

Installation Instructions

Ground Fixed

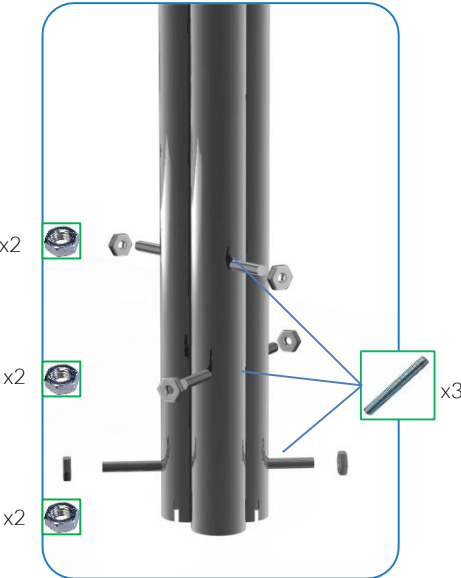
Babel Drum
Page 1 of 3



Instrument Components:



Metric Conversion:
200mm/ 8"
400mm/ 16"
530mm/ 20 55/64"
680mm/ 26 49/64"
700mm/ 27 9/16"
850mm/ 33 15/32"
980mm/ 38 37/64"
1.5m/ 59"



Weight of heaviest part **17.5kg** (Large Babel Drum)
Weight of heaviest part **13.4kg** (Small Babel Drum)

1. Unpack ground fixing legs 3no.

2. Lay packaging out on floor or assemble on non-abrasive surface to prevent marking of polished stainless steel.

3. Align holes on legs (opposite end to polished domes) and secure in place using 3no. M10 x 200mm threaded bar and 6no. M10 nuts provided
Tools required 2no. 17mm metric spanner/wrench (11/16 inch or alternatively using adjustable wrench)

4. Invert assembled frame so domed ends face upwards.

5. Place 8mm Hex Key supplied into hole in leg and lock into internal bolt.

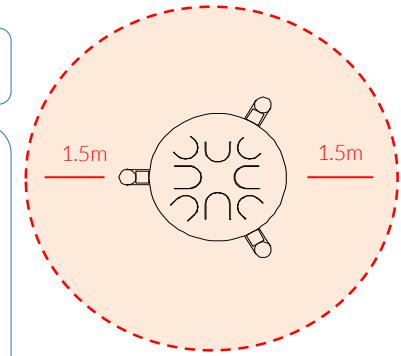
6. Remove Black caps opposite side of leg and keeping Hex Key in place, slide black polyurethane damper over bolt until flush with end of bolt. Repeat for other 2 legs

7. Unpack babel drum leaving black film in place to protect.

8. Align holes in side of babel drum with bolts on legs.

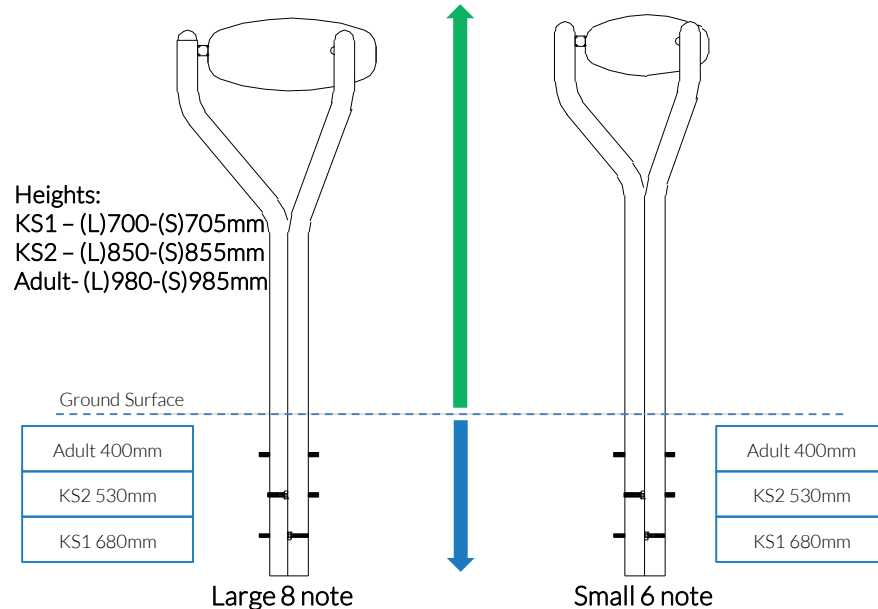
9. Using 8mm Hex Key screw bolts into drum to secure in place.
Use thread locking solution
All hole locations are laser cut for accuracy to ensure holes in drum align perfectly with legs.

