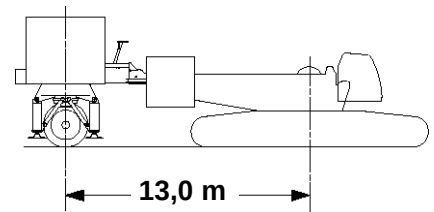




Liftcrane Boom Capacities

Boom No. 58 HL with 30,0 m Mast No. 59A
150 590 kg Crane Counterweight
54 430 kg Carbody Counterweight
0 kg thru 231 970 kg Wheeled Counterweight
at 13,0 m Position
360 Degree Rating

16000 MAX-ER



LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

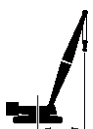
Wheeled counterweight must be attached to machine and MAX-ER mode must be selected to operate. Swing and travel (forward or side crawl) requires proper position of counterweight wheels when contacting ground. Refer to Operator's Manual for wheel positioning. Exit MAX-ER mode before operating without wheeled counterweight.

Standard upper boom point capacity for liftcrane service with single part whip line is 13 610 kg or 27 220 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom load. Boom is 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 in a level position on a firm uniformly supporting surface with mast up. Refer to boom rigging **No. A14546**, Wire Rope Specification chart **No. 8745-A**, Counterweight Arrangement chart **No. 8682-A** and Wind Conditions chart **No. 8688-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 Operator's Manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Swing and Travel Specification chart **No. 8746-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.



BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with MAX-ER, 10 363 mm crawlers, 1 524 mm treads, 9 754 mm live mast, 30,0 m mast, 12 part boom hoist reeving, boom support straps, 150 590 kg crane counterweight, two 13 610 kg and four 6 800 kg carbody counterweights and wheeled counterweight as specified.

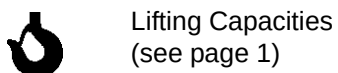
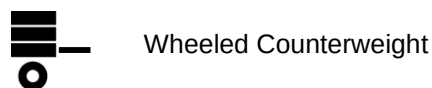
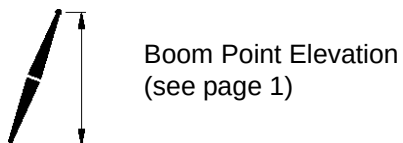
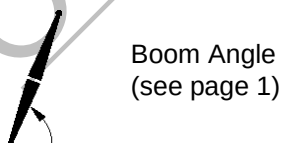
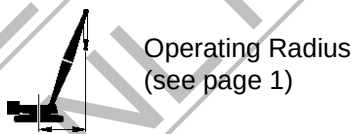
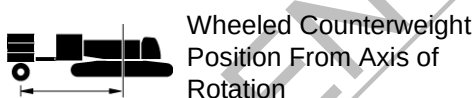
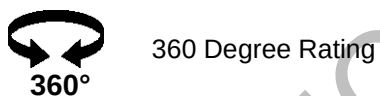
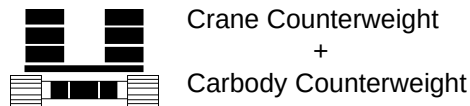
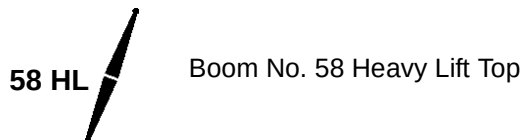
WARNING: Check amount of crane counterweight and wheeled counterweight on machine before use of this chart. Refer to Operator's Manual for counterweight identification.

Maximum Boom Length Lifted Unassisted	
Over End of Blocked Crawlers	Over Side or End of Unblocked Crawlers
With 0 kg Wheeled Counterweight	
96,0 m	90,0 m
With 72 300 kg Wheeled Counterweight	
120,0 m	114,0 m
Over Side or End of Unblocked Crawlers	
With 152 130 kg Wheeled Counterweight	With 231 970 kg Wheeled Counterweight
120,0 m	120,0 m
Load block, hook and weight ball on ground at start.	

Boom Catwalks Deduct

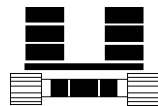
Deduct 550 kg from capacities when boom catwalks are attached.

Explanation of Symbols



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150 590 kg
+
54 430 kg



42,0 m

 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
7,9	82,8	44,2	335 000 *	379 800 *	379 800 *	379 800 *	7,9
8,0	82,7	44,2	332 100 *	379 800 *	379 800 *	379 800 *	8,0
9,0	81,3	44,0	295 900 *	364 800 *	379 800 *	379 800 *	9,0
10,0	80,0	43,8	266 400 *	329 900 *	379 800 *	379 800 *	10,0
11,0	78,6	43,6	239 800 *	300 300 *	363 700 *	379 800 *	11,0
12,0	77,2	43,4	215 400	275 300 *	333 600 *	379 800 *	12,0
14,0	74,3	42,8	170 500	235 500 *	285 800 *	336 400 *	14,0
16,0	71,4	42,1	140 000	204 900 *	249 600 *	293 700 *	16,0
18,0	68,5	41,3	118 200	179 700 *	221 100 *	260 500 *	18,0
20,0	65,5	40,4	101 700	158 500	198 200 *	233 700 *	20,0
22,0	62,4	39,4	88 800	139 200	179 200 *	211 600 *	22,0
24,0	59,3	38,2	78 400	123 800	163 400 *	193 200 *	24,0
26,0	56,0	36,8	69 900	111 200	149 900 *	177 400 *	26,0
28,0	52,5	35,3	62 700	100 700	137 800 *	163 900 *	28,0
30,0	48,9	33,6	56 700	91 700	127 300 *	152 100 *	30,0
32,0	45,1	31,6	51 500	84 100	118 100 *	141 800 *	32,0
34,0	41,0	29,3	47 000	77 400	110 000 *	132 600 *	34,0
36,0	36,5	26,7	43 000	71 500	102 600	124 400 *	36,0
38,0	31,4	23,5	39 400	66 300	95 500	117 100 *	38,0
40,0	25,3	19,6	36 300	61 700	89 300	110 100 *	40,0

