	11 200	40,0
42,0		66,8	79,2	11 800	11 800	72,5	79,3	10 700	10 700	42,0
44,0		65,3	78,1	11 300	11 300	71,0	78,3	10 300	10 300	44,0
46,0		63,8	76,9	10 800	10 800	69,5	77,1	9 900	9 900	46,0
48,0		62,2	75,7	10 400	10 400	67,9	76,0	9 600	9 600	48,0
50,0		60,6	74,4	10 000	10 000	66,3	74,7	9 200	9 200	50,0
52,0		59,0	73,0	9 600	9 600	64,7	73,4	8 900	8 900	52,0
54,0		57,3	71,5	9 300	9 300	63,1	71,9	8 600	8 600	54,0
56,0		55,6	69,9	8 900	8 900	61,4	70,4	8 200	8 200	56,0
58,0		53,9	68,2	8 500	8 500	59,7	68,8	8 000	8 000	58,0
60,0		52,1	66,4	8 200	8 200	57,9	67,1	7 700	7 700	60,0
62,0		50,3	64,5	7 900	7 900	56,1	65,3	7 400	7 400	62,0
64,0		48,4	62,5	7 600	7 600	54,2	63,3	7 200	7 200	64,0
66,0		46,4	60,3	7 300	7 300	52,3	61,3	6 900	6 900	66,0
68,0		44,3	57,9	7 100	7 100	50,3	59,0	6 700	6 700	68,0
70,0		42,2	55,4	6 900	6 900	48,2	56,6	6 500	6 500	70,0
74,0		37,6	49,7	6 400	6 400	46,0	54,1	6 300	6 300	74,0
78,0		32,3	42,8	6 000	6 000	41,2	48,2	6 000	6 000	78,0
82,0		25,8	33,9	5 600	5 600	35,7	41,0	5 700	5 700	82,0
						28,8	31,5	5 500	5 500	82,0

MLC650 VPC-MAX S-3

ASME B30.5



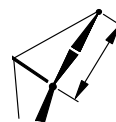
	10°					20°				
	m	°	m	kg	kg	m	kg	kg	m	m
21,3	82,1	93,1	18 700	18 700					21,3	
22,0	81,7	92,9	18 400	18 400					22,0	
24,0	80,4	92,5	17 700	17 700					24,0	
26,0	79,1	91,9	17 000	17 000					26,0	
28,0	77,8	91,4	16 300	16 300					28,0	
30,0	76,5	90,7	15 700	15 700	81,9	90,4	13 900	13 900	30,0	
32,0	75,2	90,1	15 100	15 100	80,6	89,8	13 400	13 400	32,0	
34,0	73,9	89,3	14 500	14 500	79,2	89,1	12 900	12 900	34,0	
36,0	72,5	88,5	13 900	13 900	77,9	88,4	12 400	12 400	36,0	
38,0	71,2	87,7	13 400	13 400	76,5	87,6	11 900	11 900	38,0	
40,0	69,8	86,8	12 800	12 800	75,2	86,8	11 500	11 500	40,0	
42,0	68,4	85,9	12 300	12 300	73,8	85,9	11 100	11 100	42,0	
44,0	67,1	84,9	11 900	11 900	72,4	84,9	10 700	10 700	44,0	
46,0	65,6	83,8	11 400	11 400	71,0	83,9	10 300	10 300	46,0	
48,0	64,2	82,7	11 000	11 000	69,6	82,8	9 900	9 900	48,0	
50,0	62,8	81,5	10 600	10 600	68,1	81,6	9 600	9 600	50,0	
52,0	61,3	80,2	10 200	10 200	66,6	80,4	9 300	9 300	52,0	
54,0	59,8	78,8	9 800	9 800	65,1	79,1	9 000	9 000	54,0	
56,0	58,3	77,4	9 500	9 500	63,6	77,8	8 600	8 600	56,0	
58,0	56,7	75,9	9 100	9 100	62,1	76,3	8 400	8 400	58,0	
60,0	55,1	74,3	8 800	8 800	60,5	74,8	8 100	8 100	60,0	
62,0	53,5	72,6	8 500	8 500	58,9	73,2	7 800	7 800	62,0	
64,0	51,8	70,8	8 200	8 200	57,2	71,4	7 600	7 600	64,0	
66,0	50,1	68,9	7 900	7 900	55,5	69,6	7 300	7 300	66,0	
68,0	48,3	66,9	7 600	7 600	53,8	67,7	7 100	7 100	68,0	
70,0	46,5	64,7	7 400	7 400	52,0	65,6	6 900	6 900	70,0	
74,0	42,6	60,0	6 900	6 900	50,1	63,4	6 700	6 700	74,0	
78,0	38,4	54,5	6 500	6 500	46,1	58,6	6 300	6 300	78,0	
82,0	33,6	48,0	6 100	6 100	41,8	52,9	6 000	6 000	82,0	
86,0	28,0	39,9	5 700	5 700	36,9	46,1	5 700	5 700	86,0	
90,0	20,7	28,8	5 500	5 500	30,9	37,6	5 500	5 500	90,0	

MLC650 VPC-MAX S-3

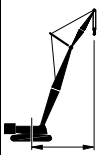
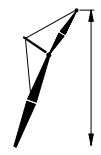
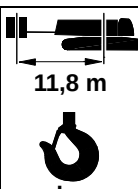
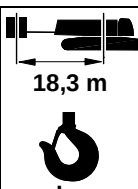
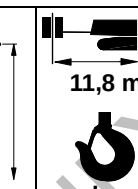
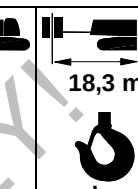
ASME B30.5



56,0 m

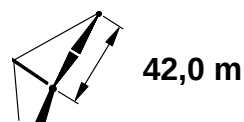
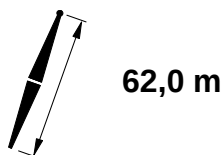
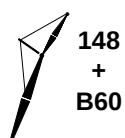


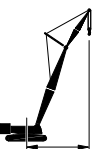
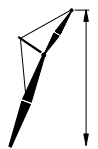
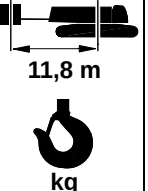
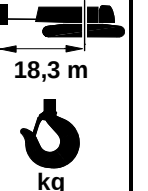
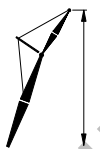
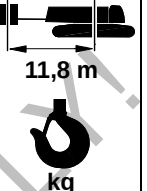
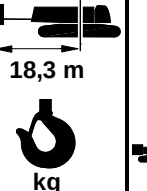
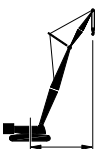
42,0 m

	10°				20°					
										
	m	°	m	kg	kg	°	m	kg	kg	m
21,3	82,6	99,2	18 900	18 900						21,3
22,0	82,2	99,1	18 700	18 700						22,0
24,0	81,0	98,6	18 000	18 000						24,0
26,0	79,8	98,1	17 400	17 400						26,0
28,0	78,6	97,6	16 700	16 700						28,0
30,0	77,4	97,0	16 100	16 100	82,4	96,6	14 100	14 100		30,0
32,0	76,1	96,4	15 500	15 500	81,2	96,0	13 600	13 600		32,0
34,0	74,9	95,7	14 900	14 900	79,9	95,4	13 100	13 100		34,0
36,0	73,7	95,0	14 400	14 400	78,7	94,7	12 700	12 700		36,0
38,0	72,4	94,2	13 800	13 800	77,4	94,0	12 200	12 200		38,0
40,0	71,1	93,4	13 300	13 300	76,2	93,2	11 800	11 800		40,0
42,0	69,9	92,5	12 900	12 900	74,9	92,4	11 400	11 400		42,0
44,0	68,6	91,6	12 400	12 400	73,6	91,5	11 000	11 000		44,0
46,0	67,3	90,6	11 900	11 900	72,3	90,5	10 600	10 600		46,0
48,0	66,0	89,5	11 500	11 500	71,0	89,5	10 300	10 300		48,0
50,0	64,6	88,4	11 100	11 100	69,6	88,5	10 000	10 000		50,0
52,0	63,3	87,2	10 700	10 700	68,3	87,3	9 600	9 600		52,0
54,0	61,9	86,0	10 300	10 300	66,9	86,2	9 300	9 300		54,0
56,0	60,5	84,7	10 000	10 000	65,5	84,9	9 000	9 000		56,0
58,0	59,1	83,3	9 600	9 600	64,1	83,6	8 700	8 700		58,0
60,0	57,7	81,9	9 300	9 300	62,7	82,2	8 500	8 500		60,0
62,0	56,2	80,4	9 000	9 000	61,2	80,7	8 200	8 200		62,0
64,0	54,7	78,8	8 700	8 700	59,7	79,2	8 000	8 000		64,0
66,0	53,2	77,1	8 400	8 400	58,2	77,6	7 700	7 700		66,0
68,0	51,6	75,3	8 100	8 100	56,6	75,8	7 500	7 500		68,0
70,0	50,0	73,4	7 900	7 900	55,0	74,0	7 300	7 300		70,0
74,0	46,6	69,2	7 400	7 400	53,4	72,1	7 100	7 100		74,0
78,0	43,0	64,6	6 900	6 900	50,0	67,9	6 700	6 700		78,0
82,0	39,1	59,2	6 500	6 500	46,3	63,1	6 400	6 400		82,0
86,0	34,8	53,0	6 200	6 200	42,3	57,6	6 100	6 100		86,0
90,0	29,8	45,5	5 800	5 800	37,8	51,2	5 800	5 800		90,0
94,0	23,7	35,9	5 600	5 600	32,6	43,3	5 600	5 600		94,0
					26,1	33,0	5 400	5 400		

