



the **play inspection** company

*the safest hands around playgrounds*

**Product Range : Handpipes**

**BS EN 1176: 2008 Part 1**

# Certificate of Compliance

This is to certify that:

**Percussion Play Ltd**

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: The Play Inspection Company

Date: 25th February 2017



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## Handpipes Risk Assessment

Assessment Date: 25<sup>th</sup> February 2017

Assessor: Keith Dalton

Manufacturer: Percussion Play Ltd

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: 25<sup>th</sup> February 2017

The Play Inspection Company Ltd

Assessment Review Date: 25<sup>th</sup> February 2018

# Installation Instructions



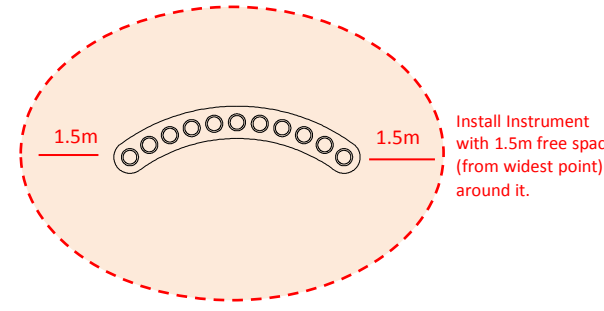
1. Handpipes will arrive on site assembled, Ground Fixings will need to be installed **(1.1)** (See **Assembly Guide**)

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.

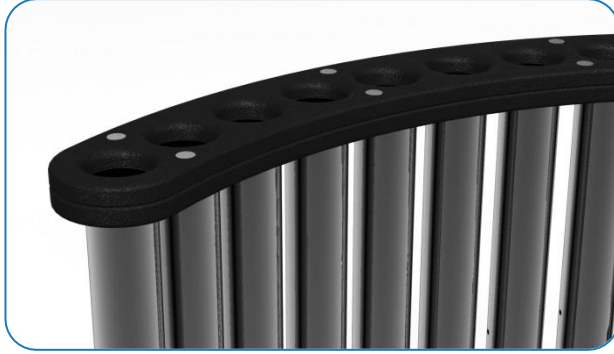


## Ground Fixed

Handpipes  
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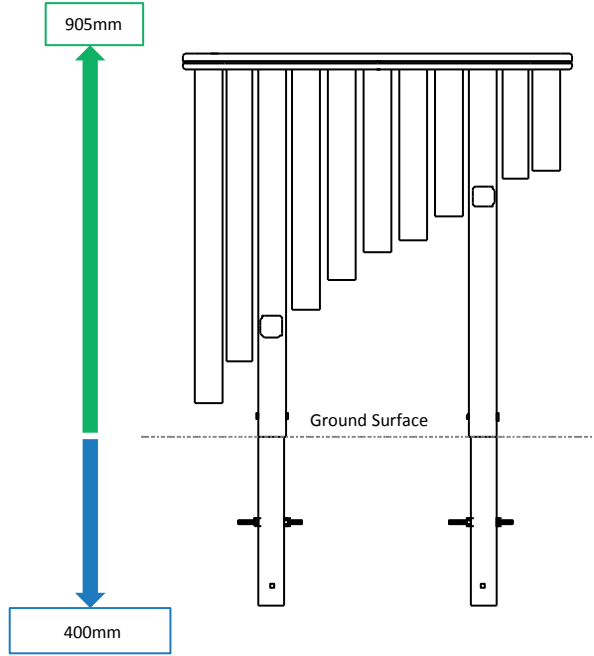


Instrument Components:  
Instrument assembled



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

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



Ground Fix Components:

-  x4  
M10x200 Bolt
-  x8  
M10 Nut
-  x2  
M10x60 Security Screw
-  x2  
M10 Barrel Nut

Spares available form  
[percussionplay.com](http://percussionplay.com) or from your  
local distributor