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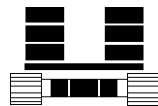
150 590 kg
+
54 430 kg



 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
8,5	83,0	50,2	311 200 *	340 000 *	340 000 *	340 000 *	8,5
9,0	82,4	50,1	295 600 *	340 000 *	340 000 *	340 000 *	9,0
10,0	81,2	49,9	266 000 *	331 900 *	340 000 *	340 000 *	10,0
11,0	80,0	49,7	239 500 *	299 800 *	340 000 *	340 000 *	11,0
12,0	78,8	49,5	215 700	274 800 *	331 700 *	340 000 *	12,0
14,0	76,3	49,0	170 700	235 000 *	285 400 *	334 100 *	14,0
16,0	73,8	48,5	140 100	204 500 *	249 100 *	293 500 *	16,0
18,0	71,3	47,8	118 100	179 300 *	220 600 *	260 000 *	18,0
20,0	68,8	47,0	101 600	158 400	197 600 *	233 200 *	20,0
22,0	66,2	46,1	88 600	139 000	178 700 *	211 100 *	22,0
24,0	63,5	45,1	78 200	123 600	162 900 *	192 700 *	24,0
26,0	60,7	44,0	69 700	111 000	149 400 *	176 900 *	26,0
28,0	57,9	42,7	62 500	100 400	137 400 *	163 400 *	28,0
30,0	55,0	41,3	56 400	91 500	126 900 *	151 600 *	30,0
32,0	52,0	39,8	51 200	83 800	117 700 *	141 300 *	32,0
34,0	48,8	38,0	46 700	77 100	109 600 *	132 100 *	34,0
36,0	45,5	36,1	42 700	71 200	102 200	124 000 *	36,0
38,0	42,0	33,9	39 200	66 100	95 300	116 600 *	38,0
40,0	38,1	31,4	36 000	61 400	89 000	110 000 *	40,0
42,0	33,9	28,5	33 200	57 300	83 400	104 000 *	42,0
44,0	29,2	25,1	30 700	53 500	78 400	98 500 *	44,0
46,0	23,5	20,8	28 300	50 100	73 800	93 300 *	46,0

16000 MAX-ER

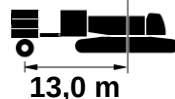
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150 590 kg
+
54 430 kg



360°



13,0 m



54,0 m

 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
9,8	82,5	56,0	272 200 *	312 300 *	312 300 *	312 300 *	9,8
10,0	82,2	56,0	265 600 *	312 200 *	312 200 *	312 200 *	10,0
11,0	81,1	55,8	239 000 *	299 300 *	311 600 *	311 600 *	11,0
12,0	80,1	55,7	215 500	274 200 *	311 400 *	311 400 *	12,0
14,0	77,9	55,2	170 600	234 400 *	285 900 *	310 600 *	14,0
16,0	75,7	54,7	140 000	203 900 *	248 400 *	295 600 *	16,0
18,0	73,5	54,1	118 000	178 800 *	220 000 *	259 400 *	18,0
20,0	71,2	53,4	101 300	158 100	197 100 *	232 600 *	20,0
22,0	69,0	52,7	88 300	138 800	178 100 *	210 500 *	22,0
24,0	66,7	51,8	77 900	123 300	162 300 *	192 000 *	24,0
26,0	64,3	50,8	69 400	110 700	148 800 *	176 300 *	26,0
28,0	61,9	49,7	62 200	100 100	136 900 *	162 800 *	28,0
30,0	59,4	48,6	56 100	91 100	126 300 *	151 000 *	30,0
32,0	56,9	47,3	50 900	83 400	117 100 *	140 700 *	32,0
34,0	54,3	45,8	46 300	76 700	109 000 *	131 600 *	34,0
36,0	51,6	44,2	42 300	70 800	101 800	123 400 *	36,0
38,0	48,8	42,5	38 800	65 600	94 900	116 100 *	38,0
40,0	45,8	40,6	35 700	61 000	88 700	109 500 *	40,0
42,0	42,7	38,4	32 800	56 900	83 100	103 500 *	42,0
44,0	39,4	36,0	30 300	53 100	78 000	98 000 *	44,0
46,0	35,8	33,3	28 000	49 700	73 400	93 000 *	46,0
48,0	31,9	30,2	25 800	46 600	69 300	88 400 *	48,0
50,0	27,4	26,5	23 900	43 800	65 400	84 100 *	50,0
52,0	22,1	21,9	22 100	41 200	61 900	80 000 *	52,0

