



Product Range : Handpipes

BS EN 1176: 2008 Part 1

Certificate of Compliance

This is to certify that:

TNTY GROUP

Submitted equipment from their Commercial Range for assessment to the requirements of BS EN 1176

Having assessed the equipment based on the drawings provided we confirm that the equipment meets with the dimensional requirements of BS EN 1176:2008

Signed: 

Director: TNTY GROUP

Date: 25th February 2017

Handpipes Risk Assessment

Assessment Date: 25th February 2017

Assessor: Keith Dalton

Manufacturer: TNTY GROUP

Risk Assessment: Very Low Risk



Activity: Use of musical equipment item

Number of Persons at Risk: Users, plus spectators

Hazards Involved with the Activity:

- Collision
- Entrapment

Safety Measures/Controls:

- All design requirements to comply fully with the requirements of BS EN 1176 Part 1 incorporating, where required, criteria from all sections of the standard where it is deemed applicable to the safety of this item.
- The challenge (risk) associated with the use of the equipment is clearly foreseeable by the users.
- Age range: the intended age range for this item of equipment is for children of 3 years of age and above.
- A circulation Area of 1.00 metres is recommended to allow free movement for spectators around the item without moving into the space required for the safe use of the equipment.
- Correct siting of the equipment item within the installed environment to ensure free passage of playground users around the area.
- Detailed inspection and maintenance procedures to be provided for the equipment providing guidance on allowable tolerances during normal operation.

Risks remaining after the application of control measures:

Collision

With all control measures applied there will still be a risk remaining of users colliding with the equipment or with other users. It is considered that this remaining risk is of no significance, or any different from similar equipment item that incorporates this type of movement.

Given the provision of the safety measures detailed the remaining risk is considered to be 1 x 2
VERY LOW RISK

Additional Controls Required:

None

Risk Rating:

Likelihood		Severity	
1	Very Unlikely	1	Minor abrasion, light bruising
2	Not Very Likely	2	Small cuts, light sprains, more severe abrasion
3	Will happen at some time	3	Deep cuts, severe sprains etc. requiring medical intervention
4	Likely to happen	4	Injury requiring medical intervention and hospitalisation
5	Almost Certain to Happen	5	Permanent disability/death

Risk Score	Description	Action Required
1 – 5	Very Low Risk	Maintain control measures
6 – 10	Low Risk	Review control measures
11 – 15	Moderate Risk	Improve control measures
16 – 20	High Risk	Prevent access to item
21 – 25	Very High Risk	Remove from site

To establish the risk score multiply Likelihood by Severity

Controls Adequate:

Signed: 

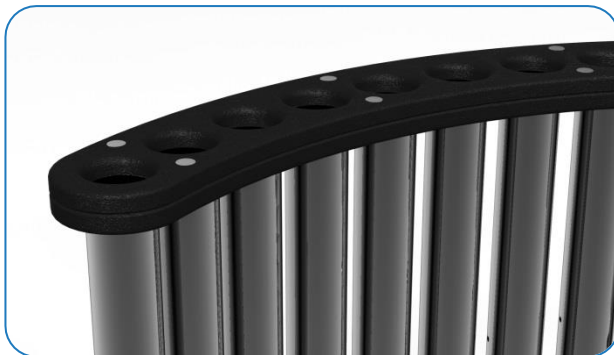
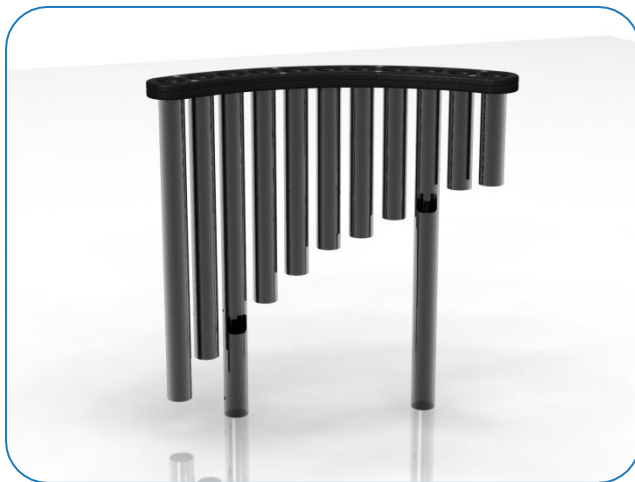
Date: 25th February 2017
TNTY GROUP