MLC650 VPC-MAX S-3

ASME B30.5



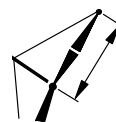
	10°					20°				
	 m	 °	 m	 11,8 m kg	 18,3 m kg	 °	 m	 11,8 m kg	 18,3 m kg	 m
22,9	82,2	105,0	18 600	18 600						22,9
24,0	81,5	104,8	18 300	18 300						24,0
26,0	80,4	104,3	17 700	17 700						26,0
28,0	79,3	103,8	17 000	17 000						28,0
30,0	78,1	103,2	16 500	16 500	81,7	102,2	13 800	13 800		30,0
32,0	77,0	102,7	15 900	15 900	80,5	101,6	13 400	13 400		32,0
34,0	75,8	102,0	15 300	15 300	79,4	101,0	12 900	12 900		34,0
36,0	74,7	101,3	14 800	14 800	78,2	100,3	12 500	12 500		36,0
38,0	73,5	100,6	14 300	14 300	77,0	99,6	12 100	12 100		38,0
40,0	72,3	99,8	13 800	13 800	75,8	98,8	11 700	11 700		40,0
42,0	71,1	99,0	13 300	13 300	74,6	98,0	11 300	11 300		42,0
44,0	69,9	98,2	12 900	12 900	73,4	97,1	10 900	10 900		44,0
46,0	68,7	97,2	12 400	12 400	72,2	96,2	10 600	10 600		46,0
48,0	67,5	96,3	12 000	12 000	70,9	95,2	10 300	10 300		48,0
50,0	66,2	95,2	11 600	11 600	69,7	94,1	9 900	9 900		50,0
52,0	65,0	94,2	11 200	11 200	68,4	93,1	9 600	9 600		52,0
54,0	63,7	93,0	10 800	10 800	67,1	91,9	9 400	9 400		54,0
56,0	62,4	91,8	10 500	10 500	65,8	90,7	9 100	9 100		56,0
58,0	61,1	90,6	10 100	10 100	64,5	89,4	8 800	8 800		58,0
60,0	59,8	89,2	9 800	9 800	63,2	88,1	8 600	8 600		60,0
62,0	58,5	87,8	9 500	9 500	61,8	86,7	8 300	8 300		62,0
64,0	57,1	86,4	9 200	9 200	60,4	85,2	8 100	8 100		64,0
66,0	55,7	84,8	8 900	8 900	59,0	83,6	7 800	7 800		66,0
68,0	54,3	83,2	8 600	8 600	57,6	82,0	7 600	7 600		68,0
70,0	52,9	81,5	8 300	8 300	56,1	80,2	7 400	7 400		70,0
74,0	49,9	77,8	7 900	7 900	53,1	76,5	7 000	7 000		74,0
78,0	46,7	73,7	7 400	7 400	49,9	72,3	6 700	6 700		78,0
82,0	43,4	69,1	7 000	7 000	46,4	67,6	6 400	6 400		82,0
86,0	39,8	63,9	6 600	6 600	42,7	62,3	6 100	6 100		86,0
90,0	35,8	58,0	6 200	6 200	38,6	56,1	5 800	5 800		90,0
94,0	31,3	50,9	5 900	5 900	34,0	48,8	5 600	5 600		94,0
98,0	26,1	42,2	5 600	5 600	28,4	39,6	5 500	5 500		98,0
102,0	19,2	30,3	5 400	5 400						102,0

MLC650 VPC-MAX S-3

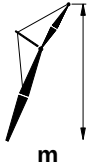
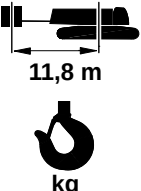
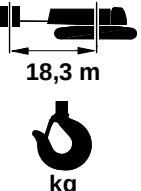
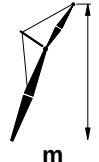
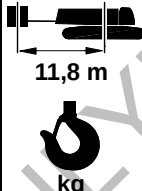
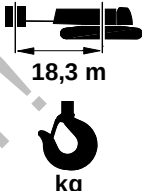
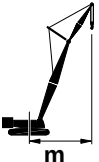
ASME B30.5



68,0 m

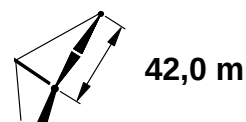
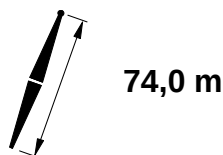
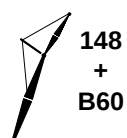


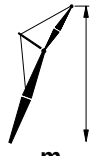
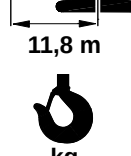
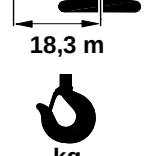
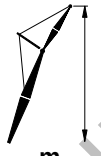
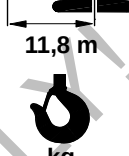
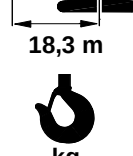
42,0 m

	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
22,9	82,6	111,1	18 800	18 800						22,9
24,0	82,0	110,9	18 500	18 500						24,0
26,0	80,9	110,4	17 900	17 900						26,0
28,0	79,9	110,0	17 300	17 300						28,0
30,0	78,8	109,5	16 800	16 800						30,0
32,0	77,7	108,9	16 200	16 200	82,2	108,4	14 000	14 000		32,0
34,0	76,6	108,3	15 700	15 700	80,0	107,3	13 100	13 100		34,0
36,0	75,5	107,7	15 200	15 200	78,9	106,6	12 700	12 700		36,0
38,0	74,4	107,0	14 700	14 700	77,8	105,9	12 300	12 300		38,0
40,0	73,3	106,3	14 200	14 200	76,6	105,2	11 900	11 900		40,0
42,0	72,2	105,5	13 700	13 700	75,5	104,4	11 600	11 600		42,0
44,0	71,1	104,7	13 300	13 300	74,4	103,6	11 200	11 200		44,0
46,0	69,9	103,8	12 800	12 800	73,2	102,7	10 900	10 900		46,0
48,0	68,8	102,9	12 400	12 400	72,1	101,8	10 600	10 600		48,0
50,0	67,7	102,0	12 000	12 000	70,9	100,8	10 300	10 300		50,0
52,0	66,5	101,0	11 600	11 600	69,7	99,8	10 000	10 000		52,0
54,0	65,3	99,9	11 300	11 300	68,5	98,8	9 700	9 700		54,0
56,0	64,1	98,8	10 900	10 900	67,3	97,6	9 400	9 400		56,0
58,0	62,9	97,6	10 600	10 600	66,1	96,4	9 100	9 100		58,0
60,0	61,7	96,4	10 300	10 300	64,9	95,2	8 900	8 900		60,0
62,0	60,5	95,1	10 000	10 000	63,6	93,9	8 600	8 600		62,0
64,0	59,2	93,8	9 700	9 700	62,4	92,5	8 400	8 400		64,0
66,0	57,9	92,3	9 400	9 400	61,1	91,1	8 200	8 200		66,0
68,0	56,6	90,9	9 100	9 100	59,8	89,6	8 000	8 000		68,0
70,0	55,3	89,3	8 800	8 800	58,4	88,0	7 700	7 700		70,0
74,0	52,6	86,0	8 300	8 300	55,7	84,6	7 400	7 400		74,0
78,0	49,8	82,3	7 800	7 800	52,8	80,9	7 000	7 000		78,0
82,0	46,8	78,2	7 400	7 400	49,8	76,8	6 700	6 700		82,0
86,0	43,7	73,7	7 000	7 000	46,5	72,1	6 400	6 400		86,0
90,0	40,3	68,6	6 600	6 600	43,1	66,9	6 100	6 100		90,0
94,0	36,6	62,8	6 300	6 300	39,3	61,0	5 900	5 900		94,0
98,0	32,6	56,1	6 000	6 000	35,1	54,0	5 700	5 700		98,0
102,0	27,9	48,1	5 700	5 700	30,2	45,6	5 500	5 500		102,0
106,0	22,2	37,8	5 500	5 500						106,0

