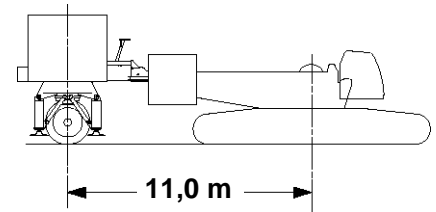




Liftcrane Boom Capacities

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 11,0 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 (*).

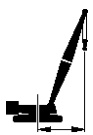
Wheeled counterweight must be attached to machine and MAX-ER mode must be selected to operate. Swing and travel (forward or side crawl) requires proper position of counterweight wheels when contacting ground. Refer to Operator's Manual for wheel positioning. Exit MAX-ER mode before operating without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

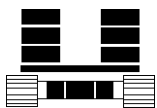
Maximum Boom Length Lifted Unassisted	
Over End of Blocked Crawlers	Over Side or End of Unblocked Crawlers
With 0 kg Wheeled Counterweight	
96,0 m	90,0 m
With 72 300 kg Wheeled Counterweight	
114,0 m	(a) 114,0 m
Over Side or End of Unblocked Crawlers	
With 152 130 kg Wheeled Counterweight	With 231 970 kg Wheeled Counterweight
120,0 m	120,0 m
Load block, hook and weight ball on ground at start. (a) When equipped with boom catwalks and 72 300 kg wheeled counterweight, 114,0 m boom cannot be raised over side or end of unblocked crawlers.	

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

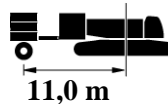
 Lifting Capacities
(see page 1)













16000 MAX-ER

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150 590 kg
+
54 430 kg



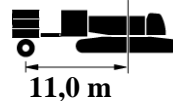
 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
7,9	82,8	44,2	335 000 *	379 800 *	379 800 *	379 800 *	7,9
8,0	82,7	44,2	332 100 *	379 100 *	379 800 *	379 800 *	8,0
9,0	81,3	44,0	295 900 *	357 100 *	379 800 *	379 800 *	9,0
10,0	80,0	43,8	266 400 *	320 300 *	373 900 *	379 800 *	10,0
11,0	78,6	43,6	239 800 *	291 500 *	344 500 *	379 700 *	11,0
12,0	77,2	43,4	215 400	267 200 *	316 000 *	366 500 *	12,0
14,0	74,3	42,8	170 500	228 500 *	270 600 *	312 500 *	14,0
16,0	71,4	42,1	140 000	198 600 *	236 200 *	273 000 *	16,0
18,0	68,5	41,3	118 200	173 700 *	209 200 *	242 100 *	18,0
20,0	65,5	40,4	101 700	152 100	187 400 *	217 100 *	20,0
22,0	62,4	39,4	88 800	133 500	169 400 *	196 500 *	22,0
24,0	59,3	38,2	78 400	118 700	154 300 *	179 200 *	24,0
26,0	56,0	36,8	69 900	106 600	141 200 *	164 600 *	26,0
28,0	52,5	35,3	62 700	96 400	129 700 *	151 900 *	28,0
30,0	48,9	33,6	56 700	87 800	119 700 *	140 900 *	30,0
32,0	45,1	31,6	51 500	80 400	111 000 *	131 200 *	32,0
34,0	41,0	29,3	47 000	74 000	103 200	122 700 *	34,0
36,0	36,5	26,7	43 000	68 300	95 600	115 100 *	36,0
38,0	31,4	23,5	39 400	63 300	89 000	108 200 *	38,0
40,0	25,3	19,6	36 300	58 800	83 200	99 600 *	40,0

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150 590 kg
+
54 430 kg



m	°	m	kg	kg	kg	kg	m
8,5	83,0	50,2	0 kg	72 300 kg	152 130 kg	231 970 kg	8,5
9,0	82,4	50,1	311 200 *	340 000 *	340 000 *	340 000 *	9,0
10,0	81,2	49,9	295 600 *	340 000 *	340 000 *	340 000 *	10,0
11,0	80,0	49,7	266 000 *	320 900 *	340 000 *	340 000 *	11,0
12,0	78,8	49,5	239 500 *	291 000 *	339 400 *	340 000 *	12,0
			215 700	266 700 *	316 000 *	340 000 *	
14,0	76,3	49,0	170 700	228 000 *	270 100 *	313 400 *	14,0
16,0	73,8	48,5	140 100	198 100 *	235 700 *	272 500 *	16,0
18,0	71,3	47,8	118 100	173 300 *	208 700 *	241 600 *	18,0
20,0	68,8	47,0	101 600	152 000	186 900 *	216 600 *	20,0
22,0	66,2	46,1	88 600	133 400	168 900 *	196 000 *	22,0
24,0	63,5	45,1	78 200	118 600	153 800 *	178 700 *	24,0
26,0	60,7	44,0	69 700	106 400	140 800 *	164 100 *	26,0
28,0	57,9	42,7	62 500	96 200	129 200 *	151 400 *	28,0
30,0	55,0	41,3	56 400	87 500	119 200 *	140 400 *	30,0
32,0	52,0	39,8	51 200	80 200	110 600 *	130 700 *	32,0
34,0	48,8	38,0	46 700	73 700	102 800	122 200 *	34,0
36,0	45,5	36,1	42 700	68 100	95 400	114 600 *	36,0
38,0	42,0	33,9	39 200	63 000	88 800	107 700 *	38,0
40,0	38,1	31,4	36 000	58 600	82 900	101 600 *	40,0
42,0	33,9	28,5	33 200	54 600	77 600	96 000 *	42,0
44,0	29,2	25,1	30 700	51 000	72 800	90 800 *	44,0
46,0	23,5	20,8	28 300	47 700	68 500	84 000 *	46,0

