

Installation Instructions

Ground Fixed

Liberty Bells
Page 1 of 3



Weight of heaviest part **8Kg** (Large Bell)

Metric Conversion:
400mm/ 16"
1650mm/ 64 61/64"
1.5m/ 59"

1. Lay packaging out on floor and clear workspace with non-abrasive surface for assembly to prevent marking of polished stainless steel.

2. Unpack ground fixing extensions.

3. Cluster extensions together with M10 tapped holes facing outward and ground fixing holes aligned (See Page 3). Insert M10x200mm threaded bars into ground fixing holes and secure loosely with M10 BZP nuts.

4. Unpack Liberty Bell chimes.

5. Align the first small chime grate with the dowels on the end of the smallest post. Screw C5 (Indigo) chime onto the smallest post, over chime grate.

6. Repeat in ascending order of post height, matching the bells in ascending order of size. The three small chime grates match with the three smaller bells, and the three larger match with the three largest bells.

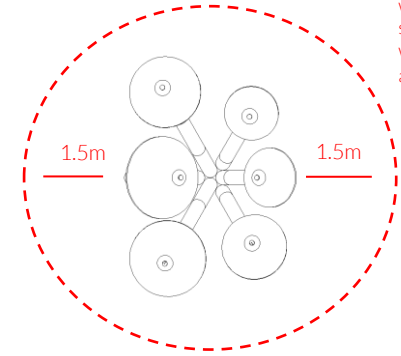
7. Excavate a hole for the frame **250mm diameter, tapering down to 350mm, 450 deep** in desired location upon decision from customer.

8. Fill bottom 50mm of hole with compressed aggregate.

9. Locate (lower) frame into hole making sure that the stems are straight and upright. **Do not bury the bolt and barrel nut holes.**

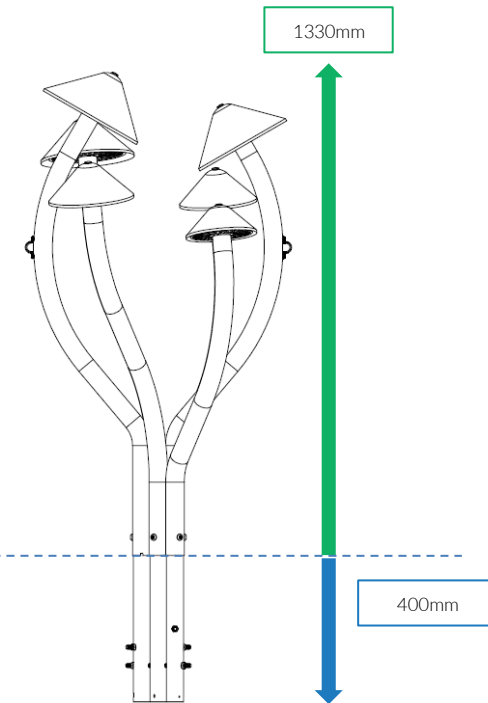
10. Once happy with location of the instrument, **fill** hole using rapid hardening **concrete**. Be sure to compact concrete around legs and leave to dry according to manufactures guidelines.

CAUTION: Frame surface can get hot in direct sunlight, if possible install in shaded areas.



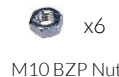
Install Instrument with 1.5m free space (from widest point) around it.

Ground Surface



Small Beaters X4

Ground Fix Components:



Spares available from percussionplay.com or from your local distributor

24 Kg

Bell Assembly



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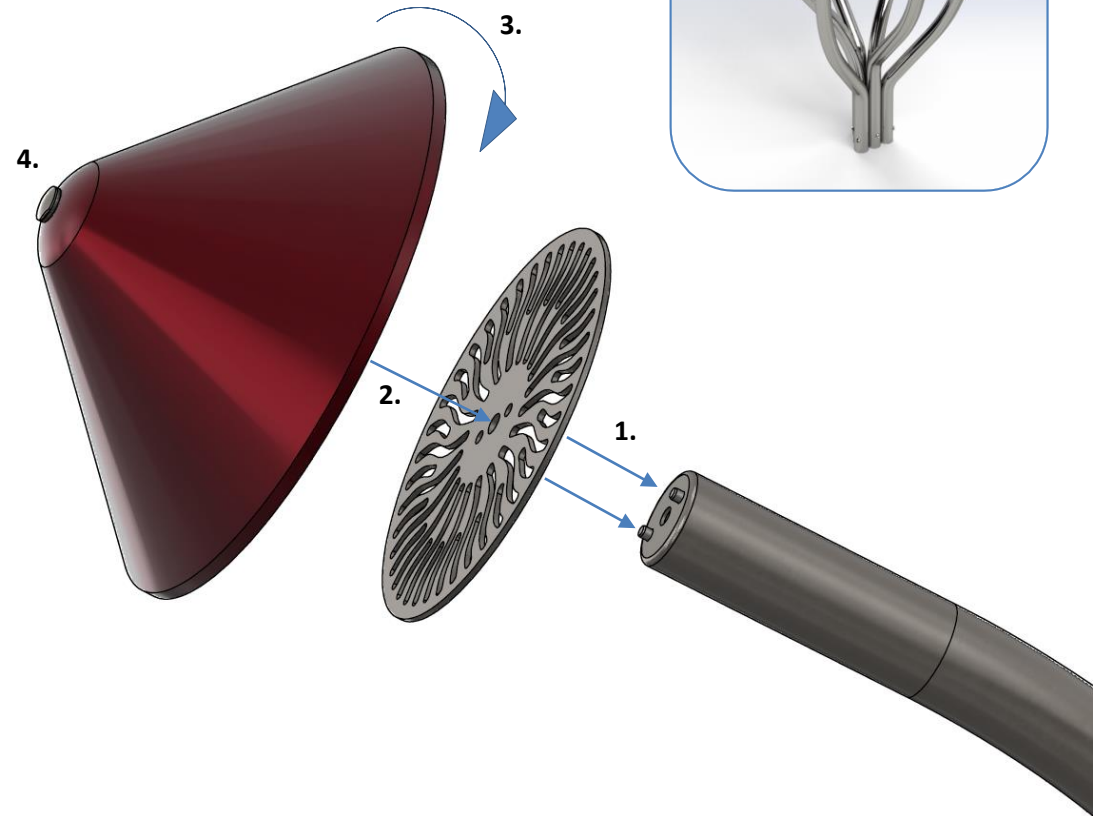


1. Align chime grate with dowels and place on end of post. Ensure you have matched the correct grate size to the post (the larger match with the three larger posts and bells).

2. Select matching bell to secure onto the post. Align and gently begin to fasten clockwise.

3. With comfortable alignment, continue to rotate bell down onto post until fastened securely. Pre-applied threadlocker on the end of the bell's screw will prevent the bell from unfastening.

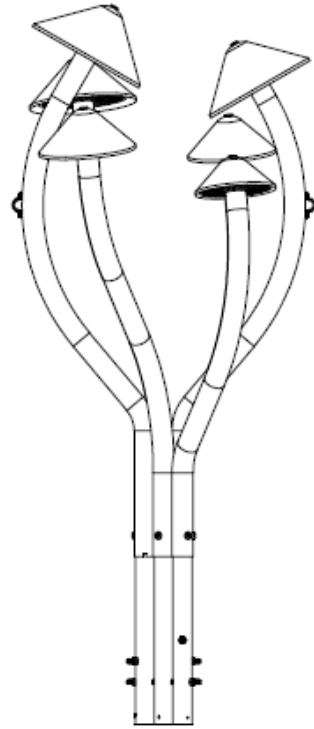
4. Lastly tighten pan-head screw on top of bell gently with spanner (16mm).



