

## Modular Spreader Beams | 47 - 600 Ton | Mod 400/600

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

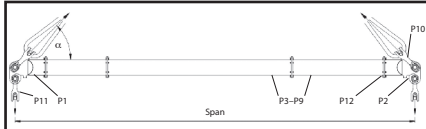
**Table 1: Component List**

Part Ref:	Description	Weight / Item lbs.
P1	End Unit (300 metric tons)	1,261
P2	Drop Link (300 metric tons)	331
P3	20 ft. Strut	3,049
P4	10 ft. Strut	1,744
P5	5 ft. Strut	1,094
P6	4 ft. Strut	963
P7	3 ft. Strut	832
P8	2 ft. Strut	701
P9	1 ft. Strut	571
P10	400t Widebody Shackle	1,279
P11	300t Widebody Shackle	794
P12	M24x90 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



**Table 2: Load v. Span**

Span (ft)	Base to Sling Angle (BSA) $\alpha$						Recommended Configuration EU – End Unit (3 ft.)					Beam Weight (lbs.)				
	45°		60°		70°											
	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)										
6	449	2'1"	600	3'11"	600	6'8"	EU	EU	—			6,957				
8	449	3'7"	600	5'11"	600	9'7"	EU	2	EU	—			7,658			
10	449	5'0"	600	7'11"	600	12'6"	EU	4	EU	—			7,920			
12	449	6'5"	600	9'11"	600	15'5"	EU	5	1	EU	—		8,663			
14	449	7'10"	600	11'11"	600	18'5"	EU	5	3	EU	—		8,924			
16	449	9'2"	600	13'11"	600	21'4"	EU	5	5	EU	—		9,184			
18	449	10'7"	600	15'11"	600	24'2"	EU	10	2	EU	—		9,357			
20	449	12'0"	600	17'11"	600	27'1"	EU	10	4	EU	—		9,664			
22	449	13'6"	600	19'11"	600	30'1"	EU	1	10	5	EU	—		10,407		
24	449	14'11"	600	21'11"	600	33'0"	EU	3	10	5	EU	—		10,668		
26	445	16'4"	600	23'11"	600	35'11"	EU	5	10	5	EU	—		10,928		
28	427	17'8"	600	25'11"	600	38'10"	EU	2	10	10	EU	—		11,101		
30	408	19'1"	600	27'11"	600	41'10"	EU	4	10	10	EU	—		11,408		
32	393	20'6"	600	29'11"	600	44'8"	EU	5	20	1	EU	—		11,712		
34	372	21'11"	600	31'11"	600	47'7"	EU	5	20	3	EU	—		11,973		
36	351	23'5"	600	33'11"	600	50'6"	EU	10	20	EU	EU	—		11,705		
38	327	24'10"	569	35'11"	600	53'6"	EU	10	20	2	EU	—		12,406		
40	304	26'2"	530	37'11"	600	56'5"	EU	10	20	4	EU	—		12,713		
42	280	27'7"	488	39'11"	600	59'4"	EU	1	10	20	5	EU	—		13,456	
44	258	29'0"	450	41'11"	600	62'2"	EU	3	10	20	5	EU	—		13,717	
46	240	30'5"	419	43'11"	600	65'1"	EU	10	20	10	EU	—		13,449		
48	218	31'10"	381	45'11"	600	68'1"	EU	10	20	10	2	EU	—		14,150	
50	201	33'4"	352	47'11"	562	71'0"	EU	20	20	4	EU	—		14,018		
52	183	34'8"	320	49'11"	511	73'11"	EU	1	20	20	5	EU	—		14,761	
54	166	36'1"	291	51'11"	465	76'10"	EU	3	20	20	5	EU	—		15,022	
56	150	37'6"	264	53'11"	422	79'10"	EU	5	20	20	5	EU	—		15,282	
58	137	38'11"	241	55'11"	386	82'8"	EU	2	10	20	20	EU	—		15,455	
60	123	40'4"	218	57'11"	349	85'7"	EU	4	10	20	20	EU	—		15,762	
62	110	41'8"	195	59'11"	314	88'6"	EU	1	10	20	20	5	EU	—		16,505
64	99	43'2"	176	61'11"	283	91'6"	EU	3	10	20	20	5	EU	—		16,766
66	90	44'7"	160	63'11"	258	94'5"	EU	10	20	20	10	EU	—		16,498	
68	82	46'0"	147	65'11"	237	97'4"	EU	20	20	20	2	EU	—		16,760	
70	74	47'5"	133	67'11"	214	100'2"	EU	20	20	20	4	EU	—		17,067	
72	66	48'10"	119	69'11"	193	103'2"	EU	1	20	20	20	5	EU	—		17,810
74	59	50'2"	107	71'11"	174	106'1"	EU	3	20	20	20	5	EU	—		18,071
76	53	51'7"	97	73'11"	159	109'0"	EU	20	20	20	10	EU	—		17,803	
78	47	53'1"	87	75'11"	142	111'11"	EU	20	20	20	10	2	EU	—		18,504

Green shading reflects rental inventory.  
 •Beam weights calculated without top rigging.  
 \* Spans available in 1 foot increments