16000 MAX-ER

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150 590 kg
+
54 430 kg



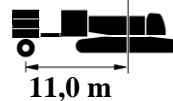
m	°	m	kg	kg	kg	kg	m
9,8	82,5	56,0	272 200 *	312 300 *	312 300 *	312 300 *	9,8
10,0	82,2	56,0	265 600 *	310 600 *	312 200 *	312 200 *	10,0
11,0	81,1	55,8	239 000 *	290 300 *	311 600 *	311 600 *	11,0
12,0	80,1	55,7	215 500	266 000 *	310 600 *	311 400 *	12,0
14,0	77,9	55,2	170 600	227 400 *	269 500 *	308 300 *	14,0
16,0	75,7	54,7	140 000	197 500 *	235 100 *	272 700 *	16,0
18,0	73,5	54,1	118 000	172 800 *	208 000 *	240 900 *	18,0
20,0	71,2	53,4	101 300	151 700	186 300 *	216 000 *	20,0
22,0	69,0	52,7	88 300	133 100	168 300 *	195 400 *	22,0
24,0	66,7	51,8	77 900	118 300	153 200 *	178 100 *	24,0
26,0	64,3	50,8	69 400	106 100	140 200 *	163 400 *	26,0
28,0	61,9	49,7	62 200	95 900	128 700 *	150 800 *	28,0
30,0	59,4	48,6	56 100	87 200	118 700 *	139 800 *	30,0
32,0	56,9	47,3	50 900	79 800	110 100 *	130 100 *	32,0
34,0	54,3	45,8	46 300	73 300	102 300	121 600 *	34,0
36,0	51,6	44,2	42 300	67 700	95 000	114 000 *	36,0
38,0	48,8	42,5	38 800	62 600	88 400	107 200 *	38,0
40,0	45,8	40,6	35 700	58 200	82 500	101 000 *	40,0
42,0	42,7	38,4	32 800	54 200	77 200	95 400 *	42,0
44,0	39,4	36,0	30 300	50 600	72 500	90 300 *	44,0
46,0	35,8	33,3	28 000	47 300	68 200	85 600 *	46,0
48,0	31,9	30,2	25 800	44 300	64 200	81 300 *	48,0
50,0	27,4	26,5	23 900	41 600	60 600	77 200 *	50,0
52,0	22,1	21,9	22 100	39 000	57 300	71 400 *	52,0

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150 590 kg
+
54 430 kg



m	°	m	kg	kg	kg	kg	kg	m	kg
10,4	82,6	62,0	255 200 *	282 800 *	282 800 *	282 800 *	282 800 *	10,4	
11,0	82,0	61,9	238 500 *	282 400 *	282 600 *	282 600 *	282 600 *	11,0	
12,0	81,1	61,8	215 300	266 100 *	282 400 *	282 400 *	282 400 *	12,0	
14,0	79,1	61,4	170 500	226 600 *	270 800 *	277 800 *	277 800 *	14,0	
16,0	77,2	60,9	139 700	196 800 *	234 300 *	268 100 *	268 100 *	16,0	
18,0	75,2	60,4	117 600	172 200 *	207 300 *	241 000 *	241 000 *	18,0	
20,0	73,2	59,8	101 000	151 400	185 500 *	215 200 *	215 200 *	20,0	
22,0	71,2	59,1	87 900	132 700	167 600 *	194 700 *	194 700 *	22,0	
24,0	69,1	58,3	77 500	117 800	152 500 *	177 400 *	177 400 *	24,0	
26,0	67,0	57,5	68 900	105 600	139 600 *	162 800 *	162 800 *	26,0	
28,0	64,9	56,5	61 700	95 400	128 100 *	150 100 *	150 100 *	28,0	
30,0	62,8	55,5	55 600	86 700	118 100 *	139 100 *	139 100 *	30,0	
32,0	60,6	54,4	50 400	79 300	109 400 *	129 500 *	129 500 *	32,0	
34,0	58,4	53,1	45 800	72 800	101 700	120 900 *	120 900 *	34,0	
36,0	56,1	51,8	41 800	67 200	94 600	113 300 *	113 300 *	36,0	
38,0	53,7	50,3	38 300	62 100	87 900	106 500 *	106 500 *	38,0	
40,0	51,2	48,7	35 100	57 700	82 000	100 300 *	100 300 *	40,0	
42,0	48,7	47,0	32 300	53 700	76 700	94 700 *	94 700 *	42,0	
44,0	46,1	45,1	29 800	50 100	72 000	89 600 *	89 600 *	44,0	
46,0	43,3	43,0	27 400	46 800	67 700	85 000 *	85 000 *	46,0	
48,0	40,4	40,6	25 300	43 800	63 700	80 700 *	80 700 *	48,0	
50,0	37,2	38,0	23 400	41 100	60 100	76 600 *	76 600 *	50,0	
52,0	33,9	35,1	21 700	38 600	56 900	72 900 *	72 900 *	52,0	
54,0	30,1	31,8	20 000	36 300	53 800	69 400 *	69 400 *	54,0	
56,0	25,9	27,8	18 500	34 100	51 000	66 000 *	66 000 *	56,0	
58,0	20,9	23,0	17 000	32 100	48 300	61 100 *	61 100 *	58,0	