MLC650 VPC-MAX S-3

ASME B30.5



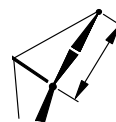
	10°				20°					
										
	m	°	m	kg	kg	°	m	kg	kg	m
22,9		83,0	117,2	19 000	19 000					22,9
24,0		82,4	117,0	18 600	18 600					24,0
26,0		81,4	116,6	18 100	18 100					26,0
28,0		80,4	116,1	17 500	17 500					28,0
30,0		79,4	115,7	17 000	17 000					30,0
32,0		78,4	115,1	16 500	16 500	81,6	114,1	13 700	13 700	32,0
34,0		77,3	114,6	16 000	16 000	80,5	113,5	13 300	13 300	34,0
36,0		76,3	114,0	15 500	15 500	79,5	112,9	12 900	12 900	36,0
38,0		75,3	113,3	15 000	15 000	78,4	112,2	12 500	12 500	38,0
40,0		74,2	112,6	14 500	14 500	77,4	111,5	12 200	12 200	40,0
42,0		73,2	111,9	14 100	14 100	76,3	110,8	11 800	11 800	42,0
44,0		72,1	111,1	13 700	13 700	75,3	110,0	11 500	11 500	44,0
46,0		71,1	110,3	13 200	13 200	74,2	109,2	11 100	11 100	46,0
48,0		70,0	109,5	12 800	12 800	73,1	108,4	10 800	10 800	48,0
50,0		68,9	108,6	12 500	12 500	72,0	107,4	10 500	10 500	50,0
52,0		67,8	107,6	12 100	12 100	70,9	106,5	10 200	10 200	52,0
54,0		66,7	106,7	11 700	11 700	69,8	105,5	10 000	10 000	54,0
56,0		65,6	105,6	11 400	11 400	68,7	104,4	9 700	9 700	56,0
58,0		64,5	104,5	11 000	11 000	67,5	103,3	9 400	9 400	58,0
60,0		63,3	103,4	10 700	10 700	66,4	102,2	9 200	9 200	60,0
62,0		62,2	102,2	10 400	10 400	65,2	101,0	9 000	9 000	62,0
64,0		61,0	101,0	10 100	10 100	64,0	99,7	8 700	8 700	64,0
66,0		59,8	99,6	9 800	9 800	62,8	98,4	8 500	8 500	66,0
68,0		58,6	98,3	9 500	9 500	61,6	97,0	8 300	8 300	68,0
70,0		57,4	96,8	9 300	9 300	60,4	95,6	8 100	8 100	70,0
74,0		54,9	93,8	8 700	8 700	57,9	92,5	7 700	7 700	74,0
78,0		52,4	90,4	8 300	8 300	55,3	89,1	7 300	7 300	78,0
82,0		49,7	86,8	7 800	7 800	52,5	85,3	7 000	7 000	82,0
86,0		46,9	82,7	7 400	7 400	49,7	81,2	6 700	6 700	86,0
90,0		43,9	78,3	7 100	7 100	46,6	76,7	6 400	6 400	90,0
94,0		40,8	73,3	6 700	6 700	43,4	71,6	6 100	6 100	94,0
98,0		37,4	67,7	6 400	6 400	39,9	65,8	5 900	5 900	98,0
102,0		33,6	61,3	6 100	6 100	36,1	59,2	5 700	5 700	102,0
106,0		29,4	53,7	5 800	5 800	31,7	51,3	5 600	5 600	106,0
110,0		24,4	44,4	5 600	5 600					110,0
114,0		17,9	31,8	5 400	5 400					114,0

MLC650 VPC-MAX S-3

ASME B30.5



80,0 m

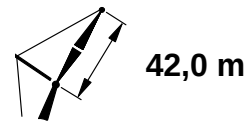
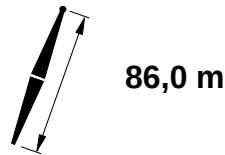


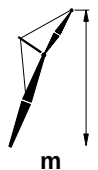
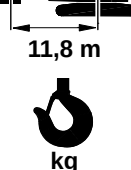
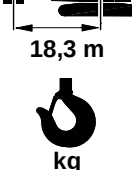
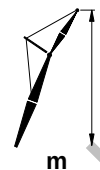
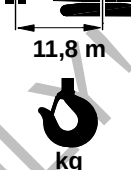
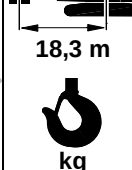
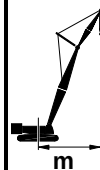
42,0 m

	10°				20°				
	m	°	m	kg	kg	m	kg	kg	m
24,4	82,6	123,0	18 700	18 700					24,4
26,0	81,8	122,7	18 300	18 300					26,0
28,0	80,9	122,3	17 700	17 700					28,0
30,0	79,9	121,8	17 200	17 200					30,0
32,0	78,9	121,3	16 700	16 700					32,0
34,0	78,0	120,8	16 300	16 300	82,0	120,2	13 900	13 900	34,0
36,0	77,0	120,2	15 800	15 800	80,0	119,1	13 100	13 100	36,0
38,0	76,0	119,6	15 300	15 300	79,0	118,5	12 700	12 700	38,0
40,0	75,0	119,0	14 900	14 900	78,0	117,8	12 400	12 400	40,0
42,0	74,0	118,3	14 400	14 400	77,0	117,2	12 000	12 000	42,0
44,0	73,0	117,6	14 000	14 000	76,0	116,4	11 700	11 700	44,0
46,0	72,0	116,8	13 600	13 600	75,0	115,7	11 400	11 400	46,0
48,0	71,0	116,0	13 200	13 200	74,0	114,8	11 100	11 100	48,0
50,0	70,0	115,2	12 800	12 800	73,0	114,0	10 800	10 800	50,0
52,0	69,0	114,3	12 500	12 500	71,9	113,1	10 500	10 500	52,0
54,0	67,9	113,3	12 100	12 100	70,9	112,2	10 200	10 200	54,0
56,0	66,9	112,4	11 800	11 800	69,8	111,2	10 000	10 000	56,0
58,0	65,8	111,3	11 400	11 400	68,8	110,1	9 700	9 700	58,0
60,0	64,8	110,3	11 100	11 100	67,7	109,1	9 500	9 500	60,0
62,0	63,7	109,2	10 800	10 800	66,6	107,9	9 200	9 200	62,0
64,0	62,6	108,0	10 500	10 500	65,5	106,7	9 000	9 000	64,0
66,0	61,5	106,8	10 200	10 200	64,4	105,5	8 800	8 800	66,0
68,0	60,4	105,5	9 900	9 900	63,3	104,2	8 600	8 600	68,0
70,0	59,3	104,2	9 600	9 600	62,1	102,9	8 300	8 300	70,0
74,0	57,0	101,3	9 200	9 200	59,8	100,0	8 000	8 000	74,0
78,0	54,6	98,3	8 700	8 700	57,4	96,9	7 600	7 600	78,0
82,0	52,2	94,9	8 200	8 200	54,9	93,5	7 300	7 300	82,0
86,0	49,6	91,2	7 800	7 800	52,3	89,8	7 000	7 000	86,0
90,0	47,0	87,2	7 400	7 400	49,6	85,7	6 600	6 600	90,0
94,0	44,2	82,8	7 100	7 100	46,7	81,2	6 400	6 400	94,0
98,0	41,2	77,9	6 700	6 700	43,7	76,2	6 200	6 200	98,0
102,0	38,0	72,4	6 400	6 400	40,4	70,6	5 900	5 900	102,0
106,0	34,6	66,3	6 100	6 100	36,9	64,2	5 700	5 700	106,0
110,0	30,7	59,1	5 900	5 900	32,9	56,7	5 600	5 600	110,0
114,0	26,3	50,6	5 600	5 600	28,2	47,8	5 500	5 500	114,0
118,0	20,8	39,7	5 500	5 500					118,0

