



TEREX | DEMAG CC2800-1 MAIN BOOM SUPERLIFT LOAD CHART

CC2800-1

 Capacities on Main Boom with
Superlift

SSL

"standard-SL"

Capacity (t) = Load + Hook Block

Slew Range	0-360 °
Main Boom Length	36 m
SL-Mast Length	30 m
Track Width	8,4 m
Counterweight	180 t
Central Ballast	60 t
SL-Mast Radius	15,5 m
Superlift Radius	15 m

 Superlift Counterweight (t)
Radius (m)

	0	50	100	150	200	250	300
7	578*	600*	600*	600*	(600*)	(600*)	(600*)
8	505*	573*	600*	600*	(600*)	(600*)	(600*)
9	427*	511*	568*	600*	600*	(600*)	(600*)
10	358*	453*	513*	565*	599*	599*	(599*)
12	261*	351*	422*	473*	516*	560*	583*
14	204	276*	347*	401*	443*	481*	519*
16	166	226	285*	340*	386*	421*	454*
18	140	190	241	292*	335*	374*	403*
20	120	164	208	253*	295*	331*	363*
22	104	144	183	222	262*	296*	323*
24	92,5	128	163	198	234	268*	284*
26	82,5	115	147	179	211	243	251*
28	74,5	104	133	162	192	221	222
30	67,5	95	122	149	176	196	196
double hook block *	22	22	22	22	22	22	22
single hook block	17	17	17	17	17	17	17
DS-Code	2110000103	2120000103	2130000103	2140000103	2150000103	2160000103	2170000103

Attention!
Loads in brackets () do not lift off SL-counterweight.
In case of runner mounted: reduce the load!
Reduce the load by the weight of runner and hook block on the runner!
If the jib suspension rods WU are on the main boom:
Reduce the load by the half weight of the rods!
only valid for "standard-SL".

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 Capacities on Main Boom with
Superlift

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"standard-SL"

Capacity (t) = Load + Hook Block

Slew Range	0-360 °
Main Boom Length	42 m
SL-Mast Length	30 m
Track Width	8,4 m
Counterweight	180 t
Central Ballast	60 t
SL-Mast Radius	15,5 m
Superlift Radius	15 m

 Superlift Counterweight (t)
Radius (m)

	0	50	100	150	200	250	300
8	504*	570*	592#	592#	(593#)	(593#)	(593#)
9	425*	508*	566*	592#	593#	(593#)	(593#)
10	356*	452*	511*	562*	593#	593#	(593#)
12	259*	349*	421*	470*	514*	557*	574#
14	202	274*	345*	400*	441*	478*	516*
16	165	224	283*	339*	385*	418*	451*
18	138	189	239	290*	333*	371*	401*
20	118	162	207	251*	294*	329*	360*
22	102	142	181	220	260*	294*	326*
24	90,5	126	161	196	232	265*	294*
26	80,5	112	144	177	209	241	269*
28	72,5	101	131	160	190	219	245
30	65,5	92,5	119	147	174	201	220
34	54,5	78	101	125	148	172	178
38	46,8	67,5	88	108	129	143	143
Hook block does not reach the ground #	22	22	22	22	22	22	22
double hook block *	20	20	20	20	20	20	20
single hook block	17	17	17	17	17	17	17
DS-Code	2110000104	2120000104	2130000104	2140000104	2150000104	2160000104	2170000104

Attention!
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In case of runner mounted: reduce the load!
Reduce the load by the weight of runner and hook block on the runner!
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 Capacities on Main Boom with
Superlift

SSL
"standard-SL"

Capacity (t) = Load + Hook Block

Slew Range	0-360 °
Main Boom Length	48 m
SL-Mast Length	30 m
Track Width	8,4 m
Counterweight	180 t
Central Ballast	60 t
SL-Mast Radius	15,5 m
Superlift Radius	15 m

 Superlift Counterweight (t)
Radius (m)