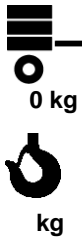




16000 MAX-ER

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150 590 kg
+
54 430 kg



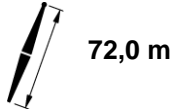
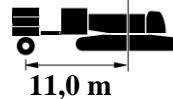
 m	 °	 m	 0 kg	 72 300 kg	 152 130 kg	 231 970 kg	 m
11,0	82,8	68,0	238 900 *	251 100 *	251 100 *	251 100 *	11,0
12,0	81,9	67,8	215 400	251 100 *	251 100 *	251 100 *	12,0
14,0	80,1	67,5	170 600	227 100 *	250 300 *	250 400 *	14,0
16,0	78,3	67,1	139 800	196 600 *	236 900 *	245 800 *	16,0
18,0	76,6	66,6	117 700	172 000 *	207 000 *	238 000 *	18,0
20,0	74,8	66,0	101 000	151 400	185 300 *	215 000 *	20,0
22,0	72,9	65,4	87 900	132 700	167 300 *	194 400 *	22,0
24,0	71,1	64,7	77 400	117 800	152 200 *	177 200 *	24,0
26,0	69,3	64,0	68 900	105 600	139 400 *	162 500 *	26,0
28,0	67,4	63,1	61 700	95 400	127 800 *	149 900 *	28,0
30,0	65,5	62,2	55 500	86 700	117 900 *	138 900 *	30,0
32,0	63,5	61,2	50 300	79 300	109 200 *	129 200 *	32,0
34,0	61,5	60,1	45 700	72 800	101 500	120 700 *	34,0
36,0	59,5	59,0	41 700	67 100	94 500	113 100 *	36,0
38,0	57,5	57,7	38 200	62 100	87 800	106 300 *	38,0
40,0	55,4	56,3	35 100	57 600	81 900	100 100 *	40,0
42,0	53,2	54,8	32 200	53 600	76 700	94 500 *	42,0
44,0	51,0	53,2	29 700	50 000	71 900	89 500 *	44,0
46,0	48,7	51,5	27 400	46 700	67 600	84 800 *	46,0
48,0	46,3	49,5	25 300	43 800	63 600	80 500 *	48,0
50,0	43,8	47,5	23 400	41 000	60 100	76 500 *	50,0
52,0	41,1	45,2	21 600	38 500	56 800	72 700 *	52,0
54,0	38,4	42,7	19 900	36 200	53 700	69 300 *	54,0
56,0	35,4	40,0	18 400	34 000	50 900	66 000 *	56,0
58,0	32,2	36,8	17 000	32 100	48 300	63 100 *	58,0
60,0	28,7	33,3	15 700	30 200	45 900	60 200 *	60,0
62,0	24,6	29,1	14 400	28 400	43 600	57 300 *	62,0
64,0	19,9	24,0	13 200	26 800	41 400	53 000 *	64,0

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150 590 kg
+
54 430 kg



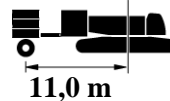
			kg	kg	kg	kg			
11,6	82,9	74,0	224 000 *	227 800 *	227 800 *	227 800 *	11,6		
12,0	82,6	73,9	215 100	227 800 *	227 800 *	227 800 *	12,0		
14,0	81,0	73,6	170 300	223 400 *	225 200 *	225 200 *	14,0		
16,0	79,3	73,2	139 400	196 400 *	221 500 *	221 500 *	16,0		
18,0	77,7	72,8	117 200	171 300 *	207 200 *	217 800 *	18,0		
20,0	76,1	72,3	100 500	150 900	184 500 *	213 300 *	20,0		
22,0	74,4	71,7	87 400	132 200	166 500 *	193 800 *	22,0		
24,0	72,7	71,1	76 900	117 300	151 400 *	176 300 *	24,0		
26,0	71,1	70,4	68 300	105 000	138 600 *	161 700 *	26,0		
28,0	69,4	69,6	61 100	94 800	127 100 *	149 000 *	28,0		
30,0	67,6	68,8	55 000	86 100	117 200 *	138 100 *	30,0		
32,0	65,9	67,9	49 700	78 600	108 500 *	128 500 *	32,0		
34,0	64,1	66,9	45 100	72 200	100 800 *	119 900 *	34,0		
36,0	62,3	65,9	41 100	66 500	93 800	112 300 *	36,0		
38,0	60,5	64,8	37 600	61 500	87 200	105 500 *	38,0		
40,0	58,6	63,5	34 400	57 000	81 300	99 400 *	40,0		
42,0	56,7	62,2	31 600	53 000	76 000	93 800 *	42,0		
44,0	54,8	60,8	29 100	49 400	71 300	88 700 *	44,0		
46,0	52,8	59,3	26 800	46 100	67 000	84 100 *	46,0		
48,0	50,7	57,7	24 700	43 100	63 000	79 700 *	48,0		
50,0	48,6	55,9	22 700	40 400	59 400	75 800 *	50,0		
52,0	46,4	54,0	20 900	37 900	56 100	72 000 *	52,0		
54,0	44,2	52,0	19 300	35 600	53 100	68 600 *	54,0		
56,0	41,8	49,8	17 800	33 400	50 300	65 400 *	56,0		
58,0	39,3	47,3	16 400	31 400	47 700	62 400 *	58,0		
60,0	36,6	44,7	15 100	29 600	45 300	59 600 *	60,0		
62,0	33,8	41,8	13 800	27 900	43 000	56 900 *	62,0		
64,0	30,7	38,5	12 700	26 200	40 900	54 500 *	64,0		
66,0	27,4	34,7	11 600	24 700	38 900	52 200 *	66,0		
68,0	23,5	30,4	10 600	23 300	37 000	49 400 *	68,0		
70,0	19,0	25,0	9 600	21 900	35 200	45 500 *	70,0		













