

## Max Crane Capacities — Standard Deductions (Cable Weight + Stowed Jib + Block + Rigging + Rooster/Ball)

Capacities in POUNDS after deductions | Fully Extended Outriggers | Max Counterweight | RED = Jib/Extension (jib deployed, no stowed jib deduction) | Deductions: cable weight (parts of line × 60 lb) + stowed jib + block + rigging + rooster/ball

Radius (ft)	23 Ton National 890D (No CW)	30 Ton Manitowoc 30100C (No CW)	40 Ton National NTB40127 (No CW)	50 Ton Manitex TC50128HL (Over Rear)	50 Ton Manitex TC50128HL (Full 360°)	60 Ton National NBT60XL (16,000 lb CW)	80 Ton Grove TMS800E (24,000 lb CW)	110 Ton Grove TMS9000E (48,500 lb CW)	115 Ton Grove TMS9000-2 (48,500 lb CW)	120 Ton Link-Belt 120HTLB (49,100 lb CW)	175 Ton Grove GMK5150XL (98,100 lb CW)	225 Ton Grove GMK5225 (117,800 lb CW)	350 Ton Grove GMK6300L (164,200 lb CW)
20	13,920	21,845	31,000	46,792	46,792	52,182	85,247	103,990	108,450	99,345	146,580	184,395	281,565
25	10,180	16,315	23,660	37,452	37,552	42,612	65,417	84,360	85,620	78,465	122,700	155,515	235,805
30	8,280	13,065	19,120	29,412	30,802	35,522	48,637	68,100	69,400	64,185	101,160	131,975	192,495
35	6,530	10,545	14,620	24,162	22,142	29,422	38,897	57,220	57,760	53,645	85,280	114,095	161,675
40	5,390	8,055	11,730	20,122	16,902	24,272	32,497	47,680	48,380	46,405	72,510	100,155	138,905
45	4,440	6,215	9,580	16,382	13,292	20,482	25,027	41,240	40,890	40,105	62,570	87,495	119,965
50	3,590	4,965	8,030	15,152	10,902	17,332	20,577	35,750	35,610	35,205	54,740	77,555	105,235
55	3,040	3,865	6,830	12,862	8,792	14,542	17,387	31,010	30,660	30,805	49,740	67,705	93,295
60	2,440	2,995	5,740	9,062	7,572	12,292	15,147	27,150	26,810	27,045	44,950	60,705	83,345
65	1,990	2,255	4,840	8,352	6,262	10,512	14,397	23,910	23,760	23,545	40,150	54,825	75,405
70	1,490	1,815	3,940	6,892	5,112	9,012	12,787	21,320	20,870	<b>21,455</b>	36,260	48,825	68,505
75	690	1,315	3,190	6,782	4,992	7,732	10,137	19,470	18,580	<b>19,055</b>	33,660	43,935	62,505
80	890	875	2,640	6,102	4,182	6,652	8,947	17,760	17,080	<b>16,715</b>	30,500	39,735	57,625
85	390	595	2,090	4,072	3,472	5,772	7,937	15,470	15,520	<b>14,815</b>	27,560	36,405	52,625
90	—	265	1,590	4,502	2,852	4,972	6,957	14,320	14,020	<b>13,315</b>	24,790	34,205	47,655
95	—	235	1,140	4,032	2,312	4,212	5,987	13,000	12,850	<b>11,815</b>	21,790	31,095	44,715
100	—	65	790	3,242	1,832	3,672	<b>5,247</b>	11,800	11,780	<b>10,615</b>	20,620	26,495	41,345
