

Maxirig
QUALITY LIFTING SOLUTIONS

Operation Guide

custom

Modular Combination Beam

certificate of conformance 2

certificate of test 3

welding inspection report 4

user notes 5

periodic maintenance & testing 13

pre-use check list 14

contact details 15

CERTIFICATE OF CONFORMANCE

Thankyou for investing in a quality lifting product designed and manufactured in Australia. In addition to superior workmanship and materials, a Maxirig product is also manufactured strictly in accordance with local and international standards. Relevant details pertaining to your Maxirig product are as follows:

PRODUCT DETAILS

Serial No: MR12768
Model No: CUSTOM1773
Description: 50t x 6m MULTI-LUG COMBINATION BEAM
WLL: 50t AT 60°-90° INCLUDED SLING ANGLE (Consult load chart prior to use)
Tare: 2.6t (excluding slings/shackles)
Date into Service: 31/10/2025

YOUR AUTHORISED DISTRIBUTOR

Distributor: LGH AUSTRALIA
Address: 152 SOMERSBY FALLS RD
SOMERSBY NSW 2250
Phone: 1800 407 712
Website: enquires@lgh.au

DESIGN SPECIFICATIONS

Computation No: C3D1503 - REV 0
Designed to: AS4991-2004
Statutory Design Reg: N/A

PROOF LOAD TEST SPECIFICATIONS

Proof Load Test Cert: 11219
Proof Load Test Date: 10/10/2025
Specifications: AS4991-2004

WELDING SPECIFICATIONS

Welded to: AS/NZS1554.1 SP

WELDING INSPECTION SPECIFICATIONS

Weld Inspection Report: 9430
Weld Inspection Date: 10/10/2025
Weld Inspection Specs: AS1171-1998

Yours faithfully



Nathan Van Berkel
Director



CERTIFICATE OF TEST

Issued to LGH AUSTRALIA

Test Certificate Number 11219

Date of Test 10/10/2025

DESCRIPTION OF ITEM TESTED

Serial No	MR12768
Model No	CUSTOM1773
Description	50t x 6m MULTI-LUG COMBINATION BEAM
Computation/Drawing No	C3D1503 - REV 0
Designed to	AS4991-2004
WLL	50t AT 60°-90° INCLUDED SLING ANGLE (Consult load chart prior to use)
Tare	2.6t (excluding slings/shackles)
Integral Sling Details (if any)	
Date into Service	31/10/2025
Manufacturer's Notes (if any)	

PROOF LOAD TEST DETAILS

Load Applied	604.2kN
Test Specification	AS4991-2004
Test Notes (if any)	

CONCLUSION

The above articles were tested under the supervision of a competent person and we hereby certify that:

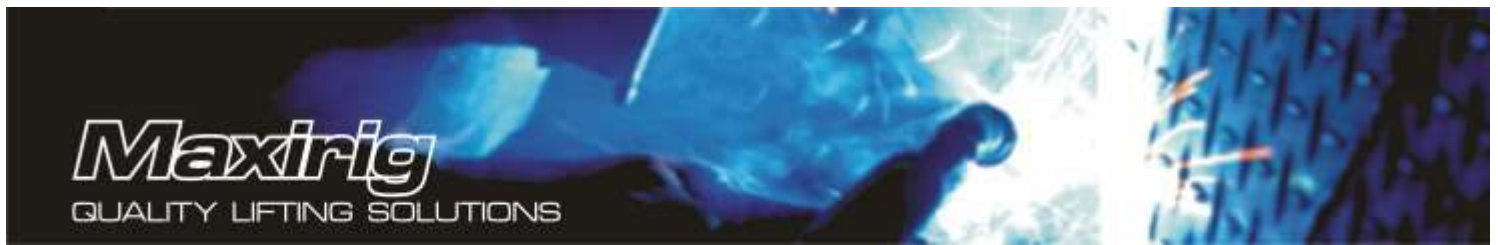
(a) A careful examination of the article tested was conducted.

(b) After application of the proof load the article tested was found to have withstood the load without sustaining damage that may affect its intended function or safety and is free from any deleterious permanent set or visible defects.

Approved Signatory:

A handwritten signature in blue ink, appearing to read 'Nathan Van Berkel'.