16000 MAX-ER

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150 590 kg
+
54 430 kg



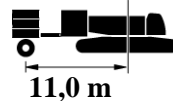
 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
12,2	83,0	79,9	205 100 *	205 100 *	205 100 *	205 100 *	12,2
14,0	81,7	79,7	170 700	203 500 *	203 500 *	203 500 *	14,0
16,0	80,2	79,3	139 200	195 600 *	201 100 *	201 100 *	16,0
18,0	78,7	78,9	117 000	171 100 *	198 900 *	198 900 *	18,0
20,0	77,2	78,5	100 200	150 700	184 100 *	196 600 *	20,0
22,0	75,6	77,9	87 100	131 900	165 900 *	191 800 *	22,0
24,0	74,1	77,4	76 500	116 900	150 900 *	176 200 *	24,0
26,0	72,6	76,7	67 900	104 600	138 100 *	161 100 *	26,0
28,0	71,0	76,1	60 700	94 400	126 600 *	148 500 *	28,0
30,0	69,5	75,3	54 500	85 700	116 600 *	137 500 *	30,0
32,0	67,9	74,5	49 300	78 200	107 900 *	127 900 *	32,0
34,0	66,3	73,6	44 700	71 700	100 300 *	119 400 *	34,0
36,0	64,6	72,7	40 700	66 000	93 300	111 800 *	36,0
38,0	63,0	71,6	37 200	61 000	86 800	104 900 *	38,0
40,0	61,3	70,5	34 000	56 500	80 900	98 800 *	40,0
42,0	59,6	69,4	31 200	52 500	75 600	93 200 *	42,0
44,0	57,9	68,1	28 600	48 900	70 800	88 100 *	44,0
46,0	56,1	66,8	26 300	45 600	66 500	83 500 *	46,0
48,0	54,3	65,3	24 200	42 700	62 600	79 200 *	48,0
50,0	52,4	63,8	22 300	39 900	59 000	75 200 *	50,0
52,0	50,5	62,2	20 500	37 400	55 700	71 500 *	52,0
54,0	48,6	60,4	18 800	35 100	52 600	68 100 *	54,0
56,0	46,6	58,5	17 300	33 000	49 900	64 900 *	56,0
58,0	44,5	56,5	15 900	31 000	47 200	61 900 *	58,0
60,0	42,3	54,3	14 600	29 200	44 800	59 100 *	60,0
62,0	40,0	52,0	13 400	27 400	42 600	56 500 *	62,0
64,0	37,6	49,4	12 200	25 800	40 500	54 000 *	64,0
66,0	35,1	46,6	11 200	24 300	38 500	51 700 *	66,0
68,0	32,4	43,5	10 200	22 900	36 600	49 600 *	68,0
70,0	29,5	40,0	9 200	21 600	34 800	47 500 *	70,0
72,0	26,2	36,1	8 300	20 300	33 200	45 400 *	72,0
74,0	22,6	31,5	7 400	19 100	31 600	42 300 *	74,0
76,0	18,2	25,9	6 500 *	17 900	30 100	39 000 *	76,0