105	—	—	440	2,872	1,392	<b>3,662</b>	<b>4,877</b>	10,750	10,180	<b>9,515</b>	18,620	24,725	36,145
110	—	—	140	2,542	1,002	<b>3,412</b>	<b>4,537</b>	9,750	9,310	<b>8,775</b>	17,110	23,725	33,265
115	—	—	0	1,972	642	<b>3,182</b>	<b>4,147</b>	8,850	8,450	<b>8,075</b>	15,540	21,845	30,465
120	—	—	—	1,692	312	<b>2,872</b>	<b>3,647</b>	8,110	7,670	<b>7,275</b>	14,170	20,045	29,265
125	—	—	—	—	—	<b>1,052</b>	<b>2,472</b>	<b>3,327</b>	<b>7,360</b>	<b>6,875</b>	11,000	18,275	27,865
130	—	—	—	—	—	<b>792</b>	<b>2,102</b>	<b>2,787</b>	<b>6,760</b>	<b>6,275</b>	10,000	16,075	25,665
135	—	—	—	—	—	<b>552</b>	<b>1,782</b>	<b>2,297</b>	<b>6,070</b>	<b>5,675</b>	9,200	13,875	23,665
140	—	—	—	—	—	<b>312</b>	<b>1,482</b>	<b>1,797</b>	<b>5,610</b>	<b>5,075</b>	8,600	13,475	19,525
145	—	—	—	—	—	—	<b>1,052</b>	<b>1,797</b>	<b>5,280</b>	<b>3,475</b>	8,060	11,675	17,925
150	—	—	—	—	—	—	<b>802</b>	<b>1,507</b>	<b>5,150</b>	<b>2,975</b>	7,660	11,275	16,325
155	—	—	—	—	—	—	<b>572</b>	<b>1,197</b>	<b>4,810</b>	<b>2,475</b>	7,060	10,875	<b>15,115</b>
160	—	—	—	—	—	—	<b>202</b>	<b>1,137</b>	<b>3,900</b>	<b>2,075</b>	5,460	10,335	<b>14,515</b>
165	—	—	—	—	—	—	<b>2</b>	<b>547</b>	<b>3,790</b>	<b>1,575</b>	5,260	8,335	<b>13,915</b>
170	—	—	—	—	—	—	—	—	<b>3,390</b>	<b>775</b>	4,860	7,935	<b>12,915</b>
175	—	—	—	—	—	—	—	—	<b>3,010</b>	<b>275</b>	4,460	7,535	<b>11,915</b>
180	—	—	—	—	—	—	—	—	<b>2,650</b>	<b>0</b>	<b>4,050</b>	<b>6,725</b>	<b>10,915</b>
185	—	—	—	—	—	—	—	—	<b>2,230</b>	—	<b>3,650</b>	<b>6,525</b>	<b>10,515</b>
190	—	—	—	—	—	—	—	—	<b>1,930</b>	—	<b>3,450</b>	<b>6,125</b>	<b>9,975</b>
195	—	—	—	—	—	—	—	—	<b>1,630</b>	—	<b>3,050</b>	<b>5,925</b>	<b>7,975</b>
200	—	—	—	—	—	—	—	—	<b>1,270</b>	—	<b>2,850</b>	<b>5,525</b>	<b>7,175</b>
205	—	—	—	—	—	—	—	—	<b>1,060</b>	—	<b>2,650</b>	<b>4,325</b>	<b>6,775</b>
210	—	—	—	—	—	—	—	—	<b>810</b>	—	<b>850</b>	<b>4,125</b>	<b>4,775</b>
215	—	—	—	—	—	—	—	—	<b>490</b>	—	—	<b>3,525</b>	<b>3,975</b>
220	—	—	—	—	—	—	—	—	<b>310</b>	—	—	<b>2,925</b>	<b>3,175</b>
225	—	—	—	—	—	—	—	—	—	—	—	<b>1,925</b>	<b>2,575</b>
230	—	—	—	—	—	—	—	—	—	—	—	<b>1,925</b>	<b>1,975</b>
235	—	—	—	—	—	—	—	—	—	—	—	<b>1,325</b>	<b>1,375</b>
240	—	—	—	—	—	—	—	—	—	—	—	<b>1,125</b>	<b>975</b>
245	—	—	—	—	—	—	—	—	—	—	—	—	<b>575</b>
250	—	—	—	—	—	—	—	—	—	—	—	—	<b>175</b>

RED = Jib deployed (no stowed jib deduction). Deductions per radius: CEILING(capacity + line\_pull) × 60 lb + stowed jib (if main boom) + block + rigging + rooster/ball