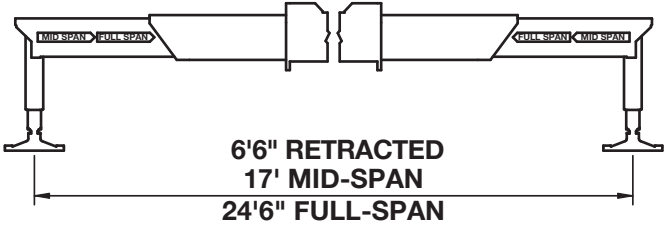


INFORMATIONAL DATA

OUTRIGGERS

- 1. Outrigger spread from center to center of the outrigger floats at mid-span is 17' and at full-span is 24'6" and at retracted is 6'6".
- 2. No outrigger pad load exceeds 55,000 pounds maximum at full-span or 65,000 pounds at mid-span or retracted.

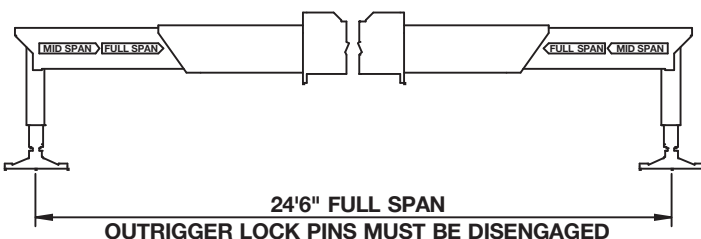


WEIGHT REDUCTIONS FOR LOAD HANDLING DEVICES (See load chart for jib deductions)

- 1. Hookblocks are rated at maximum capacity for the block. Do not exceed rated cable pull with any block.

|        |                 |        |
|--------|-----------------|--------|
|        | Aux Boom Head   | 100 lb |
| 5 Ton  | Downhaul weight | 180 lb |
| 15 Ton | 1 sheave block  | 375 lb |
| 25 Ton | 2 sheave block  | 640 lb |
| 35 Ton | 3 sheave block  | 870 lb |
| 36 Ton | 4 sheave block  | 970 lb |

| NOTICE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |                           | 1 Part Line                                                                                 | 2 Part Line                                                                         | 3 Part Line                                                                          | 4 Part Line                                                                           | 5 Part Line                                                                           | 6 Part Line                                                                           | 7 Part Line                                                                           | 8 Part Line                                                                           |       |                |                      |                                          |                                                       |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------|----------------|----------------------|------------------------------------------|-------------------------------------------------------|--------------|
| <ul style="list-style-type: none"><li>• Do not deadhead line block against boom tip when extending boom.</li><li>• Keep at least 3 wraps of loadline on drum at all times.</li><li>• Use only 5/8" diameter rotation resistant cable with 45,400 pounds breaking strength on this machine.</li></ul>                                                                                                                                                                                                                                                                             |                                                       |                           |          |  |  |  |  |  |  |  |       |                |                      |                                          |                                                       |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                       |                           | Maximum Boom Length at Maximum Elevation with Rigging Shown with Load Block at Ground Level | 157'<br>Boom & Jib                                                                  | 112'                                                                                 | 83'                                                                                   | 64'                                                                                   | 52'                                                                                   | 43'                                                                                   | 36'                                                                                   | 33'   |                |                      |                                          |                                                       |              |
| Winch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cable Supplied                                        | Average Breaking Strength | Lift and Speed                                                                              | Lift and Speed                                                                      | Lift and Speed                                                                       | Lift and Speed                                                                        | Lift and Speed                                                                        | Lift and Speed                                                                        | Lift and Speed                                                                        | Lift and Speed                                                                        |       |                |                      |                                          |                                                       |              |
| Standard Planetary Winch Low Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5/8" diameter rotation resistant 18 x 19 IWRC         | 45,400 lb                 | 9,000 lb<br>170 fpm                                                                         | 18,000 lb<br>85 fpm                                                                 | 27,000 lb<br>57 fpm                                                                  | 36,000 lb<br>43 fpm                                                                   | 45,000 lb<br>34 fpm                                                                   | 54,000 lb<br>28 fpm                                                                   | 63,000 lb<br>24 fpm                                                                   | 66,000 lb<br>21 fpm                                                                   |       |                |                      |                                          |                                                       |              |
| Standard Planetary Winch High Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5/8" diameter rotation resistant 18 x 19 IWRC         | 45,400 lb                 | 4,400 lb<br>340 fpm                                                                         | 8,800 lb<br>170 fpm                                                                 | 13,200 lb<br>113 fpm                                                                 | 17,600 lb<br>85 fpm                                                                   | 22,000 lb<br>68 fpm                                                                   | 26,400 lb<br>57 fpm                                                                   | 30,800 lb<br>49 fpm                                                                   | 35,200 lb<br>43 fpm                                                                   |       |                |                      |                                          |                                                       |              |
| <p>All winch pulls and speeds are shown on the fourth layer. Winch line pulls would increase on the first, second and third layers. Winch line speed would decrease on the first, second and third layers. Winch line pulls may be limited by the winch capacity or the ANSI 5 to 1 cable safety factor. These are shown below:</p> <table><tr><td>Winch</td><td>Full Drum Pull</td><td>Allowable Cable Pull</td></tr><tr><td>Standard planetary &amp; Auxiliary planetary</td><td>4,400 pounds (high speed)<br/>9,000 pounds (low speed)</td><td>9,080 pounds</td></tr></table> |                                                       |                           |                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       | Winch | Full Drum Pull | Allowable Cable Pull | Standard planetary & Auxiliary planetary | 4,400 pounds (high speed)<br>9,000 pounds (low speed) | 9,080 pounds |
| Winch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Full Drum Pull                                        | Allowable Cable Pull      |                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |       |                |                      |                                          |                                                       |              |
| Standard planetary & Auxiliary planetary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4,400 pounds (high speed)<br>9,000 pounds (low speed) | 9,080 pounds              |                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |       |                |                      |                                          |                                                       |              |

