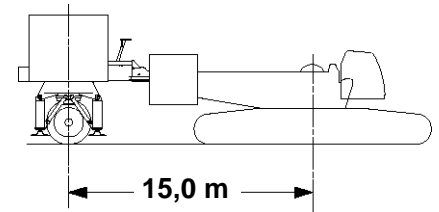


Liftcrane Boom Capacities

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 15,0 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 (*).

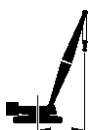
Wheeled counterweight must be attached to machine and MAX-ER mode must be selected to operate. Swing and travel (forward or side crawl) requires proper position of counterweight wheels when contacting ground. Refer to Operator's Manual for wheel positioning. Exit MAX-ER mode before operating without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

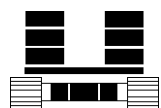
Maximum Boom Length Lifted Unassisted	
Over End of Blocked Crawlers	Over Side or End of Unblocked Crawlers
With 0 kg Wheeled Counterweight	
96,0 m	90,0 m
With 72 300 kg Wheeled Counterweight	
120,0 m	114,0 m
Over Side or End of Unblocked Crawlers	
With 152 130 kg Wheeled Counterweight	With 231 970 kg 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


58 HL  Boom No. 58 Heavy Lift Top


 Crane Counterweight
+
Carbody Counterweight


 360°
360 Degree Rating

 Wheeled Counterweight
Position From Axis of
Rotation


 Boom Length

 Operating Radius
(see page 1)

 Boom Angle
(see page 1)

 Boom Point Elevation
(see page 1)

 Wheeled Counterweight

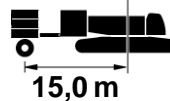
 Lifting Capacities
(see page 1)

16000 MAX-ER

ANSI B30.5



150 590 kg
+
54 430 kg



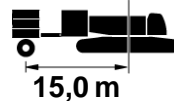
m	m	m	kg	kg	kg	kg	m
7,9	82,8	44,2	335 000 *	379 800 *	379 800 *	379 800 *	7,9
8,0	82,7	44,2	332 100 *	379 800 *	379 800 *	379 800 *	8,0
9,0	81,3	44,0	295 900 *	372 800 *	379 800 *	379 800 *	9,0
10,0	80,0	43,8	266 400 *	339 600 *	379 800 *	379 800 *	10,0
11,0	78,6	43,6	239 800 *	309 100 *	379 100 *	379 800 *	11,0
12,0	77,2	43,4	215 400	283 400 *	351 600 *	379 800 *	12,0
14,0	74,3	42,8	170 500	242 500 *	301 100 *	361 900 *	14,0
16,0	71,4	42,1	140 000	211 200 *	262 900 *	314 200 *	16,0
18,0	68,5	41,3	118 200	185 600 *	233 100 *	278 900 *	18,0
20,0	65,5	40,4	101 700	164 600	209 000 *	250 400 *	20,0
22,0	62,4	39,4	88 800	144 800	189 000 *	226 800 *	22,0
24,0	59,3	38,2	78 400	128 900	172 400 *	207 100 *	24,0
26,0	56,0	36,8	69 900	115 800	158 200 *	190 300 *	26,0
28,0	52,5	35,3	62 700	104 900	145 900 *	175 900 *	28,0
30,0	48,9	33,6	56 700	95 600	134 900 *	163 300 *	30,0
32,0	45,1	31,6	51 500	87 700	125 200 *	152 300 *	32,0
34,0	41,0	29,3	47 000	80 800	116 700 *	142 500 *	34,0
36,0	36,5	26,7	43 000	74 700	109 100 *	133 800 *	36,0
38,0	31,4	23,5	39 400	69 300	102 000	126 000 *	38,0
40,0	25,3	19,6	36 300	64 500	95 400	118 900 *	40,0

16000 MAX-ER

ANSI B30.5



150 590 kg
+
54 430 kg



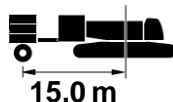
m	°	m	kg	kg	kg	kg	kg	m	m
8,5	83,0	50,2	311 200 *	340 000 *	340 000 *	340 000 *	340 000 *	8,5	8,5
9,0	82,4	50,1	295 600 *	340 000 *	340 000 *	340 000 *	340 000 *	9,0	9,0
10,0	81,2	49,9	266 000 *	334 900 *	340 000 *	340 000 *	340 000 *	10,0	10,0
11,0	80,0	49,7	239 500 *	308 600 *	340 000 *	340 000 *	340 000 *	11,0	11,0
12,0	78,8	49,5	215 700	282 900 *	340 000 *	340 000 *	340 000 *	12,0	12,0
14,0	76,3	49,0	170 700	242 000 *	301 000 *	338 100 *	338 100 *	14,0	14,0
16,0	73,8	48,5	140 100	210 800 *	262 400 *	317 100 *	317 100 *	16,0	16,0
18,0	71,3	47,8	118 100	185 200 *	232 500 *	278 400 *	278 400 *	18,0	18,0
20,0	68,8	47,0	101 600	164 200	208 400 *	249 800 *	249 800 *	20,0	20,0
22,0	66,2	46,1	88 600	144 700	188 500 *	226 300 *	226 300 *	22,0	22,0
24,0	63,5	45,1	78 200	128 700	171 900 *	206 600 *	206 600 *	24,0	24,0
26,0	60,7	44,0	69 700	115 600	157 700 *	189 800 *	189 800 *	26,0	26,0
28,0	57,9	42,7	62 500	104 700	145 500 *	175 300 *	175 300 *	28,0	28,0
30,0	55,0	41,3	56 400	95 400	134 400 *	162 800 *	162 800 *	30,0	30,0
32,0	52,0	39,8	51 200	87 400	124 800 *	151 800 *	151 800 *	32,0	32,0
34,0	48,8	38,0	46 700	80 500	116 200 *	142 000 *	142 000 *	34,0	34,0
36,0	45,5	36,1	42 700	74 400	108 700 *	133 300 *	133 300 *	36,0	36,0
38,0	42,0	33,9	39 200	69 100	101 800	125 500 *	125 500 *	38,0	38,0
40,0	38,1	31,4	36 000	64 300	95 200	118 500 *	118 500 *	40,0	40,0
42,0	33,9	28,5	33 200	59 900	89 300	112 100 *	112 100 *	42,0	42,0
44,0	29,2	25,1	30 700	56 100	83 900	106 200 *	106 200 *	44,0	44,0
46,0	23,5	20,8	28 300	52 500	79 100	100 900 *	100 900 *	46,0	46,0