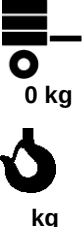
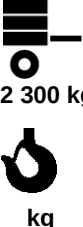
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150 590 kg
+
54 430 kg



 m	 o	 m	 kg	 kg	 kg	 kg	 m
10,4	82,6	62,0	255 200 *	282 800 *	282 800 *	282 800 *	10,4
11,0	82,0	61,9	238 500 *	282 600 *	282 600 *	282 600 *	11,0
12,0	81,1	61,8	215 300	274 700 *	282 400 *	282 400 *	12,0
14,0	79,1	61,4	170 500	233 700 *	276 200 *	277 800 *	14,0
16,0	77,2	60,9	139 700	203 200 *	249 100 *	272 500 *	16,0
18,0	75,2	60,4	117 600	178 200 *	219 200 *	258 400 *	18,0
20,0	73,2	59,8	101 000	157 700	196 300 *	231 900 *	20,0
22,0	71,2	59,1	87 900	138 400	177 400 *	209 800 *	22,0
24,0	69,1	58,3	77 500	122 900	161 500 *	191 300 *	24,0
26,0	67,0	57,5	68 900	110 200	148 100 *	175 600 *	26,0
28,0	64,9	56,5	61 700	99 600	136 200 *	162 100 *	28,0
30,0	62,8	55,5	55 600	90 700	125 700 *	150 300 *	30,0
32,0	60,6	54,4	50 400	82 900	116 500 *	140 000 *	32,0
34,0	58,4	53,1	45 800	76 200	108 400 *	130 800 *	34,0
36,0	56,1	51,8	41 800	70 400	101 200	122 700 *	36,0
38,0	53,7	50,3	38 300	65 100	94 400	115 400 *	38,0
40,0	51,2	48,7	35 100	60 500	88 100	108 800 *	40,0
42,0	48,7	47,0	32 300	56 400	82 600	102 800 *	42,0
44,0	46,1	45,1	29 800	52 600	77 500	97 300 *	44,0
46,0	43,3	43,0	27 400	49 200	73 000	92 400 *	46,0
48,0	40,4	40,6	25 300	46 100	68 800	87 800 *	48,0
50,0	37,2	38,0	23 400	43 300	65 000	83 500 *	50,0
52,0	33,9	35,1	21 700	40 700	61 500	79 600 *	52,0
54,0	30,1	31,8	20 000	38 300	58 200	75 800 *	54,0
56,0	25,9	27,8	18 500	36 100	55 200	72 400 *	56,0
58,0	20,9	23,0	17 000	34 000	52 400	69 100 *	58,0

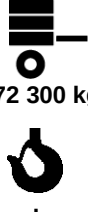
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150 590 kg
+
54 430 kg



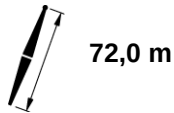
 m	 °	 m	 kg	 kg	 kg	 kg	 m
11,0	82,8	68,0	238 900 *	251 100 *	251 100 *	251 100 *	11,0
12,0	81,9	67,8	215 400	251 100 *	251 100 *	251 100 *	12,0
14,0	80,1	67,5	170 600	234 700 *	250 400 *	250 400 *	14,0
16,0	78,3	67,1	139 800	202 900 *	242 700 *	245 800 *	16,0
18,0	76,6	66,6	117 700	178 000 *	220 000 *	241 400 *	18,0
20,0	74,8	66,0	101 000	157 600	196 100 *	232 300 *	20,0
22,0	72,9	65,4	87 900	138 400	177 100 *	209 600 *	22,0
24,0	71,1	64,7	77 400	122 900	161 300 *	191 100 *	24,0
26,0	69,3	64,0	68 900	110 200	147 800 *	175 400 *	26,0
28,0	67,4	63,1	61 700	99 600	136 100 *	161 900 *	28,0
30,0	65,5	62,2	55 500	90 600	125 500 *	150 100 *	30,0
32,0	63,5	61,2	50 300	82 900	116 300 *	139 800 *	32,0
34,0	61,5	60,1	45 700	76 100	108 200 *	130 600 *	34,0
36,0	59,5	59,0	41 700	70 300	101 000 *	122 500 *	36,0
38,0	57,5	57,7	38 200	65 100	94 300	115 100 *	38,0
40,0	55,4	56,3	35 100	60 400	88 100	108 600 *	40,0
42,0	53,2	54,8	32 200	56 300	82 500	102 600 *	42,0
44,0	51,0	53,2	29 700	52 500	77 400	97 200 *	44,0
46,0	48,7	51,5	27 400	49 200	72 900	92 200 *	46,0
48,0	46,3	49,5	25 300	46 100	68 700	87 600 *	48,0
50,0	43,8	47,5	23 400	43 200	64 900	83 400 *	50,0
52,0	41,1	45,2	21 600	40 600	61 400	79 400 *	52,0
54,0	38,4	42,7	19 900	38 200	58 200	75 700 *	54,0
56,0	35,4	40,0	18 400	36 000	55 200	72 300 *	56,0
58,0	32,2	36,8	17 000	33 900	52 400	69 000 *	58,0
60,0	28,7	33,3	15 700	32 000	49 800	66 000 *	60,0
62,0	24,6	29,1	14 400	30 200	47 400	63 200 *	62,0
64,0	19,9	24,0	13 200	28 500	45 100	60 200 *	64,0

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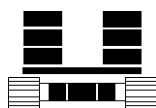
150 590 kg
+
54 430 kg



