

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.