



LIFTING GEAR HIRE CORPORATION

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Modular 110H - Beam Specifications Modular Spreader Beams

- Rated at 170 ton WLL at 28 ft. span. See Load Table for WLL at spans greater than 28 ft.
- Base sling angle, ∞ , 60 degrees or greater.
- End Units & Drop Links are rated at 85 tons (170 tons combined capacity).
- Bolt tightening torque: 110 pound-foot.

Table 1: Component List		
Part Ref:	Description	Weight/Item
P1	End Unit (3 ft.)	375 lbs.
P2	Drop Link	163 lbs.
P3	20 ft. Strut	1170 lbs.
P3	10 ft. Strut	650 lbs.
P3	8 ft. Strut	540 lbs.
P3	6 ft. Strut	440 lbs.
P3	4 ft. Strut	345 lbs.
P3	2 ft. Strut	230 lbs.
P4	120t Shackle	260 lbs.
P5	85t Shackle	137 lbs.
P6	M20x65 HT Bolts, Nuts & Washers	—

- 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							
60° BSA			Recommended Configuration EU – End Unit (3 ft.)				
Span (ft.)	WLL (tons)	Min. Sling Length (ft.)					
6	170	6	EU	EU	—	—	—
8	170	8	EU	2	EU	—	—
10	170	10	EU	4	EU	—	—
12	170	12	EU	6	EU	—	—
14	170	14	EU	8	EU	—	—
16	170	16	EU	10	EU	—	—
18	170	18	EU	10	2	EU	—
20	170	20	EU	10	4	EU	—
22	170	22	EU	10	6	EU	—
24	170	24	EU	10	8	EU	—
26	170	26	EU	20	EU	—	—
28	170	28	EU	20	2	EU	—
30	166	30	EU	20	4	EU	—
32	154	32	EU	20	6	EU	—
34	141	34	EU	20	8	EU	—
36	130	36	EU	20	10	EU	—
38	116	38	EU	20	10	2	EU
40	105	40	EU	20	10	4	EU
42	95	42	EU	20	10	6	EU
44	88	44	EU	20	10	8	EU
46	82	46	EU	20	20	EU	—
48	72	48	EU	20	20	2	EU
50	65	50	EU	20	20	4	EU
52	59	52	EU	20	20	6	EU

Typical Spreader Assembly

