

Liftcrane Jib Capacities

Jib No. 117 on
 Boom No. B10:290
 20 610 kg Crane Counterweight
 0 kg Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Static Machine List
 No Travel - 360 Degree Rating

MLC90A-1 SERIES 1



LIFTING CAPACITIES: Chart supplements Boom Capacity chart **No. 9759-AM**. Lifting capacities are for a crawler machine when operating on a barge. Machine shall be positively secured to prevent shifting. Lifting capacities for various boom lengths, jib lengths, and jib operating radii are for freely suspended loads and may be based on percent of static tipping or strength of structural components. Capacities must be reduced by applicable deducts.

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

OPERATING CONDITIONS: Machine to operate on a firm and uniformly supporting surface with machine list not to exceed degrees noted. Refer to Boom Rigging **No. 80121887**, Jib Rigging **No. 84054323**, Wire Rope Specifications chart **No. 9756-A**, Counterweight Arrangements chart **No. 9745-A**, and Wind Conditions chart **No. 9755-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.



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



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



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

MACHINE EQUIPMENT: Machine equipped with 6 480 mm crawlers, 900 mm treads, 4 390 mm gantry, 8 part boom hoist reeving, two 32 mm boom pendants, 20 610 kg crane counterweight, and 0 kg carbody counterweight.

Refer to Tables 1 and 2 for raising ability with the maximum weight of all load blocks, hooks, weight ball, slings, and hoist lines beneath boom and jib point sheaves. For block weights shown with #, load blocks, hooks, weight ball, and slings must remain on barge deck until combined weights are within rated capacity of chart. Raising is not permitted in shaded areas of table.

Caution: Combined weight beneath boom and jib point sheaves must not exceed block weight shown. Total weight beneath jib point must not exceed 325 kg.

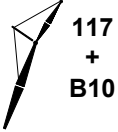
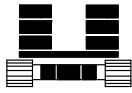


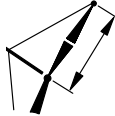



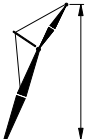
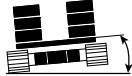

Table 1

Over End or Side of Crawlers								
Boom Length (m)	Jib No. 117							
	9,1 m		12,2 m		15,2 m		18,3 m	
	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°
	Block Weight (kg)							
19,0 - 31,0	1 725	1 725	1 725	1 725	1 725	1 725	1 725	1 725
34,0	1 725	1 725	1 725	1 725	1 200	1 200	1 200	1 200
37,0	1 200	1 200	325	325	325	325	325	325
40,0	325	325	325	325	325	325	#	#
43,0	#	#	#	#	#	#	#	#
46,0	Raising Not Permitted							
49,0	Raising Not Permitted							

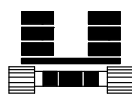
Table 2

Over End of Blocked Crawlers								
Boom Length (m)	Jib No. 117							
	9,1 m		12,2 m		15,2 m		18,3 m	
	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°
	Block Weight (kg)							
19,0 - 31,0	1 725	1 725	1 725	1 725	1 725	1 725	1 725	1 725
34,0	1 725	1 725	1 725	1 725	1 725	1 725	1 725	1 725
37,0	1 725	1 725	1 725	1 725	1 725	1 725	1 200	1 200
40,0	1 200	1 200	1 200	1 200	1 200	1 200	325	325
43,0	325	325	325	325	325	325	325	325
46,0	325	325	325	325	#	#	#	#
49,0	#	#	Raising Not Permitted					
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.								

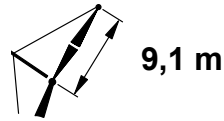
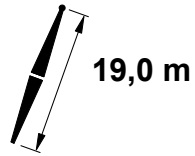
Explanation of Symbols

	Jib No. 117 + Boom No. B10:290
	Crane Counterweight + Carbody 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)
	Machine List
	Lifting Capacities (see page 1)

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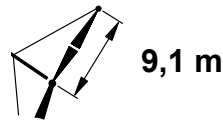
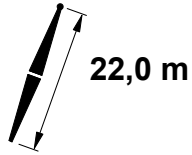
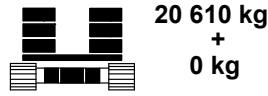
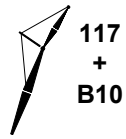
20 610 kg
+
0 kg



			10°				30°						
			0°	1°	2°	3°			0°	1°	2°	3°	
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
7,9	80,7	29,8	12 500										7,9
8,0	80,5	29,7	12 500										8,0
10,0	76,4	29,2	12 500	12 500	11 300	10 200							10,0
12,0	72,1	28,5	12 500	12 300	11 100	10 000	77,1	27,7	8 900	8 700	8 600		12,0
14,0	67,6	27,6	12 500	11 900	10 900	9 900	72,6	26,8	8 200	8 100	8 000	7 900	14,0
16,0	63,0	26,5	10 500	10 000	9 600	9 100	67,8	25,6	7 700	7 600	7 500	7 400	16,0
18,0	58,2	25,2	8 900	8 600	8 200	7 900	62,8	24,3	7 200	7 200	7 100	7 000	18,0
20,0	53,1	23,6	7 700	7 400	7 100	6 800	57,5	22,6	6 900	6 800	6 700	6 700	20,0
22,0	47,5	21,7	6 700	6 500	6 200	6 000	51,6	20,6	6 500	6 400	6 300	6 200	22,0
24,0	41,3	19,3	5 900	5 700	5 500	5 400	44,9	18,1	6 000	5 800	5 600	5 400	24,0
26,0	34,0	16,3	5 200	5 100	4 900	4 800							26,0

REFER TO ONLY

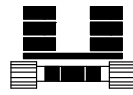
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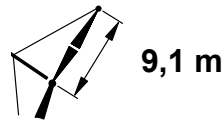
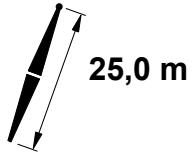
			10°				30°								
			0°	1°	2°	3°			0°	1°	2°	3°			
			kg	kg	kg	kg	°	m	kg	kg	kg	kg			
8,5	80,5	32,7	12 500	12 500	11 300									8,5	
10,0	77,7	32,3	12 500	12 400	11 100	78,5	30,9	9 100	8 900					10,0	
12,0	73,9	31,7	12 500	11 800	11 000	10 100								12,0	
14,0	70,0	30,9	12 500	11 800	11 000	9 900	74,4	30,1	8 400	8 300	8 200	8 100		14,0	
16,0	65,9	29,9	10 500	9 900	9 400	8 900	70,3	29,1	7 900	7 800	7 700	7 600		16,0	
18,0	61,7	28,8	8 800	8 400	8 000	7 600	65,9	27,9	7 500	7 400	7 300	7 200		18,0	
20,0	57,3	27,4	7 600	7 300	7 000	6 700	61,4	26,5	7 100	7 000	6 900	6 800		20,0	
22,0	52,6	25,8	6 600	6 400	6 100	5 900	56,5	24,8	6 700	6 500	6 200	6 000		22,0	
24,0	47,6	23,9	5 800	5 600	5 400	5 200	51,2	22,9	5 900	5 700	5 500	5 300		24,0	
26,0	42,0	21,6	5 100	4 900	4 800	4 600	45,4	20,4	5 200	5 000	4 900	4 700		26,0	
28,0	35,7	18,8	4 500	4 400	4 300	4 100	38,6	17,4	4 600	4 500	4 300	4 200		28,0	
30,0	28,0	15,1	4 000	3 900	3 800	3 700								30,0	

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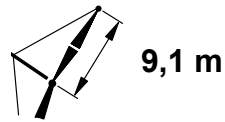
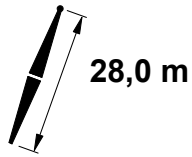
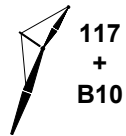


20 610 kg
+
0 kg



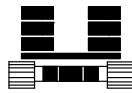
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			0°	1°	2°	3°			0°	1°	2°	3°	
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
9,1	80,3	35,6	12 500										9,1
10,0	78,8	35,4	12 500	12 500									10,0
12,0	75,3	34,8	12 500	12 500	11 200	10 100	79,6	34,0	9 200	8 500	8 400	8 000	12,0
14,0	71,8	34,1	12 400	11 600	10 900	10 000	75,9	33,3	8 600	8 500	8 400	8 000	14,0
16,0	68,2	33,3	10 300	9 700	9 200	8 700	72,2	32,4	8 200	8 000	7 900	7 800	16,0
18,0	64,4	32,2	8 700	8 300	7 800	7 400	68,4	31,4	7 700	7 600	7 500	7 400	18,0
20,0	60,5	31,0	7 500	7 100	6 800	6 500	64,4	30,1	7 300	7 200	7 000	6 600	20,0
22,0	56,5	29,7	6 500	6 200	5 900	5 700	60,2	28,7	6 700	6 400	6 100	5 800	22,0
24,0	52,2	28,0	5 700	5 400	5 200	5 000	55,7	27,0	5 800	5 600	5 400	5 100	24,0
26,0	47,6	26,2	5 000	4 800	4 600	4 400	50,9	25,0	5 100	4 900	4 700	4 500	26,0
28,0	42,6	23,9	4 400	4 300	4 100	4 000	45,7	22,7	4 500	4 300	4 200	4 000	28,0
30,0	37,0	21,2	3 900	3 800	3 700	3 500	39,7	19,8	4 000	3 900	3 700	3 600	30,0
32,0	30,4	17,8	3 500	3 400	3 300	3 200	32,4	16,1	3 500	3 400	3 300	3 200	32,0

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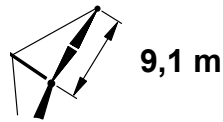
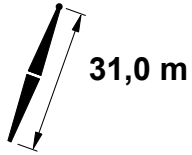


			10°				30°								
			0°	1°	2°	3°			0°	1°	2°	3°			
			kg	kg	kg	kg	°	m	kg	kg	kg	kg			
9,8	80,1	38,6	12 500											9,8	
10,0	79,7	38,5	12 500											10,0	
12,0	76,6	38,0	12 500	12 500	11 200	10 100								12,0	
14,0	73,3	37,3	12 300	11 500	10 700	9 900	77,2	36,5	8 800	8 700	8 500	7 800		14,0	
16,0	70,0	36,6	10 300	9 600	9 000	8 500	73,8	35,7	8 300	8 200	8 100	7 800		16,0	
18,0	66,7	35,6	8 600	8 100	7 700	7 300	70,3	34,8	7 900	7 800	7 700	7 400		18,0	
20,0	63,2	34,6	7 400	7 000	6 600	6 300	66,8	33,7	7 500	7 200	6 900	6 500		20,0	
22,0	59,6	33,3	6 400	6 100	5 800	5 500	63,0	32,4	6 600	6 300	6 000	5 700		22,0	
24,0	55,9	31,9	5 600	5 300	5 100	4 900	59,2	30,9	5 800	5 500	5 300	5 000		24,0	
26,0	51,9	30,3	4 900	4 700	4 500	4 300	55,1	29,2	5 100	4 800	4 600	4 400		26,0	
28,0	47,7	28,4	4 400	4 200	4 000	3 800	50,7	27,3	4 500	4 300	4 100	3 900		28,0	
30,0	43,2	26,2	3 900	3 700	3 600	3 400	45,9	25,0	3 900	3 800	3 600	3 500		30,0	
32,0	38,1	23,6	3 400	3 300	3 200	3 100	40,6	22,2	3 500	3 400	3 200	3 100		32,0	
34,0	32,4	20,5	3 100	3 000	2 900	2 800	34,4	18,8	3 100	3 000	2 900	2 800		34,0	
36,0	25,4	16,3	2 700	2 600	2 600	2 500								36,0	

