

Broderson Cranes Outrigger Load Tables

MAXIMUM OUTRIGGER LOADS						
CRANE MODEL	TYPICAL CRANE WEIGHT (POUNDS)	MAXIMUM CONDITION LOAD (POUNDS)	MAXIMUM CONDITION RADIUS (FEET)	MAXIMUM OUTRIGGER PAD LOAD (POUNDS)	PAD SIZE (INCHES)	GROUND PRESSURE (PSI)
IC-20-1B, 1C,1D	6300	5000	4	6620	6 x 6.5	170
IC-20-1E,1F	6400	5000	4	7250	6 x 6.5	186
IC-35-2	7700	8000	4	7620	6 x 8	159
IC-40-2	8800	2850	12	7500	6 x 8	156
IC-80-1	16900	17000	5	15030	9 x 12	139
IC-80-2	17100	17000	5	15120	9 x 12	140
IC-80-3	17500	17000	5	15270	9 x 12	141
IC-200-1	28400	20000	10	25790	11 x 16	147
IC-200-2	28900	19800	10	25900	11 x 16	147
IC-200-3	31300	30000	6	26150	11 x 16	149
IC-250-3 OUT & DOWN	38600	13500	20	31020	9 x 9	383
IC-250-3 IN & DOWN	38600	25050	8	31370	9 x 9	387
RT-200-3	30900	30000	6	27780	12 x 16	145
RT-300-2	45300	25950	14	40440	16 x 17	149

OUTRIGGER LOAD EXAMPLES AT 10 FOOT LOAD RADIUS

CRANE MODEL	RATED 360° LOAD @10 FT LOAD RADIUS (POUNDS)	OUTRIGGER LOAD @RATED LOAD @10 FT RADIUS (POUNDS)	OUTRIGGER LOAD @1/2 RATED LOAD @10 FT RADIUS (POUNDS)	OUTRIGGER LOAD W/EMPTY HOOK @10 FT RADIUS (POUNDS)
IC-20-1B, 1C,1D	1500	4150	3630	3130
IC-20-1E,1F	2000	5290	4540	3830
IC-35-2	3200	7000	4490	2340
IC-40-2	3400	7480	5030	2810
IC-80-1	7700	12700	8170	4370
IC-80-2	7700	12840	8310	4480
IC-80-3	7700	13120	8570	4600
IC-200-1	20000	25790	15500	7810
IC-200-2	19800	25900	15710	7750
IC-200-3	18500	25080	15630	7890
IC-250-3 OUT & DOWN	25000	29550	18420	10980
IC-250-3 IN & DOWN	20300	31320	18840	11650
RT-200-3	18500	25950	16610	9090
RT-300-2	30000	35300	21730	13760

OUTRIGGER LOAD EXAMPLES, MAX RADIUS ON MAIN BOOM			
CRANE MODEL	RATED 360° LOAD @ MAX LOAD RADIUS (POUNDS)	OUTRIGGER LOAD @RATED LOAD @MAX RADIUS (POUNDS)	OUTRIGGER LOAD W/EMPTY HOOK @MAX RADIUS (POUNDS)
IC-20-1B, 1C,1D	750# @ 15'	3630	3130
IC-20-1E,1F	1000# @ 15'	4540	3830
IC-35-2	1150# @ 19'	5450	2590
IC-40-2	1450# @ 19'	6570	3050
IC-80-1	3550# @ 20'	11710	4610
IC-80-2	2550# @ 24'	11000	5050
IC-80-3	1950# @30'	11720	5990
IC-200-1	5500# @ 28'	21260	8040
IC-200-2	3400# @ 36'	20120	9950
IC-200-3	1850# @ 50'	21670	14010
IC-250-3 OUT & DOWN	3550# @ 50'	27320	14950
IC-250-3 IN & DOWN	900# @ 50'	22840	19540
RT-200-3	2000# @ 49'	21110	13520
RT-300-2	2300# @ 60'	29780	21060

OUTRIGGER LOAD EXAMPLES, MAX RADIUS ON BOOM EXTENSION			
CRANE MODEL	RATED 360° LOAD @ MAX LOAD RADIUS (POUNDS)	OUTRIGGER LOAD @RATED LOAD @MAX RADIUS (POUNDS)	OUTRIGGER LOAD W/EMPTY HOOK @MAX RADIUS (POUNDS)
IC-20-1B, 1C,1D	350# @ 22'	3420	3200
IC-20-1E,1F	225# @ 22'	3980	3850
IC-35-2	650# @ 27'	5240	2980
IC-40-2	750# @ 27'	5710	3200
IC-80-1	2000# @ 30'	11150	5320
IC-80-2	1500# @ 34'	10770	5880
IC-80-3	1150# @ 40'	11510	7040
IC-200-1	2900# @ 43'	19780	9340
IC-200-2	2200# @ 51'	21020	11470
IC-200-3	980# @ 66'	21820	16420
IC-250-3 OUT & DOWN	1800# @ 70'	26200	17380
IC-250-3 IN & DOWN	900# @ 50'	20070	16330
RT-200-3	800# @ 64'	19290	15570
RT-300-2	1100# @ 80'	30860	24930

NOTE: All weights and measurements are in US pounds, feet and inches.