10. Using TX40 driver provided secure M8 x 25mm security bolts into external holes in legs 3no. Use thread lock solution

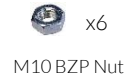


Install Instrument with 1.5m free space (from widest point) around it.

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



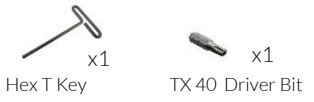
Ground Fix Components:



Spares available from percussionplay.com or from your local distributor

22 Kg
13.4 Kg

Tools:



Hex T Key x1 TX 40 Driver Bit x1

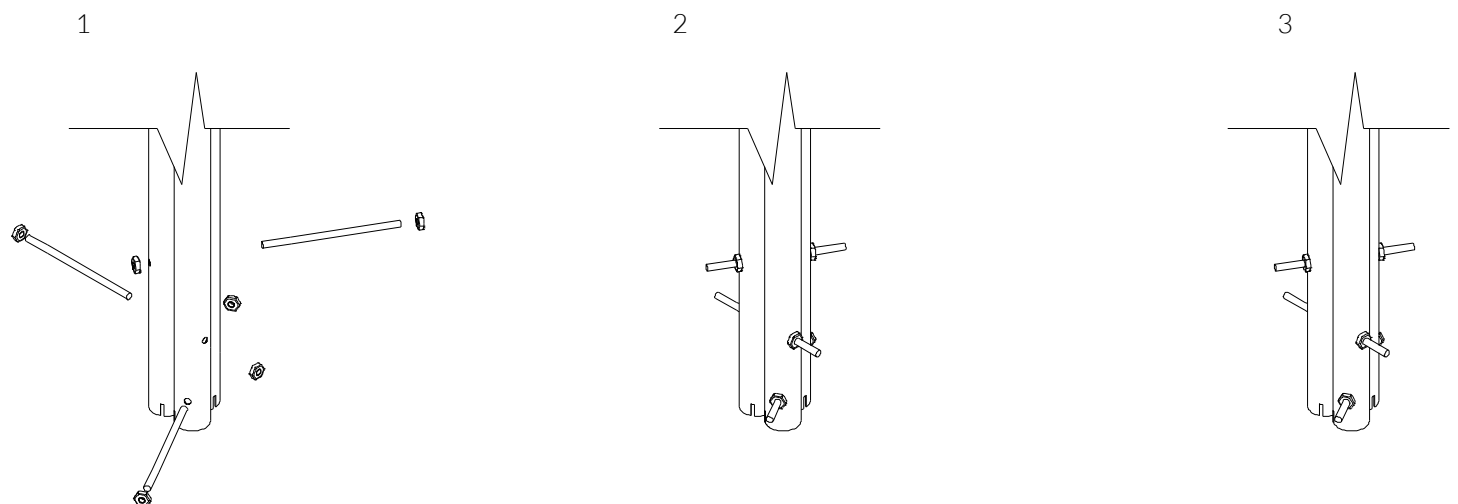
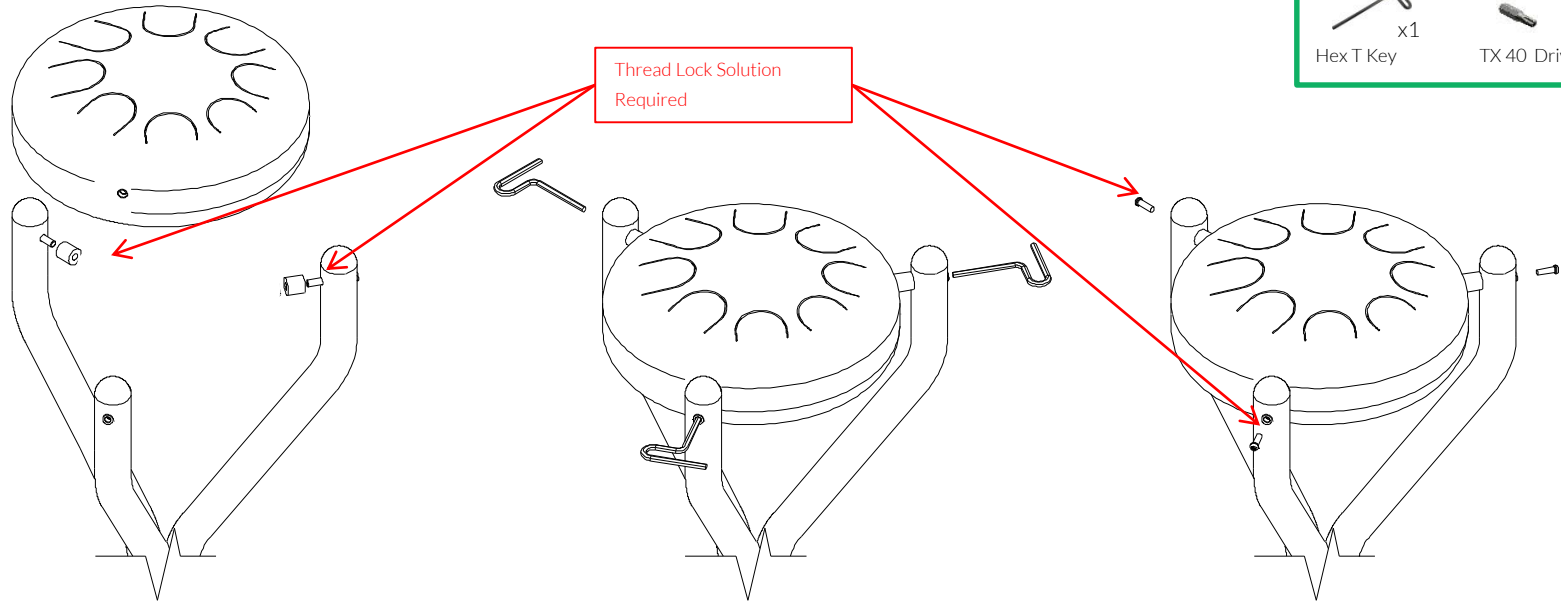
Ground Fixed
Babel Drum
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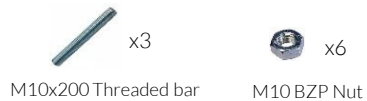
Instrument Components:



Thread Lock Solution Required



Ground Fix Components:

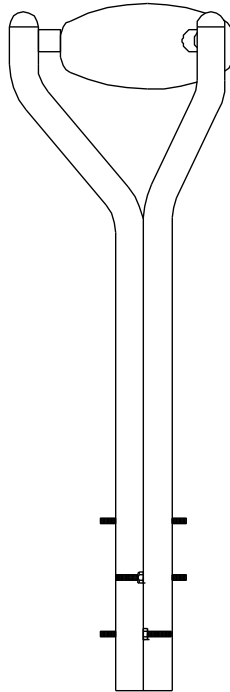
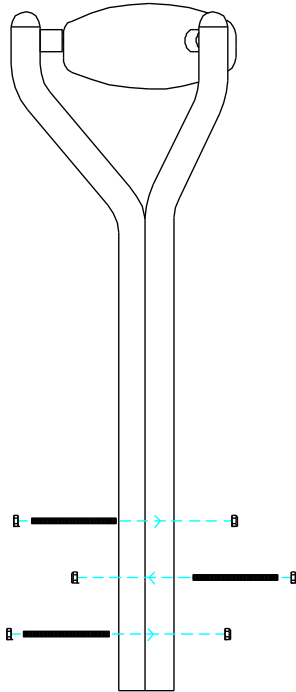