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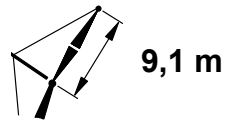
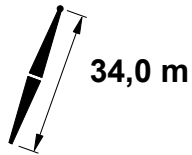


20 610 kg
+
0 kg



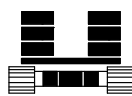
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			0°	1°	2°	3°			0°	1°	2°	3°	
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
9,8	80,9	41,6	12 500										9,8
10,0	80,5	41,6	12 500										10,0
12,0	77,6	41,1	12 500	12 500	11 100								12,0
14,0	74,6	40,5	12 200	11 300	10 500	9 700	78,2	39,6	9 000	8 800	8 700		14,0
16,0	71,6	39,8	10 100	9 400	8 800	8 200	75,1	38,9	8 500	8 400	8 200		16,0
18,0	68,5	38,9	8 500	8 000	7 500	7 000	71,9	38,0	8 100	8 000	7 700	7 200	18,0
20,0	65,4	38,0	7 300	6 900	6 500	6 100	68,7	37,1	7 500	7 100	6 700	6 300	20,0
22,0	62,1	36,9	6 300	6 000	5 600	5 300	65,4	35,9	6 500	6 200	5 800	5 500	22,0
24,0	58,8	35,6	5 500	5 200	4 900	4 700	61,9	34,6	5 700	5 400	5 100	4 900	24,0
26,0	55,3	34,1	4 800	4 600	4 400	4 100	58,3	33,1	5 000	4 700	4 500	4 300	26,0
28,0	51,6	32,5	4 200	4 000	3 900	3 700	54,5	31,4	4 400	4 200	4 000	3 800	28,0
30,0	47,7	30,6	3 800	3 600	3 400	3 300	50,5	29,5	3 800	3 700	3 500	3 400	30,0
32,0	43,5	28,5	3 300	3 200	3 000	2 900	46,1	27,2	3 400	3 300	3 100	3 000	32,0
34,0	39,0	26,0	2 900	2 800	2 700	2 600	41,3	24,6	3 000	2 900	2 800	2 600	34,0
36,0	33,9	23,0	2 600	2 500	2 400	2 300	35,8	21,3	2 600	2 500	2 400	2 300	36,0
38,0	27,8	19,2	2 300	2 200	2 100	2 100							38,0

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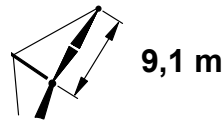
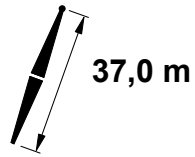


			10°				30°							
			0°	1°	2°	3°			0°	1°	2°	3°		
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m	
10,4	80,7	44,6	12 500	12 500									10,4	
12,0	78,5	44,2	12 500	11 100									12,0	
14,0	75,7	43,6	12 100	9 300	10 200	9 500	79,0	42,8	9 100	9 000			14,0	
16,0	72,9	43,0	10 000	8 600	8 600	8 000	76,2	42,1	8 700	8 500	8 400	7 500	16,0	
18,0	70,1	42,2	8 400	7 900	7 300	6 800	73,3	41,3	8 300	8 000	7 600	7 100	18,0	
20,0	67,2	41,3	7 200	6 700	6 300	5 900	70,3	40,4	7 500	7 000	6 600	6 200	20,0	
22,0	64,2	40,3	6 200	5 800	5 500	5 200	67,3	39,3	6 400	6 100	5 700	5 400	22,0	
24,0	61,2	39,1	5 400	5 100	4 800	4 500	64,2	38,2	5 600	5 300	5 000	4 700	24,0	
26,0	58,1	37,8	4 700	4 500	4 200	4 000	60,9	36,8	4 900	4 600	4 400	4 100	26,0	
28,0	54,8	36,4	4 100	3 900	3 700	3 500	57,6	35,3	4 300	4 100	3 900	3 700	28,0	
30,0	51,3	34,7	3 700	3 500	3 300	3 100	54,0	33,6	3 800	3 600	3 400	3 200	30,0	
32,0	47,7	32,9	3 200	3 100	2 900	2 800	50,3	31,7	3 300	3 200	3 000	2 900	32,0	
34,0	43,9	30,7	2 800	2 700	2 600	2 500	46,3	29,5	2 900	2 800	2 700	2 500	34,0	
36,0	39,7	28,3	2 500	2 400	2 300	2 200	41,9	26,9	2 600	2 500	2 300	2 200	36,0	
38,0	35,1	25,4	2 200	2 100	2 000	1 900	36,9	23,8	2 300	2 200	2 100	2 000	38,0	
40,0	29,7	21,9	1 900	1 900	1 800	1 700							40,0	
42,0	23,2	17,4	1 700	1 600	1 600	1 500							42,0	

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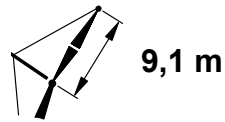
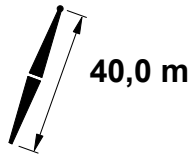
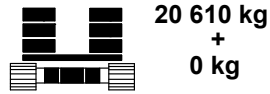
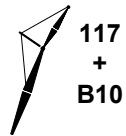


20 610 kg
+
0 kg



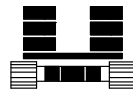
			10°				30°						
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
11,0	80,5	47,5	12 500										11,0
12,0	79,2	47,3	12 500	12 500									12,0
14,0	76,7	46,8	12 000	11 000	10 000	9 200	79,8	45,9	9 200	9 100			14,0
16,0	74,1	46,1	9 900	9 100	8 400	7 800	77,2	45,3	8 800	8 700	8 400		16,0
18,0	71,5	45,4	8 300	7 700	7 200	6 600	74,5	44,5	8 400	8 000	7 500	6 900	18,0
20,0	68,8	44,6	7 100	6 600	6 100	5 700	71,7	43,7	7 400	6 900	6 400	6 000	20,0
22,0	66,1	43,7	6 100	5 700	5 300	5 000	69,0	42,7	6 300	5 900	5 600	5 200	22,0
24,0	63,3	42,6	5 300	4 900	4 600	4 400	66,1	41,7	5 500	5 200	4 800	4 500	24,0
26,0	60,4	41,4	4 600	4 300	4 100	3 800	63,2	40,5	4 800	4 500	4 200	4 000	26,0
28,0	57,4	40,1	4 000	3 800	3 600	3 400	60,1	39,1	4 200	3 900	3 700	3 500	28,0
30,0	54,4	38,6	3 500	3 300	3 100	3 000	57,0	37,6	3 700	3 500	3 300	3 100	30,0
32,0	51,2	37,0	3 100	2 900	2 800	2 600	53,6	35,9	3 200	3 000	2 900	2 700	32,0
34,0	47,8	35,1	2 700	2 600	2 400	2 300	50,1	33,9	2 800	2 700	2 500	2 400	34,0
36,0	44,2	33,0	2 400	2 300	2 100	2 000	46,4	31,7	2 500	2 300	2 200	2 100	36,0
38,0	40,3	30,6	2 100	2 000	1 900	1 800	42,4	29,2	2 200	2 000	1 900	1 800	38,0
40,0	36,1	27,8	1 800	1 700	1 600	1 600	37,9	26,3	1 900	1 800	1 700	1 600	40,0
42,0	31,4	24,6	1 600	1 500	1 400	1 300	32,8	22,8	1 600	1 500	1 400	1 400	42,0
44,0	25,7	20,5	1 400	1 300	1 200	1 200							44,0

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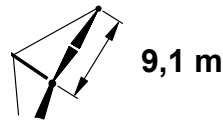
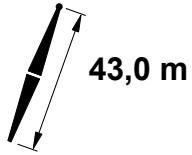


			10°				30°								
			0°	1°	2°	3°			0°	1°	2°	3°			
			kg	kg	kg	kg	°	m	kg	kg	kg	kg			
11,6	80,4	50,4	12 500											11,6	
12,0	79,9	50,3	12 500											12,0	
14,0	77,5	49,8	11 900	10 800	9 800	9 000	80,4	49,0	9 300	8 800	8 300			14,0	
16,0	75,1	49,3	9 800	9 000	8 200	7 600	78,0	48,4	8 900	8 400	7 900			16,0	
18,0	72,6	48,6	8 200	7 600	7 000	6 500	75,5	47,7	8 400	7 900	7 300	6 700		18,0	
20,0	70,2	47,8	7 000	6 500	6 000	5 600	72,9	46,9	7 300	6 800	6 300	5 800		20,0	
22,0	67,6	47,0	6 000	5 600	5 200	4 800	70,4	46,0	6 300	5 800	5 400	5 100		22,0	
24,0	65,0	46,0	5 200	4 800	4 500	4 200	67,7	45,1	5 400	5 100	4 700	4 400		24,0	
26,0	62,4	44,9	4 500	4 200	3 900	3 700	65,0	43,9	4 700	4 400	4 100	3 900		26,0	
28,0	59,7	43,7	3 900	3 700	3 500	3 200	62,2	42,7	4 100	3 900	3 600	3 400		28,0	
30,0	56,9	42,4	3 400	3 200	3 000	2 800	59,4	41,3	3 600	3 400	3 200	3 000		30,0	
32,0	54,0	40,9	3 000	2 800	2 700	2 500	56,4	39,8	3 100	3 000	2 800	2 600		32,0	
34,0	51,0	39,2	2 600	2 500	2 300	2 200	53,3	38,1	2 800	2 600	2 400	2 300		34,0	
36,0	47,8	37,3	2 300	2 200	2 000	1 900	50,0	36,1	2 400	2 300	2 100	2 000		36,0	
38,0	44,4	35,3	2 000	1 900	1 800	1 700	46,5	34,0	2 100	2 000	1 800	1 700		38,0	
40,0	40,9	32,9	1 800	1 600	1 500	1 400	42,8	31,5	1 800	1 700	1 600	1 500		40,0	
42,0	37,0	30,2	1 500	1 400	1 300	1 200	38,7	28,7	1 600	1 500	1 400	1 300		42,0	
44,0	32,7	27,1	1 300	1 200	1 100	1 100	34,1	25,4	1 300	1 200	1 200	1 100		44,0	
46,0	27,7	23,3	1 100	1 000										46,0	

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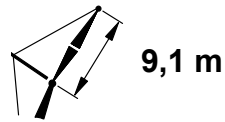
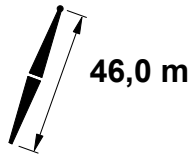
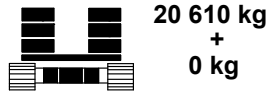
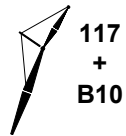


