

★ *Circus Division*



**CEILING ANCHOR PLATE**

# PRODUCT CERTIFICATION

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Smart design and high tech materials built to last.

This is CIRCUS DIVISION, a whole new range of aerial equipment engineered, manufactured and certified in Italy by PLAY S.r.l. according to the **Directive 2001/95/CE** of the European Parliament and the Council of 3 December 2001 and general product safety and to the European legislation **UNI EN 913:2019**.

## GENERAL INFORMATION

These instructions inform you about the correct use throughout the life of the product: **read, understand and keep these instructions**. If lost, you can download the instructions from the web site **[www.circusdivision.com](http://www.circusdivision.com)**

The retailer must provide the instruction manual in the language of the country where the product is to be used.

## USE

This equipment should be used only by trained and competent persons. Otherwise the user should be under the direct supervision of a trained and competent person. This notice will not teach you the techniques for work at height or any other associated activity: you must have received qualified instruction before using this product.

## WARNING

**Aerial dance and aerial acrobatics and any other activity for which these products may be used, is inherently dangerous. The consequences of incorrect selection, misuse or poor maintenance of equipment could result in damage, serious injury or death. The user must be medically capable to control his own security and any possible emergency situations. For equipment intended for use in fall arrest systems, it is essential for safety that the anchor device or anchor point should always be positioned, and the work carried out in such way as to minimize both the potential for falls and the potential fall distance. Verify the free space required beneath the user at the workplace before each occasion of use, so that, in the case of a fall, there will be no collision with the ground or the other obstacle in the fall path.**

**Being a full body harness the only acceptable body holding device that can be used in a fall arrest system and given that by their nature aerial acrobatics and aerial dance generally don't provide the use of such devices, it is required the use of an approved safety mat placed in the fall path.**

The product should only be used as instructed and no alterations should be made to it. It may be used in conjunction with any appropriate items of suitable specification and according to the EN standards, with due consideration to the limitations of each individual piece of equipment. If possible this product should be treated as personal.

# PRODUCT CERTIFICATION

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## **MAINTENANCE**

Cleaning of the textile and plastic parts: rinse in clean water and neutral soap (max temperature 86°F) and dry naturally away from direct heat. Cleaning of the metallic parts: rinse in clean water and then dry. Temperature: Always keep this product below 176°F so as not to affect the performance of the product.

Chemicals: withdraw the product from service if it comes into contact with chemical reagents, solvents, or fuels which could affect the performance of the product.

## **STORAGE**

Store unpacked in a cool, dry, dark place away from heat sources, high humidity, sharp edges, corrosives or other possible causes of damage.

## **RESPONSIBILITY**

The company PLAY S.r.l., or the distributor, will not accept any responsibility for damage, injury or death resulting from misuse of or from modifications to a PLAY S.r.l. – CIRCUS DIVISION branded product. It is the user's responsibility at all times to ensure that he/she understands the correct and safe use of any equipment supplied by or from PLAY S.r.l., that he/she uses it only for the purposes for which it is designed and that he/she practices all proper safety procedures. Before using the equipment, take all necessary steps to familiarize yourself with rescue techniques should an emergency occur. You personally assume all the risks and responsibilities for your actions and decisions: if you are not able or not in a position to assume these, do not use this equipment.

## **3 YEAR WARRANTY**

This product is warranted against any faults in materials or manufacture for 3 years from the purchase date. Limitations of warranty include: normal wear and tear, modifications or alterations, incorrect storage, corrosion, damage due to accidents or negligence, use for which this product is not specifically designed.

# USER MANUAL

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WLL (Working Load Limit) of the anchor plate: 40 daN (approx. 882 lbs)

BLL (Breaking Load Limit) of the anchor plate: 30 kN (approx. 6614 lbs)

Safety factor: 7

## SPECIFIC INFORMATION

Sturdy 0.24 inches thick galvanized steel plate without welding, for anchoring any aerial equipment (silks, hoops, trapezes, ropes, hammocks) to the ceiling.

The plate can also be used to create anchor points on the wall. An economic and safe solution for practicing aerial acrobatics at home or in a professional environment in total safety.

The plate has a diameter of 4.72 inches and the interaxis between the holes is less than 3.94 inches allowing you to fix it both to the reinforced concrete beams commonly found in domestic floors and to a wooden beam.

### **Always consult an experienced professional to determine if the ceiling or beam to which you intend to attach your anchor point is suitable for the purpose.**

Please note that many of the dynamic figures that can be performed on aerial acrobatics equipment can develop a tensile load of up to 10 times the athlete's body weight. Creating a safe and reliable anchor point is not only essential for your safety, but allows you to practice your favorite disciplines without worry and therefore in a totally rewarding and productive way.

The eyelet of the plate features a wear-resistant silicone protection compatible with all carabiners, Quick Links and Swivels on the market.

Fixing devices supplied with the plate:

- 3 concrete anchor bolts D=0.39 inches with bolt M10 made of Carbon Steel in Minimum Class 4.8 to be inserted into the joist or the supporting beam (both in CLS type C20/25 for which it is necessary to drill holes of 0.39 inches in the ceiling. In any case, remember that it is extremely important the depth of the hole and its cleanliness because a wrong drilling will irreparably compromise the characteristics of the dowel.

