

Modular Spreader Beams | 10 - 50 Tonnes | Mod 50

NOTE:

Top Slings shall be properly load-rated based on the specified angle used. LGH top sling inventory is based on Hire Center location availability.

- Rated at 50t SWL at 8m span (60 degrees Included Sling Angle). See Load Table for SWL at spans greater than 8m.
- Included Sling Angle, θ , 90 degrees or less.
- End Units & Drop Links are rated at 25t (50t combined capacity).
- Bolt tightening torque: 150Nm.

Table 1: Component List

Part Ref:	Description	Item Weight (kg)
P1	End Unit (0.5m)	38
P2	Drop Link	11
P3	4.0m Strut	140
P4	2.0m Strut	82
P5	1.0m Strut	53
P6	0.5m Strut	38
P7	35t Shackle	20
P8	25t Shackle	14
P9	M20x65 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

Table 2: Load v. Span

Span (m)	Included Sling Angle (ISA) θ						Recommended Configuration EU - End Unit (0.5 m)							Beam Weight (kg)
	90°		60°		40°									
	SWL (t)	Min. top sling length (m)	SWL (t)	Min. top sling length (m)	SWL (t)	Min. top sling length (m)								
1.0	50	0.5	50	0.8	50	1.3	EU	EU	—				166	
1.5	50	0.9	50	1.3	50	2.0	EU	0.5	EU	—			204	
2.0	50	1.2	50	1.8	50	2.7	EU	1	EU	—			219	
2.5	50	1.6	50	2.3	50	3.5	EU	1	0.5	EU	—		257	
3.0	50	1.9	50	2.8	50	4.2	EU	2	EU	—			248	
3.5	50	2.3	50	3.3	50	4.9	EU	2	0.5	EU	—		286	
4.0	50	2.7	50	3.8	50	5.7	EU	2	1	EU	—		301	
4.5	50	3.0	50	4.3	50	6.4	EU	0.5	2	1	EU	—	339	
5.0	50	3.4	50	4.8	50	7.1	EU	2	2	EU	—		330	
5.5	50	3.7	50	5.3	50	7.9	EU	2	2	0.5	EU	—	368	
6.0	50	4.1	50	5.8	50	8.6	EU	2	2	1	EU	—	383	
6.5	44	4.4	50	6.3	50	9.3	EU	0.5	2	2	1	EU	—	421
7.0	39	4.8	50	6.8	50	10.1	EU	2	2	2	EU	—		412
7.5	34	5.1	50	7.3	50	10.8	EU	0.5	2	2	2	EU	—	450
8.0	30	5.5	50	7.8	50	11.5	EU	2	2	2	1	EU	—	465
8.5	26	5.8	46	8.3	50	12.3	EU	0.5	1	4	2	EU	—	479
9.0	24	6.2	42	8.8	50	13.0	EU	4	4	EU	—			446
9.5	21	6.5	37	9.3	50	13.7	EU	4	4	0.5	EU	—		484
10.0	19	6.9	34	9.8	50	14.4	EU	4	4	1	EU	—		499
10.5	17	7.2	30	10.3	48	15.2	EU	1	4	4	0.5	EU	—	537
11.0	15	7.6	26	10.8	43	15.9	EU	2	4	4	EU	—		528
11.5	14	8.0	24	11.3	39	16.6	EU	4	4	2	0.5	EU	—	566
12.0	12	8.3	22	11.8	35	17.4	EU	4	4	2	1	EU	—	581
12.5	11	8.7	19	12.3	31	18.1	EU	4	4	2	1	0.5	EU	619
13.0	10	9.0	18	12.8	28	18.8	EU	4	4	2	2	EU	—	610

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*Beam weights calculated without top rigging

Typical Spreader Assembly