20 610 kg
+
0 kg



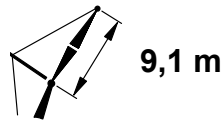
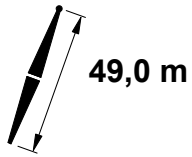
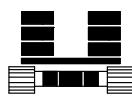
			10°				30°						
			0°	1°	2°	3°			0°	1°	2°	3°	
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
11,6	80,9	53,5	12 500										11,6
12,0	80,5	53,4	12 500										12,0
14,0	78,2	53,0	11 800	10 600	9 600		81,0	52,1	9 400	8 800			14,0
16,0	76,0	52,4	9 700	8 800	8 100	7 400	78,7	51,5	9 100	8 400			16,0
18,0	73,7	51,8	8 100	7 400	6 800	6 300	76,4	50,9	8 400	7 800	7 200	6 500	18,0
20,0	71,4	51,1	6 900	6 300	5 800	5 400	74,0	50,2	7 200	6 600	6 100	5 700	20,0
22,0	69,0	50,3	5 900	5 400	5 000	4 700	71,6	49,3	6 200	5 700	5 300	4 900	22,0
24,0	66,6	49,4	5 100	4 700	4 400	4 000	69,2	48,4	5 300	4 900	4 600	4 300	24,0
26,0	64,2	48,4	4 400	4 100	3 800	3 500	66,7	47,4	4 600	4 300	4 000	3 700	26,0
28,0	61,6	47,2	3 800	3 600	3 300	3 100	64,1	46,2	4 000	3 700	3 500	3 200	28,0
30,0	59,1	46,0	3 300	3 100	2 900	2 700	61,5	45,0	3 500	3 300	3 000	2 800	30,0
32,0	56,4	44,6	2 900	2 700	2 500	2 300	58,7	43,6	3 000	2 800	2 600	2 500	32,0
34,0	53,7	43,1	2 500	2 400	2 200	2 000	55,9	42,0	2 700	2 500	2 300	2 100	34,0
36,0	50,8	41,4	2 200	2 000	1 900	1 800	53,0	40,3	2 300	2 100	2 000	1 900	36,0
38,0	47,8	39,6	1 900	1 800	1 600	1 500	49,9	38,4	2 000	1 900	1 700	1 600	38,0
40,0	44,7	37,5	1 600	1 500	1 400	1 300	46,7	36,3	1 700	1 600	1 500	1 400	40,0
42,0	41,4	35,2	1 400	1 300	1 200	1 100	43,2	33,8	1 500	1 400	1 300	1 200	42,0
44,0	37,7	32,6	1 200	1 100	1 000	900	39,4	31,1	1 200	1 100	1 000	1 000	44,0
46,0	33,8	29,6	1 000				35,2	27,9	1 000				46,0

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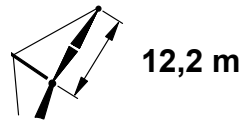
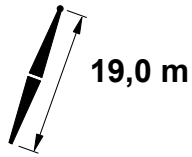
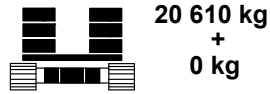
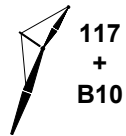
	10°						30°							
			20 610 kg + 0 kg						20 610 kg + 0 kg					
	m	°	0°	1°	2°	3°	°	m	0°	1°	2°	3°		m
12,2	80,8	56,4	12 500											12,2
14,0	78,9	56,0	11 700	10 500	9 400									14,0
16,0	76,8	55,5	9 600	8 700	7 900	7 200	79,3	54,6	9 200	7 700	7 000			16,0
18,0	74,6	54,9	8 000	7 300	6 600	6 100	77,2	54,0	8 300	7 000	6 000			18,0
20,0	72,4	54,3	6 800	6 200	5 700	5 200	74,9	53,3	7 100	6 500	6 000	5 500		20,0
22,0	70,2	53,5	5 800	5 300	4 900	4 500	72,7	52,6	6 100	5 600	5 200	4 800		22,0
24,0	68,0	52,7	5 000	4 600	4 200	3 900	70,4	51,7	5 200	4 800	4 500	4 100		24,0
26,0	65,7	51,7	4 300	4 000	3 600	3 400	68,1	50,8	4 500	4 200	3 900	3 600		26,0
28,0	63,3	50,7	3 700	3 400	3 200	2 900	65,7	49,7	3 900	3 600	3 400	3 100		28,0
30,0	60,9	49,5	3 200	3 000	2 800	2 500	63,2	48,5	3 400	3 200	2 900	2 700		30,0
32,0	58,5	48,3	2 800	2 600	2 400	2 200	60,7	47,2	2 900	2 700	2 500	2 300		32,0
34,0	56,0	46,9	2 400	2 200	2 100	1 900	58,1	45,8	2 600	2 400	2 200	2 000		34,0
36,0	53,4	45,3	2 100	1 900	1 800	1 600	55,5	44,2	2 200	2 000	1 900	1 700		36,0
38,0	50,7	43,7	1 800	1 700	1 500	1 400	52,7	42,5	1 900	1 800	1 600	1 500		38,0
40,0	47,8	41,8	1 500	1 400	1 300	1 200	49,8	40,6	1 600	1 500	1 400	1 200		40,0
42,0	44,9	39,8	1 300	1 200	1 100	1 000	46,7	38,5	1 400	1 300	1 100	1 000		42,0
44,0	41,7	37,5	1 100	1 000	900		43,5	36,1	1 100	1 000	900			44,0

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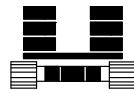
			10°				30°						
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
12,8	80,7	59,4	12 500										12,8
14,0	79,5	59,1	11 600	10 300									14,0
16,0	77,5	58,6	9 500	8 500	7 700		79,9	57,7	9 300	7 500			16,0
18,0	75,4	58,1	7 900	7 100	6 500	5 900	77,9	57,2	8 300	6 400	5 800	5 300	18,0
20,0	73,4	57,5	6 600	6 000	5 500	5 000	75,8	56,5	7 000	5 400			20,0
22,0	71,3	56,7	5 700	5 200	4 700	4 300	73,6	55,8	6 000	5 500	5 000	4 600	22,0
24,0	69,2	55,9	4 800	4 400	4 100	3 700	71,5	55,0	5 100	4 700	4 300	4 000	24,0
26,0	67,0	55,1	4 200	3 800	3 500	3 200	69,3	54,1	4 400	4 100	3 700	3 400	26,0
28,0	64,8	54,1	3 600	3 300	3 000	2 800	67,1	53,1	3 800	3 500	3 200	3 000	28,0
30,0	62,6	53,0	3 100	2 800	2 600	2 400	64,8	52,0	3 300	3 000	2 800	2 600	30,0
32,0	60,3	51,8	2 700	2 500	2 200	2 000	62,5	50,8	2 800	2 600	2 400	2 200	32,0
34,0	58,0	50,6	2 300	2 100	1 900	1 800	60,1	49,5	2 500	2 300	2 100	1 900	34,0
36,0	55,6	49,1	2 000	1 800	1 600	1 500	57,6	48,1	2 100	1 900	1 800	1 600	36,0
38,0	53,1	47,6	1 700	1 500	1 400	1 200	55,1	46,5	1 800	1 600	1 500	1 300	38,0
40,0	50,6	45,9	1 400	1 300	1 200	1 000	52,5	44,8	1 500	1 400	1 200	1 100	40,0
42,0	47,9	44,1	1 200	1 100	900		49,7	42,9	1 300	1 100	1 000		42,0
44,0	45,1	42,0	1 000				46,8	40,8	1 000	900			44,0

MLC90A-1 S-1

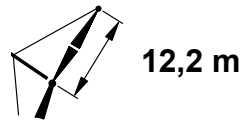
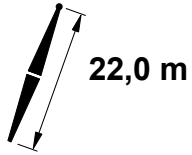


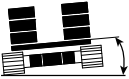
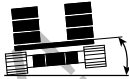






			10°				30°							
			0°	1°	2°	3°			0°	1°	2°	3°		
			kg	kg	kg	kg	°	m	kg	kg	kg	kg		
9,1	80,9	32,5	12 000										9,1	
10,0	79,2	32,3	11 800	10 400									10,0	
12,0	75,4	31,7	11 400	10 100	8 900	8 000							12,0	
14,0	71,5	30,9	11 100	9 900	8 700	7 800	77,6	29,9	7 100	7 000	6 900	6 200	14,0	
16,0	67,4	29,9	10 500	9 600	8 500	7 600	73,4	28,9	6 600	6 500	6 400	5 900	16,0	
18,0	63,2	28,8	9 100	8 700	8 200	7 500	69,0	27,7	6 200	6 100	6 000	5 700	18,0	
20,0	58,8	27,4	7 800	7 500	7 200	6 900	64,4	26,3	5 800	5 800	5 700	5 500	20,0	
22,0	54,1	25,8	6 900	6 600	6 300	6 100	59,5	24,6	5 500	5 500	5 400	5 300	22,0	
24,0	49,1	23,9	6 000	5 800	5 600	5 400	54,2	22,6	5 300	5 200	5 200	5 100	24,0	
26,0	43,5	21,6	5 300	5 200	5 000	4 800	48,2	20,2	5 100	5 000	5 000	5 000	26,0	
28,0	37,2	18,8	4 800	4 600	4 500	4 400	41,3	17,0	4 800	4 700	4 600	4 400	28,0	
30,0	29,5	15,1	4 300	4 200	4 000	3 900							30,0	

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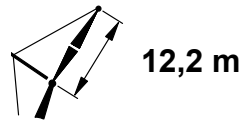
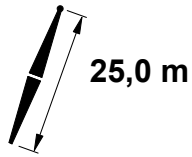
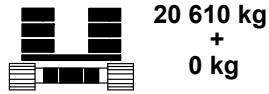


20 610 kg
+
0 kg



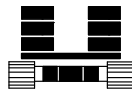
			10°				30°						
													
 m	 °	 m	0°	1°	2°	3°	 °	 m	0°	1°	2°	3°	 m
			kg	kg	kg	kg			kg	kg	kg	kg	
9,8	80,6	35,5	11 900										9,8
10,0	80,2	35,4	11 900										10,0
12,0	76,7	34,8	11 500	10 200	8 900	8 000							12,0
14,0	73,2	34,1	11 200	9 900	8 800	7 800	78,8	33,1	7 200	7 100	7 000		14,0
16,0	69,6	33,3	10 500	9 600	8 600	7 700	75,1	32,2	6 800	6 700	6 600	6 000	16,0
18,0	65,8	32,2	9 000	8 500	8 000	7 600	71,2	31,2	6 400	6 300	6 200	6 000	18,0
20,0	61,9	31,1	7 800	7 400	7 000	6 700	67,2	29,9	6 000	6 000	5 900	5 800	20,0
22,0	57,9	29,7	6 800	6 500	6 200	5 900	62,9	28,5	5 700	5 700	5 600	5 600	22,0
24,0	53,6	28,0	5 900	5 700	5 500	5 300	58,4	26,8	5 500	5 400	5 400	5 300	24,0
26,0	49,0	26,2	5 300	5 100	4 900	4 700	53,6	24,8	5 200	5 200	5 000	4 800	26,0
28,0	44,0	23,9	4 700	4 500	4 400	4 200	48,3	22,4	4 800	4 600	4 500	4 300	28,0
30,0	38,4	21,2	4 200	4 000	3 900	3 800	42,2	19,5	4 300	4 100	4 000	3 900	30,0
32,0	31,9	17,8	3 700	3 600	3 500	3 400	34,8	15,7	3 800	3 700	3 600	3 500	32,0