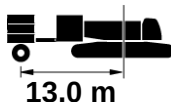
 m	 o	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
11,6	82,9	74,0	224 000 *	227 800 *	227 800 *	227 800 *	11,6
12,0	82,6	73,9	215 100	227 800 *	227 800 *	227 800 *	12,0
14,0	81,0	73,6	170 300	224 100 *	225 200 *	225 200 *	14,0
16,0	79,3	73,2	139 400	203 600 *	221 500 *	221 500 *	16,0
18,0	77,7	72,8	117 200	177 200 *	215 800 *	217 800 *	18,0
20,0	76,1	72,3	100 500	156 800	195 200 *	214 200 *	20,0
22,0	74,4	71,7	87 400	137 900	176 300 *	207 900 *	22,0
24,0	72,7	71,1	76 900	122 400	160 500 *	190 600 *	24,0
26,0	71,1	70,4	68 300	109 600	147 000 *	174 600 *	26,0
28,0	69,4	69,6	61 100	99 000	135 300 *	161 000 *	28,0
30,0	67,6	68,8	55 000	90 000	124 700 *	149 300 *	30,0
32,0	65,9	67,9	49 700	82 300	115 600 *	139 000 *	32,0
34,0	64,1	66,9	45 100	75 500	107 500 *	129 800 *	34,0
36,0	62,3	65,9	41 100	69 600	100 300 *	121 700 *	36,0
38,0	60,5	64,8	37 600	64 500	93 700	114 400 *	38,0
40,0	58,6	63,5	34 400	59 800	87 500	107 800 *	40,0
42,0	56,7	62,2	31 600	55 700	81 900	101 800 *	42,0
44,0	54,8	60,8	29 100	51 900	76 800	96 400 *	44,0
46,0	52,8	59,3	26 800	48 500	72 200	91 400 *	46,0
48,0	50,7	57,7	24 700	45 400	68 100	86 800 *	48,0
50,0	48,6	55,9	22 700	42 600	64 300	82 600 *	50,0
52,0	46,4	54,0	20 900	40 000	60 700	78 700 *	52,0
54,0	44,2	52,0	19 300	37 600	57 500	75 000 *	54,0
56,0	41,8	49,8	17 800	35 400	54 600	71 500 *	56,0
58,0	39,3	47,3	16 400	33 300	51 800	68 400 *	58,0
60,0	36,6	44,7	15 100	31 400	49 200	65 400 *	60,0
62,0	33,8	41,8	13 800	29 600	46 800	62 600 *	62,0
64,0	30,7	38,5	12 700	27 900	44 500	59 900 *	64,0
66,0	27,4	34,7	11 600	26 400	42 500	57 400 *	66,0
68,0	23,5	30,4	10 600	24 900	40 500	55 100 *	68,0
70,0	19,0	25,0	9 600	23 500	38 600	52 100 *	70,0

16000 MAX-ER

ANSI B30.5



150 590 kg
+
54 430 kg



78,0 m

 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
12,2	83,0	79,9	205 100 *	205 100 *	205 100 *	205 100 *	12,2
14,0	81,7	79,7	170 700	203 500 *	203 500 *	203 500 *	14,0
16,0	80,2	79,3	139 200	198 000 *	201 100 *	201 100 *	16,0
18,0	78,7	78,9	117 000	177 600 *	198 900 *	198 900 *	18,0
20,0	77,2	78,5	100 200	156 300	195 500 *	196 600 *	20,0
22,0	75,6	77,9	87 100	137 600	175 700 *	194 400 *	22,0
24,0	74,1	77,4	76 500	122 000	159 900 *	188 800 *	24,0
26,0	72,6	76,7	67 900	109 300	146 400 *	174 000 *	26,0
28,0	71,0	76,1	60 700	98 600	134 800 *	160 500 *	28,0
30,0	69,5	75,3	54 500	89 600	124 200 *	148 700 *	30,0
32,0	67,9	74,5	49 300	81 800	115 000 *	138 400 *	32,0
34,0	66,3	73,6	44 700	75 100	106 900 *	129 200 *	34,0
36,0	64,6	72,7	40 700	69 200	99 700 *	121 100 *	36,0
38,0	63,0	71,6	37 200	64 000	93 200	113 800 *	38,0
40,0	61,3	70,5	34 000	59 400	87 000	107 200 *	40,0
42,0	59,6	69,4	31 200	55 200	81 400	101 300 *	42,0
44,0	57,9	68,1	28 600	51 500	76 300	95 800 *	44,0
46,0	56,1	66,8	26 300	48 100	71 800	90 900 *	46,0
48,0	54,3	65,3	24 200	45 000	67 600	86 300 *	48,0
50,0	52,4	63,8	22 300	42 200	63 800	82 000 *	50,0
52,0	50,5	62,2	20 500	39 500	60 300	78 200 *	52,0
54,0	48,6	60,4	18 800	37 200	57 100	74 500 *	54,0
56,0	46,6	58,5	17 300	34 900	54 100	71 000 *	56,0
58,0	44,5	56,5	15 900	32 900	51 400	67 900 *	58,0
60,0	42,3	54,3	14 600	31 000	48 800	64 900 *	60,0
62,0	40,0	52,0	13 400	29 200	46 400	62 100 *	62,0
64,0	37,6	49,4	12 200	27 500	44 100	59 400 *	64,0
66,0	35,1	46,6	11 200	25 900	42 100	57 000 *	66,0
68,0	32,4	43,5	10 200	24 500	40 100	54 600 *	68,0
70,0	29,5	40,0	9 200	23 100	38 200	52 400 *	70,0
72,0	26,2	36,1	8 300	21 800	36 500	50 400 *	72,0
74,0	22,6	31,5	7 400	20 500	34 800	48 300 *	74,0
76,0	18,2	25,9	6 500 *	19 300	33 200	45 200 *	76,0