Spares available from
percussionplay.com or from your
local distributor

22 Kg
13.4 Kg

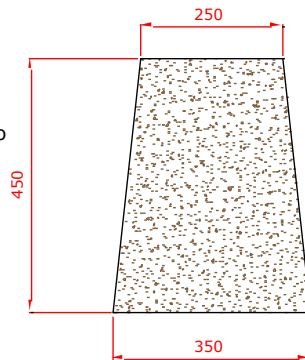
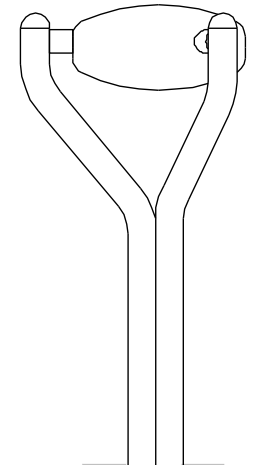
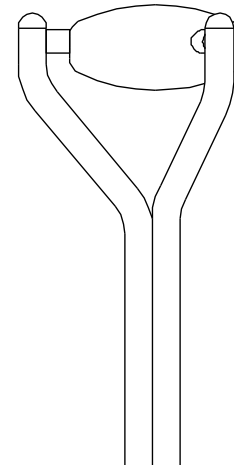
Ground Fix Installation

- 1 Insert M10x 200 Threaded bar into pre drilled holes in Frame of Babel Drum using M10 BZP Nuts
- 2 Excavate a holes with a 250mm diameter tapering down to 350mm diameter and 450mm depth



- 3 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)

- 4 Fill hole with fast drying concrete to manufacturers specifications.



If Drum 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 7 of BS EN 1176.

Ground Fixed

Babel Drum
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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



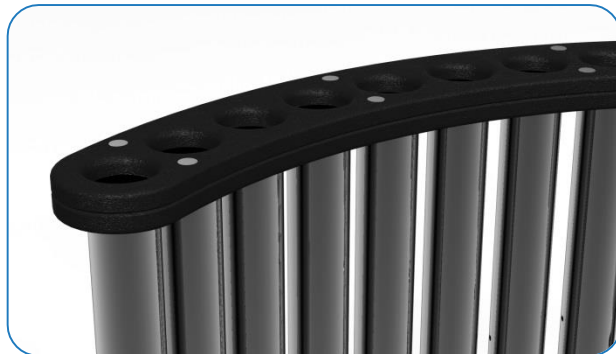
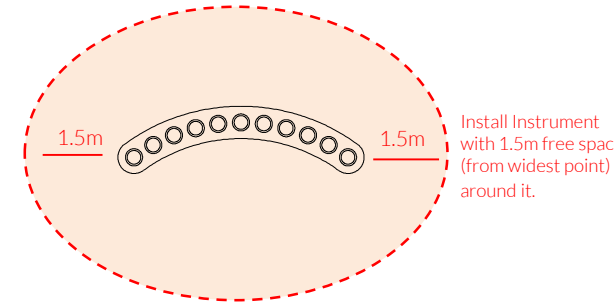
1. Handpipes will arrive on site assembled, Ground Fixings will need to be installed **(1.1)** (See Assembly Guide)

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

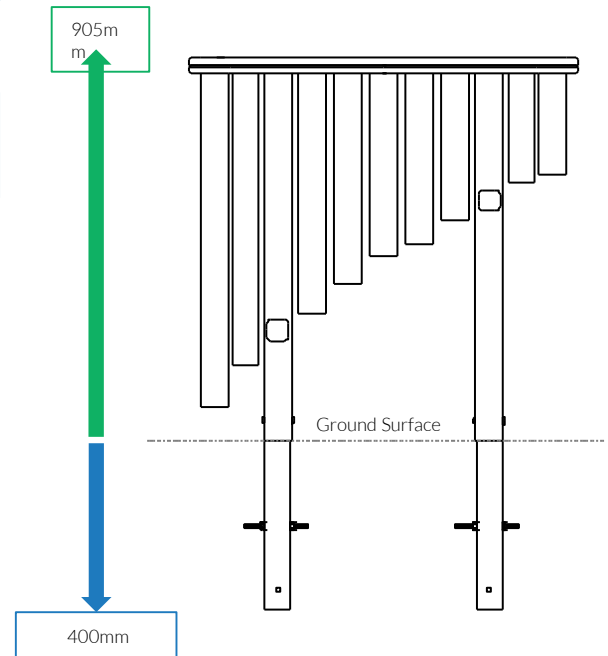
3. Excavate **2** holes for the Steel legs **250mm diameter** by **400mm deep** in desired location upon decision from customer.

