

Modular Spreader Beams | 47 - 250 Ton | Mod 400/250

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)								
6	209	2'1"	250	3'11"	250	6'7"	EU	EU	—		3,717			
8	209	3'6"	250	5'11"	250	9'7"	EU	2	EU	—		4,418		
10	209	4'11"	250	7'11"	250	12'6"	EU	4	EU	—		4,680		
12	209	6'4"	250	9'11"	250	15'5"	EU	5	1	EU	—	5,423		
14	209	7'10"	250	11'11"	250	18'4"	EU	5	3	EU	—	5,684		
16	209	9'2"	250	13'11"	250	21'2"	EU	5	5	EU	—	5,944		
18	209	10'7"	250	15'11"	250	24'2"	EU	10	2	EU	—	6,117		
20	209	12'0"	250	17'11"	250	27'1"	EU	10	4	EU	—	6,424		
22	209	13'5"	250	19'11"	250	30'0"	EU	1	10	5	EU	—	7,167	
24	209	14'10"	250	21'11"	250	32'11"	EU	3	10	5	EU	—	7,428	
26	209	16'2"	250	23'11"	250	35'11"	EU	5	10	5	EU	—	7,688	
28	209	17'8"	250	25'11"	250	38'10"	EU	2	10	10	EU	—	7,861	
30	209	19'1"	250	27'11"	250	41'8"	EU	4	10	10	EU	—	8,168	
32	209	20'6"	250	29'11"	250	44'7"	EU	5	20	1	EU	—	8,472	
34	209	21'11"	250	31'11"	250	47'7"	EU	5	20	3	EU	—	8,733	
36	209	23'4"	250	33'11"	250	50'6"	EU	10	20	EU	—	8,465		
38	209	24'8"	250	35'11"	250	53'5"	EU	10	20	2	EU	—	9,166	
40	209	26'1"	250	37'11"	250	56'4"	EU	10	20	4	EU	—	9,473	
42	209	27'7"	250	39'11"	250	59'4"	EU	1	10	20	5	EU	—	10,216
44	209	29'0"	250	41'11"	250	62'2"	EU	3	10	20	5	EU	—	10,477
46	209	30'5"	250	43'11"	250	65'1"	EU	10	20	10	EU	—	10,209	
48	209	31'10"	250	45'11"	250	68'0"	EU	10	20	10	2	EU	—	10,910
50	201	33'2"	250	47'11"	250	71'0"	EU	20	20	4	EU	—	10,778	
52	183	34'7"	250	49'11"	250	73'11"	EU	1	20	20	5	EU	—	11,521
54	166	36'0"	250	51'11"	250	76'10"	EU	3	20	20	5	EU	—	11,782
56	150	37'6"	250	53'11"	250	79'8"	EU	5	20	20	5	EU	—	12,042
58	137	38'11"	241	55'11"	250	82'7"	EU	2	10	20	20	EU	—	12,215
60	123	40'4"	218	57'11"	250	85'7"	EU	4	10	20	20	EU	—	12,522
62	110	41'8"	195	59'11"	250	88'6"	EU	1	10	20	20	5	EU	13,265
64	99	43'1"	176	61'11"	250	91'5"	EU	3	10	20	20	5	EU	13,526
66	90	44'6"	160	63'11"	250	94'4"	EU	10	20	20	10	EU	—	13,258
68	82	45'11"	147	65'11"	237	97'4"	EU	20	20	20	2	EU	—	13,520
70	74	47'5"	133	67'11"	214	100'2"	EU	20	20	20	4	EU	—	13,827
72	66	48'10"	119	69'11"	193	103'1"	EU	1	20	20	20	5	EU	14,570
74	59	50'2"	107	71'11"	174	106'0"	EU	3	20	20	20	5	EU	14,831
76	53	51'7"	97	73'11"	159	109'0"	EU	20	20	20	10	EU	—	14,563
78	47	53'0"	87	75'11"	142	111'11"	EU	20	20	20	10	2	EU	15,264

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 56 ft. span (60 degrees Base Sling Angle).
- End Units & Drop Links are rated at 125t (250t combined lift).
- Base sling angle, α, 45 degrees or greater.

Table 1: Component List		
Part Ref:	Description	Weight / Item (lbs)
P1	End Unit WLL 125t	1,500
P2	Drop Link WLL 125t	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 Wide Body Shackle	452
P11	125t Wide Body Shackle	203
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 safe 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.

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

Typical Spreader Assembly