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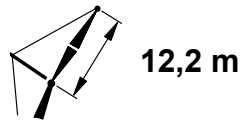
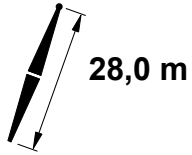


			10°				30°								
			0°	1°	2°	3°			0°	1°	2°	3°			
			kg	kg	kg	kg	°	m	kg	kg	kg	kg			
10,4	80,4	38,4	11 900											10,4	
12,0	77,8	38,0	11 600	10 200	9 000									12,0	
14,0	74,6	37,3	11 300	10 000	8 800	7 900	79,8	36,3	7 400	7 200				14,0	
16,0	71,3	36,5	10 500	9 600	8 700	7 800	76,4	35,5	6 900	6 800	6 700	5 800		16,0	
18,0	67,9	35,6	8 900	8 400	7 900	7 400	72,9	34,5	6 500	6 400	6 400	5 800		18,0	
20,0	64,5	34,5	7 600	7 200	6 900	6 500	69,3	33,4	6 200	6 100	6 000	5 800		20,0	
22,0	60,9	33,3	6 600	6 300	6 000	5 700	65,6	32,1	5 900	5 800	5 800	5 700		22,0	
24,0	57,1	31,9	5 800	5 600	5 300	5 100	61,6	30,6	5 700	5 600	5 400	5 300		24,0	
26,0	53,1	30,3	5 100	4 900	4 700	4 500	57,5	28,9	5 300	5 100	4 900	4 700		26,0	
28,0	48,9	28,4	4 600	4 400	4 200	4 000	53,1	27,0	4 700	4 500	4 300	4 200		28,0	
30,0	44,4	26,2	4 100	3 900	3 800	3 600	48,2	24,6	4 200	4 000	3 900	3 700		30,0	
32,0	39,4	23,6	3 600	3 500	3 400	3 300	42,8	21,8	3 700	3 600	3 500	3 300		32,0	
34,0	33,6	20,4	3 200	3 100	3 000	2 900	36,4	18,3	3 300	3 200	3 100	3 000		34,0	
36,0	26,5	16,3	2 900	2 800	2 700	2 600								36,0	

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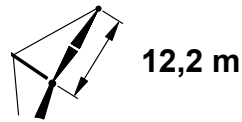
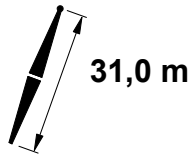
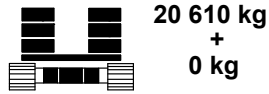
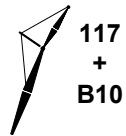


20 610 kg
+
0 kg



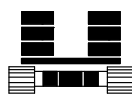
			10°				30°						
			0°	1°	2°	3°			0°	1°	2°	3°	
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
11,0	80,3	41,3	11 800										11,0
12,0	78,8	41,1	11 700	10 200									12,0
14,0	75,8	40,5	11 400	10 000	8 800	7 900	80,6	39,4	7 500				14,0
16,0	72,8	39,8	10 400	9 500	8 600	7 800	77,5	38,7	7 100	6 900	6 800		16,0
18,0	69,7	38,9	8 800	8 300	7 800	7 300	74,3	37,8	6 700	6 600	6 500	5 600	18,0
20,0	66,6	38,0	7 600	7 100	6 700	6 400	71,1	36,8	6 400	6 300	6 200	5 600	20,0
22,0	63,3	36,9	6 600	6 200	5 900	5 600	67,7	35,7	6 100	6 000	5 900	5 600	22,0
24,0	60,0	35,6	5 700	5 500	5 200	4 900	64,2	34,4	5 800	5 600	5 400	5 100	24,0
26,0	56,5	34,1	5 100	4 800	4 600	4 400	60,6	32,9	5 200	5 000	4 800	4 600	26,0
28,0	52,8	32,5	4 500	4 300	4 100	3 900	56,8	31,1	4 600	4 400	4 300	4 100	28,0
30,0	48,9	30,6	4 000	3 800	3 700	3 500	52,7	29,2	4 100	4 000	3 800	3 600	30,0
32,0	44,7	28,5	3 600	3 400	3 300	3 100	48,3	26,9	3 700	3 500	3 400	3 200	32,0
34,0	40,2	26,0	3 200	3 100	2 900	2 800	43,4	24,2	3 300	3 100	3 000	2 900	34,0
36,0	35,0	22,9	2 800	2 700	2 600	2 500	37,8	20,9	2 900	2 800	2 700	2 600	36,0
38,0	29,0	19,2	2 500	2 500	2 400	2 300							38,0

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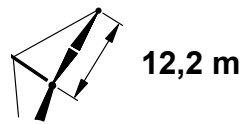
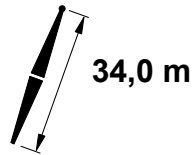


			10°				30°						
 m	 °	 m	0°	1°	2°	3°	 °	 m	0°	1°	2°	3°	 m
			kg	kg	kg	kg			kg	kg	kg	kg	
11,0	81,0	44,4	11 800										11,0
12,0	79,6	44,2	11 700										12,0
14,0	76,8	43,6	11 500	10 100	8 800	7 900							14,0
16,0	74,0	42,9	10 300	9 500	8 500	7 800	78,4	41,8	7 200	7 000			16,0
18,0	71,2	42,2	8 700	8 100	7 600	7 100	75,5	41,0	6 800	6 700	6 600	5 500	18,0
20,0	68,3	41,3	7 400	7 000	6 600	6 200	72,5	40,1	6 500	6 400	6 300	5 500	20,0
22,0	65,4	40,3	6 500	6 100	5 700	5 400	69,5	39,1	6 200	6 100	5 900	5 500	22,0
24,0	62,3	39,1	5 600	5 300	5 000	4 800	66,3	37,9	5 800	5 600	5 300	5 000	24,0
26,0	59,2	37,8	5 000	4 700	4 500	4 200	63,1	36,6	5 200	4 900	4 700	4 400	26,0
28,0	55,9	36,4	4 400	4 200	4 000	3 800	59,7	35,0	4 600	4 300	4 100	3 900	28,0
30,0	52,4	34,7	3 900	3 700	3 500	3 300	56,1	33,3	4 000	3 800	3 700	3 500	30,0
32,0	48,8	32,8	3 400	3 300	3 100	3 000	52,3	31,4	3 600	3 400	3 300	3 100	32,0
34,0	45,0	30,7	3 100	2 900	2 800	2 700	48,2	29,1	3 200	3 000	2 900	2 800	34,0
36,0	40,8	28,3	2 700	2 600	2 500	2 400	43,8	26,5	2 800	2 700	2 600	2 500	36,0
38,0	36,2	25,4	2 400	2 300	2 200	2 100	38,8	23,4	2 500	2 400	2 300	2 200	38,0
40,0	30,8	21,9	2 200	2 100	2 000	1 900							40,0
42,0	24,3	17,4	1 900	1 800	1 800	1 700							42,0

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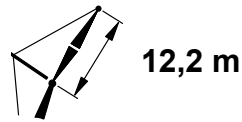
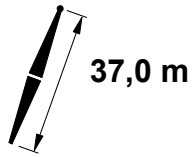
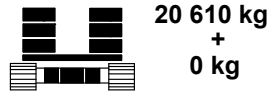
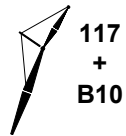


20 610 kg
+
0 kg



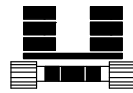
			10°				30°						
 m	 °	 m	 kg	 kg	 kg	 kg	 °	 m	 kg	 kg	 kg	 kg	 m
11,6	80,8	47,3	11 800										11,6
12,0	80,3	47,2	11 700										12,0
14,0	77,7	46,7	11 500	10 100	8 800	7 800							14,0
16,0	75,1	46,1	10 200	9 400	8 500	7 700	79,2	45,0	7 300				16,0
18,0	72,5	45,4	8 600	8 000	7 400	6 900	76,5	44,2	6 900	6 800	6 500		18,0
20,0	69,8	44,6	7 300	6 900	6 400	6 000	73,8	43,4	6 600	6 500	6 400	5 400	20,0
22,0	67,1	43,6	6 400	6 000	5 600	5 200	71,0	42,4	6 300	6 100	5 900	5 300	22,0
24,0	64,3	42,6	5 500	5 200	4 900	4 600	68,1	41,3	5 800	5 500	5 200	4 900	24,0
26,0	61,4	41,4	4 800	4 600	4 300	4 100	65,1	40,1	5 100	4 800	4 500	4 300	26,0
28,0	58,5	40,1	4 300	4 000	3 800	3 600	62,1	38,8	4 500	4 200	4 000	3 800	28,0
30,0	55,4	38,6	3 800	3 600	3 400	3 200	58,9	37,2	3 900	3 700	3 600	3 400	30,0
32,0	52,2	36,9	3 300	3 200	3 000	2 900	55,5	35,5	3 500	3 300	3 100	3 000	32,0
34,0	48,8	35,1	3 000	2 800	2 700	2 500	52,0	33,5	3 100	2 900	2 800	2 700	34,0
36,0	45,2	33,0	2 600	2 500	2 400	2 300	48,2	31,3	2 700	2 600	2 500	2 400	36,0
38,0	41,3	30,6	2 300	2 200	2 100	2 000	44,1	28,8	2 400	2 300	2 200	2 100	38,0
40,0	37,1	27,8	2 100	2 000	1 900	1 800	39,6	25,8	2 100	2 000	1 900	1 800	40,0
42,0	32,3	24,5	1 800	1 700	1 700	1 600	34,3	22,2	1 900	1 800	1 700	1 600	42,0
44,0	26,7	20,4	1 600	1 500	1 500	1 400							44,0

MLC90A-1 S-1

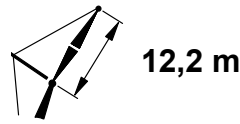
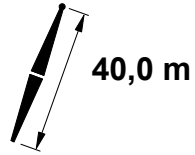


