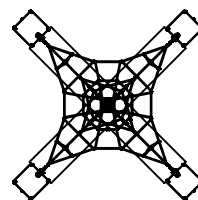
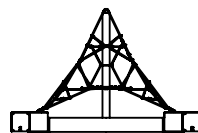


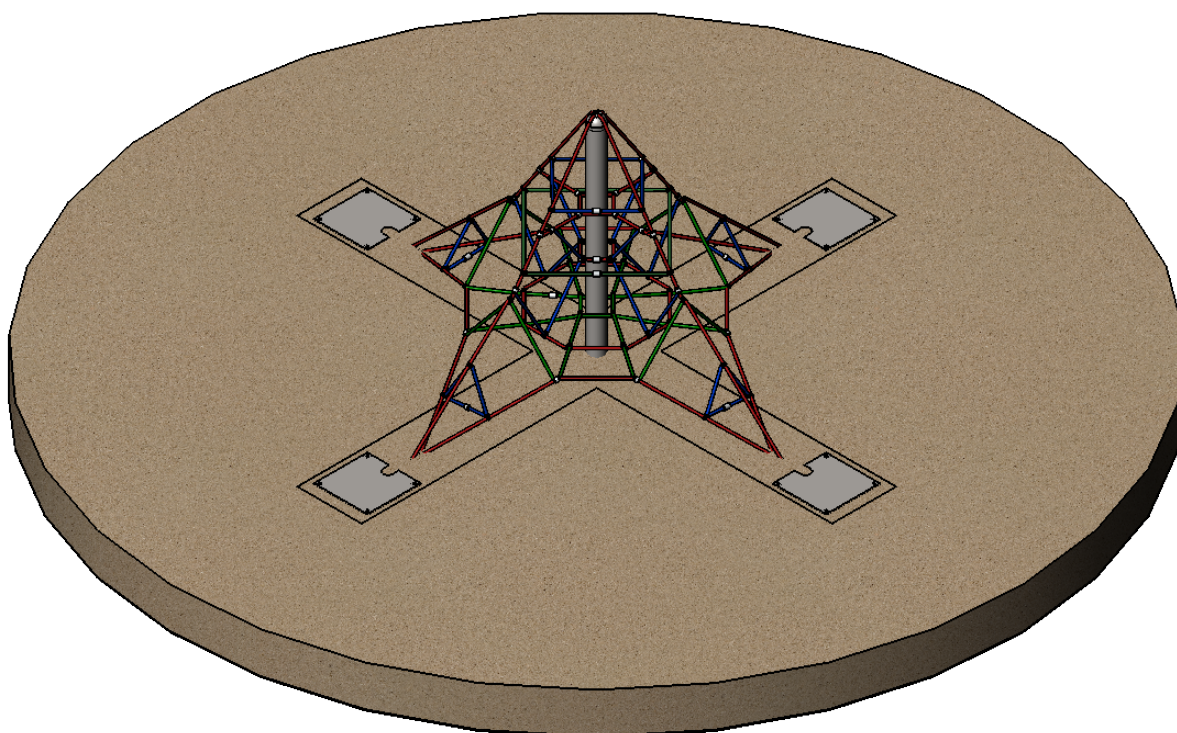
# Active 2000 Installation Instructions One piece foundations



## Product Overview

The **Active 2000** Activity Net has been designed to be used by children from 3 years of age and has been manufactured to exceed the European Playground Standard EN1176-1(2008) and EN1176-11(2014).

The following installation instructions should be adhered to in order that the equipment functions in a safe manner.



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## Special Points of interest

- Polished stainless steel mast with solid aluminium dome.
- 18mm diameter Nylon braided rope with steel re-enforcement.
- Easy to Assemble Steel foundation
- No Safety Surface Requirement
- Low Maintenance



• BALART  
GEPRÜFT  
• TYPE  
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## Space requirements & Safety Clearances