	0	50	100	150	200	250	300
8	504#	533#	554#	574#	(577#)	(580#)	(580#)
9	426*	506#	554#	574#	577#	(580#)	(580#)
10	355*	453*	508#	560#	577#	580#	(580#)
12	258*	348*	421*	468*	512#	555#	580#
14	201	273*	344*	399*	438*	476*	514#
16	163	223	282*	338*	383*	416*	449*
18	136	187	238	289*	333*	369*	399*
20	116	161	205	249	293*	328*	358*
22	101	140	180	219	258*	293*	324*
24	89	124	159	195	230	264*	293*
26	79	111	143	175	207	239	267*
28	70,5	100	129	159	188	217	244
30	63,5	91	118	145	172	199	226
34	52,5	76	99,5	123	146	170	193
38	44,6	65	86	106	127	148	161
42	38,4	56,5	75	93,5	112	131	133
Hook block does not reach the ground #	22	22	22	22	22	22	22
double hook block *	16	16	16	16	16	16	16
single hook block	17	17	17	17	17	17	17
DS-Code	2110000105	2120000105	2130000105	2140000105	2150000105	2160000105	2170000105

Attention!
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In case of runner mounted: reduce the load!
Reduce the load by the weight of runner and hook block on the runner!
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Reduce the load by the half weight of the rods!
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 Capacities on Main Boom with
Superlift

SSL
"standard-SL"

Capacity (t) = Load + Hook Block

Slew Range	0-360 °
Main Boom Length	54 m
SL-Mast Length	30 m
Track Width	8,4 m
Counterweight	180 t
Central Ballast	60 t
SL-Mast Radius	15,5 m
Superlift Radius	15 m

 Superlift Counterweight (t)
Radius (m)

	0	50	100	150	200	250	300
9	427*	486#	504#	522#	525#	(525#)	(525#)
10	354*	454#	504#	522#	525#	(525#)	(525#)
12	257*	347*	421*	466#	510#	525#	525#
14	200	272*	343*	399*	437*	474#	512#
16	162	222	281*	338*	381*	414*	448*
18	135	186	237*	288*	332*	367*	397*
20	115	160	204	248*	292*	328*	356*
22	100	139	178	218	257*	292*	322*
24	87,5	123	158	194	229*	263*	293*
26	77,5	109	142	174	206	238*	266*
28	69,5	98,5	128	157	187	216	244*
30	62,5	89,5	116	143	171	198	224
34	51	74,5	98	121	145	168	192
38	43	63,5	84	105	125	146	167
42	36,5	55	73,5	92	110	129	146
46	31,3	48,3	65	81,5	98,5	115	123
Hook block does not reach the ground #	18	18	18	18	18	18	18
double hook block *	15	15	15	15	15	15	15
single hook block	15	15	15	15	15	15	15
DS-Code	2110000106	2120000106	2130000106	2140000106	2150000106	2160000106	2170000106

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Capacities on Main Boom with Superlift

SSL
"standard-SL"

Capacity (t) = Load + Hook Block

Slew Range	0-360 °
Main Boom Length	60 m
SL-Mast Length	30 m
Track Width	8,4 m
Counterweight	180 t
Central Ballast	60 t
SL-Mast Radius	15,5 m
Superlift Radius	15 m

 Superlift Counterweight (t)
Radius (m)

	0	50	100	150	200	250	300
9	424#	440#	454#	473#	(476#)	(476#)	(476#)
10	354*	440#	454#	473#	476#	(476#)	(476#)
12	257*	346*	421#	464#	476#	476#	(476#)
14	199*	271*	342*	397#	435#	473#	476#
16	161	221*	280*	338*	379*	413#	446#
18	134	185	236*	287*	332*	366*	395#
20	114	159	203*	247*	292*	327*	354*
22	99	138	177	217*	256*	292*	321*
24	86,5	122	157	192	228*	263*	292*
26	76,5	108	140	173	205*	237*	265*
28	68	97,5	127	156	186	215*	243*
30	61	88	115	142	169	196	224*
34	50	73,5	97	120	144	167	191
38	41,6	62	83	103	124	145	165
42	34,8	53,5	72	90,5	109	127	146
46	29,3	46,6	63	80	96,5	113	130
50	25	41	56	71,5	86,5	102	113
54	21,6	36,5	50,5	64,5	78,5	92,5	96,5
Hook block does not reach the ground #	16	16	16	16	16	16	16
double hook block *	13	13	13	13	13	13	13
single hook block	13	13	13	13	13	13	13
DS-Code	2110000107	2120000107	2130000107	2140000107	2150000107	2160000107	2170000107