			10°				30°							
			0°	1°	2°	3°			0°	1°	2°	3°		
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m	
12,2	80,6	50,3	11 700										12,2	
14,0	78,5	49,8	11 500	10 000	8 800								14,0	
16,0	76,1	49,3	10 100	9 300	8 300	7 600	79,9	48,1	7 400	6 900	6 400		16,0	
18,0	73,6	48,6	8 500	7 800	7 300	6 700	77,4	47,4	7 000	6 600	6 300		18,0	
20,0	71,1	47,8	7 200	6 700	6 200	5 800	74,9	46,7	6 700	6 600	6 300	5 300	20,0	
22,0	68,6	47,0	6 200	5 800	5 400	5 100	72,3	45,8	6 400	6 100	5 700	5 200	22,0	
24,0	66,0	46,0	5 400	5 100	4 700	4 400	69,6	44,8	5 700	5 400	5 000	4 700	24,0	
26,0	63,4	44,9	4 700	4 400	4 200	3 900	66,9	43,6	5 000	4 700	4 400	4 100	26,0	
28,0	60,7	43,7	4 200	3 900	3 700	3 400	64,1	42,4	4 400	4 100	3 900	3 700	28,0	
30,0	57,9	42,3	3 700	3 400	3 200	3 000	61,2	41,0	3 900	3 600	3 400	3 200	30,0	
32,0	54,9	40,8	3 200	3 000	2 900	2 700	58,2	39,4	3 400	3 200	3 000	2 900	32,0	
34,0	51,9	39,2	2 900	2 700	2 500	2 400	55,1	37,7	3 000	2 800	2 700	2 500	34,0	
36,0	48,8	37,3	2 500	2 400	2 200	2 100	51,8	35,8	2 600	2 500	2 400	2 200	36,0	
38,0	45,4	35,2	2 200	2 100	2 000	1 900	48,2	33,6	2 300	2 200	2 100	2 000	38,0	
40,0	41,8	32,9	1 900	1 800	1 700	1 600	44,4	31,1	2 000	1 900	1 800	1 700	40,0	
42,0	37,9	30,2	1 700	1 600	1 500	1 400	40,3	28,2	1 800	1 700	1 600	1 500	42,0	
44,0	33,6	27,1	1 500	1 400	1 300	1 200	35,6	24,8	1 500	1 400	1 400	1 300	44,0	
46,0	28,6	23,3	1 300	1 200	1 100	1 100							46,0	

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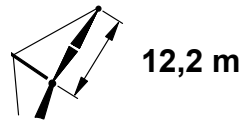
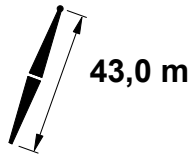
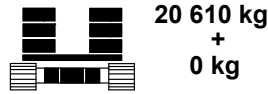


20 610 kg
+
0 kg



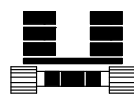
			10°				30°						
 m	 °	 m	 kg	 kg	 kg	 kg	 °	 m	 kg	 kg	 kg	 kg	 m
12,8	80,5	53,2	11 600										12,8
14,0	79,1	52,9	11 500	10 000									14,0
16,0	76,9	52,4	10 000	9 100	8 200	7 400							16,0
18,0	74,6	51,8	8 400	7 700	7 100	6 500	78,2	50,6	7 100	7 000			18,0
20,0	72,3	51,0	7 100	6 600	6 100	5 600	75,8	49,8	6 800	6 700			20,0
22,0	69,9	50,2	6 100	5 700	5 300	4 900	73,4	49,0	6 400	6 000	5 600	5 100	22,0
24,0	67,5	49,3	5 300	5 000	4 600	4 300	70,9	48,1	5 600	5 300	4 900	4 600	24,0
26,0	65,0	48,3	4 600	4 300	4 000	3 800	68,4	47,1	4 900	4 600	4 300	4 000	26,0
28,0	62,5	47,2	4 100	3 800	3 600	3 300	65,8	45,9	4 300	4 000	3 800	3 500	28,0
30,0	60,0	46,0	3 600	3 300	3 100	2 900	63,2	44,6	3 800	3 500	3 300	3 100	30,0
32,0	57,3	44,6	3 100	2 900	2 800	2 600	60,4	43,2	3 300	3 100	2 900	2 700	32,0
34,0	54,6	43,1	2 800	2 600	2 400	2 300	57,6	41,6	2 900	2 700	2 600	2 400	34,0
36,0	51,7	41,4	2 400	2 300	2 100	2 000	54,6	39,9	2 600	2 400	2 300	2 100	36,0
38,0	48,7	39,5	2 100	2 000	1 900	1 700	51,5	38,0	2 300	2 100	2 000	1 900	38,0
40,0	45,6	37,5	1 900	1 800	1 600	1 500	48,2	35,8	2 000	1 800	1 700	1 600	40,0
42,0	42,2	35,2	1 600	1 500	1 400	1 300	44,7	33,4	1 700	1 600	1 500	1 400	42,0
44,0	38,6	32,5	1 400	1 300	1 200	1 100	40,9	30,6	1 500	1 400	1 300	1 200	44,0
46,0	34,6	29,5	1 200	1 100	1 000	1 000	36,6	27,3	1 200	1 200	1 100	1 000	46,0
48,0	30,2	26,0	1 000	900									48,0

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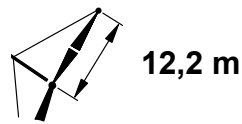
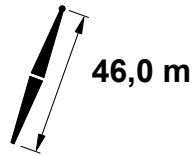


			10°				30°								
			0°	1°	2°	3°			0°	1°	2°	3°			
			kg	kg	kg	kg	°	m	kg	kg	kg	kg			
13,4	80,4	56,1	11 500										13,4		
14,0	79,8	56,0	11 500	10 000									14,0		
16,0	77,6	55,5	9 900	9 000	8 100								16,0		
18,0	75,5	54,9	8 300	7 600	6 900	6 300	78,9	53,7	7 200				18,0		
20,0	73,3	54,3	7 000	6 500	5 900	5 500	76,7	53,1	6 900	6 800	6 100	5 100	20,0		
22,0	71,1	53,5	6 000	5 600	5 100	4 700	74,4	52,3	6 400	5 900	5 500	5 000	22,0		
24,0	68,8	52,6	5 200	4 800	4 500	4 100	72,1	51,4	5 500	5 100	4 800	4 400	24,0		
26,0	66,5	51,7	4 500	4 200	3 900	3 600	69,7	50,4	4 800	4 500	4 200	3 900	26,0		
28,0	64,2	50,7	4 000	3 700	3 400	3 200	67,3	49,4	4 200	3 900	3 700	3 400	28,0		
30,0	61,8	49,5	3 500	3 200	3 000	2 800	64,9	48,2	3 700	3 400	3 200	3 000	30,0		
32,0	59,3	48,2	3 000	2 800	2 600	2 400	62,4	46,9	3 200	3 000	2 800	2 600	32,0		
34,0	56,8	46,9	2 700	2 500	2 300	2 100	59,8	45,4	2 800	2 600	2 500	2 300	34,0		
36,0	54,2	45,3	2 300	2 200	2 000	1 900	57,1	43,9	2 500	2 300	2 100	2 000	36,0		
38,0	51,5	43,6	2 000	1 900	1 700	1 600	54,3	42,1	2 200	2 000	1 900	1 700	38,0		
40,0	48,7	41,8	1 800	1 600	1 500	1 400	51,3	40,2	1 900	1 700	1 600	1 500	40,0		
42,0	45,7	39,7	1 500	1 400	1 300	1 200	48,2	38,1	1 600	1 500	1 400	1 300	42,0		
44,0	42,6	37,5	1 300	1 200	1 100	1 000	44,9	35,7	1 400	1 300	1 200	1 100	44,0		
46,0	39,2	34,9	1 100	1 000			41,4	33,0	1 200	1 100	1 000		46,0		
48,0							37,5	29,8	1 000				48,0		

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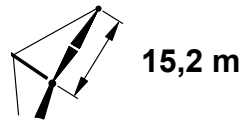
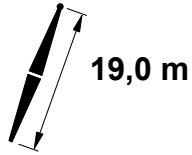
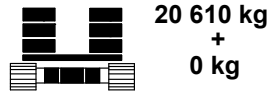
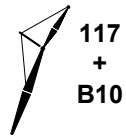


20 610 kg
+
0 kg



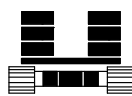
			10°				30°						
			0°	1°	2°	3°			0°	1°	2°	3°	
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
13,4	80,9	59,2	11 500										13,4
14,0	80,3	59,1	11 400										14,0
16,0	78,3	58,6	9 800	8 800									16,0
18,0	76,2	58,0	8 200	7 400	6 800	6 200	79,5	56,8	7 300				18,0
20,0	74,2	57,4	6 900	6 300	5 800	5 300	77,4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

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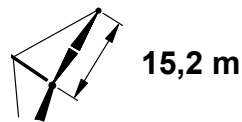
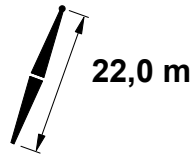


			10°				30°							
			0°	1°	2°	3°			0°	1°	2°	3°		
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m	
10,4	80,5	35,4	10 400										10,4	
12,0	77,6	34,9	10 100	8 800									12,0	
14,0	74,1	34,2	9 800	8 500	7 400	6 500							14,0	
16,0	70,5	33,3	9 500	8 300	7 200	6 400	77,6	32,2	6 100	6 000	5 500		16,0	
18,0	66,7	32,3	9 100	8 100	7 100	6 300	73,7	31,2	5 700	5 600	5 200	4 700	18,0	
20,0	62,9	31,1	7 900	7 600	6 900	6 200	69,7	29,9	5 300	5 200	5 000	4 500	20,0	
22,0	58,8	29,7	7 000	6 700	6 400	6 000	65,4	28,5	5 000	5 000	4 700	4 300	22,0	
24,0	54,5	28,1	6 100	5 900	5 700	5 500	60,9	26,8	4 800	4 700	4 500	4 200	24,0	
26,0	50,0	26,2	5 500	5 300	5 100	4 900	56,1	24,8	4 500	4 500	4 400	4 000	26,0	
28,0	45,0	24,0	4 900	4 700	4 600	4 400	50,8	22,4	4 300	4 300	4 200	3 900	28,0	
30,0	39,4	21,3	4 400	4 200	4 100	4 000	44,7	19,5	4 200	4 200	4 100	3 800	30,0	
32,0	32,9	17,9	3 900	3 800	3 700	3 600	37,2	15,6	4 000	3 900	3 800	3 700	32,0	

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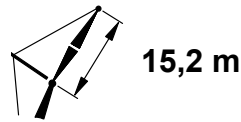
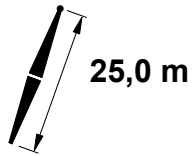
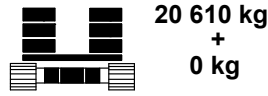
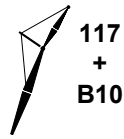