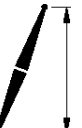
16000 MAX-ER

ANSI B30.5



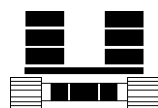
150 590 kg
+
54 430 kg



 m	 o	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
13,7	82,5	85,8	175 400	177 000 *	177 000 *	177 000 *	13,7
14,0	82,3	85,7	170 600	177 000 *	177 000 *	177 000 *	14,0
16,0	80,9	85,4	138 800	177 000 *	177 000 *	177 000 *	16,0
18,0	79,5	85,1	116 500	173 600 *	177 000 *	177 000 *	18,0
20,0	78,1	84,6	99 700	155 600	176 800 *	176 800 *	20,0
22,0	76,7	84,2	86 500	137 100	172 600 *	174 000 *	22,0
24,0	75,3	83,6	75 900	121 400	159 600 *	170 400 *	24,0
26,0	73,9	83,0	67 300	108 600	145 600 *	167 000 *	26,0
28,0	72,4	82,4	60 100	98 000	133 900 *	160 400 *	28,0
30,0	71,0	81,7	53 900	88 900	123 400 *	147 900 *	30,0
32,0	69,5	81,0	48 600	81 200	114 200 *	137 500 *	32,0
34,0	68,1	80,2	44 100	74 500	106 200 *	128 400 *	34,0
36,0	66,6	79,3	40 000	68 500	99 000 *	120 300 *	36,0
38,0	65,1	78,3	36 500	63 300	92 600	113 000 *	38,0
40,0	63,5	77,3	33 300	58 700	86 300	106 400 *	40,0
42,0	62,0	76,3	30 500	54 500	80 700	100 400 *	42,0
44,0	60,4	75,2	27 900	50 800	75 700	95 000 *	44,0
46,0	58,8	73,9	25 600	47 400	71 100	90 000 *	46,0
48,0	57,2	72,7	23 500	44 300	66 900	85 400 *	48,0
50,0	55,6	71,3	21 600	41 400	63 100	81 200 *	50,0
52,0	53,9	69,8	19 800	38 900	59 600	77 300 *	52,0
54,0	52,1	68,3	18 200	36 500	56 400	73 700 *	54,0
56,0	50,4	66,6	16 700	34 200	53 400	70 300 *	56,0
58,0	48,6	64,9	15 200	32 200	50 600	67 100 *	58,0
60,0	46,7	63,0	13 900	30 300	48 100	64 100 *	60,0
62,0	44,8	61,0	12 700	28 500	45 700	61 300 *	62,0
64,0	42,8	58,8	11 600	26 800	43 500	58 700 *	64,0
66,0	40,7	56,5	10 500	25 300	41 300	56 200 *	66,0
68,0	38,5	54,0	9 500	23 800	39 400	53 900 *	68,0
70,0	36,2	51,3	8 500	22 400	37 500	51 700 *	70,0
72,0	33,8	48,4	7 600	21 100	35 800	49 600 *	72,0
74,0	31,2	45,2	6 600 *	19 800	34 100	47 700 *	74,0
76,0	28,4	41,5	5 600 *	18 700	32 500	45 800 *	76,0
80,0	21,7	32,7	3 700 *	16 500	29 600	42 000 *	80,0

16000 MAX-ER

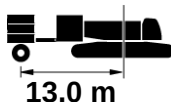
ANSI B30.5



150 590 kg
+
54 430 kg



360°



13,0 m



90,0 m

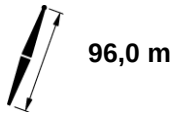
 m	 o	 m	 0 kg	 72 300 kg	 152 130 kg	 231 970 kg	 m
13,7	83,0	91,8	148 400 *	148 400 *	148 400 *	148 400 *	13,7
14,0	82,8	91,8	148 400 *	148 400 *	148 400 *	148 400 *	14,0
16,0	81,5	91,5	138 900	148 400 *	148 400 *	148 400 *	16,0
18,0	80,2	91,2	116 300	148 400 *	148 400 *	148 400 *	18,0
20,0	78,9	90,8	99 400	147 700	148 400 *	148 400 *	20,0
22,0	77,6	90,3	86 200	137 800	147 800 *	147 800 *	22,0
24,0	76,3	89,8	75 700	121 100	145 300 *	145 300 *	24,0
26,0	75,0	89,3	67 000	108 300	142 300 *	142 400 *	26,0
28,0	73,6	88,7	59 700	97 700	133 800 *	139 700 *	28,0
30,0	72,3	88,1	53 600	88 600	123 000 *	137 000 *	30,0
32,0	71,0	87,4	48 300	80 800	113 800 *	134 400 *	32,0
34,0	69,6	86,6	43 700	74 100	105 700 *	128 200 *	34,0
36,0	68,2	85,8	39 700	68 200	98 500 *	119 800 *	36,0
38,0	66,8	85,0	36 100	63 000	92 100 *	112 500 *	38,0
40,0	65,4	84,0	32 900	58 400	86 000	105 900 *	40,0
42,0	64,0	83,1	30 100	54 200	80 400	100 000 *	42,0
44,0	62,6	82,0	27 600	50 400	75 300	94 500 *	44,0
46,0	61,1	80,9	25 300	47 000	70 700	89 600 *	46,0
48,0	59,7	79,7	23 100	43 900	66 500	85 000 *	48,0
50,0	58,2	78,5	21 200	41 100	62 700	80 800 *	50,0
52,0	56,6	77,2	19 400	38 500	59 200	76 900 *	52,0
54,0	55,1	75,8	17 800	36 100	56 000	73 300 *	54,0
56,0	53,5	74,3	16 300	33 900	53 100	69 900 *	56,0
58,0	51,9	72,8	14 900	31 800	50 300	66 700 *	58,0
60,0	50,2	71,1	13 600	29 900	47 700	63 700 *	60,0
62,0	48,5	69,3	12 300	28 100	45 300	60 900 *	62,0
64,0	46,8	67,5	11 200	26 500	43 100	58 300 *	64,0
66,0	45,0	65,5	10 100	24 900	41 000	55 800 *	66,0
68,0	43,1	63,3	9 100	23 400	39 000	53 500 *	68,0
70,0	41,2	61,1	8 200	22 100	37 200	51 300 *	70,0
72,0	39,2	58,7	7 200 *	20 800	35 500	49 200 *	72,0
74,0	37,1	56,0	6 200 *	19 500	33 800	47 300 *	74,0
76,0	34,9	53,2	5 200 *	18 400	32 200	45 400 *	76,0
80,0	30,1	46,7		16 100 *	29 400	42 000 *	80,0
84,0	24,4	38,7		13 800 *	26 700	38 800 *	84,0
88,0	16,9	27,6		11 600 *	24 300	33 800 *	88,0

