

# LATTICE SPREADER SYSTEM

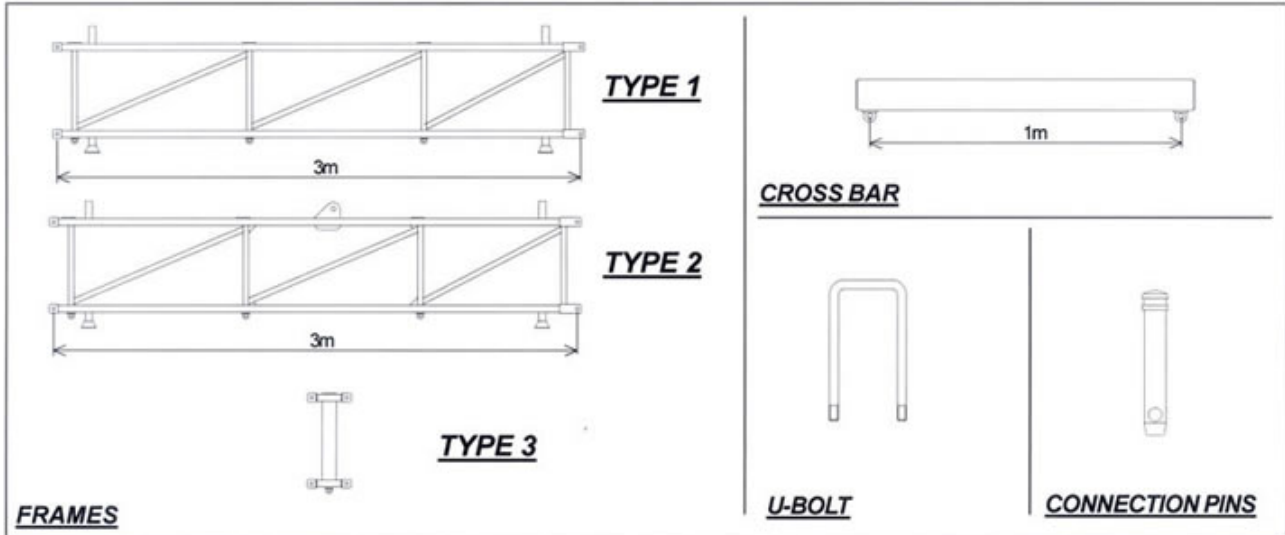
## - USER INSTRUCTIONS.



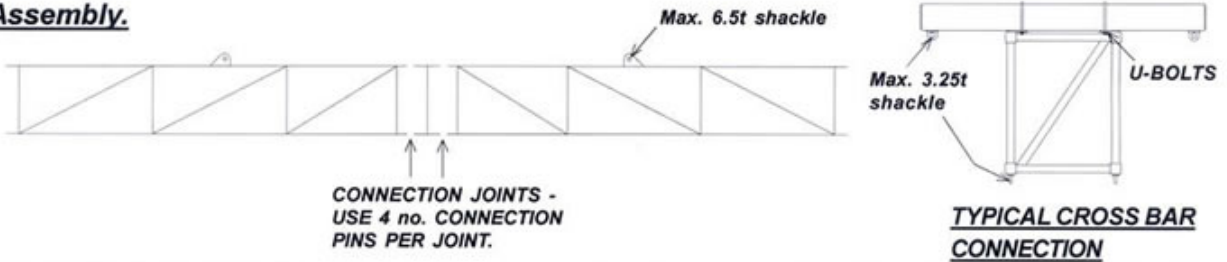
The Lattice Spreader System (LSS) is a light-weight modular spreader suitable for long, light loads, and has been specially developed to suit roofing sheets.

Maximum spans from 6m up to 24m in 3m increments are achievable using this system. Support slings can be attached to the frames every 2m to ensure a uniformly distributed load.

### Components.



### Assembly.



### Spreader Specification.

- Rated at 3 tonnes SWL - Uniformly Distributed Load only.
- Base sling angle,  $\theta$ , 45 degrees or greater.
- Lifting points: Slings can be connected to weld eyes on ends of 1m span cross bars, or to weld eyes on underside of frames.

