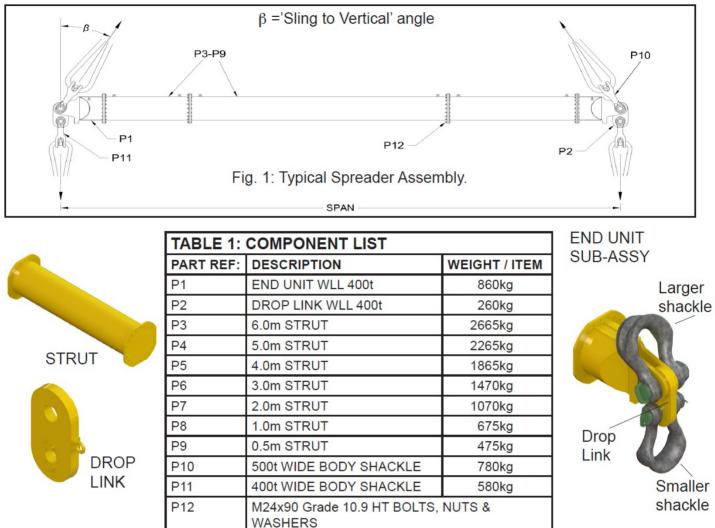


User Instructions MOD 600XB/800 Modulift[®]



The Modulift Spreader is modular in lenght. Every spreader consists of 1 pair of End Units & Drop Links, with intermediate struts that can be bolted into the assembly to achieve different spans. The MOD 600XB/800 has an assembled span ranging from 2 meters to 26m in 0.5m increments.



MOD 600XB/800 - Beam specification

- Rated at 800 tonnes SWL at 18 metres span (30° STV). See load Table for SWL at longer spans.
- 'Sling to Vertical' angle, β , 45 degrees or less.
- End Units & Drop Links are rated at 400 tonnes WLL each (800 tonnes combined capacity).
- Bolt tightening torgue: 250Nm. Spanner size required: 36mm.
- Recommended additional equipment: Torgue Wrench, Podger Spanner and Ring Spanner.

WARNING!

- Personnel using this system should be suitably trained, competent and have a clear understanding of Safe Slinging procedures.
- The use of Modulift equipment must be in accordance with the procedures laid down in the "Lifting Operations and Lifting Equipment Regulations 1998' (LOLER).
- NEVER EXCEED STATED SWL ADHERE TO SWL IN TABLE 2, FOR PARTICULAR SLING ANGLE USED.
- THE TOP SLING LENGTH IS CRITICAL TO THE SAFE USE OF THE SPREADER ADHERE TO TABLE 2.
- 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.

Safelifting

MOD 600XB/800



TABLE 2: Load v Span.

IAD		. Luau	VC	ppa	II.			The rigger must ensure that						
	45° S	STV	Recommended									30° S	STV	there is a clearance between the sling end fitting and the end unit
Span /m	SWL /t	Min Top Sling Length/m	STV= 'Sling to Vertical' angle, β							3	Span /m	SWL /t	Min Top Sling Length/m	as shown.
2	565	1.0	EU	EU							2	800	2.0	1,
3	565	2.0	EU	1	EU						3	800	3.0	
4	565	2.5	EU	2	EU						4	800	4.0	
5	565	3.5	EU	3	EU						5	800	5.0	
6	565	4.0	EU	3	1	EU					6	800	6.0	
7	565	4.5	EU	3	2	EU					7	800	7.0	CLEARANCE
8	565	5.5	EU	6	EU						8	800	8.0	
9	565	6.0	EU	6	1	EU					9	800	9.0	
10	565	7.0	EU	6	2	EU					10	800	10.0	
11	565	7.5	EU	6	3	EU					11	800	11.0	
12	565	8.5	EU	3	6	1	EU				12	800	12.0	
13	565	9.0	EU	3	6	2	EU				13	800	13.0	
14	565	9.5	EU	6	6	EU					14	800	14.0	
15	565	10.5	EU	6	6	1	EU				15	800	15.0	
16	559	11.0	EU	6	6	2	EU				16	800	16.0	
17	514	12.0	EU	6	6	3	EU				17	800	17.0	
18	469	12.5	EU	1	6	6	3	EU			18	800	18.0	
19	427	13.0	EU	2	6	6	3	EU			19	749	19.0	
20	391	14.0	EU	6	6	6	EU				20	688	20.0	
21	354	14.5	EU	6	6	6	1	EU			21	623	21.0	
22	320	15.5	EU	6	6	6	2	EU			22	565	22.0	
23	289	16.0	EU	6	6	6	3	EU			23	512	23.0	
24	260	17.0	EU	1	6	6	6	3	EU		24	461	24.0	Max number of struts allowed in spreader
25	234	17.5	EU	2	6	6	6	3	EU		25	416	25.0	assembly: 6
26	209	18.0	EU	1	2	6	6	6	3	EU	26	373	26.0	Assemble longer struts in the centre of
	To calculate the SWL at intermediate spans utilising the 0.5m strut, round up the span to the next longest span in Table 2, and use the spreader configuration spreader													

Recommended top sling types: Textile slings, cable laid wire rope slings or grommets. It is strongly recommended that a sling angle of 30° STV or less is used, to always ensure clearance between the sling and end unit. Note: Lengthening the slings can give greater clearance. **Refer to Modulift supplier if in doubt.**

ASSEMBLY PROCEDURE

stated SWL.

- 1. Check the ID plates on each Modulift component to ensure the correct size is used.
- 2. Lay out the Struts and End Units in the correct configuration (see table 2), laid on flats to prevent rolling.
- 3. Check that all pairs of flanges are clear from debris, sand etc. before connection.
- 4. Bolt the components together using bolts, nuts & washers provided. Tighten the bolts to a torgue as showoverleaf, 20 bolts per connection*
- 5. Place drop link inside the jaw of an end unit, with the larger hole of drop link lined up with the End Unit hole.
- 6. Place a top sling onto the body of a top shackle, and put jaw of top shackle over the end unit jaw.
- 7. Put top shackle pin through shackle, end unit jaw and drop link, and repeat for other spreader beam end.
- 8. Attach free ends of top sling to crane hook.
- 9. Attach lower slings and shackles to lower holes of drop links, and attach them to the load to be lifted.
- 10. The assembled spreader beam and lifting rig must be thoroughly checked by a competent person prior to lifting

DO's and DON'TS

- Do ensure to load the spreader through the drop links only. i.e. adhere to Fig.1.
- Do ensure enough clearance between spreader and the load to prevent the load hitting the spreader. Any collision could cause failure of the spreader.

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- Do nut undertake a lift without correct use of appropiate top slings.
- Do not hang any load from the spreader tube or flanges.
- Do not exceed stated SWL for that particular span adhere to table 2
- Do not rig the lower slings more then 6 degrees from vertical.
- Do not twist any slings unnecessarily.
- *The number and grade of bolts is critical for the safe use of the spreader particularly at longer spans.



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