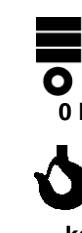
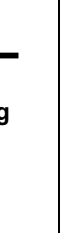

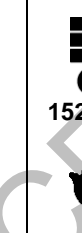

16000 MAX-ER

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150 590 kg
+
54 430 kg



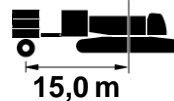
 m	 °	 m	 0 kg	 72 300 kg	 152 130 kg	 231 970 kg	 m
9,8	82,5	56,0	272 200 *	312 300 *	312 300 *	312 300 *	9,8
10,0	82,2	56,0	265 600 *	312 200 *	312 200 *	312 200 *	10,0
11,0	81,1	55,8	239 000 *	308 300 *	311 600 *	311 600 *	11,0
12,0	80,1	55,7	215 500	282 300 *	311 400 *	311 400 *	12,0
14,0	77,9	55,2	170 600	241 400 *	302 400 *	310 600 *	14,0
16,0	75,7	54,7	140 000	210 200 *	261 800 *	302 900 *	16,0
18,0	73,5	54,1	118 000	184 700 *	231 900 *	279 500 *	18,0
20,0	71,2	53,4	101 300	163 700	207 800 *	249 200 *	20,0
22,0	69,0	52,7	88 300	144 500	187 900 *	225 700 *	22,0
24,0	66,7	51,8	77 900	128 400	171 300 *	206 000 *	24,0
26,0	64,3	50,8	69 400	115 300	157 100 *	189 200 *	26,0
28,0	61,9	49,7	62 200	104 300	144 900 *	174 800 *	28,0
30,0	59,4	48,6	56 100	95 000	133 900 *	162 200 *	30,0
32,0	56,9	47,3	50 900	87 100	124 300 *	151 200 *	32,0
34,0	54,3	45,8	46 300	80 100	115 700 *	141 400 *	34,0
36,0	51,6	44,2	42 300	74 000	108 100 *	132 700 *	36,0
38,0	48,8	42,5	38 800	68 700	101 400	124 900 *	38,0
40,0	45,8	40,6	35 700	63 900	94 800	117 900 *	40,0
42,0	42,7	38,4	32 800	59 600	88 900	111 500 *	42,0
44,0	39,4	36,0	30 300	55 700	83 500	105 700 *	44,0
46,0	35,8	33,3	28 000	52 200	78 700	100 400 *	46,0
48,0	31,9	30,2	25 800	48 900	74 300	95 400 *	48,0
50,0	27,4	26,5	23 900	46 000	70 300	90 900 *	50,0
52,0	22,1	21,9	22 100	43 300	66 500	86 700 *	52,0

16000 MAX-ER

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150 590 kg
+
54 430 kg



m	°	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	279 300 *	282 400 *	282 400 *	12,0
14,0	79,1	61,4	170 500	240 600 *	277 800 *	277 800 *	14,0
16,0	77,2	60,9	139 700	209 500 *	264 500 *	272 500 *	16,0
18,0	75,2	60,4	117 600	184 100 *	231 200 *	267 100 *	18,0
20,0	73,2	59,8	101 000	163 100	207 100 *	248 800 *	20,0
22,0	71,2	59,1	87 900	144 100	187 200 *	225 000 *	22,0
24,0	69,1	58,3	77 500	128 000	170 600 *	205 200 *	24,0
26,0	67,0	57,5	68 900	114 900	156 400 *	188 500 *	26,0
28,0	64,9	56,5	61 700	103 900	144 200 *	174 100 *	28,0
30,0	62,8	55,5	55 600	94 500	133 300 *	161 500 *	30,0
32,0	60,6	54,4	50 400	86 600	123 600 *	150 500 *	32,0
34,0	58,4	53,1	45 800	79 600	115 100 *	140 800 *	34,0
36,0	56,1	51,8	41 800	73 500	107 500 *	132 100 *	36,0
38,0	53,7	50,3	38 300	68 200	100 800 *	124 300 *	38,0
40,0	51,2	48,7	35 100	63 400	94 300	117 200 *	40,0
42,0	48,7	47,0	32 300	59 000	88 400	110 800 *	42,0
44,0	46,1	45,1	29 800	55 200	83 000	105 000 *	44,0
46,0	43,3	43,0	27 400	51 700	78 200	99 700 *	46,0
48,0	40,4	40,6	25 300	48 400	73 800	94 800 *	48,0
50,0	37,2	38,0	23 400	45 500	69 800	90 300 *	50,0
52,0	33,9	35,1	21 700	42 800	66 100	86 100 *	52,0
54,0	30,1	31,8	20 000	40 300	62 700	82 200 *	54,0
56,0	25,9	27,8	18 500	38 000	59 500	78 600 *	56,0
58,0	20,9	23,0	17 000	35 900	56 500	75 100 *	58,0