MLC650 VPC-MAX S-3

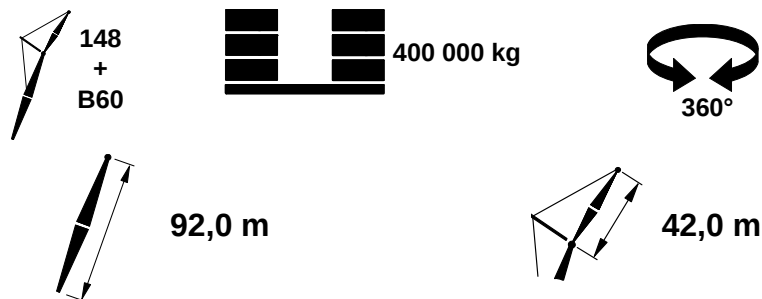
ASME B30.5

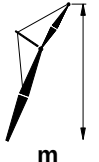
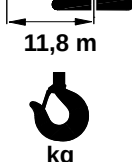
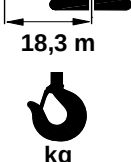
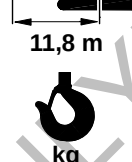
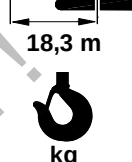
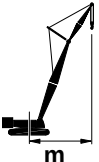


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
24,4	83,0	129,1	18 800	18 800						24,4
26,0	82,2	128,8	18 400	18 400						26,0
28,0	81,3	128,4	17 900	17 900						28,0
30,0	80,4	128,0	17 400	17 400						30,0
32,0	79,5	127,5	17 000	17 000						32,0
34,0	78,6	127,0	16 500	16 500	82,4	126,4	14 000	14 000		34,0
36,0	77,6	126,5	16 100	16 100	81,4	125,9	13 600	13 600		36,0
38,0	76,7	125,9	15 600	15 600	80,5	125,3	13 200	13 200		38,0
40,0	75,8	125,3	15 200	15 200	79,6	124,7	12 900	12 900		40,0
42,0	74,8	124,6	14 800	14 800	78,6	124,1	12 600	12 600		42,0
					77,7	123,5	12 200	12 200		
44,0	73,9	123,9	14 400	14 400	76,7	122,8	11 900	11 900		44,0
46,0	72,9	123,2	14 000	14 000	75,8	122,0	11 600	11 600		46,0
48,0	72,0	122,5	13 600	13 600	74,8	121,3	11 300	11 300		48,0
50,0	71,0	121,7	13 200	13 200	73,8	120,5	11 000	11 000		50,0
52,0	70,0	120,8	12 800	12 800	72,8	119,6	10 800	10 800		52,0
54,0	69,1	119,9	12 500	12 500	71,9	118,7	10 500	10 500		54,0
56,0	68,1	119,0	12 100	12 100	70,9	117,8	10 200	10 200		56,0
58,0	67,1	118,1	11 800	11 800	69,9	116,8	10 000	10 000		58,0
60,0	66,1	117,1	11 500	11 500	68,8	115,8	9 700	9 700		60,0
62,0	65,1	116,0	11 200	11 200	67,8	114,8	9 500	9 500		62,0
64,0	64,0	114,9	10 900	10 900	66,8	113,7	9 300	9 300		64,0
66,0	63,0	113,8	10 600	10 600	65,8	112,5	9 000	9 000		66,0
68,0	62,0	112,6	10 300	10 300	64,7	111,3	8 800	8 800		68,0
70,0	60,9	111,3	10 100	10 100	63,6	110,0	8 600	8 600		70,0
74,0	58,8	108,7	9 600	9 600	61,5	107,4	8 200	8 200		74,0
78,0	56,6	105,8	9 100	9 100	59,2	104,5	7 900	7 900		78,0
82,0	54,3	102,7	8 600	8 600	56,9	101,3	7 500	7 500		82,0
86,0	52,0	99,4	8 200	8 200	54,6	97,9	7 200	7 200		86,0
90,0	49,5	95,7	7 800	7 800	52,1	94,2	6 900	6 900		90,0
94,0	47,0	91,7	7 400	7 400	49,5	90,1	6 700	6 700		94,0
98,0	44,4	87,3	7 100	7 100	46,8	85,7	6 400	6 400		98,0
102,0	41,6	82,5	6 800	6 800	44,0	80,8	6 200	6 200		102,0
106,0	38,6	77,2	6 500	6 500	40,9	75,3	6 000	6 000		106,0
110,0	35,4	71,2	6 200	6 200	37,6	69,1	5 800	5 800		110,0
114,0	31,8	64,4	5 900	5 900	33,9	62,0	5 600	5 600		114,0
118,0	27,8	56,4	5 700	5 700	29,7	53,7	5 500	5 500		118,0
122,0	23,1	46,6	5 500	5 500						122,0
126,0	16,9	33,2	5 400	5 400						126,0

MLC650 VPC-MAX S-3

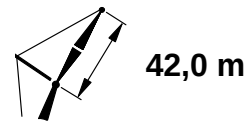
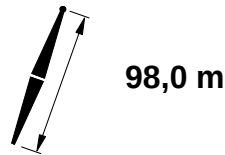
ASME B30.5



	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
25,9	82,6	134,9	18 500	18 500						25,9
26,0	82,6	134,9	18 500	18 500						26,0
28,0	81,7	134,5	18 100	18 100						28,0
30,0	80,8	134,1	17 600	17 600						30,0
32,0	80,0	133,6	17 200	17 200						32,0
34,0	79,1	133,2	16 700	16 700	82,7	132,5	14 100	14 100		34,0
36,0	78,2	132,6	16 300	16 300	81,8	132,0	13 700	13 700		36,0
38,0	77,3	132,1	15 800	15 800	81,0	131,5	13 400	13 400		38,0
40,0	76,4	131,5	15 500	15 500	80,1	130,9	13 100	13 100		40,0
42,0	75,5	130,9	15 000	15 000	79,2	130,3	12 700	12 700		42,0
44,0	74,6	130,2	14 600	14 600	78,3	129,7	12 400	12 400		44,0
46,0	73,7	129,6	14 300	14 300	77,3	129,1	12 100	12 100		46,0
48,0	72,8	128,8	13 900	13 900	76,4	128,4	11 800	11 800		48,0
50,0	71,9	128,1	13 500	13 500	75,5	127,6	11 500	11 500		50,0
52,0	71,0	127,3	13 200	13 200	74,6	126,9	11 200	11 200		52,0
54,0	70,1	126,5	12 800	12 800	73,7	126,1	11 000	11 000		54,0
56,0	69,1	125,6	12 500	12 500	72,7	125,2	10 700	10 700		56,0
58,0	68,2	124,7	12 200	12 200	71,8	124,4	10 500	10 500		58,0
60,0	67,2	123,7	11 900	11 900	70,8	123,4	10 200	10 200		60,0
62,0	66,3	122,7	11 600	11 600	69,9	122,5	10 000	10 000		62,0
64,0	65,3	121,7	11 300	11 300	68,9	121,5	9 700	9 700		64,0
66,0	64,3	120,6	11 000	11 000	67,9	120,4	9 500	9 500		66,0
68,0	63,4	119,5	10 700	10 700	67,0	119,3	9 300	9 300		68,0
70,0	62,4	118,3	10 400	10 400	66,0	118,2	9 100	9 100		70,0
74,0	60,4	115,9	9 900	9 900	65,0	117,0	8 900	8 900		74,0
78,0	58,3	113,2	9 400	9 400	62,9	114,5	8 500	8 500		78,0
82,0	56,2	110,3	9 000	9 000	60,9	111,8	8 100	8 100		82,0
86,0	54,0	107,2	8 600	8 600	58,7	108,9	7 800	7 800		86,0
90,0	51,8	103,8	8 200	8 200	56,5	105,7	7 500	7 500		90,0
94,0	49,5	100,1	7 800	7 800	54,3	102,3	7 200	7 200		94,0
98,0	47,1	96,2	7 500	7 500	51,9	98,6	6 900	6 900		98,0
102,0	44,5	91,8	7 100	7 100	49,4	94,5	6 700	6 700		102,0
106,0	41,9	87,1	6 800	6 800	46,9	90,1	6 400	6 400		106,0
110,0	39,1	81,8	6 500	6 500	44,2	85,3	6 200	6 200		110,0
114,0	36,0	76,0	6 300	6 300	41,3	79,9	6 000	6 000		114,0
118,0	32,8	69,4	6 000	6 000	38,2	73,9	5 800	5 800		118,0
122,0	29,1	61,9	5 800	5 800	34,8	67,1	5 700	5 700		122,0
126,0	24,9	52,8	5 600	5 600	31,0	59,3	5 500	5 500		126,0
130,0	19,7	41,3	5 500	5 500	26,5	49,7	5 400	5 400		130,0