20 610 kg
+
0 kg



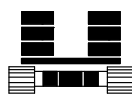
			10°				30°							
			0°	1°	2°	3°			0°	1°	2°	3°		
			kg	kg	kg	kg	°	m	kg	kg	kg	kg		
11,0	80,3	38,3	10 300										11,0	
12,0	78,7	38,0	10 200	8 800									12,0	
14,0	75,4	37,4	9 900	8 600	7 400	6 600							14,0	
16,0	72,2	36,6	9 700	8 400	7 300	6 400	78,7	35,4	6 200	6 100			16,0	
18,0	68,8	35,7	9 000	8 200	7 200	6 300	75,2	34,5	5 800	5 700	5 600	4 800	18,0	
20,0	65,3	34,6	7 900	7 500	7 000	6 200	71,6	33,4	5 500	5 400	5 300	4 800	20,0	
22,0	61,7	33,4	6 900	6 500	6 200	6 000	67,9	32,1	5 200	5 100	5 000	4 800	22,0	
24,0	58,0	32,0	6 000	5 800	5 500	5 300	63,9	30,6	4 900	4 900	4 800	4 600	24,0	
26,0	54,0	30,3	5 400	5 100	4 900	4 700	59,8	28,9	4 700	4 600	4 600	4 500	26,0	
28,0	49,8	28,5	4 800	4 600	4 400	4 300	55,4	26,9	4 500	4 500	4 400	4 300	28,0	
30,0	45,3	26,3	4 300	4 100	4 000	3 800	50,5	24,6	4 300	4 200	4 100	4 000	30,0	
32,0	40,3	23,7	3 800	3 700	3 600	3 500	45,1	21,8	3 900	3 800	3 700	3 600	32,0	
34,0	34,6	20,5	3 500	3 400	3 300	3 200	38,7	18,3	3 500	3 400	3 300	3 200	34,0	
36,0	27,6	16,4	3 100	3 000	3 000	2 900							36,0	

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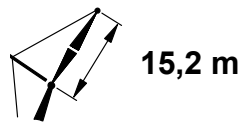
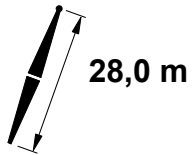


			10°				30°								
			0°	1°	2°	3°			0°	1°	2°	3°			
			kg	kg	kg	kg	°	m	kg	kg	kg	kg			
11,6	80,2	41,2	10 300											11,6	
12,0	79,5	41,1	10 200											12,0	
14,0	76,6	40,5	10 000	8 600	7 400	6 600								14,0	
16,0	73,6	39,8	9 700	8 500	7 300	6 500	79,6	38,6	6 300					16,0	
18,0	70,5	39,0	8 900	8 300	7 200	6 400	76,4	37,7	5 900	5 800	5 700			18,0	
20,0	67,3	38,0	7 700	7 300	6 900	6 300	73,2	36,7	5 600	5 500	5 400	4 600		20,0	
22,0	64,1	36,9	6 700	6 400	6 100	5 800	69,8	35,6	5 300	5 200	5 200	4 600		22,0	
24,0	60,7	35,6	5 900	5 600	5 400	5 100	66,3	34,3	5 100	5 000	4 900	4 600		24,0	
26,0	57,2	34,2	5 200	5 000	4 800	4 600	62,7	32,8	4 800	4 800	4 700	4 600		26,0	
28,0	53,6	32,5	4 700	4 500	4 300	4 100	58,8	31,1	4 600	4 600	4 500	4 300		28,0	
30,0	49,7	30,7	4 200	4 000	3 800	3 700	54,7	29,1	4 300	4 200	4 000	3 800		30,0	
32,0	45,5	28,5	3 700	3 600	3 400	3 300	50,3	26,8	3 900	3 700	3 600	3 400		32,0	
34,0	41,0	26,0	3 400	3 200	3 100	3 000	45,4	24,1	3 500	3 300	3 200	3 100		34,0	
36,0	35,9	23,0	3 000	2 900	2 800	2 700	39,7	20,8	3 100	3 000	2 900	2 800		36,0	
38,0	29,8	19,3	2 700	2 600	2 500	2 500	32,8	16,5	2 700	2 700	2 600	2 500		38,0	

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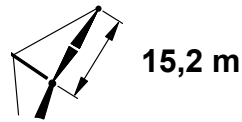
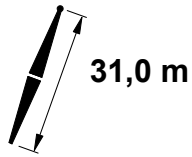
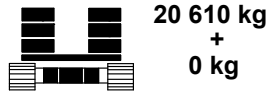
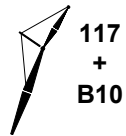


20 610 kg
+
0 kg



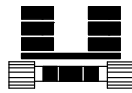
			10°				30°						
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
11,6	80,9	44,3	10 300										11,6
12,0	80,3	44,2	10 300										12,0
14,0	77,5	43,7	10 100	8 700	7 500	6 600							14,0
16,0	74,8	43,0	9 800	8 500	7 300	6 500							16,0
18,0	71,9	42,2	8 900	8 200	7 200	6 400	77,5	41,0	6 100	5 900			18,0
20,0	69,0	41,4	7 700	7 200	6 800	6 300	74,5	40,1	5 700	5 600	5 500	4 500	20,0
22,0	66,1	40,3	6 700	6 300	5 900	5 600	71,4	39,0	5 500	5 400	5 300	4 500	22,0
24,0	63,0	39,2	5 800	5 500	5 200	5 000	68,3	37,8	5 200	5 100	5 100	4 500	24,0
26,0	59,9	37,9	5 200	4 900	4 700	4 400	65,0	36,5	5 000	4 900	4 800	4 500	26,0
28,0	56,6	36,4	4 600	4 400	4 200	4 000	61,6	35,0	4 700	4 600	4 400	4 200	28,0
30,0	53,2	34,8	4 100	3 900	3 700	3 600	58,0	33,2	4 300	4 100	3 900	3 700	30,0
32,0	49,6	32,9	3 700	3 500	3 300	3 200	54,2	31,3	3 800	3 600	3 500	3 300	32,0
34,0	45,8	30,8	3 300	3 100	3 000	2 900	50,1	29,0	3 400	3 300	3 100	3 000	34,0
36,0	41,6	28,4	2 900	2 800	2 700	2 600	45,7	26,4	3 000	2 900	2 800	2 700	36,0
38,0	37,0	25,5	2 600	2 500	2 400	2 300	40,6	23,3	2 700	2 600	2 500	2 400	38,0
40,0	31,7	22,0	2 400	2 300	2 200	2 100	34,7	19,4	2 400	2 300	2 200	2 200	40,0
42,0	25,2	17,5	2 100	2 000	2 000	1 900							42,0

MLC90A-1 S-1

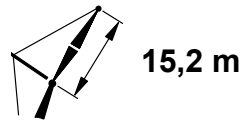
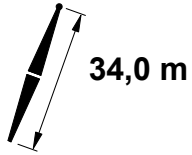


			10°				30°								
			0°	1°	2°	3°			0°	1°	2°	3°			
			kg	kg	kg	kg	°	m	kg	kg	kg	kg			
12,2	80,7	47,2	10 300										12,2		
14,0	78,4	46,8	10 100	8 700	7 500								14,0		
16,0	75,8	46,2	9 800	8 500	7 300	6 500							16,0		
18,0	73,2	45,4	8 800	8 100	7 200	6 400	78,4	44,2	6 200				18,0		
20,0	70,5	44,6	7 600	7 100	6 600	6 200	75,6	43,3	5 800	5 700	5 300	4 400	20,0		
22,0	67,8	43,7	6 600	6 200	5 800	5 400	72,8	42,4	5 600	5 500	5 300	4 400	22,0		
24,0	65,0	42,6	5 700	5 400	5 100	4 800	69,9	41,3	5 300	5 200	5 200	4 400	24,0		
26,0	62,1	41,5	5 000	4 800	4 500	4 300	66,9	40,1	5 100	5 000	4 800	4 400	26,0		
28,0	59,1	40,1	4 500	4 200	4 000	3 800	63,9	38,7	4 700	4 500	4 200	4 000	28,0		
30,0	56,1	38,7	4 000	3 800	3 600	3 400	60,7	37,1	4 200	4 000	3 800	3 600	30,0		
32,0	52,9	37,0	3 500	3 400	3 200	3 000	57,3	35,4	3 700	3 500	3 400	3 200	32,0		
34,0	49,5	35,1	3 200	3 000	2 900	2 700	53,8	33,4	3 300	3 200	3 000	2 900	34,0		
36,0	45,9	33,0	2 800	2 700	2 600	2 500	50,0	31,2	3 000	2 800	2 700	2 600	36,0		
38,0	42,1	30,6	2 500	2 400	2 300	2 200	45,9	28,7	2 600	2 500	2 400	2 300	38,0		
40,0	37,8	27,9	2 300	2 200	2 100	2 000	41,3	25,7	2 300	2 200	2 100	2 000	40,0		
42,0	33,1	24,6	2 000	1 900	1 800	1 800	36,0	22,0	2 100	2 000	1 900	1 800	42,0		
44,0	27,5	20,5	1 800	1 700	1 600	1 600							44,0		

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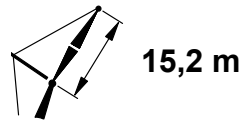
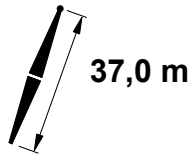
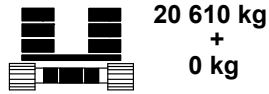
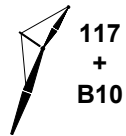


20 610 kg
+
0 kg



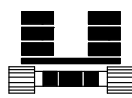
			10°				30°						
			0°	1°	2°	3°			0°	1°	2°	3°	
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
12,8	80,5	50,2	10 200										12,8
14,0	79,1	49,9	10 100	8 600									14,0
16,0	76,7	49,3	9 800	8 500	7 400	6 500							16,0
18,0	74,2	48,6	8 700	8 000	7 300	6 400	79,1	47,3	6 200				18,0
20,0	71,7	47,9	7 500	6 900	6 500	6 000	76,6	46,5	5 900	5 800	5 200	4 300	20,0
22,0	69,2	47,0	6 500	6 000	5 600	5 300	74,0	45,6	5 700	5 600	5 200	4 300	22,0
24,0	66,6	46,0	5 600	5 300	5 000	4 700	71,3	44,6	5 400	5 400	5 200	4 300	24,0
26,0	64,0	44,9	4 900	4 700	4 400	4 100	68,6	43,5	5 200	4 900	4 700	4 300	26,0
28,0	61,3	43,7	4 400	4 100	3 900	3 700	65,8	42,3	4 600	4 400	4 100	3 900	28,0
30,0	58,5	42,4	3 900	3 700	3 500	3 300	62,9	40,9	4 100	3 900	3 700	3 500	30,0
32,0	55,6	40,9	3 400	3 300	3 100	2 900	59,8	39,3	3 600	3 400	3 300	3 100	32,0
34,0	52,6	39,2	3 100	2 900	2 700	2 600	56,7	37,6	3 200	3 100	2 900	2 800	34,0
36,0	49,4	37,3	2 700	2 600	2 500	2 300	53,4	35,6	2 900	2 700	2 600	2 500	36,0
38,0	46,0	35,3	2 400	2 300	2 200	2 100	49,8	33,4	2 600	2 400	2 300	2 200	38,0
40,0	42,5	32,9	2 200	2 100	1 900	1 800	46,0	30,9	2 300	2 200	2 000	1 900	40,0
42,0	38,6	30,2	1 900	1 800	1 700	1 600	41,8	28,0	2 000	1 900	1 800	1 700	42,0
44,0	34,3	27,1	1 700	1 600	1 500	1 400	37,1	24,6	1 700	1 700	1 600	1 500	44,0
46,0	29,3	23,3	1 500	1 400	1 300	1 300							46,0
48,0	23,2	18,5	1 300	1 200	1 200	1 100							48,0