## WARNING!

- Personnel using this system should be suitably trained, competent and have a clear understanding of Safe Slings procedures, in accordance with the procedures laid down in 'Lifting Operations and Lifting Equipment Regulations 1998' (LOLER).
- THE SLING LENGTH IS CRITICAL TO THE SAFE USE OF THE SPREADER - THE BASE SLING ANGLE,  $\theta$ , MUST NOT BE LESS THAN 45 DEGREES.
- DO NOT EXCEED 3 TONNES, EVEN AT SHORTER SPANS.
- The number of lifting points must not be less than shown in the diagram overleaf.



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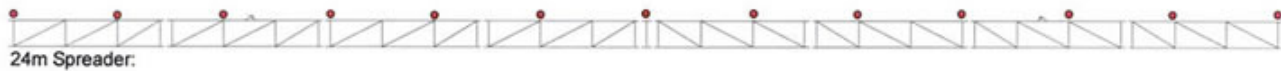
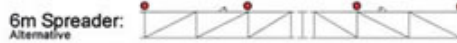


**Configuration.**

6m Spreader:	<table border="1"><tr><td>2</td><td>3</td><td>2</td></tr></table>	2	3	2	1 = Type 1 Frame						
2	3	2									
9m Spreader:	<table border="1"><tr><td>2</td><td>1</td><td>3</td><td>2</td></tr></table>	2	1	3	2	2 = Type 2 Frame					
2	1	3	2								
12m Spreader:	<table border="1"><tr><td>1</td><td>2</td><td>3</td><td>2</td><td>1</td></tr></table>	1	2	3	2	1	3 = Type 3 Frame				
1	2	3	2	1							
15m Spreader:	<table border="1"><tr><td>1</td><td>2</td><td>1</td><td>3</td><td>2</td><td>1</td></tr></table>	1	2	1	3	2	1				
1	2	1	3	2	1						
18m Spreader:	<table border="1"><tr><td>1</td><td>2</td><td>1</td><td>3</td><td>1</td><td>2</td><td>1</td></tr></table>	1	2	1	3	1	2	1			
1	2	1	3	1	2	1					
21m Spreader:	<table border="1"><tr><td>1</td><td>2</td><td>1</td><td>1</td><td>3</td><td>1</td><td>2</td><td>1</td></tr></table>	1	2	1	1	3	1	2	1		
1	2	1	1	3	1	2	1				
24m Spreader:	<table border="1"><tr><td>1</td><td>2</td><td>1</td><td>1</td><td>3</td><td>1</td><td>1</td><td>2</td><td>1</td></tr></table>	1	2	1	1	3	1	1	2	1	
1	2	1	1	3	1	1	2	1			

### Lifting Points / Load connection points.

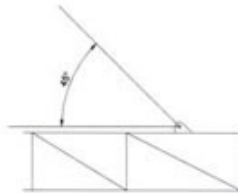
• = connection point for cross bar, and/or connection point for sling to weld eye.



### Minimum Sling Lengths.

6m Spreader :	2.2m
9m Spreader :	4.3m
12m Spreader :	2.2m
15m Spreader :	4.3m
18m Spreader :	6.5m
21m Spreader :	8.7m
24m Spreader :	10.8m

These sling lengths are essential to ensure the Base Sling Angle is greater than 45 degrees.



### SAFE USE OF SPREADERS.

- ALL LIFTING OPERATIONS MUST BE PLANNED IN ACCORDANCE WITH 'LIFTING OPERATIONS AND LIFTING EQUIPMENT REGULATIONS 1998' (LOLER).
- A RISK ANALYSIS MUST BE COMPLETED.
- A METHOD STATEMENT SHOULD BE PRODUCED AND SEEN BY THE PERSONNEL USING THE EQUIPMENT.
- Adhere to the correct beam configuration when planning lift.
- Only the manufacturer's component parts must be used in beam assembly.
- Ensure components are connected/tightened sufficiently.
- Ensure all personnel are clear from lift path prior to commencing lift.
- Take load up steadily, ensure beam is level - never shock load the lifting rig.
- Use tag lines on load with sufficient length to stand well clear.
- Never leave a suspended load unsupervised.
- If components are lost, contact your supplier for replacements.
- Store beams and equipment safely when not in use.