| 14127A<br>127' BOOM<br>30' JIB                            |                         |                       |                         |  |                         |                         |                         | FULL-SPAN<br>OUTRIGGER  |                         |                          |                         |                        |
|-----------------------------------------------------------|-------------------------|-----------------------|-------------------------|------------------------------------------------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|------------------------|
| 24'6" FULL SPAN<br>OUTRIGGER LOCK PINS MUST BE DISENGAGED |                         |                       |                         |                                                                                    |                         |                         |                         |                         |                         |                          |                         |                        |
| 32 TO 127 FOOT BOOM RATED LOADS WITHOUT JIB               |                         |                       |                         |                                                                                    |                         |                         |                         |                         |                         |                          |                         |                        |
| LOAD<br>RADIUS<br>(ft)                                    | LOADED<br>BOOM<br>ANGLE | 32 ft<br>BOOM<br>(lb) | LOADED<br>BOOM<br>ANGLE | A<br>51 ft<br>BOOM (lb)                                                            | LOADED<br>BOOM<br>ANGLE | B<br>70 ft<br>BOOM (lb) | LOADED<br>BOOM<br>ANGLE | C<br>89 ft<br>BOOM (lb) | LOADED<br>BOOM<br>ANGLE | D<br>108 ft<br>BOOM (lb) | LOADED<br>BOOM<br>ANGLE | 127 ft<br>BOOM<br>(lb) |
| 6                                                         | 76.5                    | 66,000                |                         |                                                                                    |                         |                         |                         |                         |                         |                          |                         |                        |
| 8                                                         | 72.3                    | 48,050                |                         |                                                                                    |                         |                         |                         |                         |                         |                          |                         |                        |
| 10                                                        | 68.2                    | 41,250                | 77.6                    | 33,000                                                                             |                         |                         |                         |                         |                         |                          |                         |                        |
| 12                                                        | 64                      | 36,300                | 75.6                    | 30,050                                                                             |                         |                         |                         |                         |                         |                          |                         |                        |
| 15                                                        | 57.4                    | 30,700                | 71.7                    | 26,200                                                                             | 77.5                    | 22,800                  |                         |                         |                         |                          |                         |                        |
| 20                                                        | 45.2                    | 24,550                | 65.5                    | 20,750                                                                             | 73.3                    | 19,200                  | 77.7                    | 16,800                  |                         |                          |                         |                        |
| 25                                                        | 29.2                    | 19,900                | 59                      | 17,050                                                                             | 68.9                    | 15,600                  | 74.5                    | 14,400                  | 78                      | 12,400                   |                         |                        |
| 30                                                        |                         |                       | 51.9                    | 14,600                                                                             | 64.3                    | 13,100                  | 71                      | 12,050                  | 75.3                    | 10,700                   | 77.9                    | 8,000                  |
| 35                                                        |                         |                       | 44                      | 12,550                                                                             | 59.5                    | 10,900                  | 67.4                    | 9,900                   | 72.7                    | 9,200                    | 75.9                    | 7,700                  |
| 40                                                        |                         |                       | 34.6                    | 10,100                                                                             | 54.5                    | 9,400                   | 64.1                    | 8,500                   | 69.9                    | 8,000                    | 73.7                    | 7,300                  |
| 45                                                        |                         |                       | 23.4                    | 8,050                                                                              | 49.6                    | 8,250                   | 60.4                    | 7,400                   | 66.9                    | 6,900                    | 71.4                    | 6,500                  |
| 50                                                        |                         |                       |                         |                                                                                    | 43.7                    | 7,050                   | 56.4                    | 6,350                   | 63.8                    | 5,650                    | 68.8                    | 5,650                  |
| 55                                                        |                         |                       |                         |                                                                                    | 36.9                    | 5,900                   | 52.3                    | 5,700                   | 60.7                    | 4,950                    | 66.2                    | 4,700                  |
| 60                                                        |                         |                       |                         |                                                                                    | 28.9                    | 4,800                   | 48                      | 5,100                   | 57.4                    | 4,350                    | 63.3                    | 3,600                  |
| 65                                                        |                         |                       |                         |                                                                                    | 17.5                    | 3,850                   | 43.1                    | 4,200                   | 54.1                    | 3,900                    | 60.7                    | 3,200                  |
| 70                                                        |                         |                       |                         |                                                                                    |                         |                         | 37.8                    | 3,400                   | 50.6                    | 3,450                    | 58                      | 2,800                  |
| 75                                                        |                         |                       |                         |                                                                                    |                         |                         | 31.7                    | 2,700                   | 46.8                    | 2,850                    | 55.2                    | 2,500                  |
| 80                                                        |                         |                       |                         |                                                                                    |                         |                         | 24.2                    | 2,150                   | 42.8                    | 2,300                    | 52.3                    | 2,200                  |
| 85                                                        |                         |                       |                         |                                                                                    |                         |                         | 12.8                    | 1,600                   | 38.4                    | 1,800                    | 49.3                    | 1,950                  |
| 90                                                        |                         |                       |                         |                                                                                    |                         |                         |                         |                         | 33.4                    | 1,350                    | 46                      | 1,500                  |
| 95                                                        |                         |                       |                         |                                                                                    |                         |                         |                         |                         | 27.7                    | 950                      | 42.4                    | 1,100                  |
| 100                                                       |                         |                       |                         |                                                                                    |                         |                         |                         |                         | 20.6                    | 600                      | 38.7                    | 750                    |
|                                                           | 0                       | 12,800                | 0                       | 5,400                                                                              | 0                       | 2,600                   | 0                       | 1,100                   |                         |                          |                         |                        |