Nathan Van Berkel
Director



WELDING INSPECTION REPORT

Issued to LGH AUSTRALIA

Weld Inspection No 9430

Date of Test 10/10/2025

DESCRIPTION OF ITEM INSPECTED

Serial No MR12768

Model No CUSTOM1773

Description 50t x 6m MULTI-LUG COMBINATION BEAM

WELD INSPECTION DETAILS

Material Type CARBON STEEL

Acceptance Standard AS/NZS1554.1 SP

Weld Procedure Reference WP001

Test Specification AS1171-1998

Weld Inspection Procedure IP001

Area Tested ALL STRUCTURAL WELDS + DOUBLER PLATES + 20MM H.A.Z.

Method of Test MAGNETIC PARTICLE

Surface Preparation WIRE BRUSHED

Surface Condition AS WELDED

Equipment Used SURECHEM YOKE TYPE WC-6K

Testing Media ARDROX 890/W CONTRAST; ARDROX 800/3 INK

Demagnetised NO

Test Comments (if any) NO DEFECTS DETECTED

CONCLUSION

The above article was inspected by a competent person and we hereby certify that it complies to AS1171-1998

Approved Signatory:

Nathan Van Berkel
Director

User Notes

Design Capacity

This device has a **MAXIMUM** working load limit of:

As a spreader beam: **50 TONNE** at 60°- 90° included sling angle.

- Bottom load slings shall be set 600mm wider than top sling centres
- **WLL 20t** when using more than 2 load slings

As a lift beam: **30 TONNE**

Consult load charts on pages 8-12 prior to use

Permissible Uses

This device is designed to distribute load evenly across an item being lifted by crane or hoist.

This device must **NOT** be used in the carriage of personnel cages or any other device in which personnel can travel.

This device must not be used if during the course of operation, transport or storage damage is sustained. Consult Maxirig or an authorised distributor prior to continued use.

Forklift Tine Pockets

Forklift tine pockets are for self lift only.

Prior to Use

1. All aspects of use including crane, crane operator and dogging must comply with accepted good practice, AS4991 Lifting Devices Code, AS2550 Crane Safe Use Code and other relevant publications.
2. This device must be competently inspected prior to each use. A recommended pre-use checklist is included after these notes.
3. Conduct site specific Job Safety Analysis (JSA) and Hazard Identification & Risk Assessment Controls (HazOp).
4. Ensure the crane or hoist designated to perform the lift is sufficiently load rated and maintained to accepted industry standards.
5. Ensure all associated rigging equipment used with this device is sufficiently load rated and maintained to accepted industry standards.

User Notes

Connections

Lift lugs suit 35t Gr.S safety bow shackle
Load lugs suit 25t Gr.S safety bow shackle

Assembly (when applicable)

