TRIX CIRCUS
PRODUCT INFORMATION SHEET

TRIANGLE SPREADER
& SHACKLE SWIVELS TIPS

	Triangle Spreader
MBS	---
Dynamic WLL*	3,000kg
User Load Limit	250kg

Made in Australia.

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

Intended Use:

Aerial can be dangerous if performed recklessly or without experience. Accidents happen, therefore it is important that you never train alone.

• Always be careful when spinning, playing, training, rigging or walking near your apparatus. Hard contact to the head may cause serious injury. Ensure that everyone present remains aware of the aerial hazards in the space.

• Always ensure that there is a certified protective crash mat underneath you at all times while training.

• Always work with a professional coach to ensure ongoing safety.

• Always employ a professional rigger to install your equipment.

• Never use under the influence of alcohol or narcotics.

Rigging:

Aerial equipment can be dangerous if used when rigged incorrectly.

• A suitable anchor and/or structure must be installed to use the equipment. This can only be assessed by a qualified rigger and/or a certified engineer.

Compatibility:

Triangles 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 triangle from any dirt or weather damage that may cause it to become slippery.

• Cover your rigging equipment with a protective casing to ensure the equipment will stay clean after every use.

• Keep your rigging equipment indoors between use and away from any surfaces that are likely become wet.

• Always ensure your rigging equipment is treated with care while rigging your apparatus. Be careful not to drop your rigging equipment during this process.

Repairs or Modifications to Equipment:

Repairs or modifications are only allowed by the manufacturer or those authorized in writing by the manufacturer.

Principal Materials

Stainless steel

Documentation:

Model:	
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.

•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 or near sharp edges or abrasive surfaces.

Inspection:

Inspection is required before every use.

• Photographically record the shape of your rigging equipment to recognise any deformities. Any deformity or bend means that the strength of the rigging equipment has been compromised.

Lifetime:

Unlimited depending on wear and tear.

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

Retirement:

Retire from service and destroy if the equipment:

• is suspected of being overload.

• shows 10% or more of physical damage or deformation upon visual inspection.

• is misused, altered, damaged, exposed to harmful chemicals, etc.

Retire if you have any doubt about its safety.

Shackle Swivel Installation and Use Tips:

• When installing the bolt make sure the head is in all the way. The head must be flush with the shackle body. Insert the bolt on the side with the smallest aperture. Only one side of the shackle swivel will enable this. The thread portion of the bolt must protrude past the shackle body on the opposite side from the head. If the bolt head is not all the way in, then the thread portion will not protrude past the hole. You will not be able to properly tighten the nut and the assembly will not reach its full safety – this is very dangerous.

• Before using the nylon lock nut, always inspect it to be sure the locking element is in place. Once the locking element begins to contact the thread and you can no longer turn it with your fingers, you should use a hex key in the bolt head and a fine nose flat pliers on the nylon lock nut to screw it in. There must be at least 3 threads extending past the exterior of the nylon lock nut. Do not screw beyond 4 threads as you may damage the shackle swivel. If you cannot mount it as described, do not use the shackle swivel. Always use a new nylon locking nut with each use. The locking ability of the nut is reduced after its first use. Inspect the shackle swivel before and after each use to ensure it is not damaged, past excessive wear or the nylon lock nut has de-threaded.

• For permanent installation, use an epoxy with the lock nut. A thread locking agent is NOT recommended for nylon lock nuts. Cease use if dropped from higher than naval height. Use rubber washers within the walls of the shackle swivel to prevent side-to-side movement on the plate.

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

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INSPECTION LOG

Model:	Date of First Use:	Owner:

Date:	Condition:	Inspector:

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