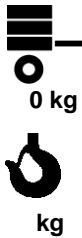




16000 MAX-ER

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150 590 kg
+
54 430 kg



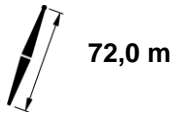
 m	 °	 m	 0 kg	 72 300 kg	 152 130 kg	 231 970 kg	 m
11,0	82,8	68,0	238 900 *	251 100 *	251 100 *	251 100 *	11,0
12,0	81,9	67,8	215 400	251 100 *	251 100 *	251 100 *	12,0
14,0	80,1	67,5	170 600	242 300 *	250 400 *	250 400 *	14,0
16,0	78,3	67,1	139 800	209 300 *	245 800 *	245 800 *	16,0
18,0	76,6	66,6	117 700	183 900 *	231 400 *	241 400 *	18,0
20,0	74,8	66,0	101 000	162 900	206 800 *	236 900 *	20,0
22,0	72,9	65,4	87 900	144 100	187 000 *	226 300 *	22,0
24,0	71,1	64,7	77 400	127 900	170 300 *	205 000 *	24,0
26,0	69,3	64,0	68 900	114 800	156 200 *	188 200 *	26,0
28,0	67,4	63,1	61 700	103 800	144 000 *	173 800 *	28,0
30,0	65,5	62,2	55 500	94 500	133 100 *	161 300 *	30,0
32,0	63,5	61,2	50 300	86 500	123 400 *	150 300 *	32,0
34,0	61,5	60,1	45 700	79 500	114 900 *	140 500 *	34,0
36,0	59,5	59,0	41 700	73 500	107 300 *	131 800 *	36,0
38,0	57,5	57,7	38 200	68 100	100 600 *	124 100 *	38,0
40,0	55,4	56,3	35 100	63 300	94 200	117 000 *	40,0
42,0	53,2	54,8	32 200	59 000	88 300	110 600 *	42,0
44,0	51,0	53,2	29 700	55 100	83 000	104 800 *	44,0
46,0	48,7	51,5	27 400	51 600	78 100	99 500 *	46,0
48,0	46,3	49,5	25 300	48 400	73 700	94 600 *	48,0
50,0	43,8	47,5	23 400	45 400	69 700	90 100 *	50,0
52,0	41,1	45,2	21 600	42 800	66 000	86 000 *	52,0
54,0	38,4	42,7	19 900	40 300	62 600	82 100 *	54,0
56,0	35,4	40,0	18 400	38 000	59 400	78 500 *	56,0
58,0	32,2	36,8	17 000	35 800	56 500	75 000 *	58,0
60,0	28,7	33,3	15 700	33 800	53 800	71 800 *	60,0
62,0	24,6	29,1	14 400	32 000	51 200	68 800 *	62,0
64,0	19,9	24,0	13 200	30 200	48 900	66 000 *	64,0

16000 MAX-ER

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150 590 kg
+
54 430 kg



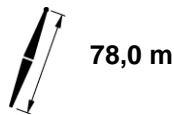
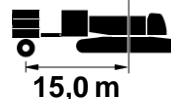
m	°	m	kg	kg	kg	kg	kg	m	m
11,6	82,9	74,0	224 000 *	227 800 *	227 800 *	227 800 *	227 800 *	11,6	11,6
12,0	82,6	73,9	215 100	227 800 *	227 800 *	227 800 *	227 800 *	12,0	12,0
14,0	81,0	73,6	170 300	224 800 *	225 200 *	225 200 *	225 200 *	14,0	14,0
16,0	79,3	73,2	139 400	210 900 *	221 500 *	221 500 *	221 500 *	16,0	16,0
18,0	77,7	72,8	117 200	183 200 *	217 800 *	217 800 *	217 800 *	18,0	18,0
20,0	76,1	72,3	100 500	162 200	206 500 *	214 200 *	214 200 *	20,0	20,0
22,0	74,4	71,7	87 400	143 600	186 100 *	210 500 *	210 500 *	22,0	22,0
24,0	72,7	71,1	76 900	127 400	169 500 *	203 400 *	203 400 *	24,0	24,0
26,0	71,1	70,4	68 300	114 200	155 400 *	187 500 *	187 500 *	26,0	26,0
28,0	69,4	69,6	61 100	103 200	143 200 *	173 000 *	173 000 *	28,0	28,0
30,0	67,6	68,8	55 000	93 900	132 400 *	160 500 *	160 500 *	30,0	30,0
32,0	65,9	67,9	49 700	85 900	122 700 *	149 500 *	149 500 *	32,0	32,0
34,0	64,1	66,9	45 100	78 900	114 200 *	139 700 *	139 700 *	34,0	34,0
36,0	62,3	65,9	41 100	72 800	106 600 *	131 000 *	131 000 *	36,0	36,0
38,0	60,5	64,8	37 600	67 500	99 900 *	123 200 *	123 200 *	38,0	38,0
40,0	58,6	63,5	34 400	62 600	93 600	116 200 *	116 200 *	40,0	40,0
42,0	56,7	62,2	31 600	58 400	87 700	109 800 *	109 800 *	42,0	42,0
44,0	54,8	60,8	29 100	54 500	82 300	104 000 *	104 000 *	44,0	44,0
46,0	52,8	59,3	26 800	51 000	77 500	98 800 *	98 800 *	46,0	46,0
48,0	50,7	57,7	24 700	47 800	73 100	93 900 *	93 900 *	48,0	48,0
50,0	48,6	55,9	22 700	44 800	69 100	89 400 *	89 400 *	50,0	50,0
52,0	46,4	54,0	20 900	42 100	65 400	85 200 *	85 200 *	52,0	52,0
54,0	44,2	52,0	19 300	39 700	62 000	81 400 *	81 400 *	54,0	54,0
56,0	41,8	49,8	17 800	37 300	58 800	77 700 *	77 700 *	56,0	56,0
58,0	39,3	47,3	16 400	35 200	55 900	74 300 *	74 300 *	58,0	58,0
60,0	36,6	44,7	15 100	33 200	53 200	71 100 *	71 100 *	60,0	60,0
62,0	33,8	41,8	13 800	31 400	50 600	68 100 *	68 100 *	62,0	62,0
64,0	30,7	38,5	12 700	29 700	48 300	65 300 *	65 300 *	64,0	64,0
66,0	27,4	34,7	11 600	28 000	46 000	62 700 *	62 700 *	66,0	66,0
68,0	23,5	30,4	10 600	26 500	43 900	60 200 *	60 200 *	68,0	68,0
70,0	19,0	25,0	9 600	25 000	41 900	57 800 *	57 800 *	70,0	70,0




