



THE LIFTING EXPERTS

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Modular Spreader Beams | 111 - 170 Ton | Mod 400/110H

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 170t WLL at 64 ft. span. See Load Table for WLL at spans greater than 64 ft.
- Base sling angle, α , 45 degrees or greater.
- End Units & Drop Links are rated at 85t (170t combined capacity).
- Bolt tightening torque: 184 pound-foot (M24); 110 pound-foot (M20)

Table 1: Component List		
Part Ref:	Description	Weight / Item lbs.
P1	End Unit (MOD 110H)	384
P2	Drop Link (MOD 110H)	171
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	Mod 400/110 Cone Adaptor	441
P11	120t Bolt Shackle	243
P12	85t Bolt Shackle	137
P13	Mod 400: M24x90 Bolts, Nuts & Washers Mod 110: M20x65 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. Do not rig the lower slings more than 6 degrees from vertical

Typical Spreader Assembly

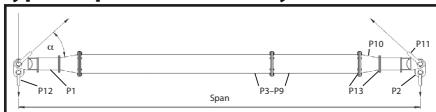


Table 2: Load v. Span																
Span (ft)	Base to Sling Angle (BSA) α						Recommended Configuration EU - End Unit (3ft), CA - Cone Adaptor (2ft)						Beam Weight (lbs.)			
	45°		60°		70°		To calculate the WLL at intermediate spans utilising the 1ft strut, round up the span to the next longest 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		CA		
6	161	2'10"	170	4'7"	170	7'5"	EU	EU						1,914		
10	161	5'8"	170	8'7"	170	13'2"	EU	CA	CA	EU				2,730		
12	161	7'1"	170	10'7"	170	16'1"	EU	CA	2	CA	EU			3,446		
14	161	8'6"	170	12'7"	170	19'0"	EU	CA	4	CA	EU			3,610		
16	161	9'11"	170	14'7"	170	22'0"	EU	CA	5	1	CA	EU		4,409		
18	161	11'4"	170	16'7"	170	24'11"	EU	CA	5	3	CA	EU		4,656		
20	161	12'8"	170	18'7"	170	27'10"	EU	CA	10	CA	EU			4,392		
22	161	14'1"	170	20'7"	170	30'8"	EU	CA	10	2	CA	EU		5,108		
24	161	15'7"	170	22'7"	170	33'8"	EU	CA	10	4	CA	EU		5,272		
26	161	17'0"	170	24'7"	170	36'7"	EU	CA	5	10	1	CA	EU	6,071		
28	161	18'5"	170	26'7"	170	39'6"	EU	CA	5	10	3	CA	EU	6,318		
30	161	19'10"	170	28'7"	170	42'5"	EU	CA	20	CA	EU			5,695		
32	161	21'2"	170	30'7"	170	45'5"	EU	CA	20	2	CA	EU		6,411		
34	161	22'7"	170	32'7"	170	48'4"	EU	CA	20	4	CA	EU		6,575		
36	161	24'0"	170	34'7"	170	51'2"	EU	CA	5	20	1	CA	EU	7,374		
38	161	25'6"	170	36'7"	170	54'1"	EU	CA	5	20	3	CA	EU	7,621		
40	161	26'11"	170	38'7"	170	57'1"	EU	CA	10	20	CA	EU		7,357		
42	161	28'4"	170	40'7"	170	60'0"	EU	CA	10	20	2	CA	EU	8,073		
44	161	29'8"	170	42'7"	170	62'11"	EU	CA	10	20	4	CA	EU	8,237		
46	161	31'1"	170	44'7"	170	65'10"	EU	CA	10	20	5	1	CA	EU	9,036	
48	161	32'6"	170	46'7"	170	68'10"	EU	CA	10	20	5	3	CA	EU	9,283	
50	161	33'11"	170	48'7"	170	71'8"	EU	CA	20	20	CA	EU		8,660		
52	161	35'5"	170	50'7"	170	74'7"	EU	CA	20	20	2	CA	EU	9,376		
54	161	36'10"	170	52'7"	170	77'6"	EU	CA	20	20	4	CA	EU	9,540		
56	150	38'2"	170	54'7"	170	80'5"	EU	CA	1	20	20	5	CA	EU	10,339	
58	137	39'7"	170	56'7"	170	83'5"	EU	CA	3	20	20	5	CA	EU	10,586	
60	123	41'0"	170	58'7"	170	86'4"	EU	CA	20	20	10	CA	EU	10,322		
62	110	42'5"	170	60'7"	170	89'3"	EU	CA	10	20	20	2	CA	EU	11,038	
64	99	43'10"	170	62'7"	170	92'2"	EU	CA	10	20	20	4	CA	EU	11,202	
66	90	45'3"	160	64'7"	170	95'7"	EU	CA	10	20	20	1	5	CA	EU	12,001
68	82	46'8"	147	66'7"	170	98'0"	EU	CA	10	20	20	3	5	CA	EU	12,248
70	74	48'1"	133	68'7"	170	101'0"	EU	CA	20	20	20	CA	EU		11,625	
72	66	49'6"	119	70'7"	170	103'10"	EU	CA	20	20	20	2	CA	EU	12,341	
74	59	50'11"	107	72'7"	170	106'9"	EU	CA	20	20	20	4	CA	EU	12,505	
76	53	52'4"	97	74'7"	159	109'8"	EU	CA	1	20	20	20	5	CA	EU	13,304
78	47	53'9"	87	76'7"	142	112'7"	EU	CA	3	20	20	20	5	CA	EU	13,542

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 •Beam weights calculated without top rigging
 *Spans available in 1 foot increments.