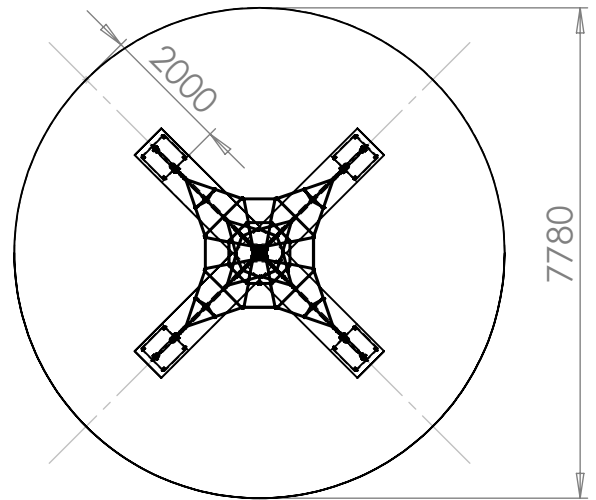
The requirements for space and safety clearances are extracted from the following standards BS-EN1176-1

BS-EN1176-1 Section 4.2.8 **Zones**  
BS-EN1176-1 Section 4.2.8.2.3 **Free space**

The equipment should be situated to allow 2.0m free space from the edge of the product at ground level. This translates into a 7.9m diameter circle or a 6.75m square

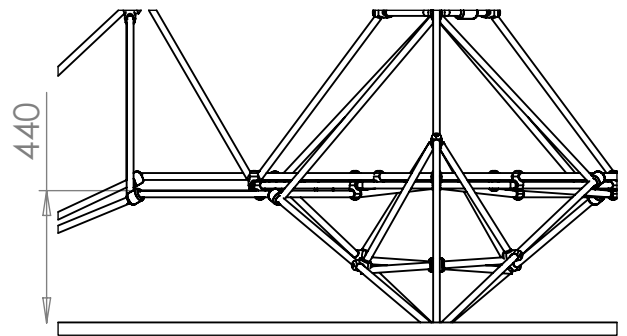
Total Circle Area Required: 47.6m<sup>2</sup>  
Total Square Area Required: 44.6m<sup>2</sup>

Finished assembly showing the recommended safety zones



## Free Height of fall

The maximum height at which a child can stand, and fall unimpeded is 440mm, the highest point on the perimeter rope. This is considered to be the free height of fall according to BS-EN 1176 section 4.3 and therefore no safety surface is required.



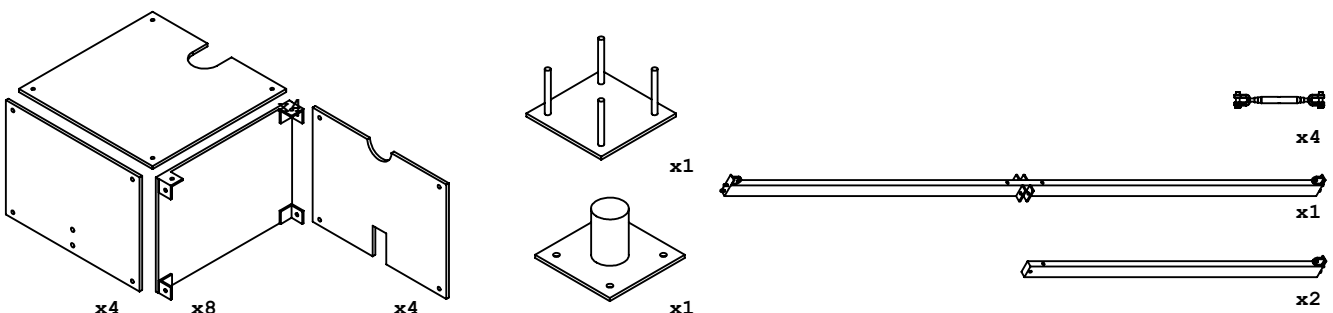
## Installation instructions

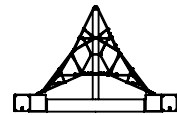
The **Active 2000** Activity Net is delivered in three sections.

Section One is the polished stainless steel mast which is to be mounted over the central spigot of the foundation steelwork leaving the top of the mast to accept the aluminium dome. This is attached to the top of the net.

Section Two is the net, complete with aluminium dome to be inserted into the top of the mast.

Section Three is the foundation steelwork. This comprises of two lengths of box section, a base plate, a top plate with attached spigot. The package will also contain four rigging screws for attaching and tensioning the net at each corner of the foundation steelwork and 4 corner boxes in flat pack form.



