

TRIX CIRCUS PRODUCT INFORMATION SHEET ENGINEER CERTIFIED AERIAL BEAM CLAMP



	Maximum Rating	Anchor Points Each	Hoist Point Each
MBS	6,000 _{kg}	n/a	n/a
WLL*	3,000 _{kg}	1,500 _{kg}	500 _{kg}

Aerial and circus arts are inherently dangerous. There is a risk of injury or death that cannot be eliminated.

Certified and compliant with all relevant Australian Standards (AS4100 Steel Structures; AS4991.2004 Lifting Devices).

Made in Australia.

Supplied with 4x 16mm bolts with Nyloc nuts (flange attachments) and 2x 12mm bolts with Nyloc nuts (clamp joiners). Replacement bolts and nuts MUST always fit these specifications.

*User loads must take into account dynamic forces applied and not exceed the WLL.

Trix Circus is an established company - operating in Australia for over 20 years with a proven track record. We guarantee our products are made to the most stringent Australian safety standards. Trix Circus is recognised internationally for its commitment to safety.

Rigging

Rigging equipment is dangerous when installed incorrectly.

- Always employ a professional rigger to install and perform inspections on Trix Circus beam clamps.
- Take care to avoid damaging existing electrical cabling during installation.
- Installation must be performed with respect to the building's engineering directives and in direct consultation with relevant engineering personnel.
- Ensure no persons are under the clamp during installation. Hard contact to the head may cause serious injury or death.
- The clamp flange packer (circular spacer) must be the same thickness or thicker than the flange of the universal beam to which the clamp is being affixed.
- The outer attachment points on the clamps are diversion points ONLY. They are NOT intended for human loading.
- The two central points are designed for human-loading. These must be located central to the universal beam.
- When installing your beam clamp ensure to tighten the nyloc nuts to a torque of 90 N·m using a torque wrench.
- The beam clamps are designed ONLY to have a 2-tonne bow shackle as the primary connector. DO NOT use carabiners, either steel or aluminum, directly into the clamp or you may damage the clamp or the connector. ALWAYS secure the shackle pin with a cable tie.
- After installation, use witness marks on the beam and the bolts to ensure the clamp and bolts have not moved during use.
- Do not rig within 1.5m to any stationary object, including walls and poles.
- Minors should never be responsible for rigging any apparatus and should only use Trix Circus equipment under adult supervision.

Intended Use:

Beam clamps can be dangerous if used recklessly or without experience. Accidents happen. Never train alone.

- The beam clamp is designed to be used either with a static load or with load on a pulley system operating at up to a 90° angle in all directions.
- The beam clamp is designed to be used on both horizontal and vertical beams. In line with the length of the beam.
- The beam clamps are designed ONLY to have a 2-tonne shackle as the primary connector. DO NOT use carabiners, either steel or aluminum, directly into the clamp or you may damage the connector or the clamp. ALWAYS secure the shackle connector with a cable tie.

Maintenance and Storage:

Proper care must be executed to ensure the continued health of your beam clamp.

- When not installed, cover your beam clamp with a protective casing to ensure the equipment will stay clean after every use.
- Keep your beam clamp indoors and away from any moist or wet environments. While the integrity of the steel will not deteriorate when in contact with water, exterior rust will develop.
- The beam clamps are made from mild steel and will form exterior rust if exposed to the air. Ensure painted finish is maintained. If necessary, clean off exterior rust and repaint beam clamp with galvanising paint.

Principal Materials

Mild steel, Nyloc nuts and bolts.

Documentation:

Model:	
Serial Number:	TRIX-
Date of First Use:	
User/Owner:	

• Trix Circus is not responsible for any direct, indirect or accidental consequences, injuries, damages or deaths resulting from the use of our products and equipment.

• This user guide does not tell you everything you need to know. Consult with a qualified rigger and/or structural engineer.

• Use of Trix Circus equipment is only permitted if you understand and assume all risks and responsibilities for any damage, injury or death that may result.

• Everyone using this equipment must be given this guide and thoroughly understand the information included in it.

• You must have a rescue plan in place and the means to implement it.

Inspection:

Inspection is required before every use. Clamps and associated fixings must be checked at six (6) monthly intervals as per the engineer's specifications.

• Photographically record the installation of your beam clamp to recognise any changes. Any movement or change in the clamp means that the strength has been compromised.

• Verify witness marks to ensure clamp has not moved during use.