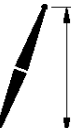
16000 MAX-ER

ANSI B30.5



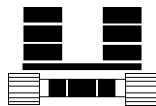
150 590 kg
+
54 430 kg



 m	 o	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
15,2	82,5	97,7	126 900 *	126 900 *	126 900 *	126 900 *	15,2
16,0	82,0	97,6	126 900 *	126 900 *	126 900 *	126 900 *	16,0
18,0	80,8	97,2	115 700	126 900 *	126 900 *	126 900 *	18,0
20,0	79,6	96,9	98 900	126 900 *	126 900 *	126 900 *	20,0
22,0	78,4	96,5	85 600	126 900 *	126 900 *	126 900 *	22,0
24,0	77,2	96,0	75 000	120 100	126 900 *	126 900 *	24,0
26,0	75,9	95,5	66 300	107 600	126 900 *	126 900 *	26,0
28,0	74,7	94,9	59 000	97 000	126 800 *	126 800 *	28,0
30,0	73,4	94,4	52 900	87 900	122 700 *	126 600 *	30,0
32,0	72,2	93,7	47 500	80 100	113 000 *	125 800 *	32,0
34,0	70,9	93,0	43 000	73 400	104 900 *	124 600 *	34,0
36,0	69,7	92,3	38 900	67 400	97 700 *	119 400 *	36,0
38,0	68,4	91,5	35 400	62 200	91 200 *	111 600 *	38,0
40,0	67,1	90,6	32 200	57 600	85 200	105 000 *	40,0
42,0	65,8	89,7	29 300	53 400	79 600	99 000 *	42,0
44,0	64,4	88,8	26 800	49 600	74 500	93 600 *	44,0
46,0	63,1	87,7	24 500	46 200	69 900	88 600 *	46,0
48,0	61,7	86,7	22 400	43 100	65 800	84 100 *	48,0
50,0	60,4	85,5	20 400	40 300	61 900	79 900 *	50,0
52,0	59,0	84,3	18 600	37 700	58 400	76 000 *	52,0
54,0	57,6	83,1	17 000	35 300	55 200	72 400 *	54,0
56,0	56,1	81,7	15 500	33 100	52 300	69 000 *	56,0
58,0	54,7	80,3	14 100	31 000	49 500	65 800 *	58,0
60,0	53,2	78,8	12 700	29 100	46 900	62 800 *	60,0
62,0	51,7	77,2	11 500	27 300	44 500	60 000 *	62,0
64,0	50,1	75,6	10 400	25 700	42 300	57 400 *	64,0
66,0	48,5	73,8	9 300	24 100	40 200	55 000 *	66,0
68,0	46,9	71,9	8 300	22 600	38 200	52 600 *	68,0
70,0	45,2	70,0	7 200 *	21 300	36 400	50 500 *	70,0
72,0	43,5	67,9	6 100 *	20 000	34 700	48 400 *	72,0
74,0	41,7	65,6	5 100 *	18 800	33 000	46 400 *	74,0
76,0	39,8	63,3	4 100 *	17 500	31 400	44 600 *	76,0
80,0	35,9	58,0		15 100 *	28 600	41 200 *	80,0
84,0	31,5	51,8		12 800 *	26 000	38 100 *	84,0
88,0	26,4	44,4		10 700 *	23 500	35 200 *	88,0
92,0	20,2	34,8		8 700 *	21 000 *	30 900 *	92,0

16000 MAX-ER

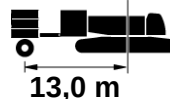
ANSI B30.5



150 590 kg
+
54 430 kg



360°



13,0 m



102,0 m

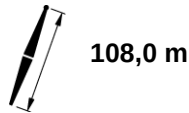
 m	 o	 m	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
15,2	82,9	103,7	107 800 *	107 800 *	107 800 *	15,2
16,0	82,5	103,7	107 800 *	107 800 *	107 800 *	16,0
18,0	81,4	103,3	107 800 *	107 800 *	107 800 *	18,0
20,0	80,2	103,0	107 800 *	107 800 *	107 800 *	20,0
22,0	79,1	102,6	107 700 *	107 700 *	107 700 *	22,0
24,0	77,9	102,2	107 600 *	107 600 *	107 600 *	24,0
26,0	76,8	101,7	107 200	107 500 *	107 500 *	26,0
28,0	75,6	101,2	96 600	107 300 *	107 300 *	28,0
30,0	74,4	100,6	87 500	106 500 *	106 500 *	30,0
32,0	73,3	100,0	79 700	105 800 *	105 800 *	32,0
34,0	72,1	99,4	72 900	104 200 *	105 000 *	34,0
36,0	70,9	98,7	67 000	97 300 *	104 200 *	36,0
38,0	69,7	97,9	61 800	90 700 *	103 500 *	38,0
40,0	68,5	97,1	57 100	84 800	102 500 *	40,0
42,0	67,3	96,3	52 900	79 100	98 800 *	42,0
44,0	66,1	95,4	49 200	74 000	93 100 *	44,0
46,0	64,8	94,5	45 800	69 500	88 100 *	46,0
48,0	63,6	93,5	42 700	65 300	83 600 *	48,0
50,0	62,3	92,4	39 800	61 500	79 300 *	50,0
52,0	61,0	91,3	37 200	58 000	75 400 *	52,0
54,0	59,7	90,2	34 800	54 700	71 900 *	54,0
56,0	58,4	88,9	32 600	51 800	68 500 *	56,0
58,0	57,0	87,6	30 600	49 000	65 300 *	58,0
60,0	55,7	86,2	28 600	46 500	62 300 *	60,0
62,0	54,3	84,8	26 900	44 100	59 500 *	62,0
64,0	52,9	83,3	25 200	41 800	56 900 *	64,0
66,0	51,5	81,7	23 600	39 800	54 500 *	66,0
68,0	50,0	80,0	22 200	37 800	52 100 *	68,0
70,0	48,5	78,3	20 800	35 900	50 000 *	70,0
72,0	47,0	76,4	19 500	34 200	47 900 *	72,0
74,0	45,4	74,4	18 300	32 600	45 900 *	74,0
76,0	43,8	72,4	17 000 *	31 000	44 100 *	76,0
80,0	40,4	67,8	14 500 *	28 100	40 700 *	80,0
84,0	36,7	62,7	12 200 *	25 500	37 600 *	84,0
88,0	32,7	56,8	10 100 *	23 000 *	34 800 *	88,0
92,0	28,2	49,8	8 200 *	20 500 *	32 200 *	92,0
96,0	22,8	41,1	6 400 *	18 200 *	28 600 *	96,0