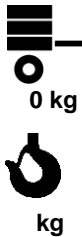




16000 MAX-ER

ANSI B30.5



150 590 kg
+
54 430 kg



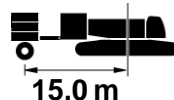
 m	 °	 m	 0 kg	 72 300 kg	 152 130 kg	 231 970 kg	 m
12,2	83,0	79,9	205 100 *	205 100 *	205 100 *	205 100 *	12,2
14,0	81,7	79,7	170 700	203 500 *	203 500 *	203 500 *	14,0
16,0	80,2	79,3	139 200	200 300 *	201 100 *	201 100 *	16,0
18,0	78,7	78,9	117 000	184 000 *	198 900 *	198 900 *	18,0
20,0	77,2	78,5	100 200	161 700	196 400 *	196 600 *	20,0
22,0	75,6	77,9	87 100	143 400	186 900 *	194 400 *	22,0
24,0	74,1	77,4	76 500	127 000	168 900 *	192 200 *	24,0
26,0	72,6	76,7	67 900	113 900	154 800 *	187 100 *	26,0
28,0	71,0	76,1	60 700	102 900	142 600 *	172 400 *	28,0
30,0	69,5	75,3	54 500	93 500	131 800 *	159 900 *	30,0
32,0	67,9	74,5	49 300	85 500	122 100 *	148 900 *	32,0
34,0	66,3	73,6	44 700	78 500	113 600 *	139 100 *	34,0
36,0	64,6	72,7	40 700	72 400	106 100 *	130 500 *	36,0
38,0	63,0	71,6	37 200	67 000	99 300 *	122 700 *	38,0
40,0	61,3	70,5	34 000	62 200	93 200	115 700 *	40,0
42,0	59,6	69,4	31 200	57 900	87 200	109 300 *	42,0
44,0	57,9	68,1	28 600	54 000	81 900	103 500 *	44,0
46,0	56,1	66,8	26 300	50 500	77 000	98 200 *	46,0
48,0	54,3	65,3	24 200	47 300	72 600	93 300 *	48,0
50,0	52,4	63,8	22 300	44 400	68 600	88 800 *	50,0
52,0	50,5	62,2	20 500	41 700	64 900	84 700 *	52,0
54,0	48,6	60,4	18 800	39 200	61 500	80 800 *	54,0
56,0	46,6	58,5	17 300	36 900	58 400	77 200 *	56,0
58,0	44,5	56,5	15 900	34 800	55 400	73 800 *	58,0
60,0	42,3	54,3	14 600	32 800	52 700	70 600 *	60,0
62,0	40,0	52,0	13 400	30 900	50 200	67 600 *	62,0
64,0	37,6	49,4	12 200	29 200	47 900	64 900 *	64,0
66,0	35,1	46,6	11 200	27 600	45 600	62 200 *	66,0
68,0	32,4	43,5	10 200	26 100	43 500	59 700 *	68,0
70,0	29,5	40,0	9 200	24 700	41 600	57 400 *	70,0
72,0	26,2	36,1	8 300	23 300	39 700	55 200 *	72,0
74,0	22,6	31,5	7 400	22 000	37 900	53 100 *	74,0
76,0	18,2	25,9	6 500 *	20 700	36 300	51 000 *	76,0