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 Capacities on Main Boom with
Superlift

SSL
"standard-SL"

Capacity (t) = Load + Hook Block

Slew Range	0-360 °
Main Boom Length	66 m
SL-Mast Length	30 m
Track Width	8,4 m
Counterweight	180 t
Central Ballast	60 t
SL-Mast Radius	15,5 m
Superlift Radius	15 m

 Superlift Counterweight (t)
Radius (m)

	0	50	100	150	200	250	300
10	353*	402#	411#	412#	(413#)	(414#)	(414#)
12	256*	346*	411#	412#	413#	(414#)	(414#)
14	198*	270*	341*	396#	413#	414#	(414#)
16	160	220*	279*	338*	378#	409#	409#
18	133	184*	235*	286*	332*	364*	388#
20	113	158	202*	246*	291*	326*	353*
22	98	137	176	216*	255*	291*	319*
24	85,5	121	156	191*	227*	262*	291*
26	75,5	107	139	172	204*	236*	265*
28	67	96,5	126	155	184*	214*	242*
30	60	87	114	141	168	195*	223*
34	48,9	72	95,5	119	142	166	189*
38	40,3	61	81,5	102	123	143	164
42	33,3	52	70,5	89	107	126	144
46	27,7	45,2	62	78,5	95,5	112	129
50	23,2	39,5	54,5	70	85	100	115
54	19,6	34,6	48,9	62,5	77	91	103
58	16,7	30,6	44	57	70	83	89,5
Hook block does not reach the ground #	14	14	14	14	14	14	14
double hook block *	12	12	12	12	12	12	12
single hook block	12	12	12	12	12	12	12
DS-Code	2110000108	2120000108	2130000108	2140000108	2150000108	2160000108	2170000108

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 Capacities on Main Boom with
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"standard-SL"

Capacity (t) = Load + Hook Block

Slew Range	0-360 °
Main Boom Length	72 m
SL-Mast Length	30 m
Track Width	8,4 m
Counterweight	180 t
Central Ballast	60 t
SL-Mast Radius	15,5 m
Superlift Radius	15 m

 Superlift Counterweight (t)
Radius (m)

	0	50	100	150	200	250	300
10	350#	362#	371#	372#	(372#)	(373#)	(373#)
12	255*	345#	371#	372#	372#	(373#)	(373#)
14	198*	269*	341#	372#	372#	373#	(373#)
16	160	219*	278*	338#	372#	373#	373#
18	133	183*	234*	285*	332*	362#	362#
20	112	157	201*	245*	290*	324*	345#
22	97	136	175*	215*	254*	291*	318*
24	84,5	120	155	190*	226*	261*	289*
26	74,5	106	138	171*	203*	235*	264*
28	66	95,5	125	154	183*	213*	242*
30	59	86	113	140	167	194*	221*
34	47,8	71	94,5	118	141	165	188*
38	38,9	59,5	80,5	101	122	142	163
42	31,8	51	69,5	88	106	125	143
46	26,2	43,9	60,5	77	94	110	127
50	21,6	37,8	53	68,5	83,5	99	114
54	17,8	32,8	47,3	61	75,5	89,5	103
58	14,7	28,6	42,3	55	68	81	94
62	12,2	25,1	38	50	62	74	82,5
Hook block does not reach the ground #	13	13	13	13	13	13	13
double hook block *	11	11	11	11	11	11	11
single hook block	11	11	11	11	11	11	11
DS-Code	2110000109	2120000109	2130000109	2140000109	2150000109	2160000109	2170000109

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Capacities on Main Boom with Superlift