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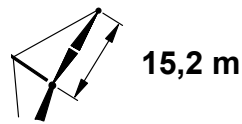
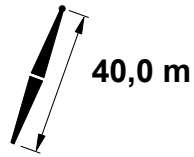


			10°				30°							
			0°	1°	2°	3°			0°	1°	2°	3°		
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m	
13,4	80,4	53,1	10 100										13,4	
14,0	79,7	53,0	10 100	8 600									14,0	
16,0	77,5	52,4	9 800	8 500	7 300								16,0	
18,0	75,2	51,8	8 600	7 900	7 200	6 400							18,0	
20,0	72,9	51,1	7 300	6 800	6 300	5 800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

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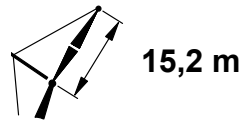
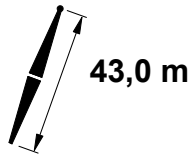
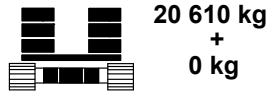


20 610 kg
+
0 kg



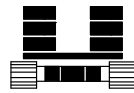
			10°				30°						
			0°	1°	2°	3°			0°	1°	2°	3°	
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
13,4	80,9	56,2	10 100										13,4
14,0	80,3	56,0	10 100										14,0
16,0	78,2	55,5	9 700	8 500	7 300								16,0
18,0	76,0	54,9	8 500	7 800	7 000	6 300							18,0
20,0	73,8	54,3	7 200	6 700	6 200	5 700	78,2	52,9	6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

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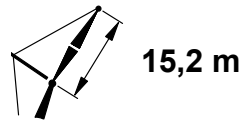
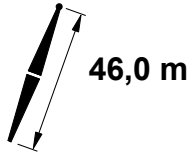


			10°				30°						
 m	 °	 m	0°	1°	2°	3°	 °	 m	0°	1°	2°	3°	 m
			kg	kg	kg	kg			kg	kg	kg	kg	
14,0	80,8	59,1	10 000										14,0
16,0	78,8	58,6	9 600	8 400									16,0
18,0	76,8	58,1	8 400	7 600	6 900								18,0
20,0	74,7	57,5	7 100	6 500	6 000	5 500	78,8	56,1	6 200	6 100			20,0
22,0	72,6	56,7	6 100	5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

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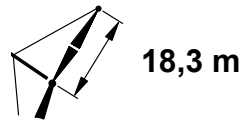
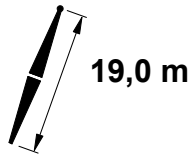
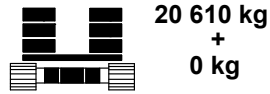
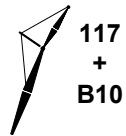


20 610 kg
+
0 kg



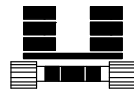
			10°				30°						
			0°	1°	2°	3°			0°	1°	2°	3°	
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
14,6	80,7	62,0	9 900										14,6
16,0	79,4	61,7	9 500										16,0
18,0	77,4	61,2	8 300	7 500	6 700								18,0
20,0	75,5	60,6	7 000	6 400	5 800	5 300	79,4	59,2	6 300	6 000			20,0
22,0	73,5	59,9	6 000	5 500	5 100	4 600	77,4	58,5	6 000	5 800	4 800		22,0
24,0	71,5	59,2	5 200	4 800	4 400	4 000	75,3	57,7	5 600	5 200	4 700	4 000	24,0
26,0	69,5	58,3	4 500	4 200	3 800	3 500	73,3	56,9	4 900	4 500	4 200	3 900	26,0
28,0	67,4	57,4	3 900	3 600	3 300	3 100	71,1	55,9	4 300	4 000	3 700	3 400	28,0
30,0	65,3	56,4	3 400	3 200	2 900	2 700	69,0	54,9	3 800	3 500	3 200	3 000	30,0
32,0	63,2	55,3	3 000	2 800	2 600	2 300	66,8	53,8	3 300	3 100	2 800	2 600	32,0
34,0	61,0	54,1	2 600	2 400	2 200	2 000	64,6	52,5	2 900	2 700	2 500	2 300	34,0
36,0	58,8	52,8	2 300	2 100	1 900	1 800	62,2	51,2	2 500	2 300	2 200	2 000	36,0
38,0	56,5	51,4	2 000	1 800	1 700	1 500	59,9	49,7	2 200	2 000	1 900	1 700	38,0
40,0	54,1	49,8	1 700	1 600	1 500	1 300	57,4	48,1	1 900	1 800	1 600	1 500	40,0
42,0	51,7	48,1	1 500	1 400	1 200	1 100	54,9	46,4	1 700	1 500	1 400	1 300	42,0
44,0	49,2	46,3	1 300	1 200	1 000	900	52,2	44,4	1 400	1 300	1 200	1 100	44,0
46,0	46,5	44,3	1 100	1 000			49,5	42,3	1 200	1 100	1 000		46,0
48,0							46,5	40,0	1 000				48,0

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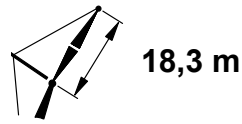
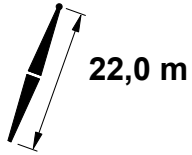


			10°				30°								
			0°	1°	2°	3°			0°	1°	2°	3°			
			kg	kg	kg	kg	°	m	kg	kg	kg	kg			
11,0	80,7	38,4	9 300											11,0	
12,0	79,0	38,1	9 200	7 800										12,0	
14,0	75,8	37,4	8 900	7 600	6 500	5 700								14,0	
16,0	72,5	36,7	8 600	7 400	6 300	5 500								16,0	
18,0	69,2	35,7	8 300	7 200	6 200	5 500	77,1	34,6	5 400	5 200				18,0	
20,0	65,7	34,7	8 000	7 000	6 100	5 400	73,5	33,5	5 000	4 900	4 300	3 900		20,0	
22,0	62,1	33,5	7 000	6 700	6 000	5 300	69,8	32,2	4 700	4 600	4 100	3 700		22,0	
24,0	58,4	32,0	6 200	5 900	5 700	5 200	65,9	30,8	4 500	4 400	3 900	3 600		24,0	
26,0	54,5	30,4	5 500	5 300	5 100	4 900	61,8	29,1	4 200	4 100	3 800	3 400		26,0	
28,0	50,3	28,6	4 900	4 800	4 600	4 400	57,4	27,1	4 000	4 000	3 600	3 300		28,0	
30,0	45,8	26,4	4 500	4 300	4 200	4 000	52,6	24,8	3 800	3 800	3 500	3 200		30,0	
32,0	40,8	23,8	4 000	3 900	3 800	3 600	47,2	22,0	3 700	3 600	3 400	3 100		32,0	
34,0	35,1	20,7	3 600	3 500	3 400	3 300	40,9	18,5	3 500	3 500	3 300	3 000		34,0	
36,0	28,2	16,6	3 300	3 200	3 100	3 000	32,7	13,7	3 300	3 300	3 100	3 000		36,0	

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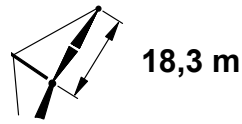
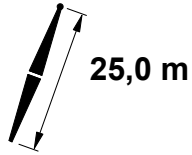
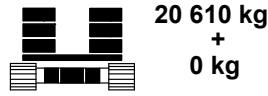
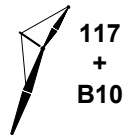


20 610 kg
+
0 kg



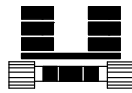
			10°				30°						
			0°	1°	2°	3°			0°	1°	2°	3°	
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
11,6	80,5	41,3	9 300										11,6
12,0	79,9	41,2	9 200										12,0
14,0	76,9	40,6	8 900	7 600	6 500	5 700							14,0
16,0	73,9	39,9	8 700	7 400	6 400	5 600							16,0
18,0	70,9	39,1	8 500	7 300	6 200	5 500	78,2	37,9	5 500				18,0
20,0	67,7	38,1	7 900	7 100	6 100	5 400	74,9	36,9	5 200	5 100	4 800	4 100	20,0
22,0	64,5	37,0	6 900	6 600	6 000	5 300	71,6	35,7	4 900	4 800	4 700	4 100	22,0
24,0	61,1	35,7	6 100	5 800	5 500	5 200	68,1	34,4	4 600	4 500	4 500	4 000	24,0
26,0	57,7	34,3	5 400	5 200	5 000	4 700	64,5	32,9	4 400	4 300	4 200	3 900	26,0
28,0	54,0	32,7	4 800	4 600	4 500	4 300	60,7	31,2	4 200	4 100	4 100	3 800	28,0
30,0	50,1	30,8	4 400	4 200	4 000	3 900	56,6	29,2	4 000	3 900	3 900	3 600	30,0
32,0	46,0	28,7	3 900	3 800	3 600	3 500	52,2	27,0	3 800	3 800	3 700	3 600	32,0
34,0	41,5	26,2	3 500	3 400	3 300	3 200	47,3	24,3	3 600	3 500	3 400	3 300	34,0
36,0	36,4	23,2	3 200	3 100	3 000	2 900	41,7	21,0	3 300	3 200	3 100	3 000	36,0
38,0	30,4	19,5	2 900	2 800	2 700	2 600	34,9	16,8	3 000	2 900	2 800	2 700	38,0

MLC90A-1 S-1

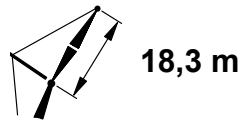
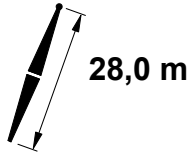


			10°				30°								
			0°	1°	2°	3°			0°	1°	2°	3°			
			kg	kg	kg	kg	°	m	kg	kg	kg	kg			
12,2	80,3	44,2	9 200											12,2	
14,0	77,9	43,7	9 000	7 600	6 500	5 700								14,0	
16,0	75,1	43,1	8 800	7 500	6 400	5 600								16,0	
18,0	72,3	42,3	8 600	7 300	6 300	5 500	79,1	41,1	5 600					18,0	
20,0	69,4	41,4	7 800	7 100	6 200	5 400	76,1	40,1	5 300					20,0	
22,0	66,4	40,4	6 800	6 400	6 000	5 300	73,1	39,1	5 000	4 900	4 800	4 000		22,0	
24,0	63,4	39,3	6 000	5 700	5 400	5 100	69,9	37,9	4 700	4 700	4 600	4 000		24,0	
26,0	60,2	38,0	5 300	5 000	4 800	4 600	66,7	36,6	4 500	4 400	4 400	4 000		26,0	
28,0	57,0	36,5	4 700	4 500	4 300	4 100	63,3	35,1	4 300	4 200	4 200	4 000		28,0	
30,0	53,6	34,9	4 200	4 000	3 900	3 700	59,7	33,3	4 100	4 100	4 000	3 900		30,0	
32,0	50,0	33,0	3 800	3 600	3 500	3 300	55,9	31,4	3 900	3 800	3 700	3 500		32,0	
34,0	46,1	30,9	3 400	3 300	3 200	3 000	51,8	29,1	3 600	3 400	3 300	3 200		34,0	
36,0	42,0	28,5	3 100	3 000	2 900	2 700	47,4	26,5	3 200	3 100	3 000	2 900		36,0	
38,0	37,4	25,6	2 800	2 700	2 600	2 500	42,4	23,4	2 900	2 800	2 700	2 600		38,0	
40,0	32,1	22,2	2 500	2 400	2 300	2 300	36,4	19,5	2 600	2 500	2 400	2 300		40,0	
42,0	25,7	17,7	2 300	2 200	2 100	2 100								42,0	