MLC650 VPC-MAX S-3

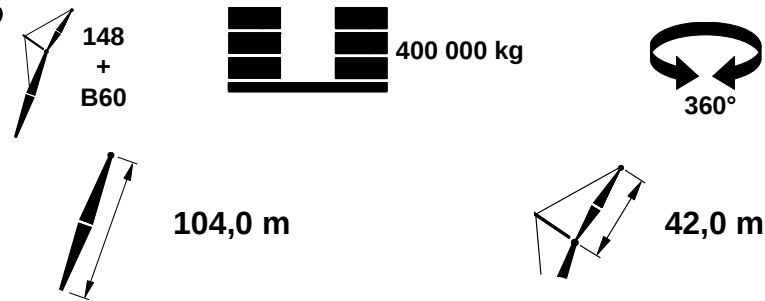
ASME B30.5

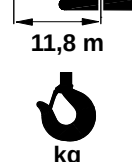
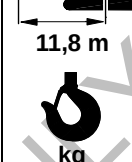
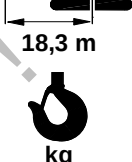


	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
25,9	82,9	141,0	18 600	18 600						25,9
26,0	82,9	141,0	18 600	18 600						26,0
28,0	82,1	140,6	18 200	18 200						28,0
30,0	81,2	140,2	17 700	17 700						30,0
32,0	80,4	139,8	17 300	17 300						32,0
34,0	79,6	139,3	16 900	16 900	82,2	138,2	13 800	13 800		34,0
36,0	78,7	138,8	16 500	16 500	81,4	137,7	13 500	13 500		36,0
38,0	77,9	138,3	16 100	16 100	80,5	137,1	13 200	13 200		38,0
40,0	77,0	137,8	15 700	15 700	79,6	136,6	12 900	12 900		40,0
42,0	76,2	137,2	15 300	15 300	78,8	136,0	12 600	12 600		42,0
44,0	75,3	136,5	14 900	14 900	77,9	135,3	12 300	12 300		44,0
46,0	74,4	135,9	14 500	14 500	77,0	134,7	12 000	12 000		46,0
48,0	73,6	135,2	14 200	14 200	76,2	134,0	11 700	11 700		48,0
50,0	72,7	134,5	13 800	13 800	75,3	133,3	11 400	11 400		50,0
52,0	71,8	133,7	13 500	13 500	74,4	132,5	11 200	11 200		52,0
54,0	71,0	132,9	13 200	13 200	73,5	131,7	10 900	10 900		54,0
56,0	70,1	132,1	12 800	12 800	72,6	130,9	10 700	10 700		56,0
58,0	69,2	131,3	12 500	12 500	71,7	130,0	10 400	10 400		58,0
60,0	68,3	130,4	12 200	12 200	70,8	129,1	10 200	10 200		60,0
62,0	67,4	129,4	11 900	11 900	69,9	128,1	10 000	10 000		62,0
64,0	66,5	128,4	11 600	11 600	69,0	127,2	9 800	9 800		64,0
66,0	65,6	127,4	11 300	11 300	68,1	126,1	9 500	9 500		66,0
68,0	64,6	126,4	11 100	11 100	67,1	125,1	9 300	9 300		68,0
70,0	63,7	125,3	10 800	10 800	66,2	124,0	9 100	9 100		70,0
74,0	61,8	122,9	10 300	10 300	64,3	121,6	8 800	8 800		74,0
78,0	59,9	120,4	9 800	9 800	62,3	119,1	8 400	8 400		78,0
82,0	57,9	117,7	9 400	9 400	60,3	116,3	8 100	8 100		82,0
86,0	55,9	114,8	8 900	8 900	58,3	113,4	7 700	7 700		86,0
90,0	53,8	111,7	8 500	8 500	56,2	110,2	7 400	7 400		90,0
94,0	51,6	108,3	8 100	8 100	54,0	106,7	7 100	7 100		94,0
98,0	49,4	104,6	7 800	7 800	51,7	103,0	6 900	6 900		98,0
102,0	47,1	100,7	7 500	7 500	49,4	99,0	6 700	6 700		102,0
106,0	44,7	96,4	7 200	7 200	46,9	94,6	6 400	6 400		106,0
110,0	42,2	91,7	6 900	6 900	44,4	89,9	6 200	6 200		110,0
114,0	39,5	86,5	6 600	6 600	41,6	84,6	6 000	6 000		114,0
118,0	36,7	80,8	6 300	6 300	38,7	78,8	5 800	5 800		118,0
122,0	33,6	74,5	6 100	6 100	35,6	72,2	5 700	5 700		122,0
126,0	30,2	67,3	5 900	5 900	32,1	64,7	5 600	5 600		126,0
130,0	26,4	58,8	4 300	5 700	28,1	55,9	4 900	5 400		130,0
134,0	21,9	48,5		5 500						134,0

MLC650 VPC-MAX S-3

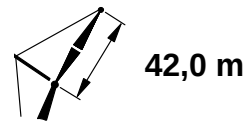
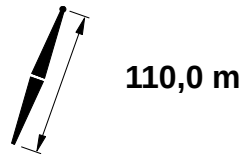
ASME B30.5

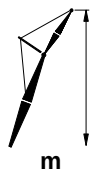
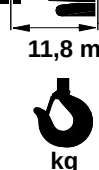
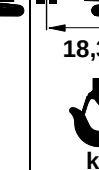
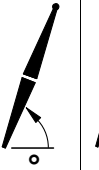
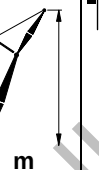
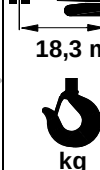


