



ALEXANDER AERIAL ACROBATICS

# INSTRUCTIONS

## AERIAL SILKS

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### INTRODUCTION

We are delighted that you have chosen to purchase one of our aerial silks.

The **Alexander Aerial Acrobatics®** brand is a mark of quality. Our silks have been designed to meet all your needs and to provide value for money.

In deciding to purchase one of our aerial silks, you are absolutely in tune with the times. Many studies in recent years have shown that acrobatics is an excellent sport for children, teenagers and adults that trains balance, coordination and strength while also enhancing self-esteem and inner well-being.

The specifications for our aerial silks were determined by professional silk artists, and the products themselves have undergone extensive testing. The materials used are of a high quality and ensure a long service life. In addition, the silks have been tested for their breaking strength. The test data can be found in Appendix A. In addition to the initial tests, each roll of silk is subjected to additional testing for breaking load at the time of delivery by the manufacturer. You can therefore rest assured that your silk really is as good as we promise.

If you have any feedback, including suggestions for improvement, please do not hesitate to contact us.



## SAFETY INSTRUCTIONS

Give the aerial silk and all suspension devices employed (snap hooks, slings, shackles and suspension points) a visual inspection each time you use them and a deep inspection all half year. If the silk develops any holes or tears, it should be taken out of use. The same applies to the suspension devices: if any damage is detected, do not use them anymore. The defective parts must be replaced.

To avoid holes or tears, do not wear any outfits that have sharp-edged accessories or zippers.

Always wear a skin-covering outfit, as friction from the material can cause burns, especially when sliding rapidly down the silk.

The knot of the silk is always the weakest point. We therefore recommend that you use only suspension devices suitable for the purpose such as our **AERIAL SILK BELL** (see list of accessories) which is guaranteed for the maximum breaking load.

Users must not be heavier than the specified user weight, otherwise they will be placing themselves in great danger and in any case void the guarantee.

Please retire your equipment at the end of the specified Lifetime.

## PRODUCT INFORMATION

### MATERIALS USED AND PROPERTIES OF OUR AERIAL SILKS

All of the silks that we supply are made of 100% polyester. The rolls from which the silks are cut are tested frequently for compliance with the specified minimum breaking load. The breaking load specifications always refer to a single silk, not to the usual arrangement in which the silk is hung double.

Please take care not to expose your silk to sunlight during use or storage.

Material: 100% polyester

Fabric width: 150 cm

Weight: 210 g/m<sup>2</sup>

Breaking load: 1,400kg

Max User Weight: 100 kg

Safety factor: 14

Life of product: 2 years / 300 hours

Care: Washable at 40°C max; fine wash with mild detergent; drip dry



## HOW TO HANG YOUR AERIAL SILK

Take the silk halfway along its length and loop it around a suitable suspension device (see illustration), preferably around the aforementioned Vertikaltuch-Glocke (aerial silk bell). Pull the loop tight and then hang the suspension device itself on a secure hook (minimum breaking load 1,440 kg). To attach the Vertikaltuch-Glocke (aerial silk bell) to the suspension point, use a snap hook or quick link shackle with the same (or higher) breaking load as the device around which the aerial silk is looped. Please only use snap hooks with at least doubly secure catches (snap and screw locking nut).

Always hang the snap hook vertically (see illustration), because horizontal breaking force is many times lower than vertical and there is also the risk that the snap hook will spring open, causing the user to fall.



## USING YOUR AERIAL SILK

You use our silks at your own risk.

Please observe the safety instructions in this manual at all times

If you have no prior experience in using aerial silks, we strongly recommend a course at one of many youth circuses or acrobatics studios.

## TERMINOLOGY

1. Load capacity: The product of the breaking load of an object divided by the relevant safety factor. For ropes and snap hooks, it is factor 14. This provides a sufficient safety buffer zone for the person to be secured and is based on the safety regulations derived from event technology.
2. Breaking load: The minimum weight that must be applied before an object will break.

## CONTACT DETAILS

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ALEXANDER AERIAL ACROBATICS



Drahtseile - Tauwerk

## Prüfbericht

Prüfer : Pylaykin

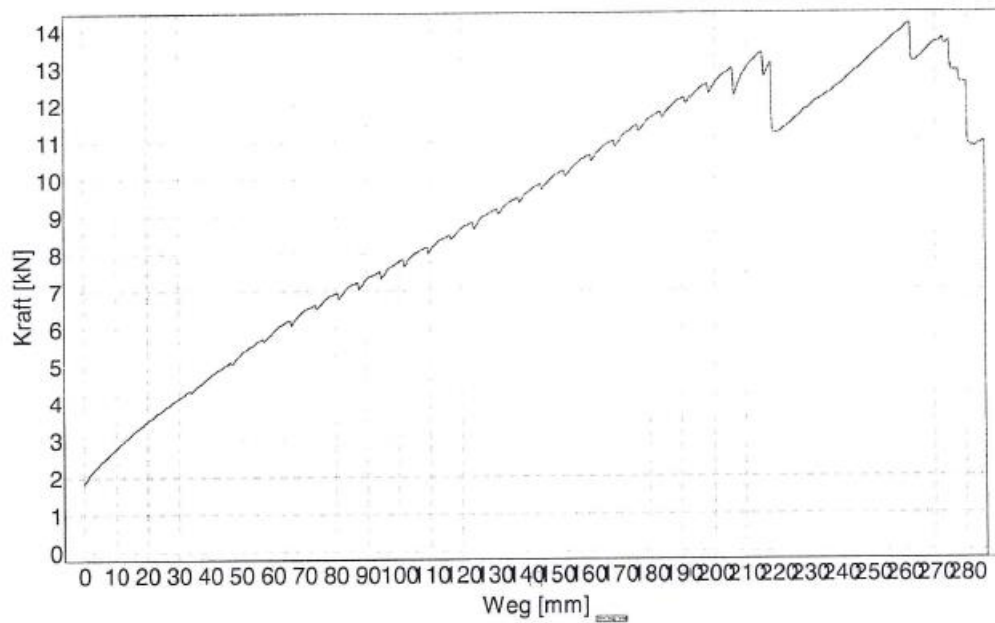
Auftragsnummer : ATRK-19000650

Fmax = Maximalkraft (global)  
sE = Weg bei Testende  
tH = Haltezeit  
Pos = Position

P Nr. = Prüfnummer  
Datum = Prüfdatum  
Bemerkung = Bemerkung

Resultate 3:

P Nr.	
Fmax [kN]	14,15
sE [mm]	286,392
tH [s]	n.a.
Datum	23.01.2019 15:10:33
Bemerkung	1 x beige stellte Tuch, Aerial Silks, Länge:0,9 m, blau.
Pos [mm]	n.a.



Das Protokoll ist auch ohne Unterschrift gültig!