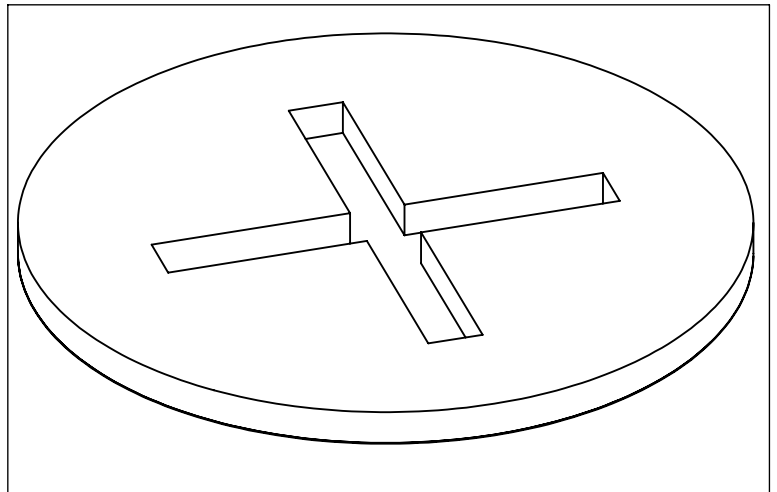


## Foundation Requirements

For safe operation the **Active 2000** requires a concrete foundation in the shape of a cross.

Start by digging out a cross 5m long by 600mm wide in both directions, to a depth of 380mm as shown.

Care should be taken when levelling the ground after digging to ensure the steel foundation is level and secure prior to concreting.



## Assembly Instructions

### Stage 1

(1.1) Remove the packaging from the foundation steelwork.

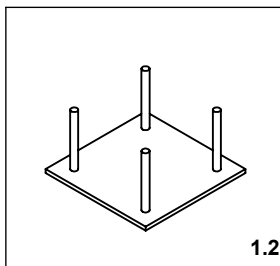
(1.2) Position the baseplate on the ground so that the welded studs are pointing upwards.

**Note:** Depending on your resources the assembly can be built in the trench, or assembled to the side and then lifted into place once complete.

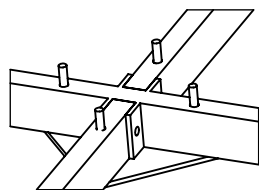
(1.3) Position the three lengths of box section over the base plate and insert them onto the studs making sure that the corner lugs attached are facing up. Fix in place using the M16 bolts, nuts and washers supplied.

(1.4) Place the spigot over the central studs and tighten using the M16 nuts and washers supplied.

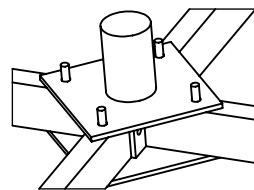
(1.5) Attach the 4 rigging screws to the steel corner lugs making sure the rigging screws have been fully extended.



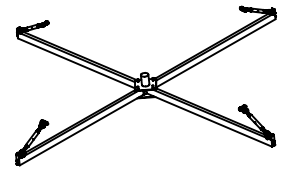
1.2



1.3



1.4



1.5

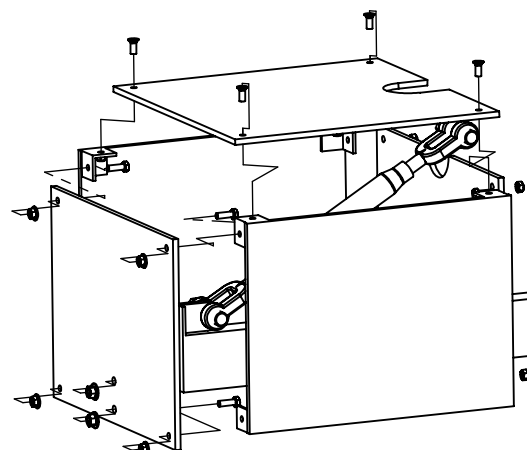
### Stage 2

Follow drawing (right) for corner box assembly. Attach completed box to end of box section frame work.