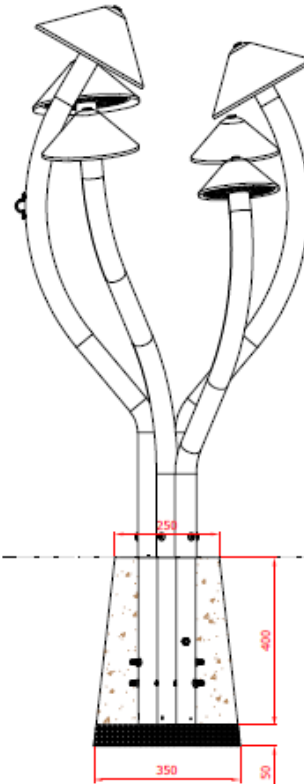
Small
Beaters X4

Ground Fix Installation

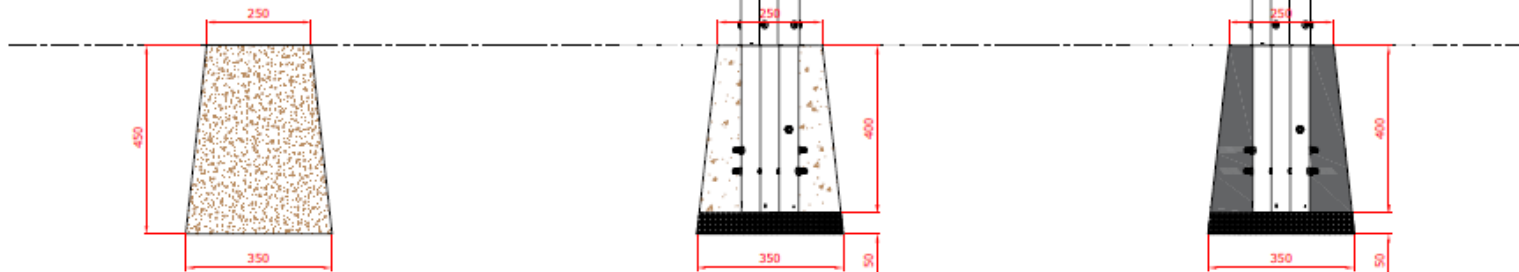
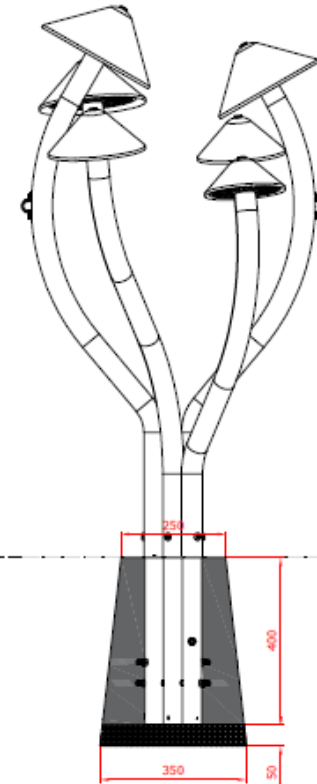
1. Excavate a hole with a 250mm diameter tapering down to 350mm diameter and 450mm depth.



2. Compact base of hole with 50mm of aggregate. Lower ground fix cluster attached to instrument into hole (check instrument straight and level before filling with concrete), ensuring 50mm of clearance between the ground and the bolt & barrel nut holes.



3. Fill hole with fast drying concrete to manufacturers specifications.



Foundations should not present a hazard. These foundations are recommended as a guide, for more information on foundation details for various surface see Part 1 of BS EN 1176.

Ground Fixed

Liberty Bells
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Components:



x3

M10x200 Threaded Bar



x6

M10 BZP Nut

Metric Conversion:

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

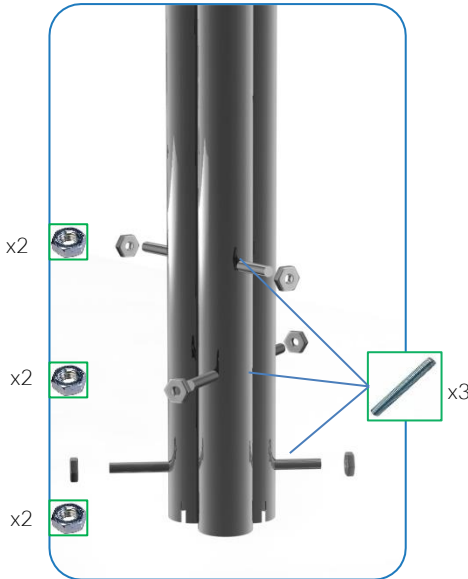
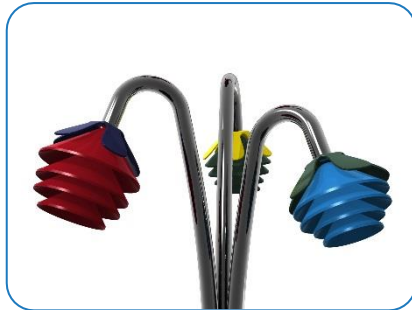


MADE IN BRITAIN

BS EN 1176

Installation Instructions

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Harmony Bells
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Weight of heaviest part **8Kg** (Large Bell)

Metric Conversion:
400mm/ 16"
1650mm/ 64 61/64"
1.5m/ 59"

1. Lay packaging out on floor and clear workspace with non-abrasive surface for assembly to prevent marking of polished stainless steel.

2. Unpack ground fixing extensions.

3. Cluster extensions together with M10 tapped holes facing outward and ground fixing holes aligned (**See Page 3**). Insert M10x200mm threaded bars into ground fixing holes and secure loosely with M10 BZP nuts.

4. Unpack Bell Flowers and posts.

5. Screw Bell Flowers on to their respective posts (**See Page 2**).

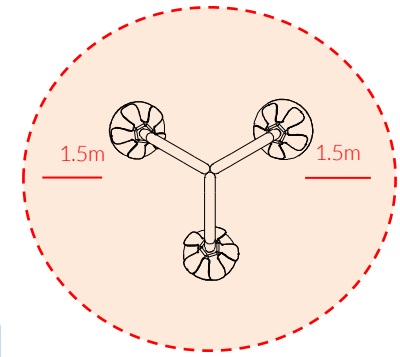
6. Sleeve each post over an extension (clustered) and secure with an M10x40 Screw. Ensure their orientation and configuration is correct before tightening.

7. Excavate a hole for the frame **250mm diameter, tapering down to 350mm, 450 deep** in desired location upon decision from customer.