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
27,4	82,6	146,8	18 300	18 300					27,4
28,0	82,4	146,7	18 200	18 200					28,0
30,0	81,6	146,3	17 800	17 800					30,0
32,0	80,8	145,9	17 400	17 400					32,0
34,0	80,0	145,5	17 100	17 100	82,5	144,3	13 900	13 900	34,0
36,0	79,2	145,0	16 600	16 600	81,7	143,8	13 600	13 600	36,0
38,0	78,4	144,5	16 300	16 300	80,9	143,3	13 300	13 300	38,0
40,0	77,6	144,0	15 900	15 900	80,1	142,8	13 000	13 000	40,0
42,0	76,8	143,4	15 500	15 500	79,3	142,2	12 700	12 700	42,0
44,0	75,9	142,8	15 200	15 200	78,4	141,6	12 400	12 400	44,0
46,0	75,1	142,2	14 800	14 800	77,6	141,0	12 200	12 200	46,0
48,0	74,3	141,5	14 400	14 400	76,8	140,3	11 900	11 900	48,0
50,0	73,5	140,9	14 100	14 100	75,9	139,6	11 600	11 600	50,0
52,0	72,6	140,1	13 800	13 800	75,1	138,9	11 400	11 400	52,0
54,0	71,8	139,4	13 400	13 400	74,3	138,1	11 100	11 100	54,0
56,0	70,9	138,6	13 100	13 100	73,4	137,3	10 900	10 900	56,0
58,0	70,1	137,8	12 800	12 800	72,5	136,5	10 700	10 700	58,0
60,0	69,2	136,9	12 500	12 500	71,7	135,7	10 400	10 400	60,0
62,0	68,4	136,0	12 200	12 200	70,8	134,8	10 200	10 200	62,0
64,0	67,5	135,1	11 900	11 900	69,9	133,8	10 000	10 000	64,0
66,0	66,6	134,1	11 700	11 700	69,1	132,8	9 800	9 800	66,0
68,0	65,8	133,1	11 400	11 400	68,2	131,8	9 600	9 600	68,0
70,0	64,9	132,1	11 100	11 100	67,3	130,8	9 400	9 400	70,0
74,0	63,1	129,9	10 600	10 600	65,5	128,5	9 000	9 000	74,0
78,0	61,3	127,5	10 200	10 200	63,6	126,1	8 700	8 700	78,0
82,0	59,4	125,0	9 700	9 700	61,7	123,6	8 300	8 300	82,0
86,0	57,5	122,2	9 300	9 300	59,8	120,8	8 000	8 000	86,0
90,0	55,6	119,3	8 900	8 900	57,8	117,8	7 700	7 700	90,0
94,0	53,6	116,1	8 500	8 500	55,8	114,6	7 400	7 400	94,0
98,0	51,5	112,7	8 100	8 100	53,7	111,2	7 100	7 100	98,0
102,0	49,4	109,1	7 800	7 800	51,6	107,5	6 900	6 900	102,0
106,0	47,2	105,1	7 500	7 500	49,3	103,5	6 600	6 600	106,0
110,0	44,9	100,9	7 200	7 200	47,0	99,1	6 400	6 400	110,0
114,0	42,5	96,2	6 900	6 900	44,6	94,4	6 200	6 200	114,0
118,0	39,9	91,2	6 600	6 600	42,0	89,2	6 000	6 000	118,0
122,0	37,3	85,6	6 400	6 400	39,2	83,6	5 900	5 900	122,0
126,0	34,4	79,5	6 100	6 100	36,3	77,2	5 700	5 700	126,0
130,0	31,2	72,5	4 900	5 900	33,0	70,0	5 500	5 600	130,0
134,0	27,7	64,6	3 100	5 700	29,4	61,7	3 800	5 500	134,0
138,0	23,7	55,1		5 600					138,0
142,0	18,7	43,0		5 400					142,0

MLC650 VPC-MAX S-3

ASME B30.5



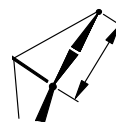
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
27,4	82,9	152,9	18 400	18 400						27,4
28,0	82,7	152,8	18 300	18 300						28,0
30,0	81,9	152,4	17 900	17 900						30,0
32,0	81,2	152,1	17 500	17 500						32,0
34,0	80,4	151,6	17 100	17 100						34,0
36,0	79,6	151,2	16 800	16 800	82,1	150,0	13 700	13 700		36,0
38,0	78,9	150,7	16 400	16 400	81,3	149,5	13 400	13 400		38,0
40,0	78,1	150,2	16 000	16 000	80,5	149,0	13 100	13 100		40,0
42,0	77,3	149,7	15 700	15 700	79,7	148,4	12 800	12 800		42,0
44,0	76,5	149,1	15 300	15 300	78,9	147,9	12 600	12 600		44,0
46,0	75,7	148,5	15 000	15 000	78,1	147,3	12 300	12 300		46,0
48,0	74,9	147,9	14 600	14 600	77,3	146,6	12 000	12 000		48,0
50,0	74,1	147,2	14 300	14 300	76,5	146,0	11 800	11 800		50,0
52,0	73,3	146,5	14 000	14 000	75,7	145,3	11 500	11 500		52,0
54,0	72,5	145,8	13 700	13 700	74,9	144,5	11 300	11 300		54,0
56,0	71,7	145,0	13 300	13 300	74,1	143,8	11 000	11 000		56,0
58,0	70,9	144,3	13 100	13 100	73,3	143,0	10 800	10 800		58,0
60,0	70,1	143,4	12 800	12 800	72,5	142,2	10 600	10 600		60,0
62,0	69,3	142,6	12 500	12 500	71,6	141,3	10 400	10 400		62,0
64,0	68,5	141,7	12 200	12 200	70,8	140,4	10 200	10 200		64,0
66,0	67,6	140,8	11 900	11 900	70,0	139,5	9 900	9 900		66,0
68,0	66,8	139,8	11 600	11 600	69,1	138,5	9 800	9 800		68,0
70,0	66,0	138,8	11 400	11 400	68,3	137,5	9 500	9 500		70,0
74,0	64,3	136,8	10 900	10 900	66,6	135,4	9 200	9 200		74,0
78,0	62,5	134,5	10 400	10 400	64,8	133,1	8 800	8 800		78,0
82,0	60,8	132,1	10 000	10 000	63,0	130,7	8 500	8 500		82,0
86,0	59,0	129,5	9 500	9 500	61,2	128,1	8 200	8 200		86,0
90,0	57,1	126,7	9 200	9 200	59,4	125,3	7 900	7 900		90,0
94,0	55,3	123,8	8 800	8 800	57,5	122,3	7 600	7 600		94,0
98,0	53,3	120,6	8 400	8 400	55,5	119,1	7 300	7 300		98,0
102,0	51,4	117,2	8 100	8 100	53,5	115,6	7 100	7 100		102,0
106,0	49,3	113,6	7 800	7 800	51,4	111,9	6 900	6 900		106,0
110,0	47,2	109,6	7 500	7 500	49,3	107,9	6 600	6 600		110,0
114,0	45,0	105,4	7 200	7 200	47,1	103,6	6 400	6 400		114,0
118,0	42,7	100,8	6 900	6 900	44,7	99,0	6 200	6 200		118,0
122,0	40,3	95,8	6 600	6 600	42,3	93,9	6 000	6 000		122,0
126,0	37,8	90,4	6 400	6 400	39,7	88,3	5 700	5 900		126,0
130,0	35,1	84,4	6 200	6 200	36,9	82,2	5 700	5 700		130,0
134,0	32,1	77,7	6 000	6 000	33,8	75,3	5 600	5 600		134,0
138,0	28,9	70,1	5 800	5 800	30,5	67,4	5 500	5 500		138,0
142,0	25,2	61,2		5 600	26,6	58,1		5 400		142,0
146,0	20,9	50,4		5 500						146,0

MLC650 VPC-MAX S-3

ASME B30.5



116,0 m

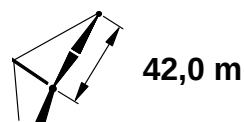
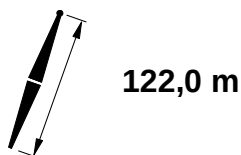
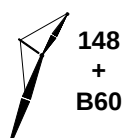


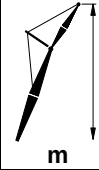
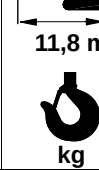
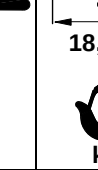
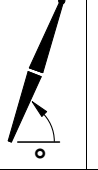
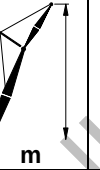
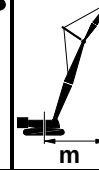
42,0 m

