



Modulyft Spreader Beams

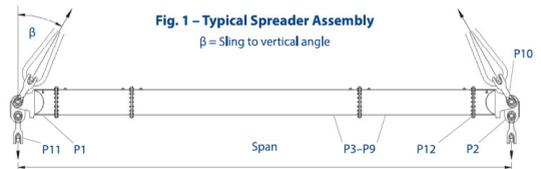
MOD800X/1500 Spreader Beams

- Rated at 1500t WLL at 20m span (30° STV)
- 'Sling to Vertical' angle, 30° or less
- End Units and Drop Links are rated at 750t WLL each

Please refer to the table below for load ratings at alternative sling to vertical (STV) angles and beam lengths.

Span (m)	MOD 800X/1500			
	Sling to Vertical Angle (STV)			
	30°		25°	
	WLL (t)	Min. Top Sling Length (m)	WLL (t)	Min. Top Sling Length (m)
2	1500	1.5	1500	2.4
3	1500	2.5	1500	3.5
4	1500	3.5	1500	4.7
5	1500	4.5	1500	5.9
6	1500	5.5	1500	7.1
7	1500	6.5	1500	8.3
8	1500	7.5	1500	9.5
9	1500	8.5	1500	10.6
10	1500	9.5	1500	11.8
11	1500	10.5	1500	13.0
12	1500	11.5	1500	14.2
13	1500	12.5	1500	15.4
14	1500	13.5	1500	16.6
15	1500	14.5	1500	17.7
16	1500	15.5	1500	18.9
17	1500	16.5	1500	20.1
18	1500	17.5	1500	21.3
19	1500	18.5	1500	22.5
20	1500	19.5	1500	23.7
21	1395	20.5	1500	24.8
22	1305	21.5	1500	26.0
23	1200	22.5	1411	27.2
24	1110	23.5	1305	28.4
25	1045	24.5	1229	29.6
26	985	25.5	1158	30.8
27	915	26.5	1076	31.9
28	845	27.5	994	33.1

MOD 800X/1500			
Product Code	Model	Description	Weight item (kg)
H050228015	P1	End Unit WLL 750t	1050
H050238000	P2	Drop Link WLL750t	920
H050258006	P3	6.0m Strut	3175
-	P4	5.0m Strut	2715
H050258004	P5	4.0m Strut	2250
H050258003	P6	3.0m Strut	1785
H050258002	P7	2.0m Strut	1325
H050258001	P8	1.0m Strut	865
H050258000.5	P9	0.5m Strut	630
H55221000	P10	1000t Wide Body Shackle	2970
H550220800	P11	800t Wide Body Shackle	1430
H050290100	P12	M24 x 100 Grade 10.9 HT Bolts, Nuts & Washers	



Assembly Procedure

- Check the ID plates on each Modulift component to ensure the correct size is used.
- Lay out the Struts and End Units in the correct configuration, laid on flats to prevent rolling.
- Check that all pairs of flanges are clear from debris, sand etc. before connection.
- Bolt the components together using bolts, nuts & washers provided. Tighten the bolts to a torque as shown below, 24 bolts per connection. The number and grade of bolts is critical for the safe use of the spreader particularly at longer spans.
- Place drop link inside the jaw of an end unit, with the larger hole of drop link lined up with the End Unit hole.
- Place a top sling onto the body of a top shackle, and put jaw of top shackle over the end unit jaw.
- Put top shackle pin through shackle, end unit jaw and drop link, and repeat for other spreader beam end.
- Attach free ends of top slings to crane hook.
- Attach lower slings and shackles to lower holes of drop links, and attach them to the load to be lifted.
- The assembled spreader beam and lifting rig must be thoroughly checked by a competent person prior to lifting.

Do's & Don'ts

- Do ensure to load the spreader through the drop links only.
- Do keep the loaded spreader clear of obstacles – any contact could cause beam failure.
- Do ensure correct use of appropriate top slings, do not twist any slings unnecessarily.
- Do not hang any load from the spreader tube or flanges.
- Do not exceed stated WLL for that particular span
- Do not rig the lower slings more than 6 degrees from vertical.
- When moving or positioning long struts or assemblies use tag lines to control movement.
- Individual components can be heavy and extreme care must be taken if manual handling

Recommended top sling types:

Textile slings, wire rope slings with soft eyes and chain slings with small end fittings. If thimble eyes are used with wire rope slings, make sure sling angle is 30 degrees or less. Other types exist but not all are suitable due to end fitting size, particularly larger capacity chain hook and thimble eyes.

MOD 800X/1500 Beam Specification

- Rated at 1500 tonnes WLL at 20 metres span (30° STV). See Load Table for SWL at longer spans.
- 'Sling to Vertical' angle, β , 30 degrees or less.
- End Units & Drop Links are rated at 750 tonnes WLL each (1500 tonnes combined capacity).
- **Bolt tightening torque: 250Nm.** Spanner size required: 36mm.
- Recommended additional equipment: Torque Wrench, Podger Spanner and Ring Spanner.

WARNING !

- Personnel using this system should be suitably trained, competent and have a clear understanding of Safe Slings procedures.
- The use of Modulift equipment must be in accordance with the procedures laid down in 'Lifting Operations and Lifting Equipment Regulations 1998' (LOLER).
- **Never exceed stated WLL** – Adhere to WLL in for particular sling angle used.
- **The top sling length is critical to the safe use of the spreader.**
- Ensure Drop Links hang down, and smaller shackles are connected to bottom hole of Drop Link.
- Do not under any circumstances hang load(s) from the tube or flanges – the spreader is designed for axial compression, not bending.



- The rigger must ensure that there is a clearance between the sling end fitting and the end unit as shown above.
- Max number of struts allowed in spreader assembly: 6.
- Assemble longer struts in the centre of the spreader configuration.
- Sling angle is crucial to safe use of spreader.