

## bidim® LAY-DOWN EQUIPMENT VISUAL INSPECTION CONDITION REPORT

A copy of this document must be sent with the hire equipment - original to stay at the branch.

<b>VISUAL INSPECTION CONDITION</b> (to be completed by Geofabrics' staff when checking out and checking in)	
Customer	
Dispatch/receipt	Out date:    /    /                      In date:    /    /
Branch location	
Expected return date	

Item Number	Number of items	Item name	Checked out	Checked in	Comments
1	1	Bar, frame and chain assembly			

This equipment has received an in-service inspection and was found to have no obvious defects

**CHECKED OUT BY**

**Name:**

**Signature:**

**Date :** \_\_\_/\_\_\_/\_\_\_

**Comments/inspection results:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**CHECKED IN BY**

**Name:**

**Signature:**

**Date :** \_\_\_/\_\_\_/\_\_\_

**Dear Customer**

On receipt of this equipment, please check all equipment has been received, ensure your site staff read and understand the operating, maintenance and safety information, and use the equipment in a safe manner.

- You are responsible for the safe operation of the equipment and the safety of your staff.
- At the conclusion of the use of the equipment, please clean the equipment, repack it for transportation and return it to Geofabrics.
- Please advise if there are any missing parts. All equipment usage must be in terms of Geofabrics' Equipment Hire Agreement. You will be charged for any damaged or missing components.

# bidim® LAY-DOWN EQUIPMENT - OPERATING & SAFETY INSTRUCTIONS

## WARNING !

- Any alterations to this hire equipment may prove dangerous to the operator and will be in breach of the Equipment Hire Agreement.
- Service must only be performed by an authorised Geofabrics service organisation or representative.
- Please contact your nearest Geofabrics branch (contact numbers below) for return of this equipment or servicing if it is found to be faulty.
- All hire related documentation, operating & safety instructions are available on the company website ([www.geofabrics.com.au](http://www.geofabrics.com.au)).



The bidim® lay-down equipment is designed to be used as an attachment to suitable earthmoving equipment for the laying down of bidim® **geotextiles on containment areas, slopes, road subgrades** and other suitable construction areas.

### Pre-operational considerations:

- Before operating the bidim® lay-down equipment, it is important that you read and understand the maintenance and safety precautions outlined below and in the Equipment Hire Agreement document (Use and Maintenance).
- Contact your nearest Geofabrics branch (contact numbers below) if you do not understand any of the instructions in this document. To operate the bidim® lay-down equipment, operators must be in good physical and mental condition. Do not operate if on medication or under the influence of alcohol or drugs. Seek medical advice if unsure.

## **Safety Precautions and Working Techniques:**

- Because the bidim® lay-down equipment is suspended/slung from excavators, cranes and other pieces of mobile plant, special safety precautions must be observed to reduce the risk of people being hit/struck by the mobile apparatus.
- Steel capped safety boots must always be worn while operating or working near the bidim® Lay-down equipment. Keep all body parts clear of the frame at all times when the equipment is in use.
- Always use personal protective equipment such as riggers gloves, high visibility clothing (shirt or tabard), hard hats and safety eye wear with side protectors.
- Establish an exclusion zone of at least three metres around the equipment when it is in use.
- Do not use the bidim® lay-down equipment for any application other than its intended purpose.
- Do not abuse the bidim® lay-down equipment in any way which may result in personal injury and/or damage to the equipment.
- Check the condition of the bidim® lay-down equipment (including D shackles and chains) before each use for any damage. If the behaviour of the bidim® lay-down equipment changes, check it immediately and return it to Geofabrics for service if necessary.
- Never modify the equipment in any way.
- Do not allow workers to walk on fabric within 10 metres of the roll and frame in consideration of the possibility of the roll detaching from the lay-down frame.
- When deploying bidim® down slopes, ensure that the excavator or controlling plant is positioned to minimise the possibility of rolls dislodging and rolling away towards people who would otherwise be positioned in an exposed area below the roll.

## **OPERATION OF THE BIDIM® lay-down equipment**

### **Site Conditions:**

- The bidim® lay-down equipment is designed for the application of bidim® geotextile to suitable construction site areas. The bidim® Lay-down equipment should not be operated in conditions which will endanger the operator or other site personnel.