| 30 FOOT JIB RATED LOADS |                         |                   |
|-------------------------|-------------------------|-------------------|
| LOAD<br>RADIUS<br>(ft)  | LOADED<br>BOOM<br>ANGLE | 30 ft JIB<br>(lb) |
| 35                      | 78.6                    | 3,850             |
| 40                      | 77.1                    | 3,700             |
| 45                      | 75.4                    | 3,550             |
| 50                      | 73.8                    | 3,400             |
| 55                      | 72.1                    | 3,250             |
| 60                      | 70.3                    | 3,100             |
| 65                      | 68.5                    | 2,950             |
| 70                      | 66.5                    | 2,700             |
| 75                      | 64.5                    | 2,550             |
| 80                      | 62.4                    | 2,300             |
| 85                      | 60.2                    | 2,100             |
| 90                      | 58                      | 1,850             |
| 95                      | 55.6                    | 1,650             |
| 100                     | 53.2                    | 1,300             |
| 105                     | 50.6                    | 950               |
| 110                     | 47.8                    | 650               |

| RATED LOAD REDUCTIONS WITH JIB |                                                                                                         |                                                                                                          |
|--------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| BOOM<br>LENGTH                 | 30' JIB STOWED<br> | 30' JIB ERECTED<br> |
| 32'                            | Reduce load 500 lb                                                                                      | Reduce load 1,250 lb                                                                                     |
| 51'                            | Reduce load 350 lb                                                                                      | Reduce load 1,100 lb                                                                                     |
| 70'                            | Reduce load 250 lb                                                                                      | Reduce load 1,050 lb                                                                                     |
| 89'                            | Reduce load 200 lb                                                                                      | Reduce load 1,000 lb                                                                                     |
| 108'                           | Reduce load 150 lb                                                                                      | Reduce load 1,000 lb                                                                                     |
| 127'                           | Reduce load 150 lb                                                                                      | Reduce load 950 lb                                                                                       |

Note:

- All capacities are in pounds, angles in degrees, radius in feet.
- Loaded boom angles are given as reference only.
- Shaded areas are structurally limited capacities.
- Handling of personnel is only permitted with full-span outriggers.