- 3 Torx Self Tapping Screws D=0.31 inches and length 3.15 inches of which at least 2/3 threaded made of galvanized steel Minimum class 4.6 to be installed on wooden beams.

# USER MANUAL

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## REVISION

In addition to the normal inspection required before, during and after each use, this product must be inspected by a skilled person every 12 months, starting from the date the product is first used; this date and the subsequent checks must be recorded on the product's life sheet: keep this literature for inspection and reference for the life of the device. Check the legibility of the product's markings.

In case of one of the following defects are present, the product should be withdrawn from service immediately:

- cracks on metallic parts;
- permanent deformation of a metallic part;
- deep corrosion (that do not disappear after a light rubbing with glass paper);

Any product or component showing any defect or wear, or if in doubt, should be withdrawn from service immediately. Each product in the safety system can be damaged during a fall and must be always inspected before use it again.

Do not continue to use a product after a major fall because a damage may have occurred, even no external signs are visible.

## LIFETIME

The lifetime of the product is unlimited, unless any defect appears and provided that periodic inspections are made at least once every 12 months from the date the product is first used and the results are recorded in the life sheet of the product. The following factors can reduce the lifetime of the product: intense use, damage to components of the product, contact with chemical substances, high temperatures, tears and abrasions, violent impacts, failure to maintain as recommended. When suspect that the product is no more safe and reliable, please contact PLAY S.r.l. or the distributor.

## TRANSPORTATION

Protect the product from risks such as those detailed above.

## PRODUCT

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White plate



Galvanized plate

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## ANCHORING

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**PLATE WITH THROUGH BOLTS  
IN THE CEILING**



**PLATE WITH SCREWS  
IN THE BEAM**



## ASSEMBLY

**WARNING!** The workload of a system and its breaking strength are determined by the weakest link in the chain. This means that you should always refer to the WLL and BLL of the FASTENERS used for the installation.

### IN WOOD

#### WITHOUT PRE-HOLE



In case of installation of the plate using the torx self-tapping screws, the following are the values of the 3 screws correctly installed in wooden beams:

WLL: 20 daN (approx. 441 lbs)

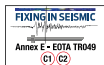
BLL: 15 kN (approx. 3307 lbs)

Safety factor: 7

### IN CONCRETE



#### HOMOLOGATIONS



In case of installation of the plate using the concrete anchor bolts, the following are the values of the 3 shackles correctly installed in concrete:

WLL: 25 daN (approx. 551 lbs)

BLL: 18 kN (approx. 3968 lbs)

Safety factor: 7

## AGILE ANCHOR POINT





## CHECK LIST

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Everything you need to install a certified mobile anchor point.

It will allow you to install equipment for acrobatics and aerial dance in just a few seconds, with total safety and without having to resort to ladders and scaffolding.

This kit is designed to be installed inside structures (walls and ceilings) made of concrete.



**1. 3x ANCHOR PLATES**  
with plugs or fixing screws

**2. 2x PULLEYS**

**3. 2x OVAL CARABINERS**  
in steel with screw lock

**4. 2x OVAL QUICK LINK**  
size 0.31 inches

**5. SEMI-STATIC ROPE (0.41 inches)**  
with certified sewn loop

**6. COUNTERWEIGHT BAG**  
fillable with 4.4-6.6 lbs of sand or gravel

### RECOMMENDED LENGTH

To determine the correct length of the rope, it is a good rule to multiply the height of the anchor point from the ground (**A**) by 2 and add its distance from the wall (**B**) to which the ground plate is fixed: **(A x 2) + B**

# LIFE SHEET

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.....  
**1. Model**

.....  
**2. Serial number**

.....  
**3. Month/Year of manufacture**

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**4. Purchase date**

.....  
**5. Date of first use**

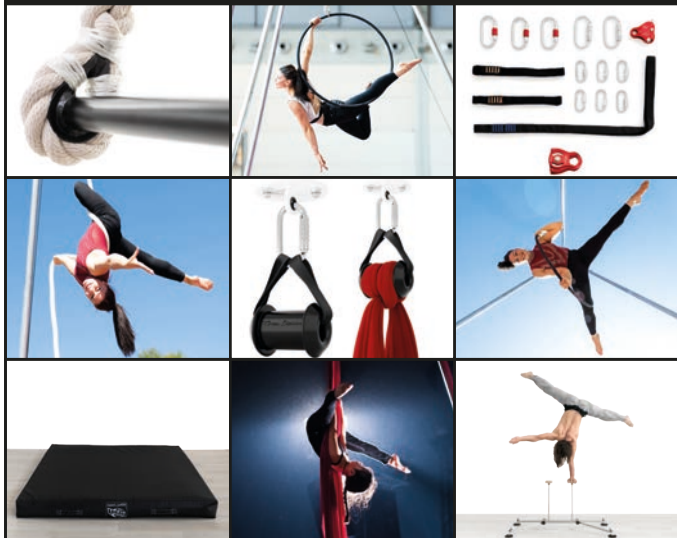
.....  
**6. User**

.....

.....  
**7. Comments**



WWW.PLAYJUGGLING.COM



**CERTIFIED EQUIPMENT FOR AERIAL  
ACROBATICS AND AERIAL DANCE**

**DESIGNED AND MANUFACTURED  
ENTIRELY IN ITALY**

★ *Circus Division*

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