

Modular Spreader Beams | 47 - 300 Ton | Mod 400/300

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 300t WLL at 52 ft. span (60 degrees Base Sling Angle).
- End Units & Drop Links are rated at 150t (300t combined lift).
- Base sling angle, α , 45 degrees or greater.

Table 1: Component List

Part Ref:	Description	Weight / Item (lbs)
P1	End Unit WLL 150t	1,500
P2	Drop Link WLL 150t	397
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	200t Widebody Shackle	452
P11	150t Shackle	309
P12	M 24x90 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.

Table 2: Load v. Span

Span (ft)	Base to Sling Angle (BSA) α						Recommended Configuration EU – End Unit (3 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	EU	EU	EU	EU			
6	209	2'1"	300	3'11"	300	6'7"	EU	EU	—	—	—	3,738		
8	209	3'6"	300	5'11"	300	9'7"	EU	2	EU	—	—	4,439		
10	209	4'11"	300	7'11"	300	12'6"	EU	4	EU	—	—	4,746		
12	209	6'4"	300	9'11"	300	15'5"	EU	5	1	EU	—	5,489		
14	209	7'10"	300	11'11"	300	18'4"	EU	5	3	EU	—	5,750		
16	209	9'2"	300	13'11"	300	21'2"	EU	5	5	EU	—	6,010		
18	209	10'7"	300	15'11"	300	24'2"	EU	10	2	EU	—	6,183		
20	209	12'0"	300	17'11"	300	27'1"	EU	10	4	EU	—	6,490		
22	209	13'5"	300	19'11"	300	30'0"	EU	1	10	5	EU	—	7,233	
24	209	14'10"	300	21'11"	300	32'11"	EU	3	10	5	EU	—	7,494	
26	209	16'2"	300	23'11"	300	35'11"	EU	5	10	5	EU	—	7,754	
28	209	17'8"	300	25'11"	300	38'10"	EU	2	10	10	EU	—	7,927	
30	209	19'1"	300	27'11"	300	41'8"	EU	4	10	10	EU	—	8,234	
32	209	20'6"	300	29'11"	300	44'7"	EU	5	20	1	EU	—	8,538	
34	209	21'11"	300	31'11"	300	47'7"	EU	5	20	3	EU	—	8,799	
36	209	23'4"	300	33'11"	300	50'6"	EU	10	20	EU	EU	—	8,531	
38	209	24'8"	300	35'11"	300	53'5"	EU	10	20	2	EU	—	9,232	
40	209	26'1"	300	37'11"	300	56'4"	EU	10	20	4	EU	—	9,539	
42	209	27'7"	300	39'11"	300	59'4"	EU	1	10	20	5	EU	—	10,282
44	209	29'0"	300	41'11"	300	62'2"	EU	3	10	20	5	EU	—	10,543
46	209	30'5"	300	43'11"	300	65'1"	EU	10	20	10	EU	—	10,275	
48	209	31'10"	300	45'11"	300	68'0"	EU	10	20	10	2	EU	—	10,976
50	201	33'2"	300	47'11"	300	71'0"	EU	20	20	4	EU	—	10,844	
52	183	34'7"	300	49'11"	300	73'11"	EU	1	20	20	5	EU	—	11,587
54	166	36'0"	291	51'11"	300	76'10"	EU	3	20	20	5	EU	—	11,848
56	150	37'6"	264	53'11"	300	79'8"	EU	5	20	20	5	EU	—	12,108
58	137	38'11"	241	55'11"	300	82'7"	EU	2	10	20	20	EU	—	12,281
60	123	40'4"	218	57'11"	300	85'7"	EU	4	10	20	20	EU	—	12,588
62	110	41'8"	195	59'11"	300	88'6"	EU	1	10	20	20	5	EU	13,331
64	99	43'1"	176	61'11"	283	91'5"	EU	3	10	20	20	5	EU	13,592
66	90	44'6"	160	63'11"	258	94'4"	EU	10	20	20	10	EU	—	13,324
68	82	45'11"	147	65'11"	237	97'4"	EU	20	20	20	2	EU	—	13,586
70	74	47'5"	133	67'11"	214	100'2"	EU	20	20	20	4	EU	—	13,893
72	66	48'10"	119	69'11"	193	103'1"	EU	1	20	20	20	5	EU	14,636
74	59	50'2"	107	71'11"	174	106'0"	EU	3	20	20	20	5	EU	14,897
76	53	51'7"	97	73'11"	159	109'0"	EU	20	20	20	10	EU	—	14,629
78	47	53'0"	87	75'11"	142	111'11"	EU	20	20	20	10	2	EU	15,330

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

Typical Spreader Assembly