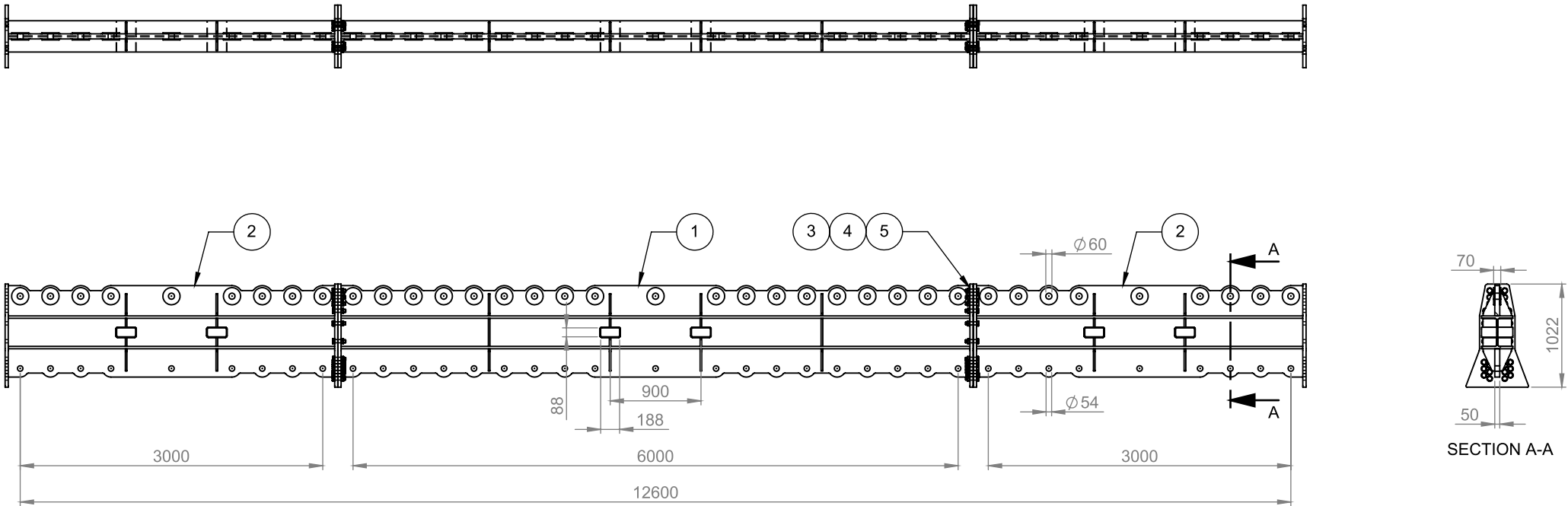
1. This device may be used individually, or assembled in combination with another 6m module, or assembled in combination with up to 2 x 3m modules.
Refer load charts on pages 8-12 for allowable configurations.
2. When combining, begin by laying out the desired modules as per the load chart. Ensure the contact face of each joining plate is clear of grit or any other debris. Wipe down if necessary.
3. Once clean, position the modules hard against the opposing joining plate.
4. Insert M30 Grade 8.8 structural assembly into each bolt hole and torque to snug tight.
5. To ensure the contact faces of each joining plate are firmly mated, a short duration static lift may be undertaken i.e. no load, with bolt torques then re-checked for snug tight.

General Operation

1. With all rigging gear secured, slowly take-up slack on lifting slings ensuring no shock load is applied to the device or the load.
2. Raise the device approximately 300mm above ground level and visually re-check all slings, connections and the device.
3. Ensure all personnel are cleared to a safe distance prior to continuation of lift.
4. Proceed with the lift ensuring that once the desired lift position is attained, the device and its load are gently positioned on the discharge area.
5. Ensure both the device and the load are sitting firmly on the discharge location and that any lifting slings are in the slack position.
6. Remove sling connections from the load.
7. Ensure all personnel are cleared to a safe distance before manoeuvring the device away from the load.
8. At completion of the lift, ensure the device is positioned so as not to damage any of the lugs or body of the beam.

General Arrangement

FORKLIFT TINE POCKETS FOR SELF-LIFT ONLY
USE ONLY M30 GR8.8 STRUCTURAL BOLT ASSEMBLIES



ITEM	QTY.	PART	DESCRIPTION
1	1	BEAM 6	
2	2	BEAM 3	
3	52	M30x110 BOLT	GR 8.8 ZP
4	52	NUT	CLASS 8 ZP
5	104	30 x 2 FLAT WASHER	ZP

User Notes

Load Chart

Lifting lugs suit: 35t Gr.S safety bow shackle

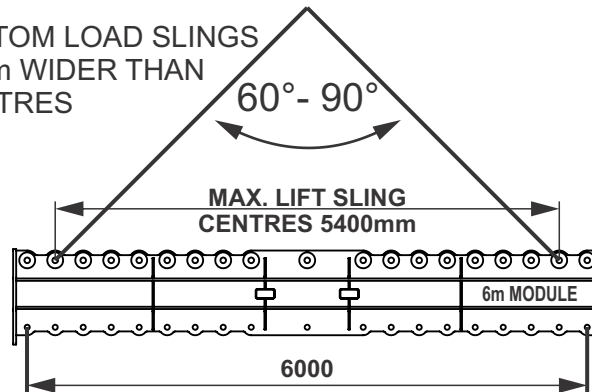
Load lugs suit: 25t Gr.S safety bow shackle