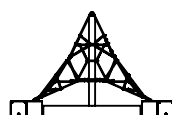
**Top Plate:** 503x503 (x4) M10x25mm Security Screw

**Front Plate:** Attach to box sides (x4) M10x30mm hex bolts.

**Back Plate:** Attach to end of box section (x2) nuts and washers and to box with (x4) M10x30mm Hex Bolts.



Stage 2

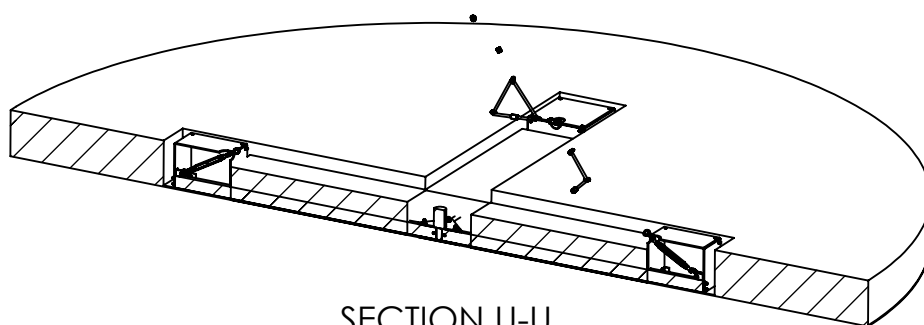


### Stage 3

Once the steelwork has been assembled, and is in position in the bottom of the trench double check that everything is level and square.

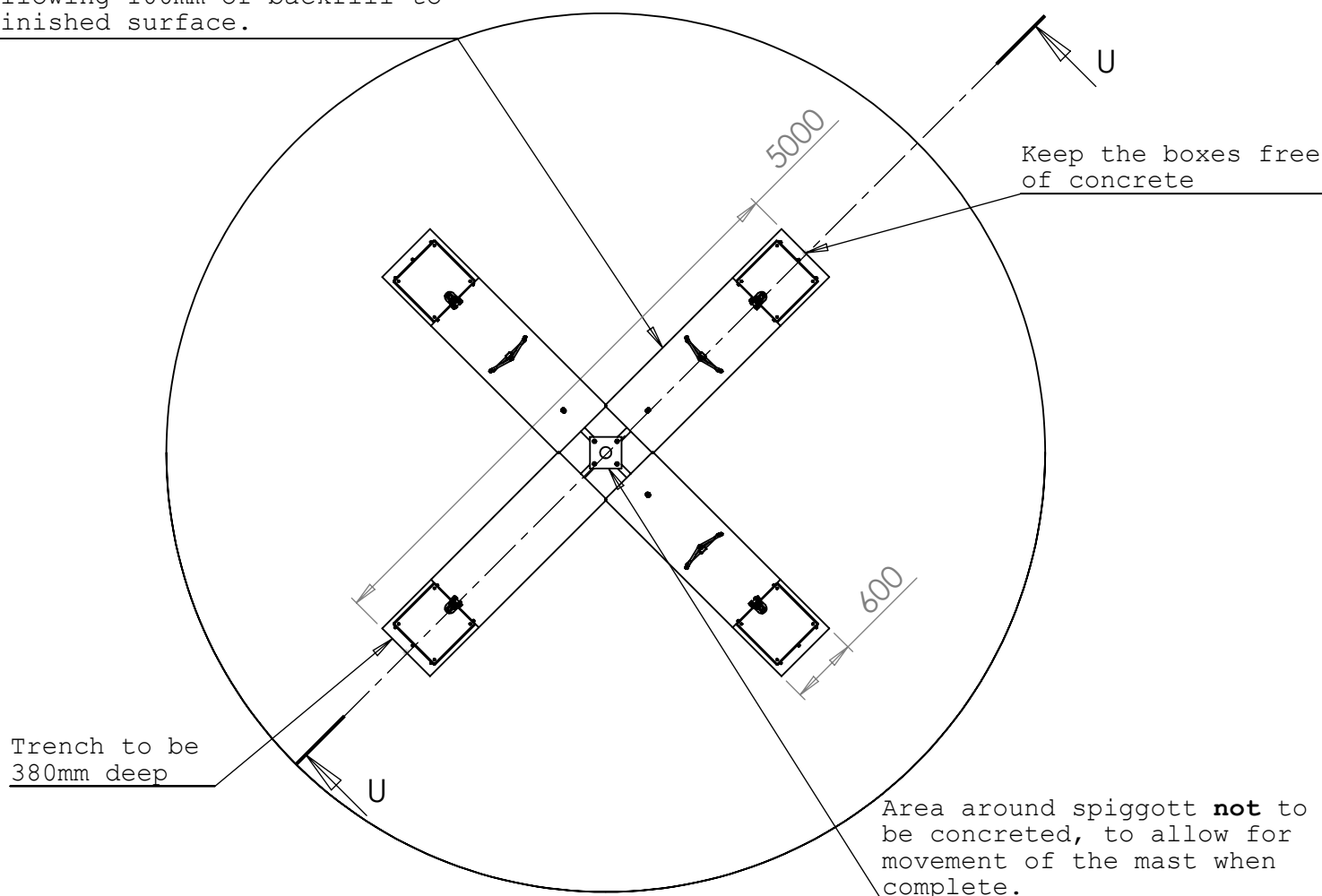
Using an un-reinforced C30 mixture back fill the steelwork with concrete, ensure that the centre of the cross is kept free to allow for installation of the mast.