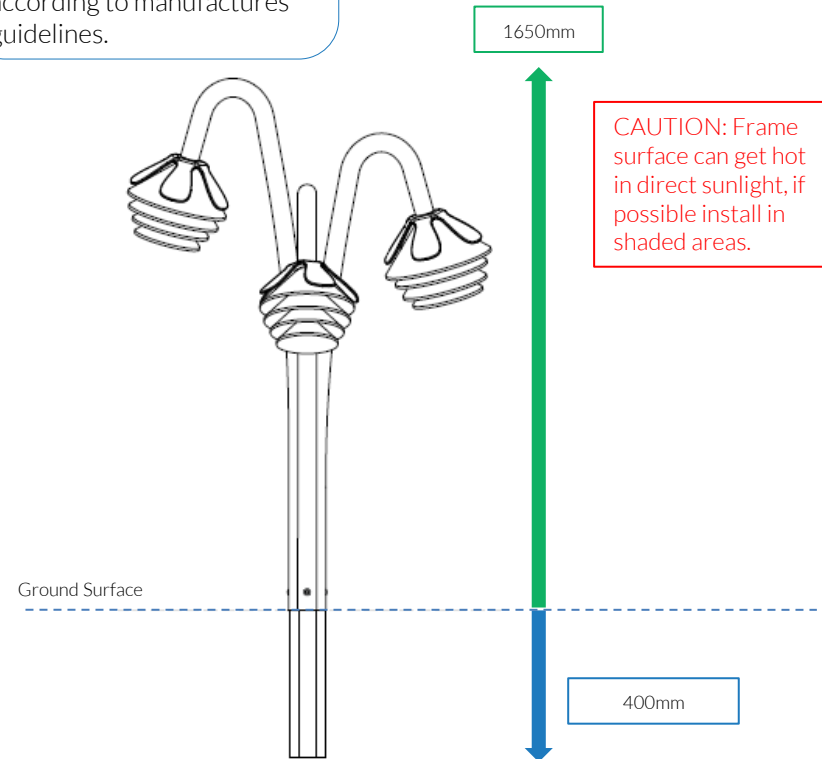
2. Fill bottom 50mm of hole with compressed aggregate.

9. Locate (lower) frame into hole making sure that the flowers are level and upright. **Do not bury the bolt and barrel nut holes.**

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

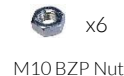


Install Instrument with 1.5m free space (from widest point) around it.



Small Beaters X3

Ground Fix Components:

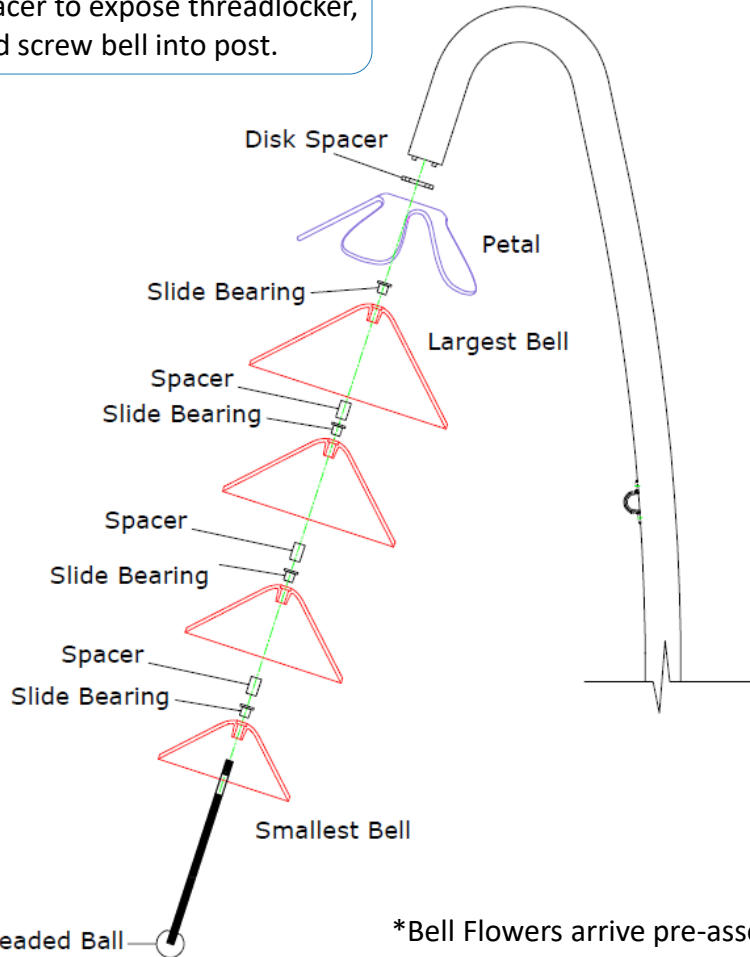


Spares available from percussionplay.com or from your local distributor

24 Kg

Installation Instructions

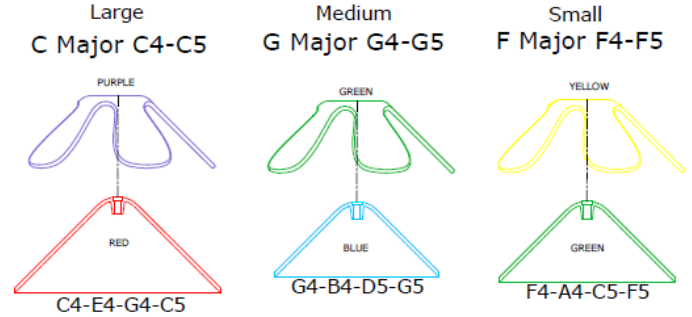
Remove nylon nut and 40mm spacer to expose threadlocker, and screw bell into post.



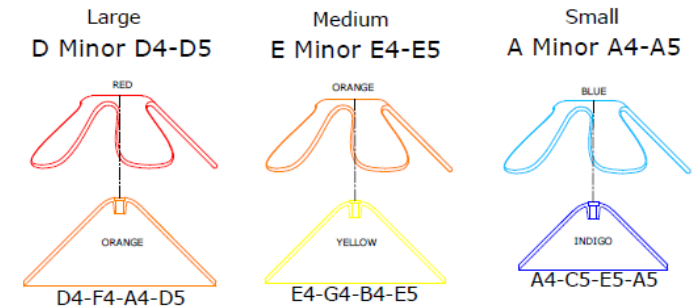
*Bell Flowers arrive pre-assembled.

PETAL & BELL COLOUR COMBINATIONS

Major Posy



Minor Posy



Ground Fixed

Harmony Bells
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Components:



Small
Beaters X3

Tools:
 x1
 TX 45 Driver Bit

Ground Fixed

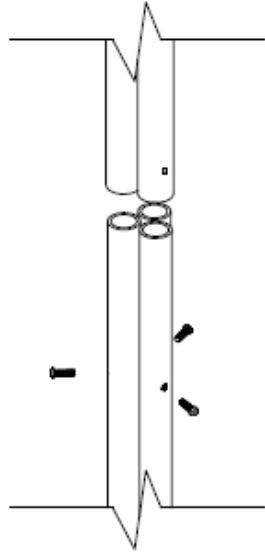
Harmony Bells
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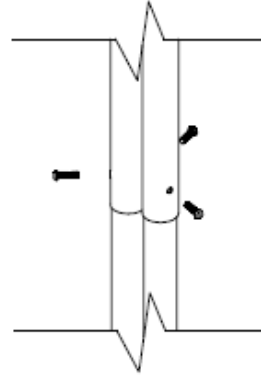
Components:



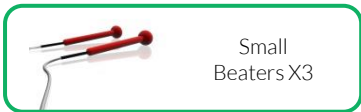
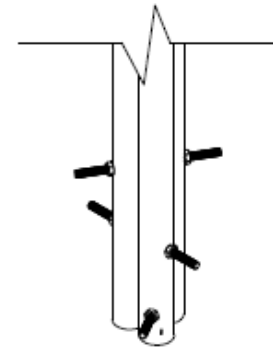
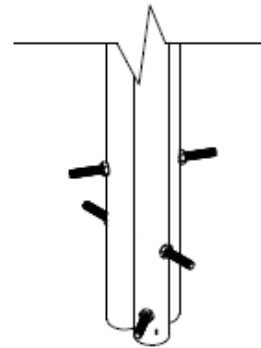
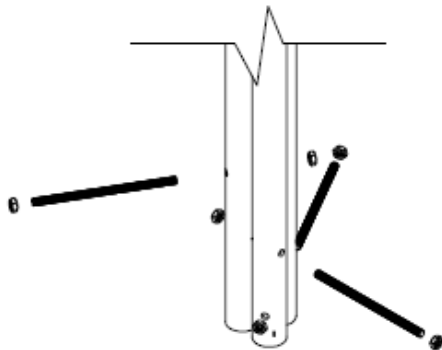
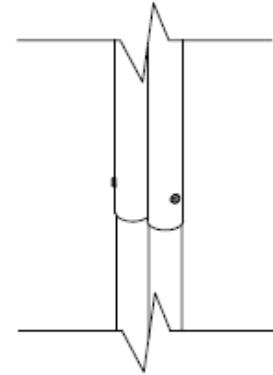
1.



