

## Modular Spreader Beams | 104 - 600 Ton | Mod 1000/600

**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 600t WLL at 80 ft. span (60 degrees Base Sling Angle).
- End Units & Drop Links are rated at 300t (600t combined lift).
- Base sling angle,  $\alpha$ , 45 degrees or greater.

**Table 1: Component List**

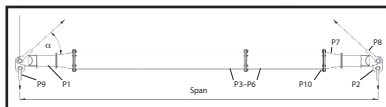
Part Ref:	Description	Weight / Item lbs.
P1	End Unit (MOD 400)	1,500
P2	Drop Link (MOD 400)	397
P3	30 ft. Strut	6558
P4	20 ft. Strut	4760
P5	10 ft. Strut	2965
P6	5 ft. Strut	2072
P7	MOD 1000 Cone Adaptor	1190
P9	400t Wide Body Shackle	1279
P10	300t Wide Body Shackle	794
P10	M24 Bolts, Nuts & Washers	

*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 Unites. 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	CA	EU					
10	444	5'0"	600	7'11"	600	12'6"	EU	CA	CA	EU	—		9,292				
15	444	9'5"	600	12'11"	600	19'9"	EU	CA	5	CA	EU	—		11,364			
20	444	12'0"	600	17'11"	600	27'1"	EU	CA	10	CA	EU	—		12,257			
25	444	15'6"	600	22'11"	600	34'5"	EU	CA	10	5	CA	EU	—		14,229		
30	444	19'1"	600	27'11"	600	41'10"	EU	CA	20	CA	EU	—		14,052			
35	444	22'7"	600	32'11"	600	49'0"	EU	CA	20	5	CA	EU	—		16,124		
40	444	26'2"	600	37'11"	600	56'5"	EU	CA	20	10	CA	EU	—		17,017		
45	444	29'8"	600	42'11"	600	63'7"	EU	CA	30	5	CA	EU	—		17,922		
50	444	33'4"	600	47'11"	600	71'0"	EU	CA	10	30	CA	EU	—		18,815		
55	444	36'9"	600	52'11"	600	78'3"	EU	CA	10	30	5	CA	EU	—		20,887	
60	419	40'4"	600	57'11"	600	85'7"	EU	CA	20	30	CA	EU	—		20,610		
65	364	43'10"	600	62'11"	600	92'10"	EU	CA	20	30	5	CA	EU	—		22,682	
70	316	47'5"	555	67'11"	600	100'2"	EU	CA	20	30	10	CA	EU	—		23,575	
75	272	50'10"	478	72'11"	600	107'6"	EU	CA	30	30	5	CA	EU	—		24,480	
80	231	54'5"	409	77'11"	600	114'9"	EU	CA	30	30	10	CA	EU	—		25,973	
85	190	57'11"	338	82'11"	543	122'2"	EU	CA	30	30	10	5	CA	EU	—		27,445
90	163	61'6"	290	87'11"	468	129'5"	EU	CA	20	30	30	CA	EU	—		27,168	
95	130	65'0"	235	92'11"	380	136'8"	EU	CA	20	30	30	5	CA	EU	—		29,240
100	104	68'7"	190	97'11"	309	144'1"	EU	CA	20	30	30	10	CA	EU	—		30,133

*Green shading reflects rental inventory.*

*•Beam weights calculated without top rigging and may vary depending on strut configuration.*

*\*Spans available in 1 foot increments*