16000 MAX-ER

ANSI B30.5



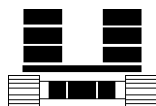
150 590 kg
+
54 430 kg



 m	 o	 m	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
16,8	82,5	109,6	93 000 *	93 000 *	93 000 *	16,8
18,0	81,8	109,4	92 900 *	92 900 *	92 900 *	18,0
20,0	80,8	109,1	92 900 *	92 900 *	92 900 *	20,0
22,0	79,7	108,7	92 800 *	92 800 *	92 800 *	22,0
24,0	78,6	108,3	92 700 *	92 700 *	92 700 *	24,0
26,0	77,5	107,9	92 400 *	92 400 *	92 400 *	26,0
28,0	76,4	107,4	91 700 *	91 700 *	91 700 *	28,0
30,0	75,3	106,9	87 500 *	91 000 *	91 000 *	30,0
32,0	74,2	106,3	79 000 *	90 400 *	90 400 *	32,0
34,0	73,1	105,7	72 200 *	89 700 *	89 700 *	34,0
36,0	72,0	105,0	66 300 *	89 000 *	89 000 *	36,0
38,0	70,9	104,3	61 000 *	88 300 *	88 300 *	38,0
40,0	69,8	103,6	56 400 *	84 200 *	87 600 *	40,0
42,0	68,6	102,8	52 200 *	78 400 *	87 000 *	42,0
44,0	67,5	102,0	48 400 *	73 300 *	86 300 *	44,0
46,0	66,3	101,1	45 000 *	68 700 *	85 500 *	46,0
48,0	65,1	100,2	41 900 *	64 500 *	83 000 *	48,0
50,0	64,0	99,2	39 100 *	60 700 *	78 500 *	50,0
52,0	62,8	98,2	36 500 *	57 200 *	74 600 *	52,0
54,0	61,6	97,1	34 100 *	54 000 *	71 000 *	54,0
56,0	60,3	95,9	31 900 *	51 000 *	67 600 *	56,0
58,0	59,1	94,7	29 800 *	48 300 *	64 500 *	58,0
60,0	57,8	93,5	27 900 *	45 700 *	61 500 *	60,0
62,0	56,6	92,2	26 100 *	43 300 *	58 700 *	62,0
64,0	55,3	90,8	24 500 *	41 100 *	56 100 *	64,0
66,0	54,0	89,3	22 900 *	39 000 *	53 600 *	66,0
68,0	52,6	87,8	21 400 *	37 000 *	51 300 *	68,0
70,0	51,3	86,2	20 100 *	35 200 *	49 100 *	70,0
72,0	49,9	84,5	18 700 *	33 400 *	47 100 *	72,0
74,0	48,5	82,7	17 300 *	31 800 *	45 100 *	74,0
76,0	47,0	80,9	15 900 *	30 200 *	43 300 *	76,0
80,0	44,0	76,9	13 400 *	27 400 *	39 900 *	80,0
84,0	40,8	72,4	11 200 *	24 700 *	36 800 *	84,0
88,0	37,4	67,4	9 100 *	22 000 *	34 000 *	88,0
92,0	33,7	61,7	7 200 *	19 500 *	31 400 *	92,0
96,0	29,6	55,0	5 400 *	17 200 *	28 900 *	96,0
100,0	24,9	47,0	3 900 *	15 100 *	25 900 *	100,0
104,0	19,0	36,8		13 100 *	22 000 *	104,0