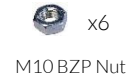
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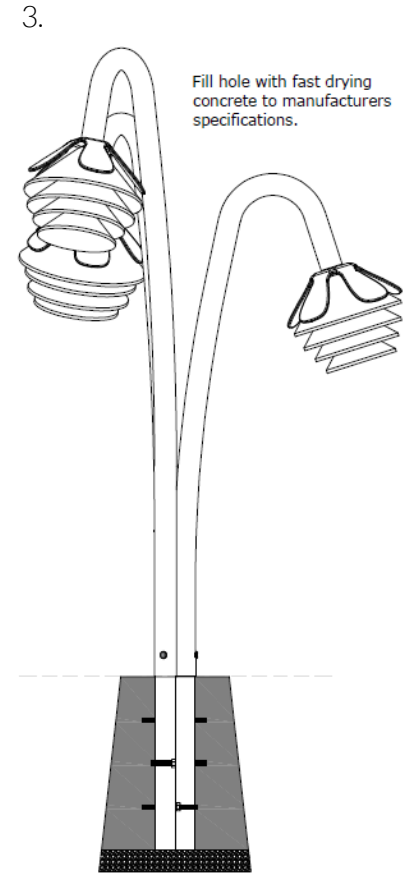
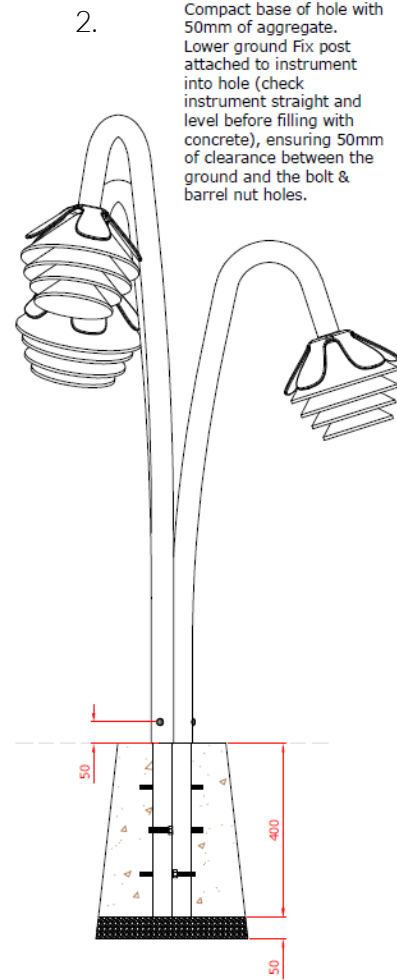
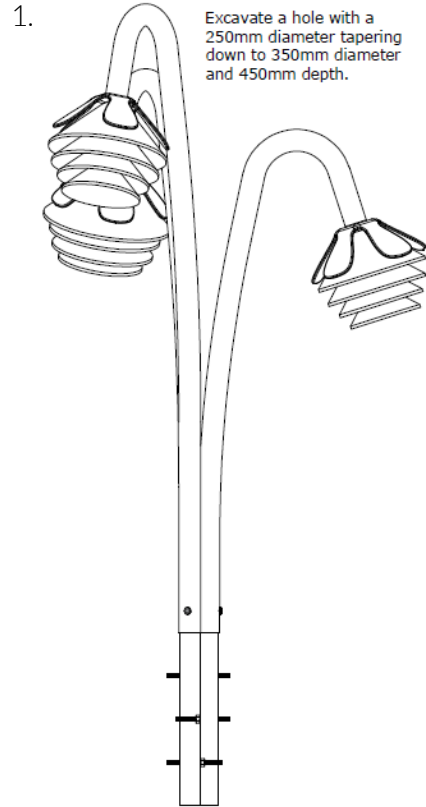
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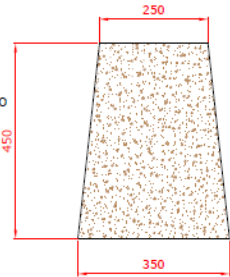
Ground Fix
 Components:



Ground Fix Installation



If Flower needs to be positioned lower a deeper hole can be excavated.



Foundations should not present a hazard. These foundations are recommended as a guide, for more information on foundation details for various surface see Part 1 of BS EN 1176.

Ground Fixed

Harmony Bells
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Components:



x3

M10x200 Threaded Bar



x6

M10 BZP Nut

Metric Conversion:

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



BS EN 1176

Installation Instructions

Ground Fixed
Petal Drum
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Weight of heaviest part 7.5kg