6m module TARE: 2.6t

WLL 50t

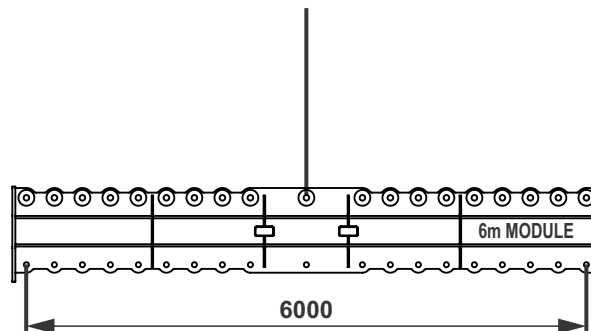
AT 60°-90° INCLUDED SLING ANGLE

SPECIAL NOTE: BOTTOM LOAD SLINGS SHALL BE SET 600mm WIDER THAN TOP LIFT SLING CENTRES



SPREADER CONFIGURATION (QTY 1 x 6m MODULE)

WLL 30t



LIFT BEAM CONFIGURATION (QTY 1 x 6m MODULE)

User Notes

Load Chart

Lifting lugs suit: 35t Gr.S safety bow shackle

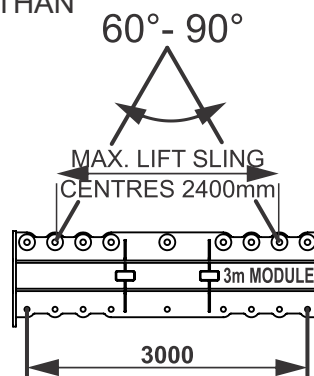
Load lugs suit: 25t Gr.S safety bow shackle

3m module TARE: 1.5t

WLL 50t

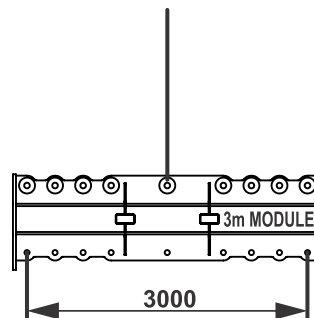
AT 60°-90° INCLUDED SLING ANGLE

SPECIAL NOTE: BOTTOM LOAD SLINGS
SHALL BE SET 600mm WIDER THAN
TOP LIFT SLING CENTRES



SPREADER CONFIGURATION (QTY 1 x 3m MODULE)

WLL 30t



LIFT BEAM CONFIGURATION (QTY 1 x 3m MODULE)

User Notes

Load Chart

Lifting lugs suit: 35t Gr.S safety bow shackle

Load lugs suit: 25t Gr.S safety bow shackle

Maximum WLL 45t

AT 60°-90° INCLUDED SLING ANGLE

6m module TARE: 2.6t

3m module TARE: 1.5t

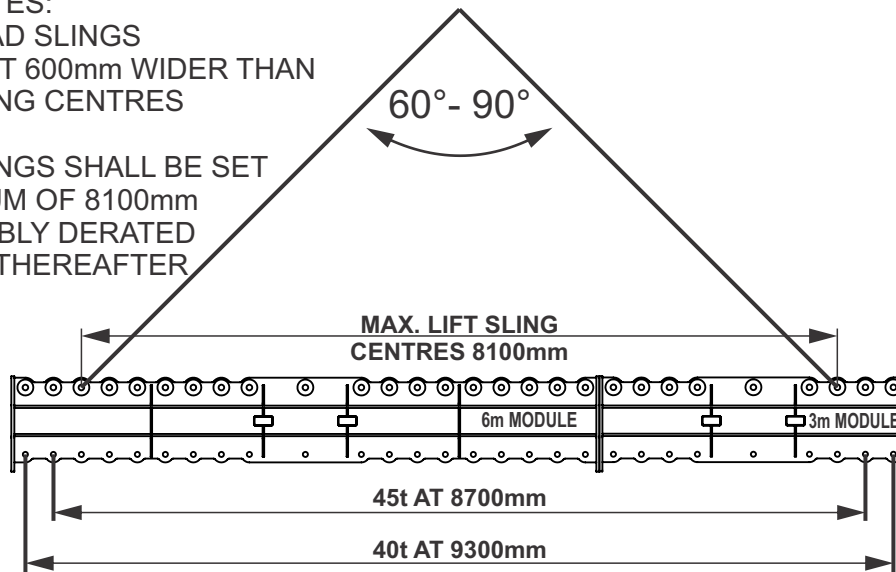
TOTAL TARE: 4.1t

SPECIAL NOTES:

BOTTOM LOAD SLINGS

SHALL BE SET 600mm WIDER THAN
TOP LIFT SLING CENTRES

TOP LIFT SLINGS SHALL BE SET
TO A MAXIMUM OF 8100mm
WITH ASSEMBLY DERATED
AS MARKED THEREAFTER



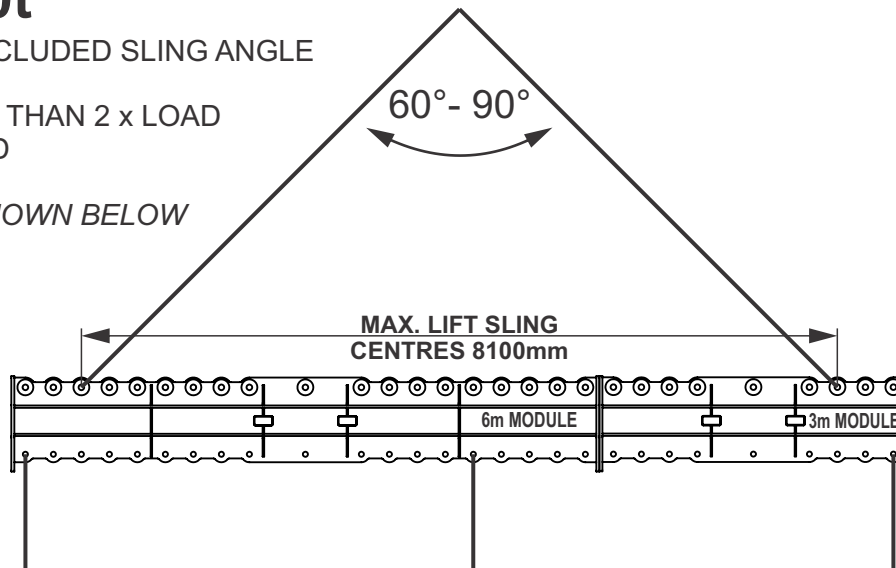
SPREADER CONFIGURATION
(QTY 1 x 6m MODULE + QTY 1 x 3m MODULE)