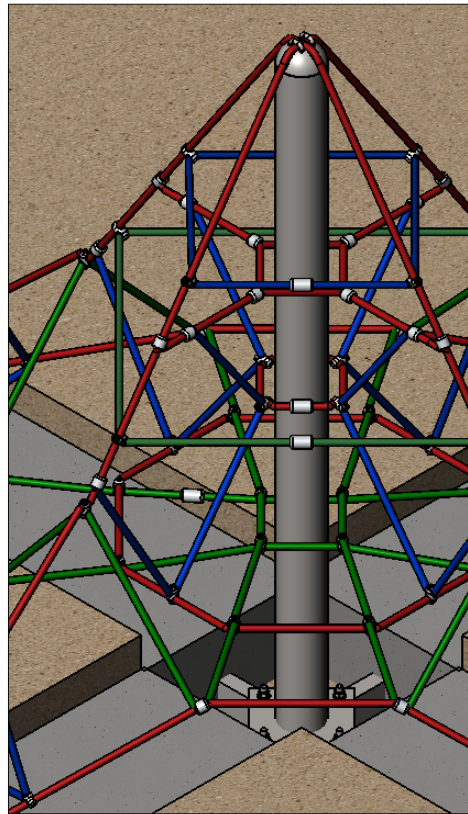
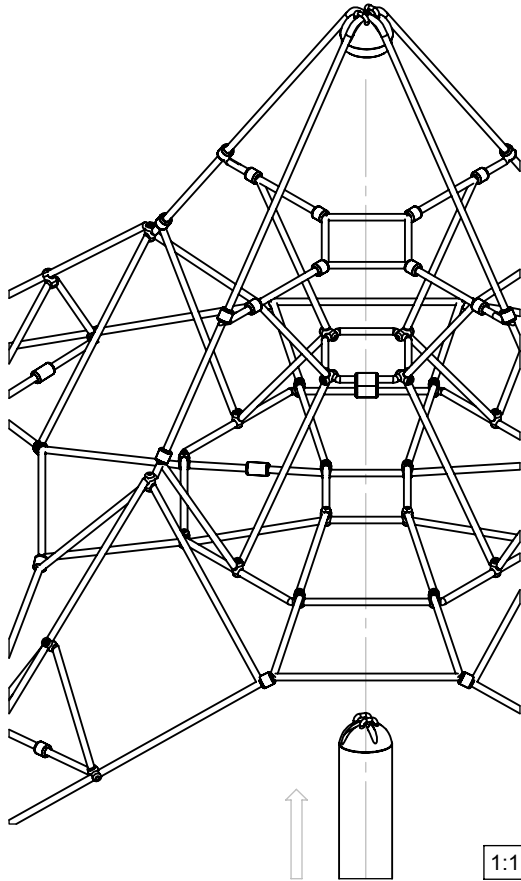
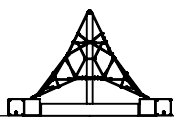
Leave at least 100mm free of concrete from the finished ground level, this can then be back filled with your requirements to the finished surface material.



SECTION U-U  
SCALE 1 : 60

Concrete to a depth of 280mm  
allowing 100mm of backfill to  
finished surface.





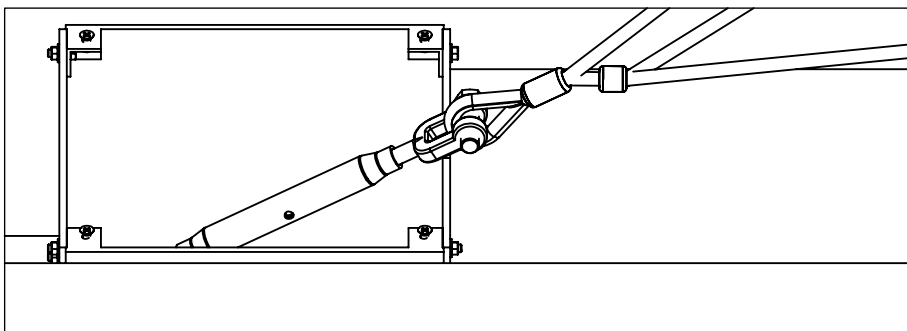
### Stage Four

- (3.1) Remove Packaging from Net & Mast
- (3.2) Lay the net out on the ground so all corners form a square shape and the aluminium dome is at the top.
- (3.3) Thread the mast through the middle squares of the net. See 1:1 and 1:2.
- (3.4) Push the aluminium dome into the top of the mast.

