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

Table 2: Load v. Span

Span (ft)	Base to Sling Angle (BSA) α						Recommended Configuration EU – End Unit (3 ft.) To calculate the WLL at intermediate spans utilising the 1 ft strut, round up the span to the next longest span in Table 2, and use the stated WLL.							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"	700	3'11"	700	6'8"	EU	EU	—					7,621
8	449	3'7"	700	5'11"	700	9'7"	EU	2	EU	—				8,322
10	449	5'0"	700	7'11"	700	12'6"	EU	4	EU	—				8,584
12	449	6'5"	700	9'11"	700	15'5"	EU	5	1	EU	—			9,327
14	449	7'10"	700	11'11"	700	18'5"	EU	5	3	EU	—			9,588
16	449	9'2"	700	13'11"	700	21'4"	EU	5	5	EU	—			9,848
18	449	10'7"	700	15'11"	700	24'2"	EU	10	2	EU	—			10,021
20	449	12'0"	700	17'11"	700	27'1"	EU	10	4	EU	—			10,328
22	449	13'6"	700	19'11"	700	30'1"	EU	1	10	5	EU	—		11,071
24	449	14'11"	700	21'11"	700	33'0"	EU	3	10	5	EU	—		11,332
26	445	16'4"	700	23'11"	700	35'11"	EU	5	10	5	EU	—		11,592
28	427	17'8"	700	25'11"	700	38'10"	EU	2	10	10	EU	—		11,765
30	408	19'1"	700	27'11"	700	41'10"	EU	4	10	10	EU	—		12,072
32	393	20'6"	684	29'11"	700	44'8"	EU	5	20	1	EU	—		12,376
34	327	21'11"	647	3'11"	700	47'7"	EU	5	20	3	EU	—		12,637
36	351	23'5"	611	33'11"	700	50'6"	EU	10	20	EU	EU	—		12,369
38	327	24'10"	569	35'11"	700	53'6"	EU	10	20	2	EU	—		13,070
40	304	26'2"	530	37'11"	700	56'5"	EU	10	20	4	EU	—		13,377
42	280	27'7"	488	39'11"	700	59'4"	EU	1	10	20	5	EU	—	14,120
44	258	29'0"	450	41'11"	700	62'2"	EU	3	10	20	5	EU	—	14,381
46	240	30'5"	419	43'11"	667	65'1"	EU	10	20	10	EU	—		14,113
48	218	31'10"	381	45'11"	608	68'1"	EU	10	20	10	2	EU	—	14,814
50	201	33'4"	352	47'11"	562	71'0"	EU	20	20	4	EU	—		14,682
52	183	34'8"	320	49'11"	511	73'11"	EU	1	20	20	5	EU	—	15,425
54	166	36'1"	291	51'11"	465	76'10"	EU	3	20	20	5	EU	—	15,686
56	150	37'6"	264	53'11"	422	79'10"	EU	5	20	20	5	EU	—	15,946
58	137	38'11"	241	55'11"	386	82'8"	EU	2	10	20	20	EU	—	16,119
60	123	40'4"	218	57'11"	349	85'7"	EU	4	10	20	20	EU	—	16,426
62	110	41'8"	195	59'11"	314	88'6"	EU	1	10	20	20	5	EU	17,169
64	99	43'2"	176	61'11"	283	91'6"	EU	3	10	20	20	5	EU	17,430
66	90	44'7"	160	63'11"	258	94'5"	EU	10	20	20	10	EU	—	17,162
68	82	46'0"	147	65'11"	237	97'4"	EU	20	20	20	2	EU	—	17,424
70	74	47'5"	133	67'11"	214	100'2"	EU	20	20	20	4	EU	—	17,731
72	66	48'10"	119	69'11"	193	103'2"	EU	1	20	20	20	5	EU	18,474
74	59	50'2"	107	71'11"	174	106'1"	EU	3	20	20	20	5	EU	18,735
76	53	51'7"	97	73'11"	159	109'0"	EU	20	20	20	10	EU	—	18,467
78	47	53'1"	87	75'11"	142	111'11'	EU	20	20	20	10	2	EU	19,213

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

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 700t WLL at 28 ft. span (60 degrees Base Slinge Angle).
- End Units & Drop Links are rated at 350t (700t combined lift).
- Base sling angle, α, 45 degrees or greater.

Table 1: Component List

Part Ref:	Description	Weight / Item lbs.
P1	End Unit (WLL 350t)	1,500
P2	Drop Link (WLL 350t)	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	400t Wide Body Shackle	1279
P11	400t Wide Body Shackle	1279
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