• Verify all of the Nyloc nuts have been tightened to a torque of 90 N·m

Lifetime:

Unlimited depending on wear and tear.

This will vary on use and storage conditions. Single use lifetimes are possible in extreme circumstances.

Repairs or Modifications to Equipment:

Repairs or modifications are only allowed by the manufacturer or those authorized in writing by the manufacturer. Replacement of Nyloc nuts and bolts is at the discretion of the inspecting rigger. Replacement Nyloc nuts and bolts must fit the beam clamp's original specifications.

Retirement:

Retire from service and destroy if the equipment:

- is suspected of having been overloaded.
- shows 10% or more physical damage or deformation in shape upon visual inspection.
- Is misused, altered, damaged, exposed to harmful chemicals, etc.

Retire if you have any doubt about its safety.

Compatibility:

Beam clamps can be dangerous if incorrectly used in association with other materials.

• Make sure your equipment is compatible with all other components of your system. Incompatible connections may result in equipment failure, injury or death.

CAUTION: USE AT OWN RISK
AERIAL CIRCUS IS INHERENTLY DANGEROUS
USE UNDER CORRECT SUPERVISION WITH CORRECT INSTALLATION PROCEDURE
REGULARLY REFERENCE OUR WEBSITE AND READ THE LATEST USER INSTRUCTIONS
INSPECT BEFORE EVERY USE

www.TrixCircus.com • Info@TrixCircus.com • 0466 158 820

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TRIX CIRCUS
PRODUCT INFORMATION SHEET
**GENERAL CONDITIONS AND WAIVER -
EQUIPMENT PURCHASE**



1. Thank you for using products of Trix Circus Pty Ltd ACN 098 101 547 of 7 Mayes Place, Ormeau Qld 4208 (Us or TC) (Products). We want You to enjoy our Products in good health.
2. TC manufactures circus apparatus and related Products. You should consider some obvious and inherent risks in activities associated with our products (Activities).
3. You, by your Activities, accept the inherent risks of which a prudent person is or should be aware. You should consider this participation an exercise in good judgment and act in a responsible manner.
4. For everyone's safety, you must read and comply with these General Conditions and Waiver at all times, pay careful attention to Trix Circus' Product Information Sheets and carry out your own safety checks before Activities.
5. Activities involve significant exertion, stress and heights. You must be physically and mentally fit, having no medical conditions which could put You, Us or others at risk. Not all our products are suitable for pregnant women, those with heart problems, high blood pressure or back problems for example. You should inform Us and seek medical advice if uncertain.
6. Restrictions (including weight) apply to activities as for workplace health and safety (WHS) reasons. Please report any WHS issues to Us immediately.
7. You must wear suitable clothing and accessories and be aware that Your property may be damaged or dirtied when using Our Products.
8. The venue hosting the Activities must provide You appropriate Personal Protective Equipment (PPE). Please use the PPE according to directions and treat it carefully so it works best for You.
9. Coaches, parents, guardians and carers are responsible for persons under their supervision, such as children.
10. Activities should vary subject to adverse weather conditions, maintenance activity or other operational reasons.
11. No glassware, sharp objects, food, beverages, alcohol or drugs may be associated with Activities except for tap water in a drink bottle.
12. You are responsible for your own property.
13. You must act carefully both for Yourself and others, and refrain from behaviour which could affect your safety, the safety of others, the safety of the Activities.
14. You must not infringe our intellectual property rights including copyright, designs, systems and patents.
15. You agree to the use of Your image and likeness for Our promotion and related purposes without compensation in relation to Products.
16. We take all reasonable steps to provide you with safe and enjoyable Products. However, You and all Users use Our Products at your own risk. You and all Users indemnify us and We are not liable for any person in respect of the loss of life or personal injury to, any person, whether that loss, damage or personal injury is by any person's (including Our) misfeasance and/or non-feasance.
17. We may add special conditions to these terms at our discretion in writing, verbally or by our conduct. This would usually be for WHS or other reasons. You are welcome to offer us special conditions in writing for signed acceptance from Our director.
18. By using and our purchasing Our Products you agree to these terms. If this is not acceptable, We will happily accept return of our Products and refund the purchaser of our products all payments, immediately and in full.

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TRIX CIRCUS
 PRODUCT INFORMATION SHEET
INSPECTION LOG



Model:	Serial Number:	Date of First Use:	Owner:
	TRIX-		

Date:	Condition:	Inspector:

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