16000 MAX-ER

ANSI B30.5



150 590 kg
+
54 430 kg



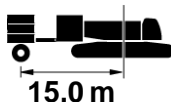
			kg	kg	kg	kg			
13,7	82,5	85,8	175 400	177 000 *	177 000 *	177 000 *	13,7		
14,0	82,3	85,7	170 600	177 000 *	177 000 *	177 000 *	14,0		
16,0	80,9	85,4	138 800	177 000 *	177 000 *	177 000 *	16,0		
18,0	79,5	85,1	116 500	177 000 *	177 000 *	177 000 *	18,0		
20,0	78,1	84,6	99 700	161 000	176 800 *	176 800 *	20,0		
22,0	76,7	84,2	86 500	142 800	174 000 *	174 000 *	22,0		
24,0	75,3	83,6	75 900	126 500	167 400 *	170 400 *	24,0		
26,0	73,9	83,0	67 300	113 200	154 000 *	167 100 *	26,0		
28,0	72,4	82,4	60 100	102 200	141 800 *	164 000 *	28,0		
30,0	71,0	81,7	53 900	92 900	131 000 *	158 700 *	30,0		
32,0	69,5	81,0	48 600	84 800	121 300 *	148 100 *	32,0		
34,0	68,1	80,2	44 100	77 800	112 800 *	138 300 *	34,0		
36,0	66,6	79,3	40 000	71 700	105 300 *	129 600 *	36,0		
38,0	65,1	78,3	36 500	66 300	98 500 *	121 900 *	38,0		
40,0	63,5	77,3	33 300	61 500	92 400	114 800 *	40,0		
42,0	62,0	76,3	30 500	57 200	86 500	108 500 *	42,0		
44,0	60,4	75,2	27 900	53 300	81 200	102 700 *	44,0		
46,0	58,8	73,9	25 600	49 800	76 400	97 400 *	46,0		
48,0	57,2	72,7	23 500	46 600	71 900	92 500 *	48,0		
50,0	55,6	71,3	21 600	43 700	67 900	88 000 *	50,0		
52,0	53,9	69,8	19 800	41 000	64 200	83 900 *	52,0		
54,0	52,1	68,3	18 200	38 500	60 800	80 000 *	54,0		
56,0	50,4	66,6	16 700	36 200	57 700	76 400 *	56,0		
58,0	48,6	64,9	15 200	34 100	54 800	73 100 *	58,0		
60,0	46,7	63,0	13 900	32 100	52 000	69 900 *	60,0		
62,0	44,8	61,0	12 700	30 300	49 500	66 900 *	62,0		
64,0	42,8	58,8	11 600	28 500	47 100	64 100 *	64,0		
66,0	40,7	56,5	10 500	26 900	44 900	61 400 *	66,0		
68,0	38,5	54,0	9 500	25 400	42 800	59 000 *	68,0		
70,0	36,2	51,3	8 500	24 000	40 900	56 600 *	70,0		
72,0	33,8	48,4	7 600	22 600	39 000	54 400 *	72,0		
74,0	31,2	45,2	6 600 *	21 300	37 300	52 300 *	74,0		
76,0	28,4	41,5	5 600 *	20 100	35 600	50 400 *	76,0		
80,0	21,7	32,7	3 700 *	17 900	32 500	46 600 *	80,0		




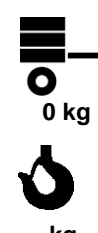


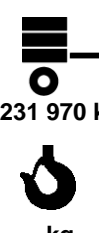

16000 MAX-ER

ANSI B30.5



150 590 kg
+
54 430 kg



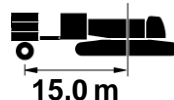
 m	 °	 m	 0 kg	 72 300 kg	 152 130 kg	 231 970 kg	 m
m	°	m	kg	kg	kg	kg	m
13,7	83,0	91,8	148 400 *	148 400 *	148 400 *	148 400 *	13,7
14,0	82,8	91,8	148 400 *	148 400 *	148 400 *	148 400 *	14,0
16,0	81,5	91,5	138 900	148 400 *	148 400 *	148 400 *	16,0
18,0	80,2	91,2	116 300	148 400 *	148 400 *	148 400 *	18,0
20,0	78,9	90,8	99 400	148 400 *	148 400 *	148 400 *	20,0
22,0	77,6	90,3	86 200	142 500	147 800 *	147 800 *	22,0
24,0	76,3	89,8	75 700	126 200	145 300 *	145 300 *	24,0
26,0	75,0	89,3	67 000	113 000	142 400 *	142 400 *	26,0
28,0	73,6	88,7	59 700	101 900	139 100 *	139 700 *	28,0
30,0	72,3	88,1	53 600	92 500	131 000 *	137 000 *	30,0
32,0	71,0	87,4	48 300	84 500	120 900 *	134 400 *	32,0
34,0	69,6	86,6	43 700	77 500	112 400 *	132 000 *	34,0
36,0	68,2	85,8	39 700	71 400	104 800 *	128 500 *	36,0
38,0	66,8	85,0	36 100	66 000	98 100 *	121 500 *	38,0
40,0	65,4	84,0	32 900	61 200	92 000	114 400 *	40,0
42,0	64,0	83,1	30 100	56 900	86 200	108 000 *	42,0
44,0	62,6	82,0	27 600	53 000	80 800	102 200 *	44,0
46,0	61,1	80,9	25 300	49 500	76 000	96 900 *	46,0
48,0	59,7	79,7	23 100	46 300	71 600	92 100 *	48,0
50,0	58,2	78,5	21 200	43 300	67 500	87 600 *	50,0
52,0	56,6	77,2	19 400	40 600	63 900	83 500 *	52,0
54,0	55,1	75,8	17 800	38 200	60 500	79 600 *	54,0
56,0	53,5	74,3	16 300	35 900	57 300	76 000 *	56,0
58,0	51,9	72,8	14 900	33 700	54 400	72 700 *	58,0
60,0	50,2	71,1	13 600	31 700	51 700	69 500 *	60,0
62,0	48,5	69,3	12 300	29 900	49 200	66 500 *	62,0
64,0	46,8	67,5	11 200	28 200	46 800	63 700 *	64,0
66,0	45,0	65,5	10 100	26 600	44 600	61 100 *	66,0
68,0	43,1	63,3	9 100	25 100	42 500	58 600 *	68,0
70,0	41,2	61,1	8 200	23 600	40 600	56 300 *	70,0
72,0	39,2	58,7	7 200 *	22 300	38 700	54 100 *	72,0
74,0	37,1	56,0	6 200 *	21 000	37 000	52 000 *	74,0
76,0	34,9	53,2	5 200 *	19 800	35 300	50 000 *	76,0
80,0	30,1	46,7		17 500	32 300	46 300 *	80,0
84,0	24,4	38,7		15 300 *	29 500	43 000 *	84,0
88,0	16,9	27,6		13 000 *	27 000	38 900 *	88,0