16000 MAX-ER

ANSI B30.5



150 590 kg
+
54 430 kg



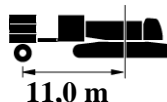
m	°	m	kg	kg	kg	kg	m
13,7	82,5	85,8	175 400	177 000 *	177 000 *	177 000 *	13,7
14,0	82,3	85,7	170 600	177 000 *	177 000 *	177 000 *	14,0
16,0	80,9	85,4	138 800	177 000 *	177 000 *	177 000 *	16,0
18,0	79,5	85,1	116 500	168 900 *	177 000 *	177 000 *	18,0
20,0	78,1	84,6	99 700	150 200	176 200 *	176 800 *	20,0
22,0	76,7	84,2	86 500	131 300	166 000 *	174 000 *	22,0
24,0	75,3	83,6	75 900	116 300	150 000 *	170 400 *	24,0
26,0	73,9	83,0	67 300	104 000	137 200 *	160 300 *	26,0
28,0	72,4	82,4	60 100	93 800	125 800 *	147 600 *	28,0
30,0	71,0	81,7	53 900	85 000	115 800 *	136 700 *	30,0
32,0	69,5	81,0	48 600	77 600	107 200 *	127 000 *	32,0
34,0	68,1	80,2	44 100	71 100	99 500 *	118 500 *	34,0
36,0	66,6	79,3	40 000	65 400	92 600	110 900 *	36,0
38,0	65,1	78,3	36 500	60 300	86 100	104 100 *	38,0
40,0	63,5	77,3	33 300	55 800	80 200	98 000 *	40,0
42,0	62,0	76,3	30 500	51 800	74 900	92 400 *	42,0
44,0	60,4	75,2	27 900	48 200	70 100	87 300 *	44,0
46,0	58,8	73,9	25 600	45 000	65 800	82 600 *	46,0
48,0	57,2	72,7	23 500	41 900	61 900	78 400 *	48,0
50,0	55,6	71,3	21 600	39 200	58 300	74 400 *	50,0
52,0	53,9	69,8	19 800	36 700	55 000	70 700 *	52,0
54,0	52,1	68,3	18 200	34 400	52 000	67 300 *	54,0
56,0	50,4	66,6	16 700	32 300	49 100	64 100 *	56,0
58,0	48,6	64,9	15 200	30 300	46 600	61 100 *	58,0
60,0	46,7	63,0	13 900	28 500	44 100	58 300 *	60,0
62,0	44,8	61,0	12 700	26 700	41 800	55 700 *	62,0
64,0	42,8	58,8	11 600	25 100	39 700	53 300 *	64,0
66,0	40,7	56,5	10 500	23 600	37 800	51 000 *	66,0
68,0	38,5	54,0	9 500	22 200	35 900	48 800 *	68,0
70,0	36,2	51,3	8 500	20 800	34 100	46 700 *	70,0
72,0	33,8	48,4	7 600	19 600	32 500	44 800 *	72,0
74,0	31,2	45,2	6 600 *	18 400	31 000	43 000 *	74,0
76,0	28,4	41,5	5 600 *	17 300	29 400	41 300 *	76,0
80,0	21,7	32,7	3 700 *	15 100	26 700	36 000 *	80,0

16000 MAX-ER

ANSI B30.5



150 590 kg
+
54 430 kg



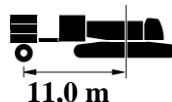
m	°	m	kg	kg	kg	kg	m
13,7	83,0	91,8	148 400 *	148 400 *	148 400 *	148 400 *	13,7
14,0	82,8	91,8	148 400 *	148 400 *	148 400 *	148 400 *	14,0
16,0	81,5	91,5	138 900	148 400 *	148 400 *	148 400 *	16,0
18,0	80,2	91,2	116 300	148 400 *	148 400 *	148 400 *	18,0
20,0	78,9	90,8	99 400	146 900	148 400 *	148 400 *	20,0
22,0	77,6	90,3	86 200	131 400	147 800 *	147 800 *	22,0
24,0	76,3	89,8	75 700	116 000	145 300 *	145 300 *	24,0
26,0	75,0	89,3	67 000	103 700	136 800 *	142 400 *	26,0
28,0	73,6	88,7	59 700	93 400	125 400 *	139 700 *	28,0
30,0	72,3	88,1	53 600	84 700	115 400 *	135 500 *	30,0
32,0	71,0	87,4	48 300	77 200	106 700 *	126 600 *	32,0
34,0	69,6	86,6	43 700	70 700	99 100 *	118 000 *	34,0
36,0	68,2	85,8	39 700	65 000	92 200	110 400 *	36,0
38,0	66,8	85,0	36 100	60 000	85 700	103 600 *	38,0
40,0	65,4	84,0	32 900	55 500	79 800	97 500 *	40,0
42,0	64,0	83,1	30 100	51 500	74 500	91 900 *	42,0
44,0	62,6	82,0	27 600	47 900	69 800	86 800 *	44,0
46,0	61,1	80,9	25 300	44 600	65 500	82 200 *	46,0
48,0	59,7	79,7	23 100	41 600	61 500	77 900 *	48,0
50,0	58,2	78,5	21 200	38 900	57 900	74 000 *	50,0
52,0	56,6	77,2	19 400	36 400	54 600	70 300 *	52,0
54,0	55,1	75,8	17 800	34 000	51 600	66 800 *	54,0
56,0	53,5	74,3	16 300	31 900	48 800	63 600 *	56,0
58,0	51,9	72,8	14 900	29 900	46 200	60 700 *	58,0
60,0	50,2	71,1	13 600	28 100	43 800	57 900 *	60,0
62,0	48,5	69,3	12 300	26 400	41 500	55 300 *	62,0
64,0	46,8	67,5	11 200	24 800	39 400	52 800 *	64,0
66,0	45,0	65,5	10 100	23 300	37 400	50 500 *	66,0
68,0	43,1	63,3	9 100	21 800	35 600	48 400 *	68,0
70,0	41,2	61,1	8 200	20 500	33 800	46 400 *	70,0
72,0	39,2	58,7	7 200 *	19 300	32 200	44 500 *	72,0
74,0	37,1	56,0	6 200 *	18 100	30 600	42 600 *	74,0
76,0	34,9	53,2	5 200 *	16 900	29 200	40 900 *	76,0
80,0	30,1	46,7		14 800 *	26 400	37 700 *	80,0
84,0	24,4	38,7		12 500 *	23 900	33 500 *	84,0
88,0	16,9	27,6		10 400 *	21 600	28 500 *	88,0