WLL 20t

AT 60°-90° INCLUDED SLING ANGLE

WHEN MORE THAN 2 x LOAD
SLINGS USED

EXAMPLE SHOWN BELOW



User Notes

Load Chart

Lifting lugs suit: 35t Gr.S safety bow shackle

Load lugs suit: 25t Gr.S safety bow shackle

6m module TARE: 2.6t

6m module TARE: 2.6t

TOTAL TARE: 5.2t

Maximum WLL 45t

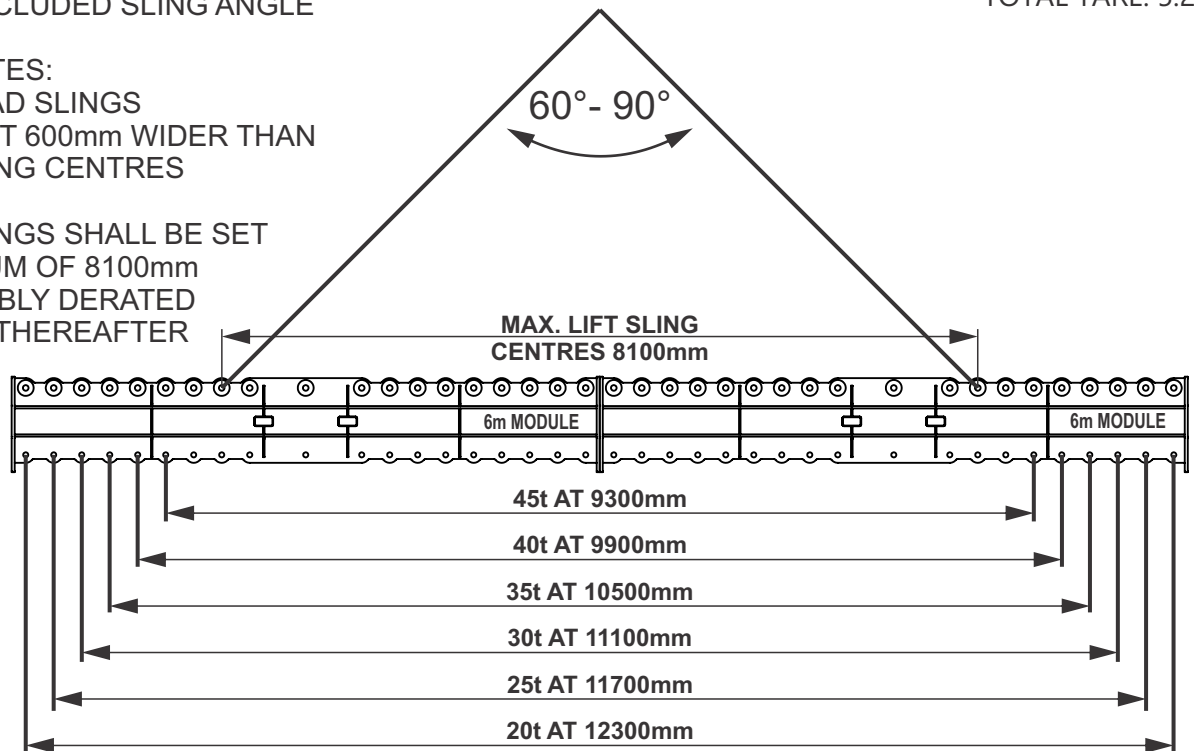
AT 60°-90° INCLUDED SLING ANGLE

SPECIAL NOTES:

BOTTOM LOAD SLINGS

SHALL BE SET 600mm WIDER THAN
TOP LIFT SLING CENTRES

TOP LIFT SLINGS SHALL BE SET
TO A MAXIMUM OF 8100mm
WITH ASSEMBLY DERATED
AS MARKED THEREAFTER

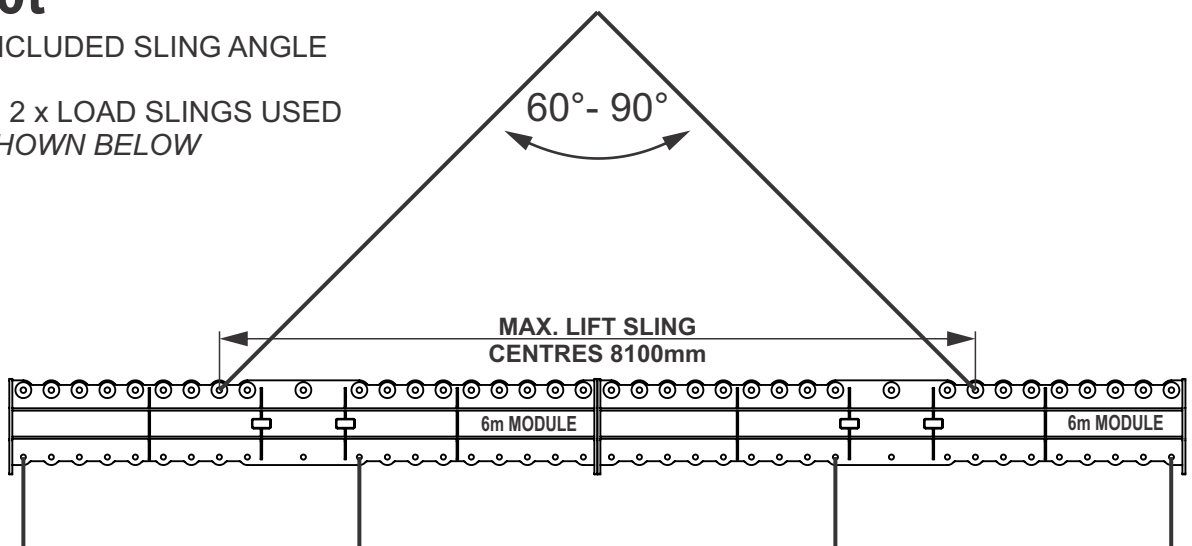


SPREADER CONFIGURATION
(QTY 1 x 6m MODULE + QTY 1 x 3m MODULE)

WLL 20t

AT 60°-90° INCLUDED SLING ANGLE

MORE THAN 2 x LOAD SLINGS USED
EXAMPLE SHOWN BELOW



User Notes

Load Chart

Lifting lugs suit: 35t Gr.S safety bow shackle

Load lugs suit: 25t Gr.S safety bow shackle

Maximum WLL 45t

AT 60°-90° INCLUDED SLING ANGLE

SPECIAL NOTES:

BOTTOM LOAD SLINGS

SHALL BE SET 600mm WIDER THAN
TOP LIFT SLING CENTRES

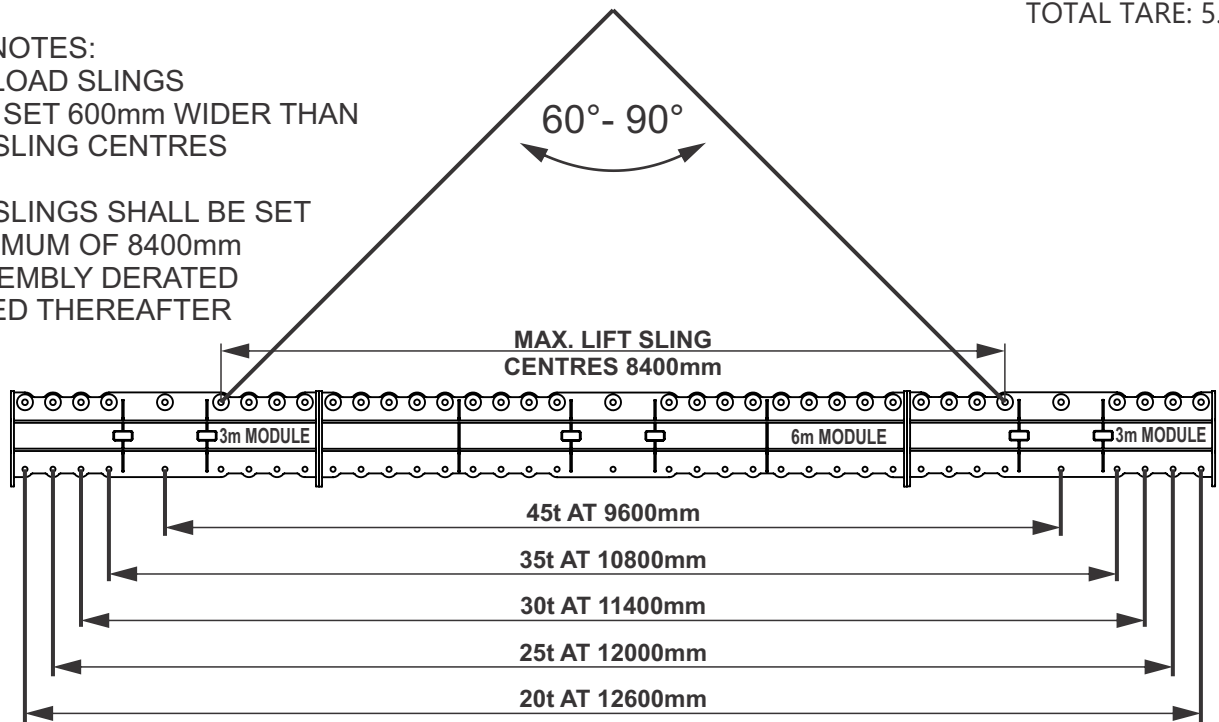
TOP LIFT SLINGS SHALL BE SET
TO A MAXIMUM OF 8400mm
WITH ASSEMBLY DERATED
AS MARKED THEREAFTER