Assessment Review Date: 25th February 2018

Installation Instructions

Ground Fixed

Handpipes
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Weight of heaviest part **20kg** (Handpipes)

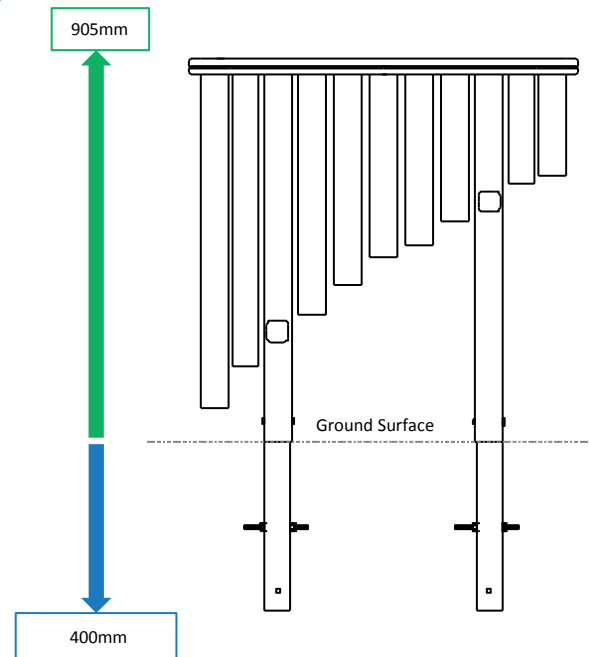
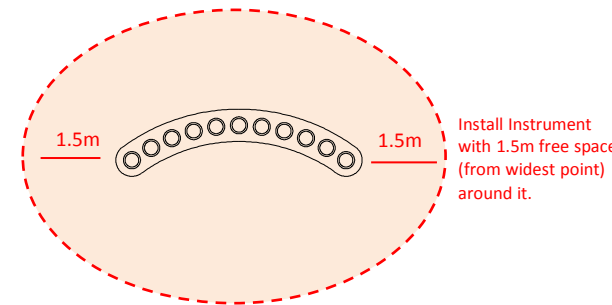
1. Handpipes will arrive on site assembled, Ground Fixings will need to be installed **(1.1)** (See **Assembly Guide**)

2. Attach Ground Fixing posts to legs (See **Ground Fix Post Installation Sheet**)

3. **Excavate 2 holes** for the Steel legs **250mm diameter by 400mm deep** in desired location upon decision from customer.

4. Locate (lower) legs into holes making sure they are vertical and level prior to concreting in place.

5. Once happy with location of the Instrument, **fill** holes using rapid hardening **concrete**. Be sure to compact concrete around legs and leave to dry according to manufactures guidelines.



Instrument Components:

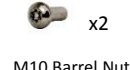
Instrument assembled

Metric Conversion:
250mm/ 10"
400mm/ 16"
905mm/ 35"
1.5m/ 59"



Played with hands

Ground Fix Components:



Spares available from
www.musical-play.com or
from your local distributor

25 Kg

Assembly Guide PPHAND

Ground Fixed

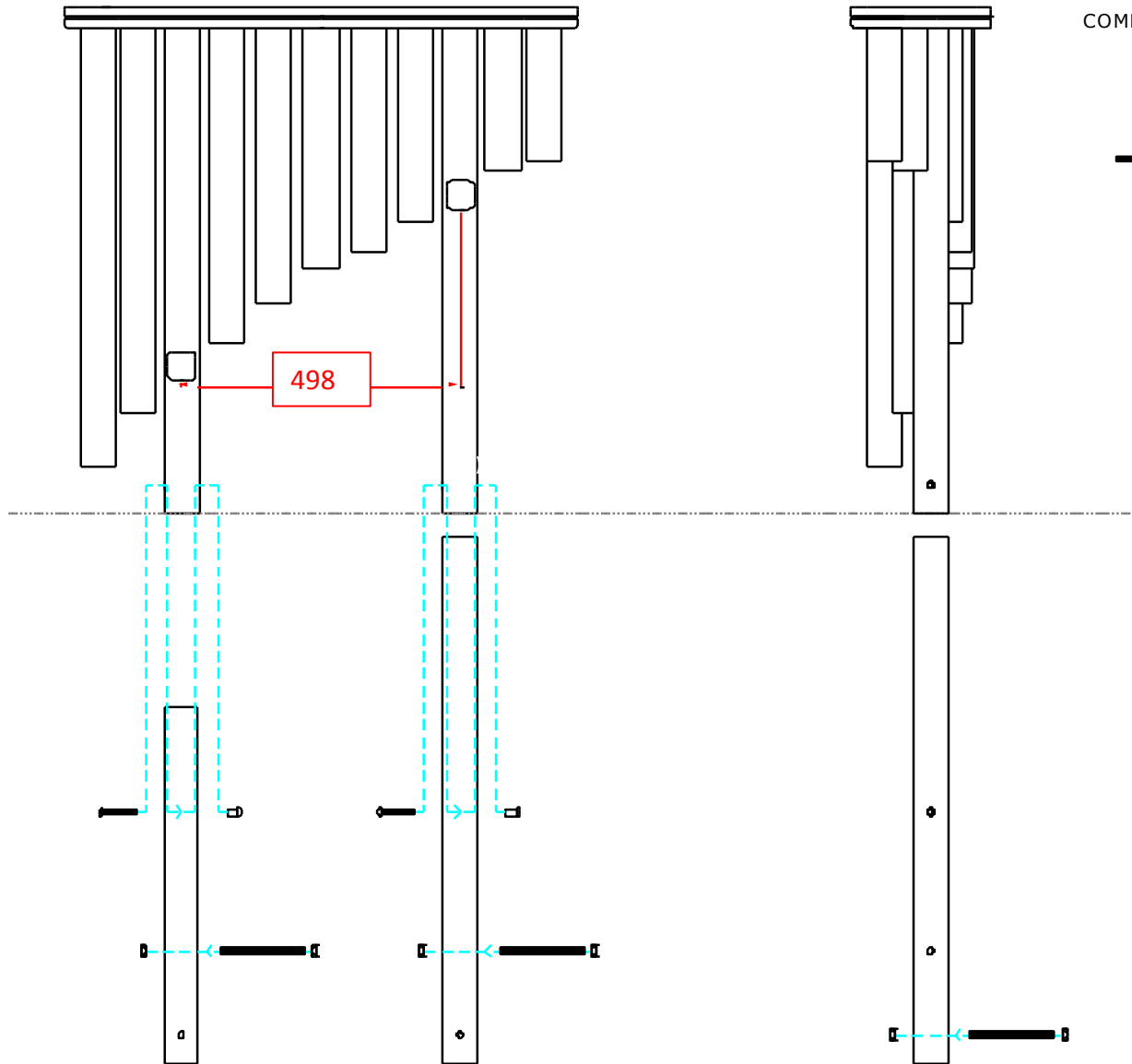
Handpipes
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Instrument
Components:

Instrument assembled

Thread Lock Solution
Required (Not Supplied)

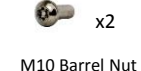


COMPONENTS LIST:

-  M10 Nut X8
-  M10x200 Th readed Bar X4
-  M10x60mm Security Screw X2
-  M10 Barrel Nut X2



Ground Fix
Components:



Spares available from
www.musical-play.com or
from your local distributor

25 Kg

Ground Fix Post Installation

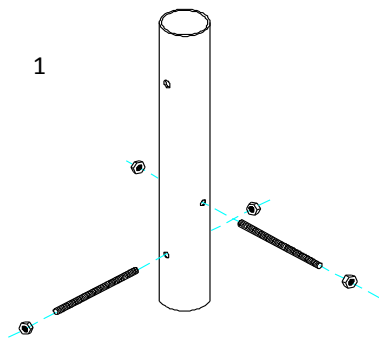
Tools:

 x2
TX 45 Driver Bit

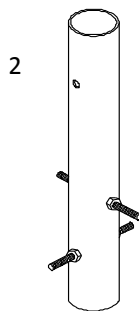
Foundations should not present a hazard. These foundations are recommended as a guide, for more information on foundation details for various surface see Part 7 of BS EN 1176.

Ground Fixed

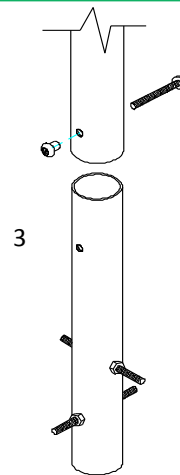
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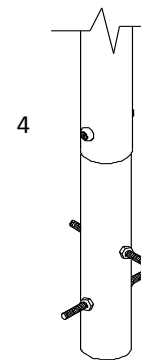
1 Insert M10x 200 Threaded bar into pre drilled holes in Ground Fixing Post



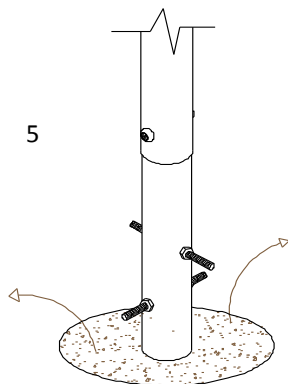
2 Fix M10x 200 Threaded bar in place using M10 Nuts



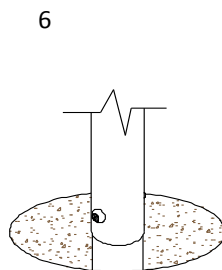
3 Locate the Ground fix Post into the leg of the instrument.



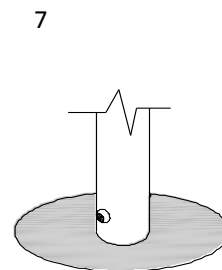
4 Fix instrument to Ground fix post using M10 bolt and Barrel Nut and use **thread locking solution** to prevent fixings working loose.



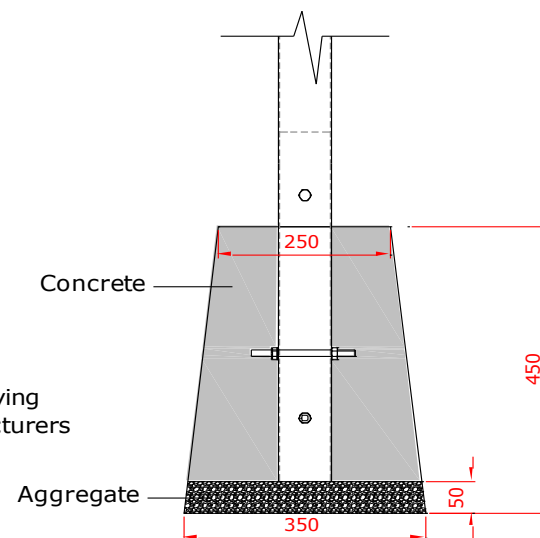
5 Excavate 6 holes with a 250mm diameter tapering down to 350mm diameter and 450mm depth



6 Compact base of hole with 50mm of aggregate. Lower ground Fix post attached to instrument into hole (check instrument straight and level before filling with concrete)



7 Fill hole with fast drying concrete to manufacturers specifications.



Repeat points 1-7. Handpipes requires 2 Ground Fix Posts

400mm min depth

Components:

 x4
M10x200 Bolt

 x8
M10 Nut

 x2
M10 Barrel Nut

 x2
M10x60 Security Screw

Metric Conversion:
50mm/ 2"
250mm/ 10"
350mm/ 14"
400mm/ 16"
450mm/ 18"