16000 MAX-ER

ANSI B30.5



150 590 kg
+
54 430 kg



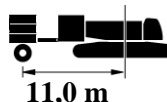
m	°	m	kg	kg	kg	kg	m	
15,2	82,5	97,7	126 900 *	126 900 *	126 900 *	126 900 *	15,2	
16,0	82,0	97,6	126 900 *	126 900 *	126 900 *	126 900 *	16,0	
18,0	80,8	97,2	115 700	126 900 *	126 900 *	126 900 *	18,0	
20,0	79,6	96,9	98 900	126 900 *	126 900 *	126 900 *	20,0	
22,0	78,4	96,5	85 600	125 400	126 900 *	126 900 *	22,0	
24,0	77,2	96,0	75 000	116 300	126 900 *	126 900 *	24,0	
26,0	75,9	95,5	66 300	103 000	126 900 *	126 900 *	26,0	
28,0	74,7	94,9	59 000	92 700	124 100 *	126 800 *	28,0	
30,0	73,4	94,4	52 900	84 000	114 600 *	126 600 *	30,0	
32,0	72,2	93,7	47 500	76 500	105 800 *	125 600 *	32,0	
34,0	70,9	93,0	43 000	70 000	98 100 *	117 100 *	34,0	
36,0	69,7	92,3	38 900	64 300	91 300 *	109 500 *	36,0	
38,0	68,4	91,5	35 400	59 200	85 000	102 700 *	38,0	
40,0	67,1	90,6	32 200	54 700	79 000	96 600 *	40,0	
42,0	65,8	89,7	29 300	50 700	73 700	91 000 *	42,0	
44,0	64,4	88,8	26 800	47 100	69 000	85 900 *	44,0	
46,0	63,1	87,7	24 500	43 800	64 600	81 300 *	46,0	
48,0	61,7	86,7	22 400	40 800	60 700	77 000 *	48,0	
50,0	60,4	85,5	20 400	38 100	57 100	73 100 *	50,0	
52,0	59,0	84,3	18 600	35 600	53 800	69 400 *	52,0	
54,0	57,6	83,1	17 000	33 300	50 800	66 000 *	54,0	
56,0	56,1	81,7	15 500	31 100	48 000	62 800 *	56,0	
58,0	54,7	80,3	14 100	29 100	45 400	59 800 *	58,0	
60,0	53,2	78,8	12 700	27 300	43 000	57 000 *	60,0	
62,0	51,7	77,2	11 500	25 600	40 700	54 400 *	62,0	
64,0	50,1	75,6	10 400	24 000	38 600	52 000 *	64,0	
66,0	48,5	73,8	9 300	22 500	36 600	49 700 *	66,0	
68,0	46,9	71,9	8 300	21 100	34 800	47 500 *	68,0	
70,0	45,2	70,0	7 200 *	19 700	33 000	45 500 *	70,0	
72,0	43,5	67,9	6 100 *	18 500	31 400	43 600 *	72,0	
74,0	41,7	65,6	5 100 *	17 300	29 800	41 800 *	74,0	
76,0	39,8	63,3	4 100 *	16 100	28 400	40 000 *	76,0	
80,0	35,9	58,0		13 700 *	25 600	36 800 *	80,0	
84,0	31,5	51,8		11 500 *	23 200	33 900 *	84,0	
88,0	26,4	44,4		9 400 *	20 600 *	30 100 *	88,0	
92,0	20,2	34,8		7 500 *	18 300 *	25 800 *	92,0	