	10°				20°				
	m	°	m	kg	kg	m	kg	kg	m
29,0	82,6	158,7	18 100	18 100					29,0
30,0	82,2	158,6	17 900	17 900					30,0
32,0	81,5	158,2	17 500	17 500					32,0
34,0	80,8	157,8	17 200	17 200					34,0
36,0	80,0	157,3	16 800	16 800					36,0
38,0	79,3	156,9	16 500	16 500	82,4	156,1	13 800	13 800	38,0
40,0	78,5	156,4	16 100	16 100	80,9	155,1	13 200	13 200	40,0
42,0	77,8	155,9	15 800	15 800	80,1	154,6	12 900	12 900	42,0
44,0	77,0	155,3	15 500	15 500	79,4	154,1	12 700	12 700	44,0
46,0	76,3	154,8	15 100	15 100	78,6	153,5	12 400	12 400	46,0
48,0	75,5	154,1	14 800	14 800	77,8	152,9	12 100	12 100	48,0
50,0	74,8	153,5	14 500	14 500	77,1	152,3	11 900	11 900	50,0
52,0	74,0	152,9	14 200	14 200	76,3	151,6	11 700	11 700	52,0
54,0	73,2	152,2	13 800	13 800	75,5	150,9	11 400	11 400	54,0
56,0	72,5	151,5	13 600	13 600	74,7	150,2	11 200	11 200	56,0
58,0	71,7	150,7	13 300	13 300	74,0	149,4	11 000	11 000	58,0
60,0	70,9	149,9	13 000	13 000	73,2	148,6	10 800	10 800	60,0
62,0	70,1	149,1	12 700	12 700	72,4	147,8	10 500	10 500	62,0
64,0	69,3	148,3	12 400	12 400	71,6	147,0	10 300	10 300	64,0
66,0	68,5	147,4	12 100	12 100	70,8	146,1	10 100	10 100	66,0
68,0	67,8	146,5	11 900	11 900	70,0	145,2	9 900	9 900	68,0
70,0	66,9	145,5	11 600	11 600	69,2	144,2	9 700	9 700	70,0
74,0	65,3	143,5	11 200	11 200	67,5	142,2	9 400	9 400	74,0
78,0	63,7	141,4	10 700	10 700	65,9	140,0	9 000	9 000	78,0
82,0	62,0	139,1	10 200	10 200	64,2	137,7	8 700	8 700	82,0
86,0	60,3	136,7	9 800	9 800	62,5	135,2	8 400	8 400	86,0
90,0	58,6	134,0	9 400	9 400	60,7	132,6	8 100	8 100	90,0
94,0	56,8	131,3	9 000	9 000	58,9	129,8	7 800	7 800	94,0
98,0	55,0	128,3	8 700	8 700	57,1	126,8	7 500	7 500	98,0
102,0	53,1	125,1	8 400	8 400	55,2	123,5	7 300	7 300	102,0
106,0	51,2	121,7	8 000	8 000	53,3	120,1	7 000	7 000	106,0
110,0	49,3	118,0	7 700	7 700	51,3	116,4	6 800	6 800	110,0
114,0	47,3	114,1	7 400	7 400	49,2	112,4	6 600	6 600	114,0
118,0	45,1	109,9	7 200	7 200	47,1	108,1	6 400	6 400	118,0
122,0	43,0	105,4	6 200	6 900	44,9	103,5	6 200	6 200	122,0
126,0	40,7	100,5	4 200	6 700	42,5	98,5	5 600	6 100	126,0
130,0	38,2	95,1		6 400	40,1	93,0	3 600	5 900	130,0
134,0	35,7	89,3		6 200	37,4	87,0		5 700	134,0
138,0	32,9	82,8		6 000	34,6	80,4		5 600	138,0
142,0	29,9	75,5		5 800	31,5	72,8		5 500	142,0
146,0	26,5	67,1		5 700	28,0	64,1		5 500	146,0
150,0	22,6	57,2		5 500					150,0
154,0	17,9	44,6		5 400					154,0

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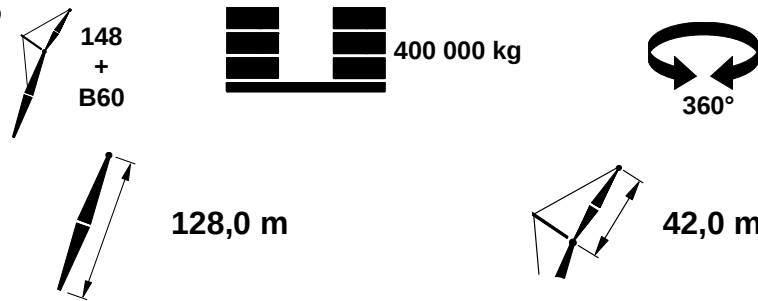
ASME B30.5

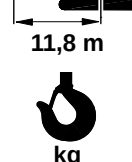
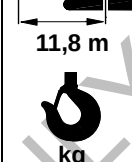
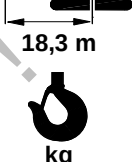


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
29,0	82,9	164,8	18 100	18 100					29,0
30,0	82,5	164,6	17 900	17 900					30,0
32,0	81,8	164,3	17 600	17 600					32,0
34,0	81,1	163,9	17 200	17 200					34,0
36,0	80,4	163,5	16 900	16 900					36,0
38,0	79,7	163,0	16 600	16 600	81,9	161,8	13 600	13 600	38,0
40,0	79,0	162,6	16 300	16 300	81,2	161,3	13 300	13 300	40,0
42,0	78,2	162,1	15 900	15 900	80,5	160,8	13 000	13 000	42,0
44,0	77,5	161,5	15 600	15 600	79,8	160,3	12 700	12 700	44,0
46,0	76,8	161,0	15 300	15 300	79,0	159,7	12 500	12 500	46,0
48,0	76,1	160,4	15 000	15 000	78,3	159,1	12 300	12 300	48,0
50,0	75,3	159,8	14 700	14 700	77,6	158,5	12 000	12 000	50,0
52,0	74,6	159,2	14 400	14 400	76,8	157,9	11 800	11 800	52,0
54,0	73,9	158,5	14 100	14 100	76,1	157,2	11 600	11 600	54,0
56,0	73,1	157,8	13 800	13 800	75,3	156,5	11 300	11 300	56,0
58,0	72,4	157,1	13 500	13 500	74,6	155,8	11 100	11 100	58,0
60,0	71,6	156,4	13 200	13 200	73,8	155,1	10 900	10 900	60,0
62,0	70,9	155,6	12 900	12 900	73,1	154,3	10 700	10 700	62,0
64,0	70,1	154,8	12 700	12 700	72,3	153,5	10 500	10 500	64,0
66,0	69,4	153,9	12 400	12 400	71,6	152,6	10 300	10 300	66,0
68,0	68,6	153,1	12 100	12 100	70,8	151,7	10 100	10 100	68,0
70,0	67,9	152,2	11 900	11 900	70,0	150,8	9 900	9 900	70,0
74,0	66,3	150,3	11 400	11 400	68,5	148,9	9 500	9 500	74,0
78,0	64,7	148,2	11 000	11 000	66,9	146,8	9 200	9 200	78,0
82,0	63,1	146,0	10 500	10 500	65,3	144,6	8 900	8 900	82,0
86,0	61,5	143,7	10 100	10 100	63,6	142,3	8 600	8 600	86,0
90,0	59,9	141,2	9 700	9 700	62,0	139,8	8 300	8 300	90,0
94,0	58,2	138,6	9 300	9 300	60,3	137,1	8 000	8 000	94,0
98,0	56,5	135,8	9 000	9 000	58,5	134,3	7 700	7 700	98,0
102,0	54,8	132,8	8 700	8 700	56,8	131,2	7 500	7 500	102,0
106,0	53,0	129,6	8 300	8 300	55,0	128,0	7 200	7 200	106,0
110,0	51,1	126,1	8 000	8 000	53,1	124,5	7 000	7 000	110,0
114,0	49,2	122,5	7 700	7 700	51,2	120,8	6 800	6 800	114,0
118,0	47,3	118,6	6 000	7 400	49,2	116,9	6 600	6 600	118,0
122,0	45,3	114,4	3 900	7 200	47,2	112,6	5 600	6 400	122,0
126,0	43,2	109,9		6 900	45,0	108,0	3 500	6 200	126,0
130,0	41,0	105,1		6 700	42,8	103,1		6 100	130,0
134,0	38,7	99,8		6 500	40,4	97,7		5 900	134,0
138,0	36,2	94,1		6 300	37,9	91,9		5 800	138,0
142,0	33,6	87,8		6 100	35,2	85,4		5 700	142,0
146,0	30,8	80,8		5 900	32,3	78,2		5 500	146,0
150,0	27,7	72,8		5 700	29,1	69,9		5 500	150,0
154,0	24,2	63,6		5 600					154,0
158,0	20,0	52,3		5 400					158,0

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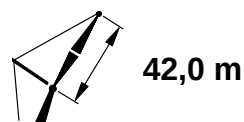
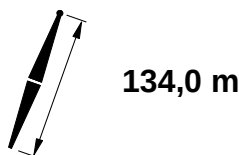
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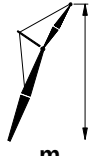
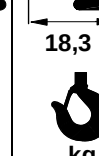
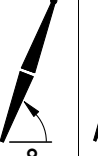