1. Attach Petal Drum section to frame with security screws provided. (1.1) (See Assembly Guide)

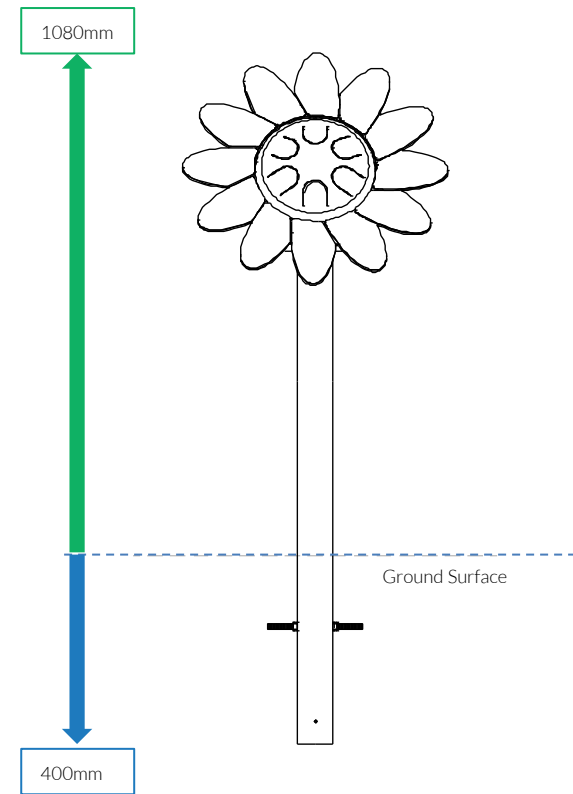
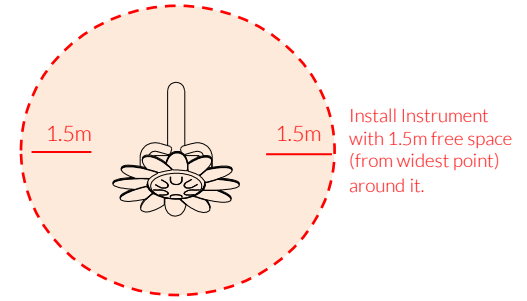
2. Attach Ground Fixing studs holes in base of centre post (1.2) (See Ground Fix Post Installation Sheet)

3. Excavate 1 hole for the Steel legs 250mm diameter by 450mm deep in desired location upon decision from customer.

4. Locate (lower) leg into hole, making sure it is 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 manufacturers guidelines.

6. Attach the 1 of the beaters to each of the saddle strap on the hex frame. (1.3)



Metric Conversion:
250mm/ 10"
400mm/ 16"
450mm/ 18"
1080mm/ 42.5"
1.5m/ 59"



Pair Small Black Beaters X1

Ground Fix Components:



M10x200 Bolt x2 M10 Nut x4

Spares available from percussionplay.com or from your local distributor

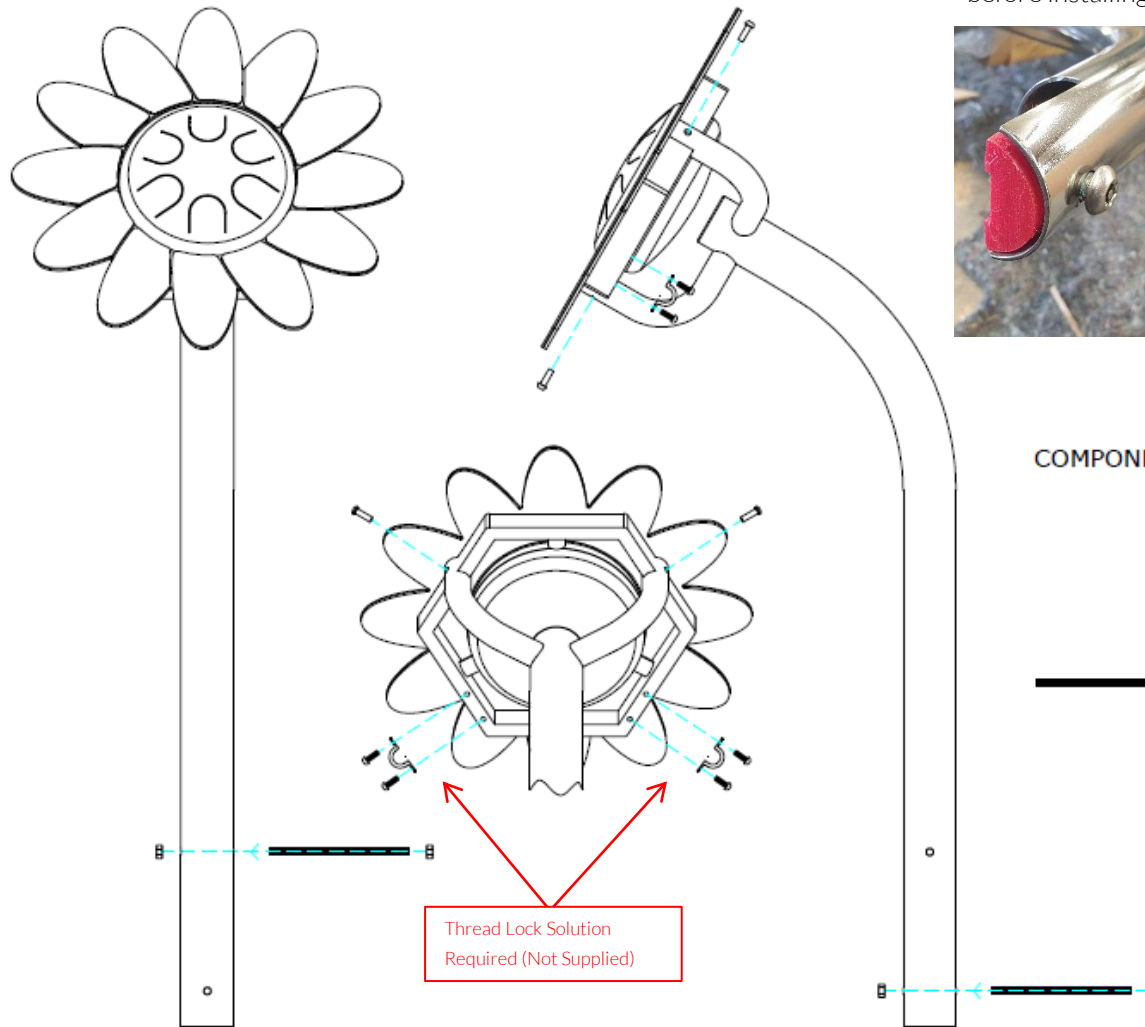
12.5 Kg

Tools:
 x1
 TX 30 Driver Bit






Install 3X PU Inserts into each arm before installing petal section



Ground Fixed
Petal Drum
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COMPONENTS LIST:

-  **M8x30 Pin torx X3**
-  **M10 Nut X4**
-  **M10x200 Threaded Bar X2**
-  **Saddle Strap X2**
-  **M6x20 Pin torx X4**

Instrument Components:

-  x4
M6x20 Security Screw
-  x2
M6 Saddle Strap

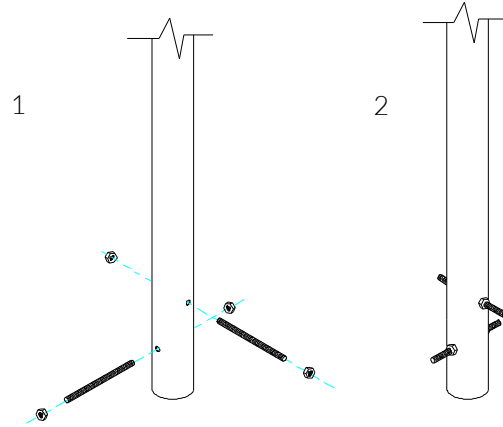
Thread Lock Solution
Required (Not Supplied)



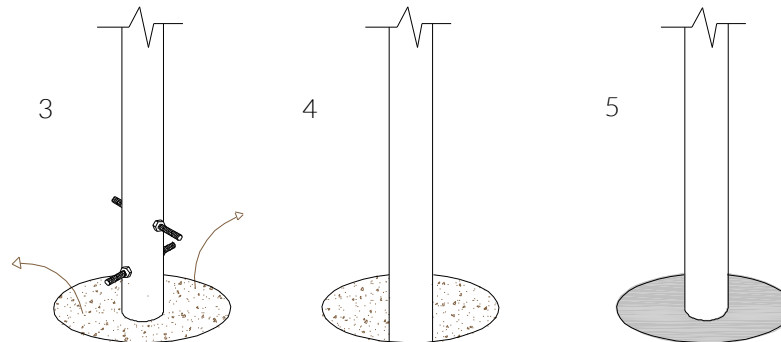
Ground Fix Components:

-  x2
M10x200 Bolt
-  x4
M10 Nut

Ground Fixed
Petal Drum
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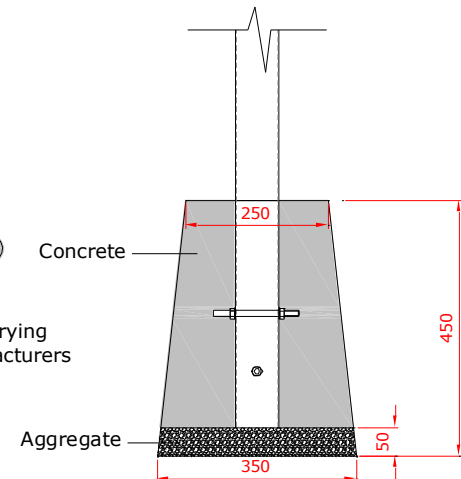
Fix M10x 200 Threaded bar in place using M10 Nuts



Excavate 1 holes with a 250mm diameter tapering down to 350mm diameter and 450mm depth

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)

Fix hole with fast drying concrete to manufacturers specifications.



400mm min depth

Components:



x2

M10x200 Bolt



x4

M10 Nut

Metric Conversion:

- 50mm/ 2"
- 250mm/ 10"
- 350mm/ 14"
- 400mm/ 16"
- 450mm/ 18"



MADE IN BRITAIN

BSEN 1176