16000 MAX-ER

ANSI B30.5



150 590 kg
+
54 430 kg



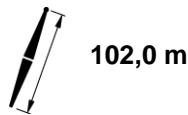
			kg	kg	kg	kg			
15,2	82,5	97,7	126 900 *	126 900 *	126 900 *	126 900 *	15,2		
16,0	82,0	97,6	126 900 *	126 900 *	126 900 *	126 900 *	16,0		
18,0	80,8	97,2	115 700	126 900 *	126 900 *	126 900 *	18,0		
20,0	79,6	96,9	98 900	126 900 *	126 900 *	126 900 *	20,0		
22,0	78,4	96,5	85 600	126 900 *	126 900 *	126 900 *	22,0		
24,0	77,2	96,0	75 000	123 800	126 900 *	126 900 *	24,0		
26,0	75,9	95,5	66 300	112 300	126 900 *	126 900 *	26,0		
28,0	74,7	94,9	59 000	101 200	126 800 *	126 800 *	28,0		
30,0	73,4	94,4	52 900	91 800	126 600 *	126 600 *	30,0		
32,0	72,2	93,7	47 500	83 700	120 000 *	125 800 *	32,0		
34,0	70,9	93,0	43 000	76 800	111 500 *	124 900 *	34,0		
36,0	69,7	92,3	38 900	70 600	104 000 *	124 100 *	36,0		
38,0	68,4	91,5	35 400	65 200	97 200 *	120 400 *	38,0		
40,0	67,1	90,6	32 200	60 400	91 100	113 400 *	40,0		
42,0	65,8	89,7	29 300	56 100	85 400	107 100 *	42,0		
44,0	64,4	88,8	26 800	52 200	80 100	101 300 *	44,0		
46,0	63,1	87,7	24 500	48 600	75 200	96 000 *	46,0		
48,0	61,7	86,7	22 400	45 500	70 800	91 100 *	48,0		
50,0	60,4	85,5	20 400	42 500	66 800	86 700 *	50,0		
52,0	59,0	84,3	18 600	39 800	63 100	82 500 *	52,0		
54,0	57,6	83,1	17 000	37 300	59 600	78 700 *	54,0		
56,0	56,1	81,7	15 500	35 000	56 500	75 100 *	56,0		
58,0	54,7	80,3	14 100	32 900	53 600	71 700 *	58,0		
60,0	53,2	78,8	12 700	30 900	50 900	68 600 *	60,0		
62,0	51,7	77,2	11 500	29 100	48 400	65 600 *	62,0		
64,0	50,1	75,6	10 400	27 400	46 000	62 800 *	64,0		
66,0	48,5	73,8	9 300	25 800	43 800	60 200 *	66,0		
68,0	46,9	71,9	8 300	24 200	41 700	57 700 *	68,0		
70,0	45,2	70,0	7 200 *	22 800	39 700	55 400 *	70,0		
72,0	43,5	67,9	6 100 *	21 500	37 900	53 200 *	72,0		
74,0	41,7	65,6	5 100 *	20 200	36 200	51 100 *	74,0		
76,0	39,8	63,3	4 100 *	19 000	34 500	49 100 *	76,0		
80,0	35,9	58,0		16 600 *	31 500	45 500 *	80,0		
84,0	31,5	51,8		14 300 *	28 700	42 200 *	84,0		
88,0	26,4	44,4		12 100 *	26 200	39 100 *	88,0		
92,0	20,2	34,8		10 100 *	23 900	36 100 *	92,0		











16000 MAX-ER

ANSI B30.5




150 590 kg
 +
54 430 kg

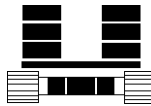
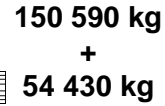