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
30,5	82,6	170,6	17 800	17 800					30,5
32,0	82,1	170,4	17 500	17 500					32,0
34,0	81,4	170,0	17 200	17 200					34,0
36,0	80,7	169,6	16 900	16 900					36,0
38,0	80,1	169,1	16 600	16 600					38,0
40,0	79,4	168,7	16 300	16 300	82,2	167,9	13 600	13 600	40,0
42,0	78,7	168,2	16 000	16 000	80,8	166,9	13 100	13 100	42,0
44,0	78,0	167,7	15 700	15 700	80,1	166,4	12 800	12 800	44,0
46,0	77,3	167,2	15 400	15 400	79,4	165,9	12 600	12 600	46,0
48,0	76,6	166,6	15 100	15 100	78,7	165,3	12 400	12 400	48,0
50,0	75,9	166,0	14 800	14 800	78,0	164,8	12 100	12 100	50,0
52,0	75,2	165,4	14 500	14 500	77,3	164,1	11 900	11 900	52,0
54,0	74,5	164,8	14 200	14 200	76,6	163,5	11 700	11 700	54,0
56,0	73,8	164,1	13 900	13 900	75,9	162,8	11 500	11 500	56,0
58,0	73,0	163,4	13 700	13 700	75,2	162,1	11 300	11 300	58,0
60,0	72,3	162,7	13 400	13 400	74,4	161,4	11 000	11 000	60,0
62,0	71,6	162,0	13 100	13 100	73,7	160,7	10 800	10 800	62,0
64,0	70,9	161,2	12 900	12 900	73,0	159,9	10 700	10 700	64,0
66,0	70,2	160,4	12 600	12 600	72,2	159,1	10 400	10 400	66,0
68,0	69,4	159,6	12 400	12 400	71,5	158,2	10 300	10 300	68,0
70,0	68,7	158,7	12 100	12 100	70,8	157,4	10 100	10 100	70,0
74,0	67,2	156,9	11 700	11 700	69,3	155,5	9 700	9 700	74,0
78,0	65,7	154,9	11 200	11 200	67,8	153,6	9 400	9 400	78,0
82,0	64,2	152,8	10 800	10 800	66,2	151,4	9 100	9 100	82,0
86,0	62,6	150,6	10 400	10 400	64,7	149,2	8 800	8 800	86,0
90,0	61,1	148,3	10 000	10 000	63,1	146,8	8 500	8 500	90,0
94,0	59,5	145,8	9 600	9 600	61,5	144,3	8 200	8 200	94,0
98,0	57,9	143,1	9 200	9 200	59,8	141,6	7 900	7 900	98,0
102,0	56,2	140,2	8 900	8 900	58,2	138,7	7 700	7 700	102,0
106,0	54,5	137,2	8 600	8 600	56,5	135,6	7 400	7 400	106,0
110,0	52,8	134,0	8 300	8 300	54,7	132,4	7 200	7 200	110,0
114,0	51,0	130,6	7 600	8 000	52,9	128,9	7 000	7 000	114,0
118,0	49,2	126,9	7 700	7 700	51,1	125,2	6 800	6 800	118,0
122,0	47,3	123,0	7 400	7 400	49,2	121,3	6 600	6 600	122,0
126,0	45,4	118,9	7 200	7 200	47,2	117,1	6 400	6 400	126,0
130,0	43,4	114,4		7 000	45,1	112,5		6 200	130,0
134,0	41,2	109,6		6 700	43,0	107,7		6 100	134,0
138,0	39,0	104,5		6 500	40,7	102,4		5 900	138,0
142,0	36,7	98,8		6 300	38,4	96,6		5 800	142,0
146,0	34,2	92,7		6 100	35,8	90,3		5 700	146,0
150,0	31,6	85,9		5 900	33,1	83,3		5 600	150,0
154,0	28,7	78,3		5 800	30,1	75,4		5 500	154,0
158,0	25,4	69,5		5 600	26,7	66,3		5 400	158,0
162,0	21,7	59,2		5 500					162,0
166,0	17,1	46,1		5 400					166,0

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	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
30,5	82,9	176,7	17 700	17 700						30,5
32,0	82,4	176,4	17 500	17 500						32,0
34,0	81,7	176,1	17 200	17 200						34,0
36,0	81,1	175,7	16 900	16 900						36,0
38,0	80,4	175,3	16 600	16 600						38,0
40,0	79,7	174,8	16 300	16 300	82,5	174,0	13 600	13 600		40,0
42,0	79,1	174,4	16 000	16 000	81,8	173,6	13 300	13 300		42,0
44,0	78,4	173,9	15 800	15 800	81,2	173,1	13 100	13 100		44,0
46,0	77,7	173,4	15 500	15 500	80,5	172,6	12 900	12 900		46,0
48,0	77,0	172,9	15 200	15 200	79,8	172,1	12 600	12 600		48,0
50,0	76,4	172,3	14 900	14 900	79,1	171,6	12 400	12 400		50,0
52,0	75,7	171,7	14 600	14 600	78,4	171,0	12 200	12 200		52,0
54,0	75,0	171,1	14 400	14 400	77,8	170,4	12 000	12 000		54,0
56,0	74,3	170,5	14 100	14 100	77,1	169,8	11 800	11 800		56,0
58,0	73,6	169,8	13 800	13 800	76,4	169,1	11 600	11 600		58,0
60,0	73,0	169,1	13 500	13 500	75,7	168,5	11 400	11 400		60,0
62,0	72,3	168,4	13 300	13 300	75,0	167,8	11 200	11 200		62,0
64,0	71,6	167,6	13 000	13 000	74,3	167,1	11 000	11 000		64,0
66,0	70,9	166,9	12 800	12 800	73,6	166,3	10 800	10 800		66,0
68,0	70,2	166,1	12 600	12 600	72,9	165,5	10 600	10 600		68,0
70,0	69,5	165,2	12 300	12 300	72,2	164,7	10 400	10 400		70,0
74,0	68,0	163,5	11 900	11 900	71,5	163,9	10 200	10 200		74,0
78,0	66,6	161,6	11 400	11 400	70,0	162,1	9 900	9 900		78,0
82,0	65,1	159,6	11 000	11 000	68,6	160,2	9 600	9 600		82,0
86,0	63,7	157,5	10 600	10 600	67,1	158,2	9 200	9 200		86,0
90,0	62,2	155,2	10 200	10 200	65,6	156,1	8 900	8 900		90,0
94,0	60,7	152,9	9 900	9 900	64,1	153,8	8 600	8 600		94,0
98,0	59,1	150,3	9 500	9 500	62,6	151,4	8 400	8 400		98,0
102,0	57,5	147,6	9 200	9 200	61,0	148,8	8 100	8 100		102,0
106,0	55,9	144,7	8 800	8 800	59,5	146,1	7 900	7 900		106,0
110,0	54,3	141,7	7 800	8 500	57,8	143,2	7 600	7 600		110,0
114,0	52,6	138,5	5 400	8 200	56,2	140,1	7 400	7 400		114,0
118,0	50,9	135,0		8 000	54,5	136,8	7 200	7 200		118,0
122,0	49,2	131,4		7 700	52,7	133,4	5 200	7 000		122,0
126,0	47,3	127,5		7 400	51,0	129,7		6 800		126,0
130,0	45,5	123,4		7 200	49,1	125,8		6 600		130,0
134,0	43,5	119,0		6 900	47,2	121,6		6 400		134,0
138,0	41,5	114,2		6 700	45,3	117,1		6 300		138,0
142,0	39,4	109,1		6 500	43,2	112,2		6 100		142,0
146,0	37,2	103,6		6 300	41,0	107,0		6 000		146,0
150,0	34,8	97,6		6 200	38,8	101,4		5 800		150,0
154,0	32,3	91,0		6 000	36,4	95,3		5 700		154,0
158,0	29,6	83,7		5 800	33,8	88,5		5 600		158,0
162,0	26,6	75,4		5 700	31,0	80,9		5 500		162,0
166,0	23,2	65,7		5 500	27,9	72,3		5 500		166,0
170,0	19,2	54,0		5 400						170,0