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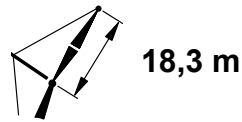
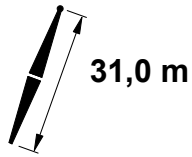
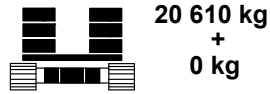
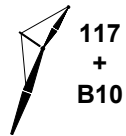


20 610 kg
+
0 kg



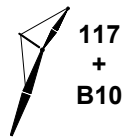
			10°				30°						
			0°	1°	2°	3°			0°	1°	2°	3°	
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
12,2	81,0	47,3	9 200										12,2
14,0	78,7	46,9	9 000	7 600	6 500								14,0
16,0	76,1	46,3	8 800	7 500	6 400	5 600							16,0
18,0	73,5	45,5	8 600	7 400	6 300	5 500							18,0
20,0	70,8	44,7	7 700	7 200	6 200	5 400	77,1	43,4	5 400	5 300	4 700	3 900	20,0
22,0	68,1	43,8	6 700	6 300	5 900	5 300	74,3	42,4	5 100	5 000	4 700	3 900	22,0
24,0	65,3	42,7	5 900	5 600	5 300	5 000	71,4	41,4	4 800	4 800	4 600	3 900	24,0
26,0	62,5	41,6	5 200	4 900	4 700	4 400	68,5	40,1	4 600	4 500	4 500	3 900	26,0
28,0	59,5	40,3	4 600	4 400	4 200	4 000	65,4	38,8	4 400	4 400	4 300	3 900	28,0
30,0	56,4	38,8	4 200	4 000	3 800	3 600	62,2	37,2	4 200	4 100	4 000	3 800	30,0
32,0	53,2	37,1	3 700	3 500	3 400	3 200	58,9	35,5	3 900	3 700	3 600	3 400	32,0
34,0	49,9	35,3	3 300	3 200	3 100	2 900	55,3	33,6	3 500	3 400	3 200	3 100	34,0
36,0	46,3	33,2	3 000	2 900	2 800	2 600	51,6	31,3	3 200	3 000	2 900	2 800	36,0
38,0	42,5	30,8	2 700	2 600	2 500	2 400	47,5	28,8	2 800	2 700	2 600	2 500	38,0
40,0	38,3	28,0	2 400	2 300	2 200	2 200	42,9	25,8	2 500	2 400	2 300	2 300	40,0
42,0	33,6	24,8	2 200	2 100	2 000	2 000	37,7	22,2	2 300	2 200	2 100	2 000	42,0
44,0	28,0	20,8	2 000	1 900	1 800	1 800	31,2	17,5	2 000	1 900	1 900	1 800	44,0

MLC90A-1 S-1

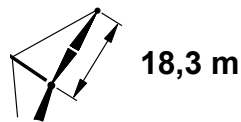
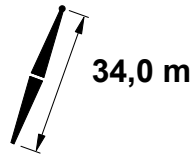


			10°				30°								
			0°	1°	2°	3°			0°	1°	2°	3°			
			kg	kg	kg	kg	°	m	kg	kg	kg	kg			
12,8	80,8	50,3	9 100											12,8	
14,0	79,4	50,0	9 000	7 600										14,0	
16,0	77,0	49,4	8 800	7 500	6 400	5 600								16,0	
18,0	74,5	48,7	8 700	7 400	6 300	5 500								18,0	
20,0	72,0	48,0	7 600	7 100	6 200	5 400	78,0	46,6	5 500	5 400	4 600			20,0	
22,0	69,5	47,1	6 600	6 200	5 800	5 300	75,4	45,7	5 200	5 100	4 600	3 800		22,0	
24,0	67,0	46,1	5 800	5 400	5 100	4 800	72,7	44,7	5 000	4 900	4 500	3 700		24,0	
26,0	64,3	45,0	5 100	4 800	4 500	4 300	70,0	43,6	4 700	4 700	4 500	3 700		26,0	
28,0	61,6	43,8	4 500	4 300	4 000	3 800	67,2	42,3	4 500	4 400	4 300	3 700		28,0	
30,0	58,8	42,5	4 000	3 800	3 600	3 400	64,3	40,9	4 300	4 100	3 900	3 600		30,0	
32,0	55,9	41,0	3 600	3 400	3 200	3 100	61,3	39,4	3 800	3 600	3 500	3 300		32,0	
34,0	52,9	39,3	3 200	3 100	2 900	2 800	58,1	37,6	3 400	3 300	3 100	3 000		34,0	
36,0	49,8	37,5	2 900	2 800	2 600	2 500	54,8	35,7	3 100	2 900	2 800	2 700		36,0	
38,0	46,4	35,4	2 600	2 500	2 400	2 200	51,3	33,5	2 700	2 600	2 500	2 400		38,0	
40,0	42,9	33,1	2 300	2 200	2 100	2 000	47,5	31,0	2 500	2 300	2 200	2 100		40,0	
42,0	39,0	30,4	2 100	2 000	1 900	1 800	43,3	28,1	2 200	2 100	2 000	1 900		42,0	
44,0	34,7	27,3	1 900	1 800	1 700	1 600	38,6	24,7	1 900	1 900	1 800	1 700		44,0	
46,0	29,8	23,5	1 700	1 600	1 500	1 400								46,0	
48,0	23,8	18,7	1 500	1 400	1 300	1 300								48,0	

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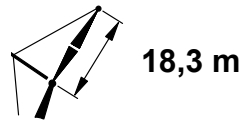
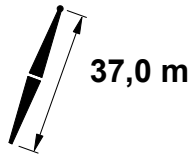
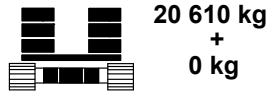


20 610 kg
+
0 kg



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

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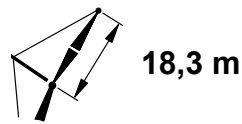
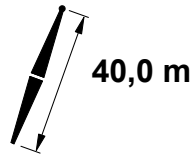


			10°				30°						
m	°	m	0°	1°	2°	3°	°	m	0°	1°	2°	3°	m
			kg	kg	kg	kg			kg	kg	kg	kg	
14,0	80,5	56,1	9 000										14,0
16,0	78,4	55,6	8 900	7 500									16,0
18,0	76,3	55,0	8 500	7 400	6 300	5 500							18,0
20,0	74,1	54,4	7 400	6 800	6 100	5 400	79,4	53,0	5 600	5 500			20,0
22,0	71,9	53,6	6 400	5 900	5 500	5 100	77,1	52,2	5 400	5 300	4 400	3 600	22,0
24,0	69,6	52,8	5 600	5 200	4 800	4 500	74,8	51,3	5 100	5 100	4 300	3 600	24,0
26,0	67,4	51,8	4 900	4 600	4 300	4 000	72,5	50,3	4 900	4 800	4 300	3 600	26,0
28,0	65,0	50,8	4 300	4 000	3 800	3 500	70,1	49,3	4 600	4 400	4 100	3 600	28,0
30,0	62,6	49,6	3 800	3 600	3 300	3 100	67,6	48,1	4 100	3 900	3 600	3 400	30,0
32,0	60,2	48,4	3 400	3 200	3 000	2 800	65,1	46,8	3 700	3 400	3 200	3 000	32,0
34,0	57,7	47,0	3 000	2 800	2 600	2 500	62,5	45,3	3 300	3 100	2 900	2 700	34,0
36,0	55,1	45,5	2 700	2 500	2 400	2 200	59,8	43,8	2 900	2 700	2 600	2 400	36,0
38,0	52,4	43,8	2 400	2 200	2 100	2 000	57,0	42,0	2 600	2 400	2 300	2 100	38,0
40,0	49,6	41,9	2 100	2 000	1 900	1 700	54,0	40,1	2 300	2 200	2 000	1 900	40,0
42,0	46,6	39,9	1 900	1 800	1 600	1 500	50,9	37,9	2 000	1 900	1 800	1 700	42,0
44,0	43,5	37,6	1 600	1 500	1 400	1 400	47,6	35,5	1 800	1 700	1 600	1 500	44,0
46,0	40,2	35,1	1 400	1 400	1 300	1 200	44,0	32,8	1 600	1 500	1 400	1 300	46,0
48,0	36,5	32,2	1 300	1 200	1 100	1 000	40,1	29,7	1 300	1 300	1 200	1 100	48,0
50,0	32,5	28,9	1 100	1 000	900	900	35,6	26,0	1 100	1 100	1 000	900	50,0

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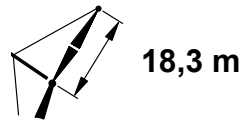
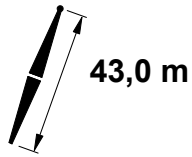
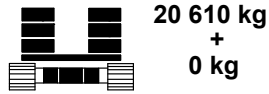
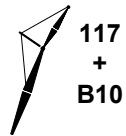


20 610 kg
+
0 kg



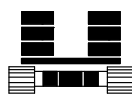
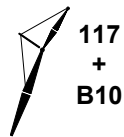
			10°				30°						
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m
14,6	80,4	59,1	8 900										14,6
16,0	79,0	58,7	8 800	7 400									16,0
18,0	77,0	58,2	8 400	7 300	6 200								18,0
20,0	74,9	57,5	7 300	6 700	6 100	5 400	80,0	56,1	5 700				20,0
22,0	72,9	56,8	6 300	5 800	5 400	5 000	77,9	55,3	5 500	5 300	4 200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

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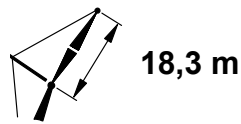
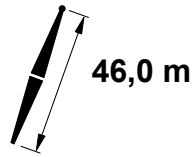


			10°				30°							
			0°	1°	2°	3°			0°	1°	2°	3°		
m	°	m	kg	kg	kg	kg	°	m	kg	kg	kg	kg	m	
14,6	80,9	62,1	8 900										14,6	
16,0	79,6	61,8	8 800										16,0	
18,0	77,7	61,3	8 300	7 300	6 200								18,0	
20,0	75,7	60,7	7 200	6 600	6 000	5 200	80,5	59,2	5 800				20,0	
22,0	73,7	60,0	6 200	5 700	5 200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

MLC90A-1 S-1



20 610 kg
+
0 kg



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