**25 Kg**

# Assembly Guide PPHAND

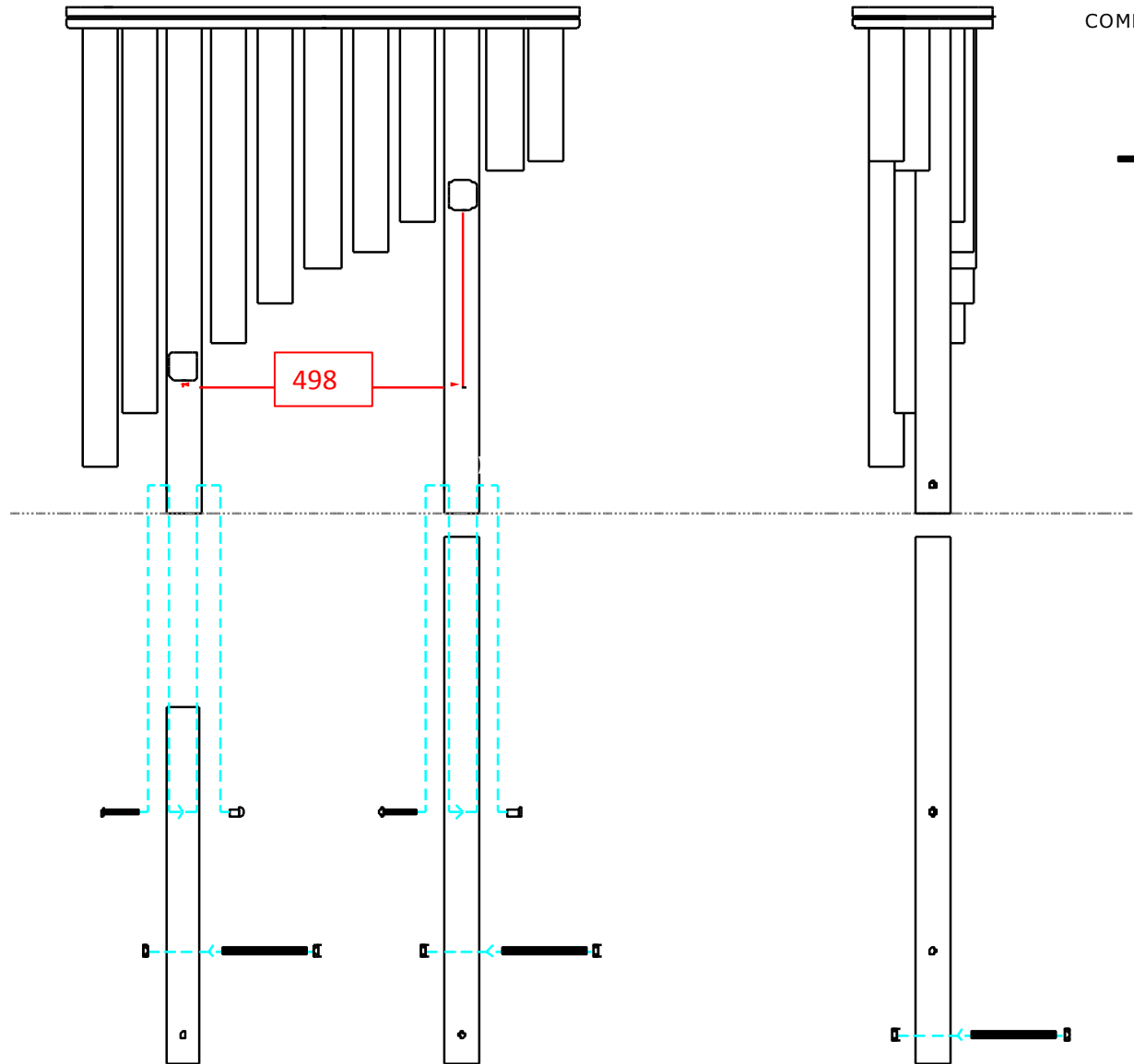
## Ground Fixed

Handpipes  
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Instrument  
Components:

Instrument assembled



### COMPONENTS LIST:

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

Thread Lock Solution  
Required (Not Supplied)



Ground Fix  
Components:

-  x4  
M10x200 Bolt
-  x8  
M10 Nut
-  x2  
M10x60 Security Screw
-  x2  
M10 Barrel Nut

Spares available from  
[percussionplay.com](http://percussionplay.com) or from your  
local distributor

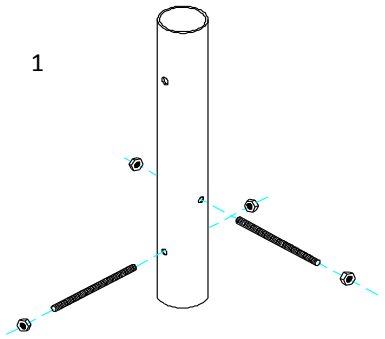
25 Kg

# Ground Fix Post Installation

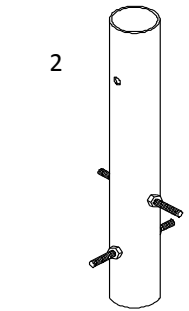
**Tools:**  
x2  
TX 45 Driver Bit

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.

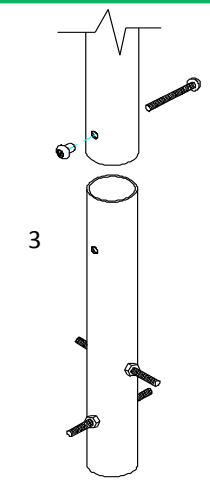
**Ground Fixed**  
Handpipes  
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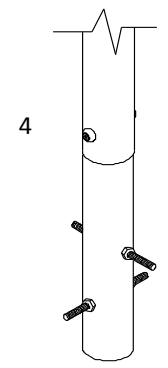
1 Insert M10x 200 Threaded bar into pre drilled holes in Ground Fixing Post



2 Fix M10x 200 Threaded bar in place using M10 Nuts



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

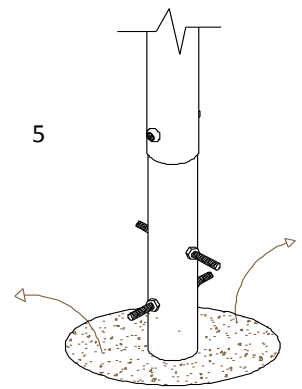


4 Fix instrument to Ground fix post using M10 bolt and Barrel Nut and use **thread locking solution** to prevent fixings working loose.

**Components:**

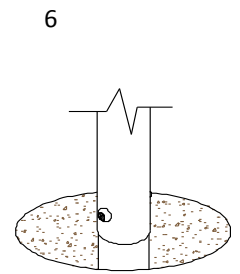
-  x4
-  M10x200 Bolt
-  x8
-  M10 Nut
-  x2
-  M10 Barrel Nut
-  x2
-  M10x60 Security Screw

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

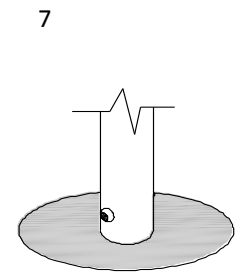


5 Excavate 6 holes with a 250mm diameter tapering down to 350mm diameter and 450mm depth

**400mm min 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**

