

## Modular Spreader Beams | 104 - 250 Ton | Mod 1000/250

**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 250t WLL at 100 ft. span (60 degrees Base Sling Angle).
- End Units & Drop Links are rated at 125t (250t combined lift).
- Base sling angle,  $\alpha$ , 45 degrees or greater.

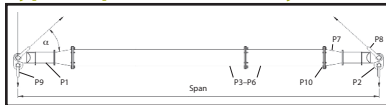
**Table 1: Component List**

Part Ref.	Description	Weight / Item lbs.
P1	End Unit (MOD 400)	1,500
P2	Drop Link (MOD 400)	397
P3	30 ft. Strut	6,558
P4	20 ft. Strut	4,760
P5	10 ft. Strut	2,965
P6	5 ft. Strut	2,072
P7	MOD 1000 Cone Adaptor	1,190
P8	200t Wide Body Shackle	452
P9	125t Wide Body Shackle	203
P10	M24 x 90, 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 use of spreader. Do not rig the lower slings more than 6 degrees from vertical.
- Bolt tightening torque: 184 Pound-Foot. Spanner size required: 36mm.
- Recommended additional equipment: Torque Wrench, Podger Spanner and Ring Spanner.

### Typical Spreader Assembly



P8 represents Modular 400 struts used to create beam spans increased in 1 foot increments.

Mod 400 struts can be inserted between the Mod 1000 Cone Adaptors and the Mod 400 End Units. However, the following restrictions apply:

- \*At least 50% of the spreader must be Mod 1000 struts.
- \*A maximum of 3 Mod 400 struts can be assembled per side.

**Table 2: Load v. Span**

Span (ft)	Base to Sling Angle (BSA) $\alpha$						Recommended Configuration EU – End Unit (3 ft.), CA – Cone Adaptor (2 ft.)						Beam Weight (lbs.)		
	45°		60°		70°		To calculate the WLL at intermediate spans utilising the 1ft strut, round up the span to the next longest span in Table 2, and use the stated WLL.								
	WLL metric tons (tonnes)	Min. top sling length (ft in)	WLL metric tons (tonnes)	Min. top sling length (ft in)	WLL metric tons (tonnes)	Min. top sling length (ft in)	EU	CA	CA	EU	EU				
10	203	4'11"	250	7'11"	250	12'6"	EU	CA	CA	EU	—	5,890			
15	203	9'5"	250	12'11"	250	19'9"	EU	CA	5	CA	EU	—	7,962		
20	203	12'0"	250	17'11"	250	27'1"	EU	CA	10	CA	EU	—	8,855		
25	203	15'6"	250	22'11"	250	34'5"	EU	CA	10	5	CA	EU	—	10,927	
30	203	19'1"	250	27'11"	250	41'8"	EU	CA	20	CA	EU	—	10,650		
35	203	22'7"	250	32'11"	250	49'0"	EU	CA	20	5	CA	EU	—	12,722	
40	203	26'1"	250	37'11"	250	56'4"	EU	CA	20	10	CA	EU	—	13,615	
45	203	29'8"	250	42'11"	250	63'7"	EU	CA	30	5	CA	EU	—	14,520	
50	203	32'2"	250	47'11"	250	71'0"	EU	CA	10	30	CA	EU	—	15,413	
55	203	36'9"	250	52'11"	250	78'3"	EU	CA	10	30	5	CA	EU	—	17,485
60	203	40'4"	250	57'11"	250	85'7"	EU	CA	20	30	CA	EU	—	17,208	
65	203	43'10"	250	62'11"	250	92'10"	EU	CA	20	30	5	CA	EU	—	19,280
70	203	47'5"	250	67'11"	250	100'2"	EU	CA	20	30	10	CA	EU	—	20,173
75	203	50'10"	250	72'11"	250	107'6"	EU	CA	30	30	5	CA	EU	—	21,078
80	203	54'5"	250	77'11"	250	114'9"	EU	CA	30	30	10	CA	EU	—	21,971
85	190	57'11"	250	82'11"	250	122'2"	EU	CA	30	30	10	5	CA	EU	24,043
90	163	61'6"	250	87'11"	250	129'5"	EU	CA	20	30	30	CA	EU	—	23,766
95	130	65'0"	235	92'11"	250	136'8"	EU	CA	20	30	30	5	CA	EU	25,838
100	104	68'7"	190	97'11"	250	144'1"	EU	CA	20	30	30	10	CA	EU	26,731

*Green shading reflects rental inventory.*  
 •Beam weights calculated without top rigging and may vary depending on strut configuration.  
 \*Spans available in 1 foot increments