

Modular Spreader Beams | 35 - 170 Tonnes | Mod 110H

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 170t SWL at 11.5m span (60 degrees Included Sling Angle). See Load Table for SWL at spans greater than 11.5m.
- Included Sling Angle, θ , 90 degrees or less.
- End Units & Drop Links are rated at 85t (170t combined capacity).
- Bolt tightening torque: 150Nm.

Table 1: Component List

Part Ref:	Description	Item Weight (kg)
P1	End Unit (1.0m)	178
P2	Drop Link	55
P3	4.0m Strut	367
P4	2.0m Strut	212
P5	1.0m Strut	134
P6	0.5m Strut	96
P7	120t Shackle	110
P8	85t Shackle	62
P9	M20x65 HT Bolts, Nuts & Washers	

Green shading reflects rental inventory.
**Beam weights calculated without top rigging.*

- Max number of struts allowed in spreader assembly: 6
- 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.

Table 2: Load v. Span

Span (m)	Included Sling Angle (ISA) θ						Recommended Configuration EU - End Unit (1m)						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)													
2.0	167	1.0	170	1.6	170	2.5	EU	EU	—				810						
2.5	167	1.4	170	2.1	170	3.3	EU	0.5	EU	—				906					
3.0	167	1.7	170	2.6	170	4.0	EU	1	EU	—				944					
3.5	167	2.1	170	3.1	170	4.7	EU	1	0.5	EU	—				1,040				
4.0	167	2.4	170	3.6	170	5.5	EU	2	EU	—				1,022					
4.5	167	2.8	170	4.1	170	6.2	EU	2	0.5	EU	—				1,118				
5.0	167	3.1	170	4.6	170	6.9	EU	2	1	EU	—				1,156				
5.5	167	3.5	170	5.1	170	7.6	EU	0.5	2	1	EU	—				1,252			
6.0	167	3.8	170	5.6	170	8.4	EU	2	2	EU	—				1,234				
6.5	167	4.2	170	6.1	170	9.1	EU	2	2	0.5	EU	—				1,330			
7.0	167	4.6	170	6.6	170	9.8	EU	2	2	1	EU	—				1,368			
7.5	167	4.9	170	7.1	170	10.6	EU	0.5	2	2	1	EU	—				1,464		
8.0	167	5.3	170	7.6	170	11.3	EU	2	2	2	EU	—				1,446			
8.5	158	5.6	170	8.1	170	12.0	EU	0.5	2	2	2	EU	—				1,542		
9.0	146	6.0	170	8.6	170	12.8	EU	2	2	2	1	EU	—				1,580		
9.5	134	6.3	170	9.1	170	13.5	EU	0.5	1	4	2	EU	—				1,676		
10.0	126	6.7	170	9.6	170	14.2	EU	4	4	EU	—				1,544				
10.5	116	7.0	170	10.1	170	15.0	EU	4	4	0.5	EU	—				1,640			
11.0	107	7.4	170	10.6	170	15.7	EU	4	4	1	EU	—				1,678			
11.5	98	7.7	170	11.1	170	16.4	EU	0.5	4	4	1	EU	—				1,774		
12.0	91	8.1	160	11.6	170	17.1	EU	2	4	4	EU	—				1,756			
12.5	84	8.4	147	12.1	170	17.9	EU	2	4	4	0.5	EU	—				1,852		
13.0	78	8.8	137	12.6	170	18.6	EU	2	4	4	1	EU	—				1,890		
13.5	72	9.1	126	13.1	170	19.3	EU	2	4	4	1	0.5	EU	—				1,986	
14.0	67	9.5	117	13.6	170	20.1	EU	4	4	4	EU	—				1,911			
14.5	61	9.9	108	14.1	170	20.8	EU	0.5	4	4	4	EU	—				2,007		
15.0	57	10.2	100	14.6	159	21.5	EU	4	4	4	1	EU	—				2,045		
15.5	52	10.6	92	15.1	147	22.3	EU	0.5	4	4	4	1	EU	—				2,141	
16.0	48	10.9	85	15.6	137	23.0	EU	4	4	4	2	EU	—				2,123		
16.5	44	11.3	79	16.1	126	23.7	EU	4	4	4	2	0.5	EU	—				2,219	
17.0	41	11.6	73	16.6	117	24.5	EU	4	4	4	2	1	EU	—				2,257	
17.5	38	12.0	67	17.1	108	25.2	EU	4	4	4	2	1	0.5	EU	—				2,353
18.0	35	12.3	60	17.6	101	25.9	EU	4	4	4	4	EU	—				2,278		

Green shading reflects rental inventory. | **Beam weights calculated without top rigging*
**Spans available in 0.5 metre increments*

Typical Spreader Assembly