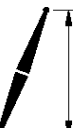




16000 MAX-ER

ANSI B30.5



150 590 kg
+
54 430 kg



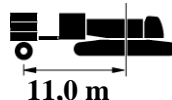
 m	 °	 m	 72 300 kg kg	 152 130 kg kg	 231 970 kg kg	 m
15,2	82,9	103,7	107 800 *	107 800 *	107 800 *	15,2
16,0	82,5	103,7	107 800 *	107 800 *	107 800 *	16,0
18,0	81,4	103,3	107 800 *	107 800 *	107 800 *	18,0
20,0	80,2	103,0	107 800 *	107 800 *	107 800 *	20,0
22,0	79,1	102,6	107 700 *	107 700 *	107 700 *	22,0
24,0	77,9	102,2	107 600 *	107 600 *	107 600 *	24,0
26,0	76,8	101,7	102 800	107 500 *	107 500 *	26,0
28,0	75,6	101,2	92 300	107 300 *	107 300 *	28,0
30,0	74,4	100,6	83 500	106 500 *	106 500 *	30,0
32,0	73,3	100,0	76 000	105 300 *	105 800 *	32,0
34,0	72,1	99,4	69 500	97 700 *	105 000 *	34,0
36,0	70,9	98,7	63 800	90 900 *	104 200 *	36,0
38,0	69,7	97,9	58 700	84 500	102 000 *	38,0
40,0	68,5	97,1	54 300	78 600	96 000 *	40,0
42,0	67,3	96,3	50 300	73 300	90 500 *	42,0
44,0	66,1	95,4	46 600	68 500	85 400 *	44,0
46,0	64,8	94,5	43 300	64 200	80 700 *	46,0
48,0	63,6	93,5	40 400	60 200	76 500 *	48,0
50,0	62,3	92,4	37 600	56 600	72 600 *	50,0
52,0	61,0	91,3	35 100	53 400	68 900 *	52,0
54,0	59,7	90,2	32 800	50 300	65 500 *	54,0
56,0	58,4	88,9	30 600	47 500	62 300 *	56,0
58,0	57,0	87,6	28 700	44 900	59 300 *	58,0
60,0	55,7	86,2	26 800	42 500	56 500 *	60,0
62,0	54,3	84,8	25 100	40 300	53 900 *	62,0
64,0	52,9	83,3	23 500	38 200	51 500 *	64,0
66,0	51,5	81,7	22 000	36 100	49 200 *	66,0
68,0	50,0	80,0	20 600	34 300	47 000 *	68,0
70,0	48,5	78,3	19 200	32 600	45 000 *	70,0
72,0	47,0	76,4	18 000	30 900	43 100 *	72,0
74,0	45,4	74,4	16 800	29 400	41 300 *	74,0
76,0	43,8	72,4	15 500 *	27 900	39 500 *	76,0
80,0	40,4	67,8	13 100 *	25 200	36 300 *	80,0
84,0	36,7	62,7	10 900 *	22 700 *	33 500 *	84,0
88,0	32,7	56,8	8 900 *	20 100 *	30 800 *	88,0
92,0	28,2	49,8	7 000 *	17 800 *	27 500 *	92,0
96,0	22,8	41,1	5 300 *	15 600 *	23 600 *	96,0











16000 MAX-ER

ANSI B30.5




150 590 kg
 +
54 430 kg



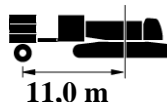
 m	 °	 m	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
16,8	82,5	109,6	93 000 *	93 000 *	93 000 *	16,8
18,0	81,8	109,4	92 900 *	92 900 *	92 900 *	18,0
20,0	80,8	109,1	92 900 *	92 900 *	92 900 *	20,0
22,0	79,7	108,7	92 800 *	92 800 *	92 800 *	22,0
24,0	78,6	108,3	92 700 *	92 700 *	92 700 *	24,0
26,0	77,5	107,9	92 400 *	92 400 *	92 400 *	26,0
28,0	76,4	107,4	90 700	91 700 *	91 700 *	28,0
30,0	75,3	106,9	83 100	91 000 *	91 000 *	30,0
32,0	74,2	106,3	75 400	90 400 *	90 400 *	32,0
34,0	73,1	105,7	68 800	89 700 *	89 700 *	34,0
36,0	72,0	105,0	63 100	88 700 *	89 000 *	36,0
38,0	70,9	104,3	58 000	83 900	88 300 *	38,0
40,0	69,8	103,6	53 500	77 900	87 600 *	40,0
42,0	68,6	102,8	49 500	72 600	87 000 *	42,0
44,0	67,5	102,0	45 900	67 800	84 500 *	44,0
46,0	66,3	101,1	42 600	63 500	79 900 *	46,0
48,0	65,1	100,2	39 600	59 500	75 600 *	48,0
50,0	64,0	99,2	36 800	55 900	71 700 *	50,0
52,0	62,8	98,2	34 300	52 600	68 100 *	52,0
54,0	61,6	97,1	32 000	49 500	64 600 *	54,0
56,0	60,3	95,9	29 900	46 700	61 400 *	56,0
58,0	59,1	94,7	27 900	44 200	58 500 *	58,0
60,0	57,8	93,5	26 100	41 700	55 700 *	60,0
62,0	56,6	92,2	24 300	39 500	53 100 *	62,0
64,0	55,3	90,8	22 700	37 400	50 700 *	64,0
66,0	54,0	89,3	21 200	35 400	48 400 *	66,0
68,0	52,6	87,8	19 800	33 500	46 200 *	68,0
70,0	51,3	86,2	18 500	31 800	44 200 *	70,0
72,0	49,9	84,5	17 200 *	30 200	42 300 *	72,0
74,0	48,5	82,7	15 800 *	28 600	40 500 *	74,0
76,0	47,0	80,9	14 500 *	27 100	38 700 *	76,0
80,0	44,0	76,9	12 100 *	24 500	35 600 *	80,0
84,0	40,8	72,4	9 900 *	21 700 *	32 700 *	84,0
88,0	37,4	67,4	7 900 *	19 100 *	30 000 *	88,0
92,0	33,7	61,7	6 100 *	16 800 *	27 400 *	92,0
96,0	29,6	55,0	4 400 *	14 600 *	24 500 *	96,0
100,0	24,9	47,0		12 600 *	21 000 *	100,0
104,0	19,0	36,8		10 700 *	17 500 *	104,0