### Stage Five

The **Active 2000** activity net is now ready to be attached to the foundations.

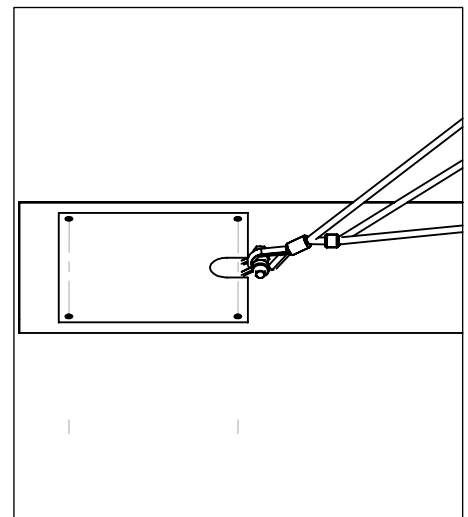
- (4.1) Lift the net and mast vertically and place of the central mast spigot.
- (4.2) Rotate the mast so that the nets guy ropes are directed towards the corner boxes.
- (4.3) Attach the ends of the nets guy ropes to the rigging screws at each corner using the bolts at the end of the rigging screws.

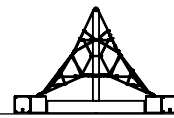


## Tensioning The Net

To complete the installation process, the net has to be tensioned by means of the rigging screws attached at each corner.

- (1) As the unit is set on a fixed framework, each corner should be tensioned equally to maintain the structures symmetry. The rigging screws should be tensioned using a steel bar or similar enabling increased torque to be applied.
- (2) Once the rigging screws have been tensioned, the guy ropes should be tight and should deflect no more than 50mm in any direction. Test this by pushing the guy ropes in various directions with your hand. If the rope moves greater than 50mm, increase the tension using the rigging screws.
- (3) Fix the lid of the box in place using the four securing bolts and allen key tool supplied.





## Maintenance & Inspection

### General

The **Act2000-1** activity net should be inspected and maintained in accordance with the recommendations as detailed in BS-EN 1176 part 7: Guidance on installation, inspection, maintenance and operation for playground equipment.

If any part of the equipment is found to be unsafe during an inspection and that part cannot be repaired or replaced immediately, the equipment unit or part(s) concerned should be secured against use. This may involve immobilisation or removal from site.

**Steel reinforced rope will stretch 1% during the first two weeks of use. It does not have elastic properties and will therefore not revert to its original length. Retension the net at this time**

**Important note:** The frequency of inspection will vary with the type of equipment or materials used and other factors, e.g. heavy use, levels of vandalism, coastal location, air pollution, age of equipment etc.

### Routine Visual Inspection

A routine visual inspection enables the identification of obvious hazards that can result from vandalism, use or weather conditions, e.g. broken parts.

A daily routine visual inspection is recommended especially for playground equipment that has heavy use and/or is subject to vandalism and should include the inspection of the following as a minimum:

1. General equipment and surface cleanliness
2. Equipment ground clearances are maintained
3. Foundations not exposed, loose in the ground or cracked
4. Parts not missing or damaged
5. Surface finishes not damaged, rusting or deteriorating
6. Connections and bolts are secure and tight
7. Bearings are free running
8. Safety surface (if installed) not compacted, damaged or contaminated

### Retension the Rope

Periodic checks on tension will help assist in the durability of the product.

After initial tension is complete, the net will stretch approximately 1% over the first two weeks of use. Following this initial period, the net needs to be fully retension by releasing the locking nuts and evenly re-tightening the rigging screws as done in the original installation.

It is recommended that subsequent checks on tension should be carried out at monthly intervals and adjusted as required.

For further information and technical assistance regarding the cone climber range, please contact the original manufacturers at:



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