

Installation Instructions



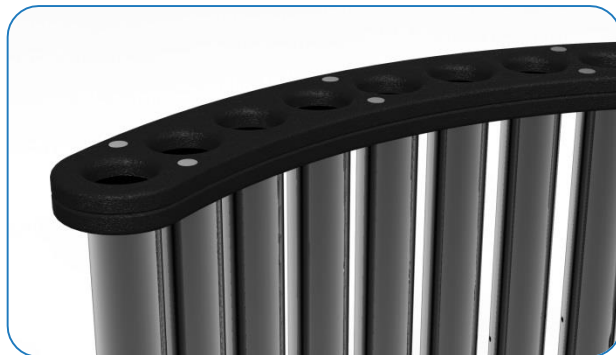
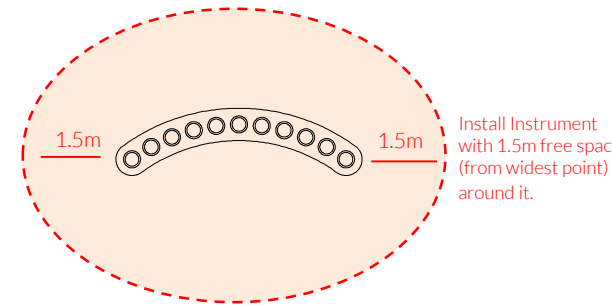
1. Handpipes will arrive on site assembled, Ground Fixings will need to be installed **(1.1)** (See Assembly Guide)

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

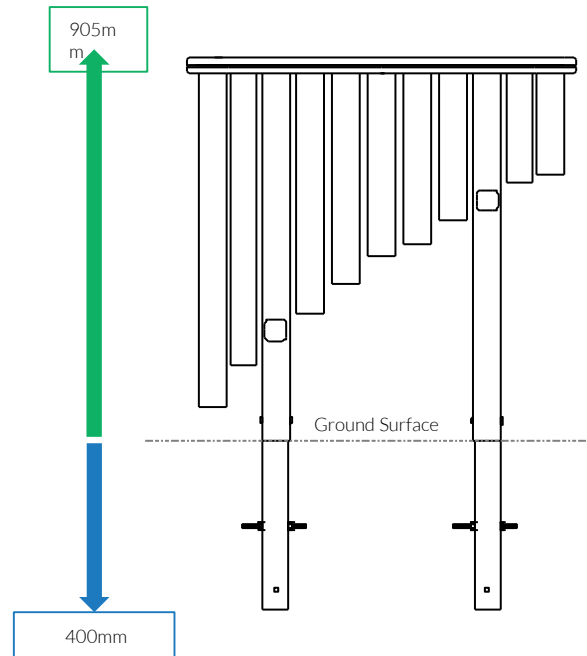
3. Excavate **2** holes for the Steel legs **250mm diameter** by **400mm deep** in desired location upon decision from customer.

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.



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



Ground Fixed

Handpipes
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Instrument
Components:

Instrument assembled

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



Ground Fix
Components:

-  x4
-  x8
-  x2
-  x2

25 Kg

Assembly Guide PPHAND



Ground Fixed

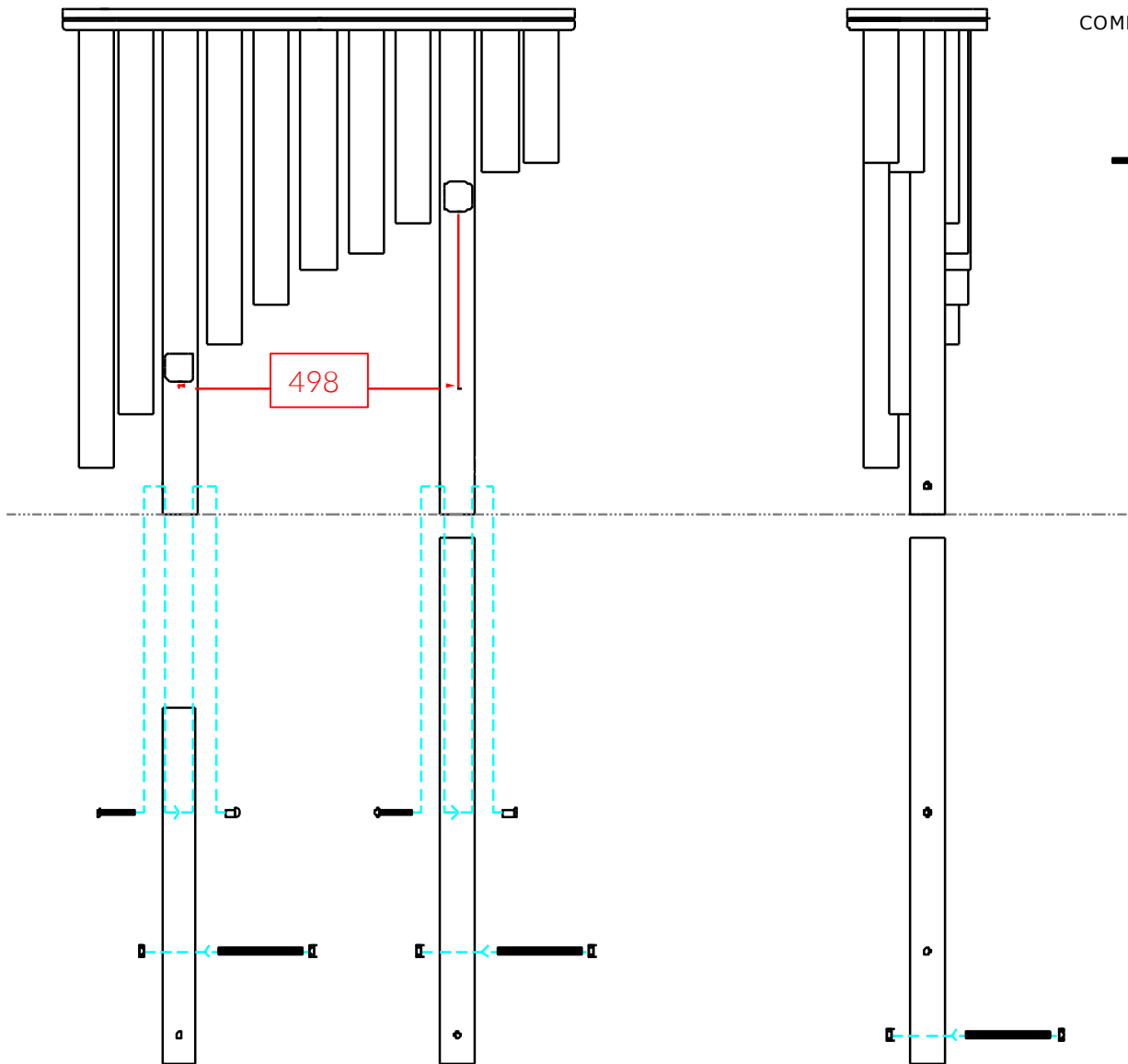
Handpipes
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Instrument
Components:

Instrument assembled

Thread Lock Solution
Required (Not Supplied)



COMPONENTS LIST:

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

Ground Fix
Components:

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

25 Kg

Ground Fix Post Installation

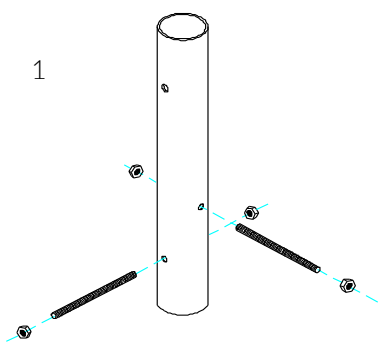
Tools:

x2
TX 45 Driver Bit

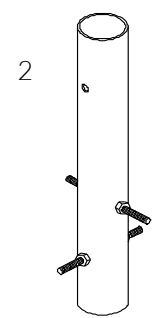
Foundations should not present a hazard. These foundations are recommended as a guide, for more information on foundation details for various surface see Part 7 of BS EN 1176.

Ground Fixed

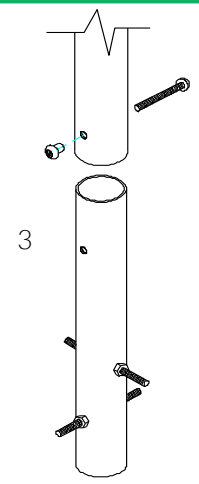
Handpipes
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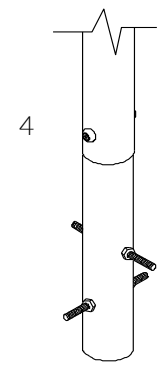
1 Insert M10x 200 Threaded bar into pre drilled holes in Ground Fixing Post



2 Fix M10x 200 Threaded bar in place using M10 Nuts



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

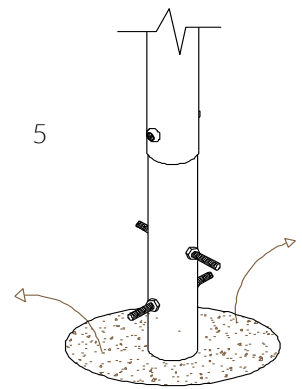


4 Fix instrument to Ground fix post using M10 bolt and Barrel Nut and use **thread locking solution** to prevent fixings working loose.

Components:

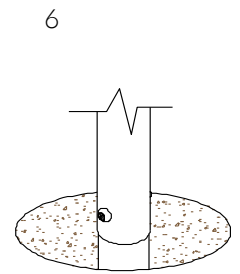
- x4
- x8
- x2
- x2

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

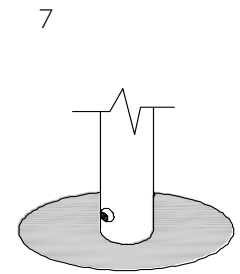


5 Excavate 6 holes with a 250mm diameter tapering down to 350mm diameter and 450mm depth

400mm min depth



6 Compact base of hole with 50mm of aggregate. Lower ground Fix post attached to instrument 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