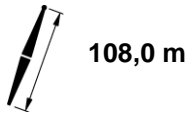
 m	 °	 m	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
15,2	82,9	103,7	107 800 *	107 800 *	107 800 *	15,2
16,0	82,5	103,7	107 800 *	107 800 *	107 800 *	16,0
18,0	81,4	103,3	107 800 *	107 800 *	107 800 *	18,0
20,0	80,2	103,0	107 800 *	107 800 *	107 800 *	20,0
22,0	79,1	102,6	107 700 *	107 700 *	107 700 *	22,0
24,0	77,9	102,2	107 600 *	107 600 *	107 600 *	24,0
26,0	76,8	101,7	107 400	107 500 *	107 500 *	26,0
28,0	75,6	101,2	101 300	107 300 *	107 300 *	28,0
30,0	74,4	100,6	91 400	106 500 *	106 500 *	30,0
32,0	73,3	100,0	83 300	105 800 *	105 800 *	32,0
34,0	72,1	99,4	76 300	105 000 *	105 000 *	34,0
36,0	70,9	98,7	70 200	102 900 *	104 200 *	36,0
38,0	69,7	97,9	64 800	96 800 *	103 500 *	38,0
40,0	68,5	97,1	60 000	90 600	102 700 *	40,0
42,0	67,3	96,3	55 600	85 000	102 000 *	42,0
44,0	66,1	95,4	51 700	79 600	100 500 *	44,0
46,0	64,8	94,5	48 200	74 700	95 500 *	46,0
48,0	63,6	93,5	45 000	70 300	90 600 *	48,0
50,0	62,3	92,4	42 000	66 300	86 100 *	50,0
52,0	61,0	91,3	39 400	62 600	82 000 *	52,0
54,0	59,7	90,2	36 900	59 200	78 100 *	54,0
56,0	58,4	88,9	34 600	56 000	74 600 *	56,0
58,0	57,0	87,6	32 500	53 100	71 200 *	58,0
60,0	55,7	86,2	30 500	50 400	68 100 *	60,0
62,0	54,3	84,8	28 600	47 900	65 100 *	62,0
64,0	52,9	83,3	26 900	45 500	62 300 *	64,0
66,0	51,5	81,7	25 300	43 300	59 700 *	66,0
68,0	50,0	80,0	23 800	41 300	57 200 *	68,0
70,0	48,5	78,3	22 400	39 300	54 900 *	70,0
72,0	47,0	76,4	21 000	37 400	52 700 *	72,0
74,0	45,4	74,4	19 700	35 700	50 600 *	74,0
76,0	43,8	72,4	18 500	34 100	48 700 *	76,0
80,0	40,4	67,8	16 000 *	31 000	45 000 *	80,0
84,0	36,7	62,7	13 700 *	28 300	41 700 *	84,0
88,0	32,7	56,8	11 500 *	25 800	38 700 *	88,0
92,0	28,2	49,8	9 600 *	23 500	35 900 *	92,0
96,0	22,8	41,1	7 700 *	21 100 *	33 400 *	96,0





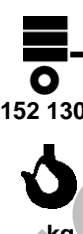


16000 MAX-ER

ANSI B30.5




150 590 kg
 +

54 430 kg



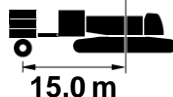
 m	 °	 m	 72 300 kg	 152 130 kg	 231 970 kg	 m
16,8	82,5	109,6	93 000 *	93 000 *	93 000 *	16,8
18,0	81,8	109,4	92 900 *	92 900 *	92 900 *	18,0
20,0	80,8	109,1	92 900 *	92 900 *	92 900 *	20,0
22,0	79,7	108,7	92 800 *	92 800 *	92 800 *	22,0
24,0	78,6	108,3	92 700 *	92 700 *	92 700 *	24,0
26,0	77,5	107,9	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	89 700	91 000 *	91 000 *	30,0
32,0	74,2	106,3	82 600	90 400 *	90 400 *	32,0
34,0	73,1	105,7	75 600	89 700 *	89 700 *	34,0
36,0	72,0	105,0	69 500	89 000 *	89 000 *	36,0
38,0	70,9	104,3	64 000	88 300 *	88 300 *	38,0
40,0	69,8	103,6	59 200	87 500 *	87 600 *	40,0
42,0	68,6	102,8	54 900	84 600	87 000 *	42,0
44,0	67,5	102,0	51 000	78 800	86 300 *	44,0
46,0	66,3	101,1	47 500	74 000	85 600 *	46,0
48,0	65,1	100,2	44 200	69 600	84 900 *	48,0
50,0	64,0	99,2	41 300	65 600	84 300 *	50,0
52,0	62,8	98,2	38 600	61 900	81 200 *	52,0
54,0	61,6	97,1	36 100	58 400	77 300 *	54,0
56,0	60,3	95,9	33 800	55 300	73 700 *	56,0
58,0	59,1	94,7	31 700	52 400	70 400 *	58,0
60,0	57,8	93,5	29 700	49 700	67 300 *	60,0
62,0	56,6	92,2	27 900	47 100	64 300 *	62,0
64,0	55,3	90,8	26 100	44 800	61 500 *	64,0
66,0	54,0	89,3	24 500	42 500	58 900 *	66,0
68,0	52,6	87,8	23 000	40 500	56 400 *	68,0
70,0	51,3	86,2	21 600	38 500	54 100 *	70,0
72,0	49,9	84,5	20 200	36 700	51 900 *	72,0
74,0	48,5	82,7	18 900	35 000	49 800 *	74,0
76,0	47,0	80,9	17 600 *	33 300	47 900 *	76,0
80,0	44,0	76,9	15 000 *	30 300	44 200 *	80,0
84,0	40,8	72,4	12 700 *	27 500	40 900 *	84,0
88,0	37,4	67,4	10 500 *	25 100	37 900 *	88,0
92,0	33,7	61,7	8 600 *	22 500 *	35 100 *	92,0
96,0	29,6	55,0	6 800 *	20 100 *	32 600 *	96,0
100,0	24,9	47,0	5 100 *	17 900 *	30 300 *	100,0
104,0	19,0	36,8		15 800 *	24 600 *	104,0