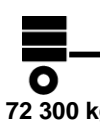






16000 MAX-ER

ANSI B30.5



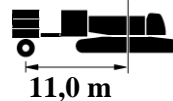
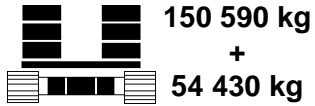

150 590 kg
 +
54 430 kg










 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	74 800	77 000 *	77 000 *	32,0
34,0	74,0	111,9	68 300	76 300 *	76 300 *	34,0
36,0	73,0	111,3	62 600	75 700 *	75 700 *	36,0
38,0	71,9	110,7	57 500	75 100 *	75 100 *	38,0
40,0	70,9	110,0	53 000	74 500 *	74 500 *	40,0
42,0	69,8	109,2	49 000	72 400	73 900 *	42,0
44,0	68,7	108,5	45 300	67 200	73 300 *	44,0
46,0	67,6	107,6	42 100	62 900	72 700 *	46,0
48,0	66,5	106,8	39 000	59 000	72 100 *	48,0
50,0	65,4	105,9	36 300	55 400	70 800 *	50,0
52,0	64,3	104,9	33 800	52 000	67 500 *	52,0
54,0	63,2	103,9	31 500	49 000	64 000 *	54,0
56,0	62,0	102,8	29 300	46 200	60 800 *	56,0
58,0	60,9	101,7	27 400	43 600	57 900 *	58,0
60,0	59,7	100,5	25 500	41 200	55 100 *	60,0
62,0	58,6	99,3	23 800	38 900	52 500 *	62,0
64,0	57,4	98,0	22 200	36 800	50 100 *	64,0
66,0	56,1	96,7	20 700	34 800	47 800 *	66,0
68,0	54,9	95,3	19 300	33 000	45 600 *	68,0
70,0	53,7	93,8	17 900	31 200	43 600 *	70,0
72,0	52,4	92,3	16 500 *	29 600	41 700 *	72,0
74,0	51,1	90,7	15 100 *	28 100	39 900 *	74,0
76,0	49,8	89,0	13 800 *	26 600	38 200 *	76,0
80,0	47,1	85,4	11 400 *	23 800 *	35 000 *	80,0
84,0	44,3	81,4	9 200 *	21 000 *	32 100 *	84,0
88,0	41,3	77,0	7 200 *	18 400 *	29 500 *	88,0
92,0	38,1	72,0	5 400 *	16 100 *	26 700 *	92,0
96,0	34,6	66,5	3 700 *	14 000 *	24 100 *	96,0
100,0	30,8	60,1		12 000 *	21 700 *	100,0
104,0	26,6	52,6		10 100 *	18 700 *	104,0
108,0	21,5	43,4		8 400 *	15 600 *	108,0

16000 MAX-ER

ANSI B30.5



 m	 °	 m	 152 130 kg  kg	 231 970 kg  kg
18,3	82,5	121,5	68 900 *	68 900 *
20,0	81,7	121,2	68 800 *	68 800 *
22,0	80,7	120,9	68 800 *	68 800 *
24,0	79,8	120,6	68 600 *	68 600 *
26,0	78,8	120,2	68 200 *	68 200 *
28,0	77,8	119,7	67 700 *	67 700 *
30,0	76,8	119,2	67 100 *	67 100 *
32,0	75,8	118,7	66 500 *	66 500 *
34,0	74,9	118,2	66 000 *	66 000 *
36,0	73,9	117,6	65 000 *	65 000 *
38,0	72,9	117,0	63 500 *	63 500 *
40,0	71,9	116,3	62 300 *	62 300 *
42,0	70,8	115,6	61 100 *	61 100 *
44,0	69,8	114,9	59 900 *	59 900 *
46,0	68,8	114,1	58 800 *	58 800 *
48,0	67,8	113,3	57 400	57 600 *
50,0	66,7	112,4	54 500	56 400 *
52,0	65,7	111,5	51 100	55 200 *
54,0	64,6	110,6	48 000	54 000 *
56,0	63,6	109,6	45 200	52 800 *
58,0	62,5	108,6	42 700	51 600 *
60,0	61,4	107,5	40 200	50 400 *
62,0	60,3	106,3	38 000	49 200 *
64,0	59,2	105,1	35 900	48 000 *
66,0	58,1	103,9	33 900	46 700 *
68,0	56,9	102,6	32 000	44 700 *
70,0	55,8	101,2	30 300	42 600 *
72,0	54,6	99,8	28 600	40 700 *
74,0	53,4	98,3	27 100	38 900 *
76,0	52,2	96,8	25 600	37 200 *
80,0	49,7	93,5	22 500 *	34 000 *
84,0	47,1	89,8	19 700 *	31 100 *
88,0	44,5	85,9	17 200 *	28 300 *
92,0	41,6	81,5	14 800 *	25 400 *
96,0	38,6	76,7	12 700 *	22 900 *
100,0	35,4	71,3	10 800 *	20 500 *
104,0	31,9	65,1	8 900 *	18 300 *
108,0	28,0	58,0	7 200 *	15 800 *
112,0	23,5	49,5	5 600 *	12 900 *
116,0	18,0	38,7	4 100 *	10 100 *