

## Modular Spreader Beams | 2.6 - 24 Ton | Mod 24

Table 2: Load V. Span

| Span<br>(ft) | Base to Sling Angle (BSA) α       |                                           |                                   |                                           |                                   |                                           | Recommended Configuration<br>EU - End Unit (1.5 ft) |    |    |    |    |     | Beam<br>Weight<br>(lbs) |     |
|--------------|-----------------------------------|-------------------------------------------|-----------------------------------|-------------------------------------------|-----------------------------------|-------------------------------------------|-----------------------------------------------------|----|----|----|----|-----|-------------------------|-----|
|              | 45°                               |                                           | 60°                               |                                           | 70°                               |                                           |                                                     |    |    |    |    |     |                         |     |
|              | WLL<br>metric<br>tons<br>(tonnes) | Min.<br>top<br>sling<br>length<br>(ft in) | WLL<br>metric<br>tons<br>(tonnes) | Min.<br>top<br>sling<br>length<br>(ft in) | WLL<br>metric<br>tons<br>(tonnes) | Min.<br>top<br>sling<br>length<br>(ft in) | EU                                                  | EU | EU | EU | EU |     |                         |     |
| 3            | 24                                | 1'7"                                      | 24                                | 2'6"                                      | 24                                | 3'11"                                     | EU                                                  | EU | —  |    |    | 151 |                         |     |
| 4            | 24                                | 2'4"                                      | 24                                | 3'6"                                      | 24                                | 5' 4"                                     | EU                                                  | 1  | EU | —  |    |     | 177                     |     |
| 5            | 24                                | 3'0"                                      | 24                                | 4'6"                                      | 24                                | 6'10"                                     | EU                                                  | 2  | EU | —  |    |     | 188                     |     |
| 6            | 24                                | 3'8"                                      | 24                                | 5'6"                                      | 24                                | 8'4"                                      | EU                                                  | 2  | 1  | EU | —  |     | 214                     |     |
| 7            | 24                                | 4'6"                                      | 24                                | 6'6"                                      | 24                                | 9'8"                                      | EU                                                  | 4  | EU | —  |    |     | 207                     |     |
| 8            | 24                                | 5'2"                                      | 24                                | 7'6"                                      | 24                                | 11'2"                                     | EU                                                  | 4  | 1  | EU | —  |     | 233                     |     |
| 9            | 24                                | 5'11"                                     | 24                                | 8'6"                                      | 24                                | 12'8"                                     | EU                                                  | 6  | EU | —  |    |     | 231                     |     |
| 10           | 24                                | 6'7"                                      | 24                                | 9'6"                                      | 24                                | 14'1"                                     | EU                                                  | 6  | 1  | EU | —  |     | 257                     |     |
| 11           | 22                                | 7'4"                                      | 24                                | 10'6"                                     | 24                                | 15'7"                                     | EU                                                  | 6  | 2  | EU | —  |     | 268                     |     |
| 12           | 19                                | 8'0"                                      | 24                                | 11'6"                                     | 24                                | 17'0"                                     | EU                                                  | 2  | 6  | 1  | EU | —   | 294                     |     |
| 13           | 16                                | 8'8"                                      | 24                                | 12'6"                                     | 24                                | 18'6"                                     | EU                                                  | 4  | 6  | EU | —  |     | 287                     |     |
| 14           | 13                                | 9'5"                                      | 24                                | 13'6"                                     | 24                                | 20'0"                                     | EU                                                  | 4  | 6  | 1  | EU | —   | 313                     |     |
| 15           | 11                                | 10'1"                                     | 20                                | 14'6"                                     | 24                                | 21'5"                                     | EU                                                  | 6  | 6  | EU | —  |     | 311                     |     |
| 16           | 10                                | 10'10"                                    | 17                                | 15'6"                                     | 24                                | 22'11"                                    | EU                                                  | 6  | 6  | 1  | EU | —   | 337                     |     |
| 17           | 8.6                               | 11'6"                                     | 15                                | 16'6"                                     | 24                                | 24'5"                                     | EU                                                  | 6  | 6  | 2  | EU | —   | 348                     |     |
| 18           | 7.4                               | 12'2"                                     | 13                                | 17'6"                                     | 20                                | 25'10"                                    | EU                                                  | 1  | 6  | 6  | 2  | EU  | —                       | 374 |
| 19           | 6.5                               | 12'11"                                    | 11                                | 18'6"                                     | 18                                | 27'4"                                     | EU                                                  | 6  | 6  | 4  | EU | —   | 367                     |     |
| 20           | 5.6                               | 13'7"                                     | 9.9                               | 19'6"                                     | 15                                | 28'8"                                     | EU                                                  | 1  | 6  | 6  | 4  | EU  | —                       | 393 |
| 21           | 5                                 | 14'5"                                     | 8.8                               | 20'6"                                     | 14                                | 30'2"                                     | EU                                                  | 6  | 6  | 6  | EU | —   | 391                     |     |
| 22           | 4.4                               | 15'1"                                     | 7.7                               | 21'6"                                     | 12                                | 31'8"                                     | EU                                                  | 6  | 6  | 6  | 1  | EU  | —                       | 417 |
| 23           | 3.8                               | 15'10"                                    | 6.8                               | 22'6"                                     | 10                                | 33'1"                                     | EU                                                  | 6  | 6  | 6  | 2  | EU  | —                       | 428 |
| 24           | 3.4                               | 16'6"                                     | 6                                 | 23'6"                                     | 9.6                               | 34'7"                                     | EU                                                  | 1  | 6  | 6  | 6  | 2   | EU                      | 454 |
| 25           | 3                                 | 17'2"                                     | 5.3                               | 24'6"                                     | 8.6                               | 36'0"                                     | EU                                                  | 6  | 6  | 6  | 4  | EU  | —                       | 447 |
| 26           | 2.6                               | 17'11"                                    | 4.7                               | 25'6"                                     | 7.6                               | 37'6"                                     | EU                                                  | 1  | 6  | 6  | 6  | 4   | EU                      | 473 |

Green shading reflects rental inventory.  
•Beam weights calculated without top rigging.

**NOTE:** Top Slings shall be properly load-rated based on the specified angle used. LGH top sling inventory is based on Rental Center location availability.

- Rated at 24t WLL at 14 ft. span. (60 degrees Base Sling Angle). See Load Table for WLL at spans greater than 14 ft.
- Base sling angle,  $\alpha$ , 45 degrees or greater.
- End Units & Drop Links are rated at 12t (24t combined capacity).
- Bolt tightening torque: 110 pound-foot.

Table 1: Component List

| Part Ref: | Description                               | Item Weight (lbs) |
|-----------|-------------------------------------------|-------------------|
| P1        | End Unit (1 1/2 ft)                       | 36                |
| P2        | Drop Link                                 | 11                |
| P3        | 6 ft. Strut                               | 80                |
| P4        | 4 ft. Strut                               | 56                |
| P5        | 2 ft. Strut                               | 37                |
| P6        | 1 ft. Strut                               | 26                |
| P7        | 17t Shackle                               | 18                |
| P8        | 12t Shackle                               | 11                |
| P9        | M20x50 Grade 8.8 HT Bolts, Nuts & Washers |                   |

Green shading reflects rental inventory.  
•Beam weights calculated without top rigging.

- Max number of struts allowed in spreader assembly: 5
- Assemble longer struts in the center of the spreader configuration
- Sling angle is crucial to safe use of spreader

### Typical Spreader Assembly

