

TRIX CIRCUS PRODUCT INFORMATION SHEET ENGINEER CERTIFIED TIPPY HOOPS



	Single User	Duo Users
User Load Limit	90kg	150kg
Dynamic Load Factor	x8 factor	x5 factor
Dynamic Load Design	720kg	750kg

**2024 NATA
Destruction
Test Results**

12,640kg

(without rupture)

**User loads must take into account dynamic forces applied.*

- These aerial hoops are RPEQ engineered and certified for the above loads by Point Engineering/Jade Engineering. Please follow the guidelines above.
- All welds are completed in accordance with AS/NZS 1554.6.
- Basis of certification: AS 3990:1993 Mechanical Equipment - Steelwork
- **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.

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

Intended Use:

Aerial hoops can be dangerous if used recklessly or without experience. It is important that you never train alone.

- Always take care when using your hoop. Hard contact to the head may cause serious injury. Ensure that everyone present remains aware of the aerial hazards.
- Always place a certified protective crash mat underneath you.
- Always work with a professional coach and professional rigger to ensure ongoing safety.
- Never use under the influence of alcohol or narcotics.
- We recommend solid hoops for slack drops, dynamics and duo work. When choosing a hollow hoop, the ULL and MBS must be considered in association with the intended use.

Rigging:

Aerial equipment is dangerous when rigged incorrectly.

- The weld should be positioned at the 11 o'clock position (consider the rigging point is at 12 o'clock).
- A suitable anchor/structure must be installed to use the equipment. This can only be assessed by a qualified rigger and/or a certified engineer.
- 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.

Compatibility:

Aerial hoops 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.

Maintenance and Storage:

It is important to protect your hoop from dirt and weather damage that may cause the bar and/or tape to become slippery.

- Cover your aerial hoop with a protective casing (eg. flexible tubing, towels, padded wrapping) or a bag when travelling.
- Keep your aerial hoop indoors between use and away from any floors that are likely to become wet. The integrity of the steel will not deteriorate when in contact with water, however any grip tape will need to be replaced after exposure to water.
- Always ensure your apparatus is treated with care when rigging and de-rigging. Do not to drop your equipment during rigging.
- The use of resin, chalk and other adhesive grip technologies is recommended. Change your tape regularly to avoid a build up of materials which are a potential slip hazard.
- When re-taping your aerial hoop, clean off glue residue with shellite before retaping.
- You may tape over the weld. The weld should be positioned at the 11 o'clock position (consider the rigging point is at 12 o'clock).
- **Inspect your hoop weld every 12 months** (at a minimum). You must remove the tape to do this inspection.
- You may conduct an annual Dye Penetration Test on the welds to ensure their integrity. Visit SmartChem (www.smartchemind.com.au/browse/sort/name/display/gallery/master-cat/dye-penetrant) for these products or for professional assistance.

Documentation:

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

Made in Australia using foreign and domestic materials.

- Aerial and circus arts are inherently dangerous. There is a risk of injury or death that cannot be eliminated.
- This user guide does not tell you everything you need to know. Consult with a qualified rigger.
- 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.
- Do not use around electrical hazards, moving machinery, near sharp edges or abrasive surfaces.

Inspection:

Inspect before and after every use.

- On receipt of your hoop, photographically record the tab holes and welds to make recognising any changes easier.
- Perform regular visual checks on the hoop weld (remove tape to find) to observe for any changes.
- You should conduct annual Dye Penetration Tests on the welds to ensure their integrity. This should be done by an accredited NATA accredited organisation.
- Trix Circus will provide you with "A" and "B" measurements. These are factory measurements of the internal dimensions of your hoop. You must take periodic measurements to compare to the factory-made measurements. Discontinue use of the hoop if "A" or "B" differ by more than 5mm from the factory measurement.
- If the hoop fails any of the above inspections immediately cease use and dispose of.

Lifetime:

Unlimited depending on wear and tear.

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

Retirement:

Retire from service and destroy if the hoop:

- is suspected of having been overloaded.
- shows 10% or more physical wear (eg. on the tab connection) upon inspection.
- If the hoop fails the Dye Penetration Test.
- If the original Interior Dimension measurements have changed by more than 5mm.
- has been misused, altered, damaged, exposed to harmful chemicals, etc.

Retire if you have any doubt about its safety.

Repairs or Modifications to Equipment:

Repairs or modifications are not permitted.

Principal Materials: Stainless Steel 304

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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INSPECT BEFORE EVERY USE

TRIX CIRCUS
PRODUCT INFORMATION SHEET
INSPECTION LOG



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

Date:	Condition:	Inspector:

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