## USING THE bidim® lay-down equipment

Installation of 6 metre width rolls with Geofabrics spreader bar is recommended.

Refer to Figure 4 and to the Safe Handling Risk Analysis below for details of geotextile spreader bar safe handling.

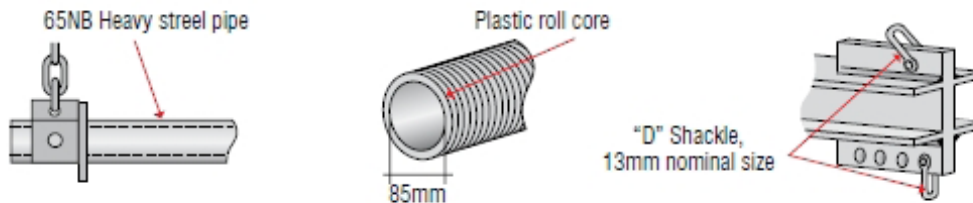
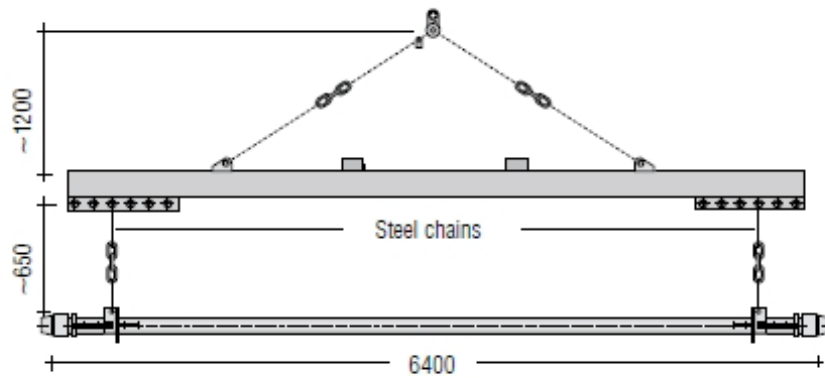


Figure 4. Spreader Bar

### bidim® Spreader Bar Assembly - Safe Handling Risk Analysis

	Sequence of Basic Job Steps	Hazards	Controls/Recommended
1.	Brief all personnel on the OH&S Issues.	Not wearing PPE for task.	Wear high visibility vest, hard hat, safety boots, safety glasses, long trousers at all times.
2.	Ensure all the lifting equipment is in sound order and the chains are not twisted, are of equal length and spacing on the spreader beam.	Uneven lifting of the roll.	Ensure chains are free and equal in length.
3.	Insert pole manually into central core of the bidim® geotextile roll.	Looking down core or viewing core at eye level.	Do not use machinery to force pole through the core. Keep away until the pole protrudes.
4.	Shackle spreader bar assembly onto machine.	Incorrectly attached to machine.	Check shackles and connections before lifting.
5.	Position spreader beam over, or preferably on the ground alongside the roll to be lifted.	Wind or machinery movement causing the suspended frame to swing around uncontrollably.	When frame is suspended, ensure stability using guide ropes.
6.	Attach end collars onto pole and tighten locking nuts.	Not (adequately) tightening locking nuts.	Check nuts.
7.	Check chain attachment position (eyelet) on frame to ensure chains hang vertically when roll is suspended.	Chains angle outward (at top of chain), tending to pull collars off the end of the pole.	Check each roll as core widths (and hence position of the collar) may vary slightly from roll to roll.
8.	Raise spreader bar.	Lifting too fast/tangled chains. Uncontrolled movement.	Raise in controlled manner with no personnel near or beneath lifted roll.
9.	Move roll into start position.	Roll/frame jerking and swinging can lead to personal injury.	Keep personnel clear and use guide ropes to minimise roll swinging without standing beneath or near the suspended roll.
10.	Place roll into position.	Lowering onto personnel.	Roll must be positioned and grounded, clear of personnel.
11.	Unroll at rate not faster than walking pace.	Uncontrolled roll frame movement can cause personal injury.	Keep personnel at a safe distance behind the roll.
12.	Once roll is dispensed, remove pole from core manually after detaching chains from the spreader bar.	Removing pole with machine, uncontrolled spreader bar can cause personal injury.	Manual operation only, with all chains disconnected and machinery stationary.

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