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$$\text{Capacity (t)} = \text{Load} + \text{Hook Block}$$

Slew Range	0-360 °
Main Boom Length	78 m
SL-Mast Length	30 m
Track Width	8,4 m
Counterweight	180 t
Central Ballast	60 t
SL-Mast Radius	15,5 m
Superlift Radius	15 m

 Superlift Counterweight (t)
 Radius (m)

	0	50	100	150	200	250	300
12	255*	312#	314#	315#	(315#)	(316#)	(316#)
14	197*	268*	314#	315#	315#	(316#)	(316#)
16	159*	218*	277*	315#	315#	316#	(316#)
18	132	182*	233*	284*	315#	315#	315#
20	112	156*	200*	245*	289*	306*	306*
22	96	135	175*	214*	253*	291*	298*
24	83,5	119	154*	190*	225*	260*	288*
26	73,5	105	138	170*	202*	234*	264*
28	65	94,5	124	153	182*	212*	241*
30	58	85	112	139	166*	193*	221*
34	46,8	70	93,5	117	140	164*	187*
38	37,7	58,5	79,5	100	121	141	162*
42	30,6	49,9	68,5	87	105	124	142
46	24,8	42,7	59,5	76	93	109	126
50	20,2	36,4	52	67,5	82,5	98	113
54	16,3	31,3	46,1	60	74	88	102
58	13,2	27	40,9	54	67	80	93
62	10,5	23,4	36,3	48,8	60,5	73	85
66	8,3	20,4	32,4	44,3	55,5	67	75,5
70	6,6	17,9	29,2	40,5	51	61,5	66
Hook block does not reach the ground #	11	11	11	11	11	11	11
double hook block *	10	10	10	10	10	10	10
single hook block	10	10	10	10	10	10	10
DS-Code	2110000110	2120000110	2130000110	2140000110	2150000110	2160000110	2170000110

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Reduce the load by the half weight of the rods!
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 Capacities on Main Boom with
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"standard-SL"

Capacity (t) = Load + Hook Block

Slew Range	0-360 °
Main Boom Length	84 m
SL-Mast Length	30 m
Track Width	8,4 m
Counterweight	180 t
Central Ballast	60 t
SL-Mast Radius	15,5 m
Superlift Radius	15 m

 Superlift Counterweight (t)
Radius (m)

	0	50	100	150	200	250	300
12	253*	278#	280#	280#	(281#)	(281#)	(281#)
14	195*	267*	280#	280#	281#	(281#)	(281#)
16	157*	217*	276*	280#	281#	(281#)	(281#)
18	130	181*	232*	280#	281#	281#	(281#)
20	110	154*	199*	243*	277*	278#	278#
22	94,5	134	173*	212*	252*	271*	271*
24	82	117	152*	188*	223*	259*	265*
26	72	104	136	168*	200*	232*	259*
28	63,5	93	122	151*	181*	210*	240*
30	56	83,5	110	137	164*	192*	219*
34	44,8	68,5	92	115	139*	162*	186*
38	35,6	57	77,5	98,5	119	139*	160*
42	28,4	48,1	66,5	85	103	122	140*
46	22,7	40,5	57,5	74	91	107	124
50	18	34,2	50	65,5	80,5	96	111
54	14,1	29,1	44	58	72	86	100
58	10,9	24,7	38,6	52	65	78	91
62	8,2	21,1	33,9	46,8	58,5	71	83
66	5,9	18	30	42,1	53,5	64,5	76
70		15,3	26,7	38	49,1	59,5	68
74		13,2	23,8	34,5	45,1	55	60
Hook block does not reach the ground #	10	10	10	10	10	10	10
double hook block *	9	9	9	9	9	9	9
single hook block	9	9	9	9	9	9	9
DS-Code	2110000111	2120000111	2130000111	2140000111	2150000111	2160000111	2170000111

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Reduce the load by the weight of runner and hook block on the runner!
If the jib suspension rods WU are on the main boom:
Reduce the load by the half weight of the rods!
only valid for "standard-SL".



Tutt Bryant Heavy Lift & Shift Locations

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