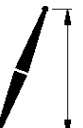




16000 MAX-ER

ANSI B30.5




150 590 kg
 +
54 430 kg



 m	 °	 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	75 500	76 300 *	76 300 *	34,0
36,0	73,0	111,3	69 000	75 700 *	75 700 *	36,0
38,0	71,9	110,7	63 500	75 100 *	75 100 *	38,0
40,0	70,9	110,0	58 700	74 500 *	74 500 *	40,0
42,0	69,8	109,2	54 300	73 900 *	73 900 *	42,0
44,0	68,7	108,5	50 400	73 300 *	73 300 *	44,0
46,0	67,6	107,6	46 900	72 500	72 700 *	46,0
48,0	66,5	106,8	43 700	69 200	72 100 *	48,0
50,0	65,4	105,9	40 800	65 000	71 400 *	50,0
52,0	64,3	104,9	38 000	61 300	70 800 *	52,0
54,0	63,2	103,9	35 600	57 900	70 200 *	54,0
56,0	62,0	102,8	33 300	54 700	69 600 *	56,0
58,0	60,9	101,7	31 200	51 800	69 000 *	58,0
60,0	59,7	100,5	29 200	49 100	66 800 *	60,0
62,0	58,6	99,3	27 300	46 600	63 700 *	62,0
64,0	57,4	98,0	25 600	44 200	60 900 *	64,0
66,0	56,1	96,7	24 000	42 000	58 300 *	66,0
68,0	54,9	95,3	22 500	39 900	55 800 *	68,0
70,0	53,7	93,8	21 100	38 000	53 500 *	70,0
72,0	52,4	92,3	19 700	36 100	51 300 *	72,0
74,0	51,1	90,7	18 300 *	34 400	49 300 *	74,0
76,0	49,8	89,0	16 900 *	32 800	47 300 *	76,0
80,0	47,1	85,4	14 300 *	29 800	43 700 *	80,0
84,0	44,3	81,4	12 000 *	27 000	40 400 *	84,0
88,0	41,3	77,0	9 900 *	24 500	37 300 *	88,0
92,0	38,1	72,0	7 900 *	21 900 *	34 600 *	92,0
96,0	34,6	66,5	6 100 *	19 500 *	32 100 *	96,0
100,0	30,8	60,1	4 500 *	17 300 *	29 800 *	100,0
104,0	26,6	52,6		15 200 *	27 000 *	104,0
108,0	21,5	43,4		13 300 *	16 800 *	108,0

16000 MAX-ER

ANSI B30.5



150 590 kg
+
54 430 kg



			kg	kg	kg			
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	65 000 *	65 000 *	65 000 *	36,0		
38,0	72,9	117,0	62 500	63 500 *	63 500 *	38,0		
40,0	71,9	116,3	57 700	62 300 *	62 300 *	40,0		
42,0	70,8	115,6	53 400	61 100 *	61 100 *	42,0		
44,0	69,8	114,9	49 500	59 900 *	59 900 *	44,0		
46,0	68,8	114,1	46 000	58 800 *	58 800 *	46,0		
48,0	67,8	113,3	42 700	57 600 *	57 600 *	48,0		
50,0	66,7	112,4	39 800	56 400 *	56 400 *	50,0		
52,0	65,7	111,5	37 100	55 200 *	55 200 *	52,0		
54,0	64,6	110,6	34 600	54 000 *	54 000 *	54,0		
56,0	63,6	109,6	32 300	52 800 *	52 800 *	56,0		
58,0	62,5	108,6	30 200	50 900	51 600 *	58,0		
60,0	61,4	107,5	28 200	48 100	50 400 *	60,0		
62,0	60,3	106,3	26 400	45 600	49 200 *	62,0		
64,0	59,2	105,1	24 600	43 300	48 000 *	64,0		
66,0	58,1	103,9	23 000	41 000	46 800 *	66,0		
68,0	56,9	102,6	21 500	39 000	45 700 *	68,0		
70,0	55,8	101,2	20 000	37 000	44 500 *	70,0		
72,0	54,6	99,8	18 400 *	35 200	43 300 *	72,0		
74,0	53,4	98,3	17 000 *	33 500	42 100 *	74,0		
76,0	52,2	96,8	15 600 *	31 800	40 900 *	76,0		
80,0	49,7	93,5	13 000 *	28 800	38 500 *	80,0		
84,0	47,1	89,8	10 700 *	26 000	36 600 *	84,0		
88,0	44,5	85,9	8 600 *	23 200 *	35 400 *	88,0		
92,0	41,6	81,5	6 600 *	20 600 *	33 600 *	92,0		
96,0	38,6	76,7	4 900 *	18 200 *	31 100 *	96,0		
100,0	35,4	71,3		16 000 *	28 800 *	100,0		
104,0	31,9	65,1		14 000 *	26 300 *	104,0		
108,0	28,0	58,0		12 100 *	23 900 *	108,0		
112,0	23,5	49,5		10 300 *	21 600 *	112,0		
116,0	18,0	38,7		8 600 *	17 800 *	116,0		