6m module TARE: 2.6t

3m module TARE: 1.5t

3m module TARE: 1.5t

TOTAL TARE: 5.6t

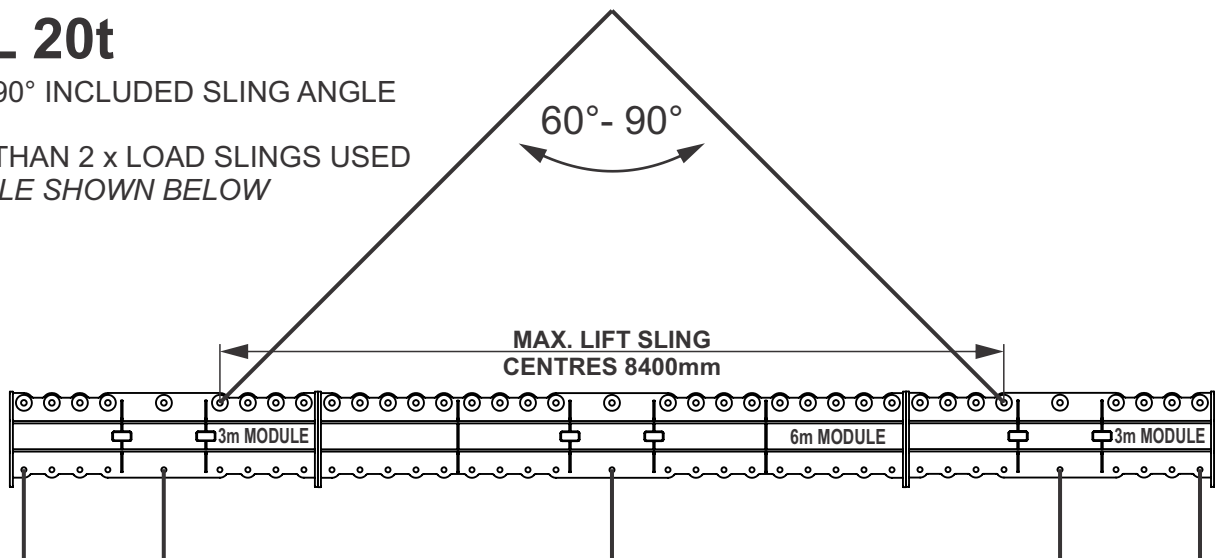


SPREADER CONFIGURATION
(QTY 1 x 6m MODULE + QTY 2 x 3m MODULE)

WLL 20t

AT 60°-90° INCLUDED SLING ANGLE

MORE THAN 2 x LOAD SLINGS USED
EXAMPLE SHOWN BELOW



Periodic Inspections

Inspection & Testing

This device must be regularly subjected to an inspection and maintenance regime in accordance with AS4991-2004 and the points listed below.

Inspection intervals shall not exceed 12 months. Shorter inspection intervals shall be adopted where the device is used frequently or in harsh conditions such as near salt water.

Major inspections shall only be conducted by an authorised Maxirig distributor or by competent persons with suitable training and experience.

1. The device shall be cleaned prior to inspection and in a location with sufficient lighting to enable a detailed examination of all components and welding.
2. A visual inspection shall be conducted noting nicks, gouges, cracks and corrosion in all welds.
3. A visual inspection shall be conducted noting nicks, gouges, cracks, corrosion and deformation in the lift lugs.
4. A visual inspection shall be conducted noting nicks, gouges, cracks, corrosion and deformation in the joining plates and module pipe sections.
5. The fully assembled unit shall be checked for camber and sweep ensuring the body is straight and free of indentation or damage.
6. Check the condition of each bolt and that the thread runs smoothly.
7. NDT of welds may be undertaken in accordance with relevant standards.
8. A Maxirig compliance plate must be attached and remain clearly visible.
9. Consider suitability of inspection frequency and amend if required. Where the correct inspection frequency is unknown, guidance may be obtained from AS2550.1

Repairs

Minor repairs required to the device that affect surface finishing or coatings may be conducted in accordance with AS4991-2004.

Repairs that may affect the structural integrity of the device may only be performed in consultation with Maxirig or an authorised distributor.

Pre Use Checklist

Prior to each use or shift, the following components of the device shall be checked.

This checklist is not a substitute for a Job Safety Analysis (JSA) or Hazard Identification & Risk Assessment Control.

If "NO" is answered to any of the checkpoints, refer to site supervisor, Maxirig or an authorised distributor for assessment prior to use.

	YES	NO
Is each lifting lug free of damage?	☐	☐
Is the eye in each lifting lug unworn and not flogged out?	☐	☐
Is the weld securing each lifting lug complete and undamaged?	☐	☐
Is each module section straight and free of indentation or damage?	☐	☐
Is each joining plate straight and free of indentation or damage?	☐	☐
Is each bolt hole unworn and not flogged-out?	☐	☐
Is each weld complete and free of corrosion or rust?	☐	☐
When fully assembled are all sections aligned?	☐	☐
Is a Maxirig compliance sign attached to the device and legible?	☐	☐
Is the device subject to a current inspection?	☐	☐
Is each operator of the device properly trained and competent to use?	☐	☐
Are all associated rigging connections of sufficient WLL and maintained?	☐	☐

Manufactured & Tested in Australia

Maxirig
20-21 Industrial Pl, Breakwater VIC 3219
www.maxirig.com.au