16000 MAX-ER

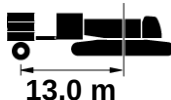
ANSI B30.5



150 590 kg
+
54 430 kg



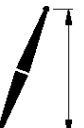
360°



13,0 m



114,0 m

 m	 o	 m	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
16,8	82,9	115,7	79 700 *	79 700 *	79 700 *	16,8
18,0	82,3	115,5	79 700 *	79 700 *	79 700 *	18,0
20,0	81,3	115,2	79 500 *	79 500 *	79 500 *	20,0
22,0	80,2	114,8	79 500 *	79 500 *	79 500 *	22,0
24,0	79,2	114,4	79 300 *	79 300 *	79 300 *	24,0
26,0	78,2	114,0	78 800 *	78 800 *	78 800 *	26,0
28,0	77,2	113,6	78 200 *	78 200 *	78 200 *	28,0
30,0	76,1	113,1	77 600 *	77 600 *	77 600 *	30,0
32,0	75,1	112,5	77 000 *	77 000 *	77 000 *	32,0
34,0	74,0	111,9	71 800	76 300 *	76 300 *	34,0
36,0	73,0	111,3	65 800	75 700 *	75 700 *	36,0
38,0	71,9	110,7	60 500	75 100 *	75 100 *	38,0
40,0	70,9	110,0	55 900	74 500 *	74 500 *	40,0
42,0	69,8	109,2	51 700	73 900 *	73 900 *	42,0
44,0	68,7	108,5	47 900	72 500	73 300 *	44,0
46,0	67,6	107,6	44 500	68 200	72 700 *	46,0
48,0	66,5	106,8	41 300	64 000	72 100 *	48,0
50,0	65,4	105,9	38 500	60 200	71 400 *	50,0
52,0	64,3	104,9	35 900	56 700	70 800 *	52,0
54,0	63,2	103,9	33 500	53 500	69 900 *	54,0
56,0	62,0	102,8	31 300	50 500	67 100 *	56,0
58,0	60,9	101,7	29 300	47 700	63 900 *	58,0
60,0	59,7	100,5	27 400	45 100	60 900 *	60,0
62,0	58,6	99,3	25 600	42 800	58 100 *	62,0
64,0	57,4	98,0	23 900	40 500	55 500 *	64,0
66,0	56,1	96,7	22 400	38 400	53 000 *	66,0
68,0	54,9	95,3	20 900	36 500	50 700 *	68,0
70,0	53,7	93,8	19 500	34 600	48 600 *	70,0
72,0	52,4	92,3	18 000 *	32 900	46 500 *	72,0
74,0	51,1	90,7	16 500 *	31 200	44 600 *	74,0
76,0	49,8	89,0	15 200 *	29 700	42 700 *	76,0
80,0	47,1	85,4	12 700 *	26 800	39 300 *	80,0
84,0	44,3	81,4	10 500 *	24 000 *	36 200 *	84,0
88,0	41,3	77,0	8 400 *	21 300 *	33 400 *	88,0
92,0	38,1	72,0	6 500 *	18 800 *	30 900 *	92,0
96,0	34,6	66,5	4 800 *	16 600 *	28 300 *	96,0
100,0	30,8	60,1		14 500 *	25 700 *	100,0
104,0	26,6	52,6		12 500 *	23 300 *	104,0
108,0	21,5	43,4		10 700 *	16 900 *	108,0

16000 MAX-ER

ANSI B30.5



150 590 kg
+
54 430 kg



120,0 m

 m	 °	 m	 kg	 kg	 kg	 m
18,3	82,5	121,5	68 900 *	68 900 *	68 900 *	18,3
20,0	81,7	121,2	68 800 *	68 800 *	68 800 *	20,0
22,0	80,7	120,9	68 800 *	68 800 *	68 800 *	22,0
24,0	79,8	120,6	68 600 *	68 600 *	68 600 *	24,0
26,0	78,8	120,2	68 200 *	68 200 *	68 200 *	26,0
28,0	77,8	119,7	67 700 *	67 700 *	67 700 *	28,0
30,0	76,8	119,2	67 100 *	67 100 *	67 100 *	30,0
32,0	75,8	118,7	66 500 *	66 500 *	66 500 *	32,0
34,0	74,9	118,2	66 000 *	66 000 *	66 000 *	34,0
36,0	73,9	117,6	64 400	65 000 *	65 000 *	36,0
38,0	72,9	117,0	59 600	63 500 *	63 500 *	38,0
40,0	71,9	116,3	54 900	62 300 *	62 300 *	40,0
42,0	70,8	115,6	50 700	61 100 *	61 100 *	42,0
44,0	69,8	114,9	46 900	59 900 *	59 900 *	44,0
46,0	68,8	114,1	43 500	58 800 *	58 800 *	46,0
48,0	67,8	113,3	40 400	57 600 *	57 600 *	48,0
50,0	66,7	112,4	37 600	56 400 *	56 400 *	50,0
52,0	65,7	111,5	35 000	55 100	55 200 *	52,0
54,0	64,6	110,6	32 600	52 600	54 000 *	54,0
56,0	63,6	109,6	30 400	49 500	52 800 *	56,0
58,0	62,5	108,6	28 300	46 800	51 600 *	58,0
60,0	61,4	107,5	26 400	44 200	50 400 *	60,0
62,0	60,3	106,3	24 600	41 800	49 200 *	62,0
64,0	59,2	105,1	23 000	39 600	48 000 *	64,0
66,0	58,1	103,9	21 400	37 500	46 800 *	66,0
68,0	56,9	102,6	19 800 *	35 500	45 700 *	68,0
70,0	55,8	101,2	18 200 *	33 700	44 500 *	70,0
72,0	54,6	99,8	16 700 *	31 900	43 300 *	72,0
74,0	53,4	98,3	15 300 *	30 300	42 100 *	74,0
76,0	52,2	96,8	13 900 *	28 700	40 900 *	76,0
80,0	49,7	93,5	11 400 *	25 700 *	38 300 *	80,0
84,0	47,1	89,8	9 200 *	22 700 *	35 200 *	84,0
88,0	44,5	85,9	7 100 *	20 000 *	32 400 *	88,0
92,0	41,6	81,5	5 300 *	17 600 *	29 800 *	92,0
96,0	38,6	76,7	3 500 *	15 300 *	27 000 *	96,0
100,0	35,4	71,3		13 200 *	24 400 *	100,0
104,0	31,9	65,1		11 300 *	22 100 *	104,0
108,0	28,0	58,0		9 500 *	19 800 *	108,0
112,0	23,5	49,5		7 800 *	17 300 *	112,0
116,0	18,0	38,7		6 200 *	14 000 *	116,0