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

Spares available from percussionplay.com or from your local distributor

25 Kg

Ground Fixed

Handpipes
Page 2 of 3



Instrument Components:

Instrument assembled

Thread Lock Solution
Required (Not Supplied)

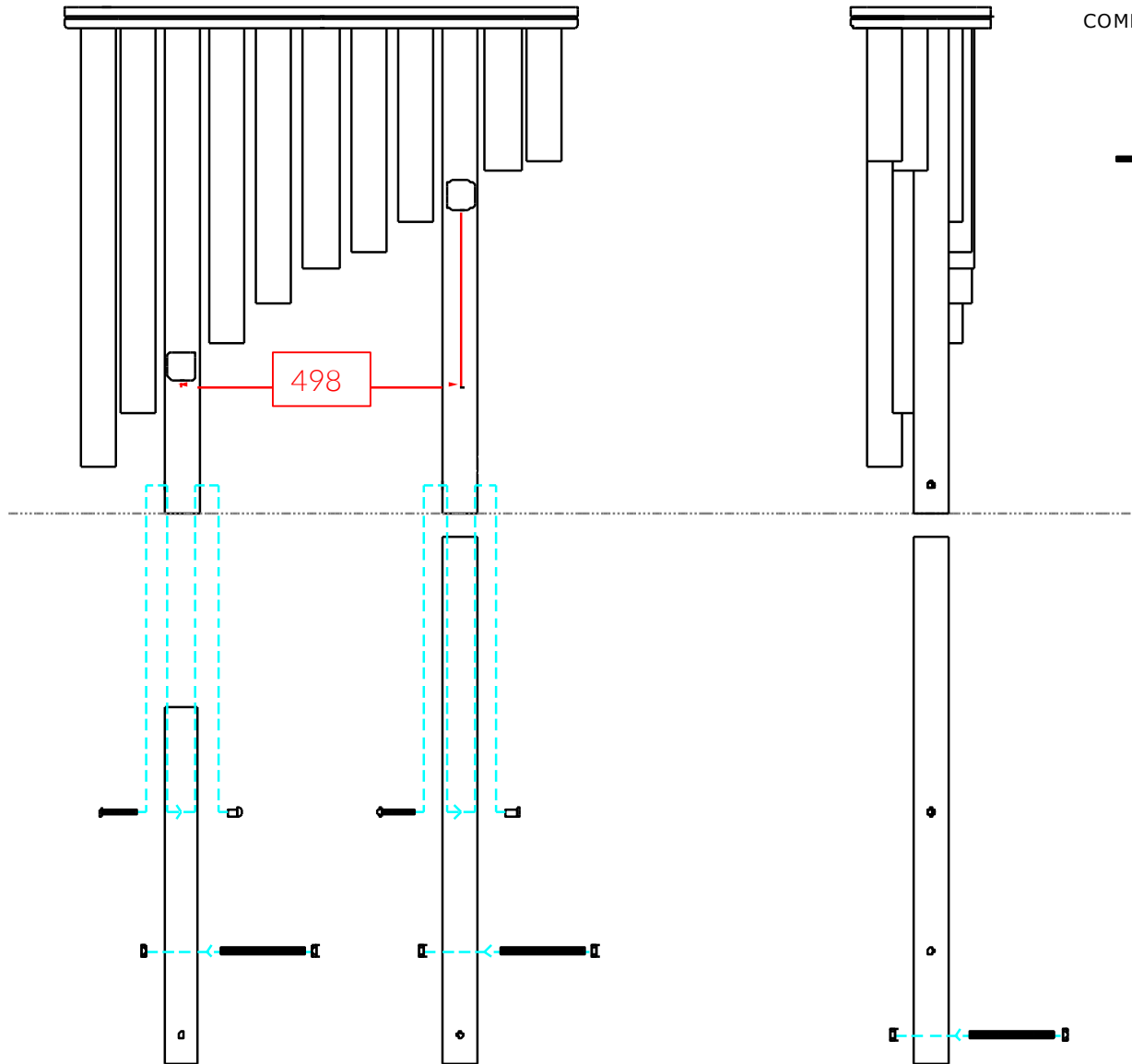


Ground Fix Components:







Spares available from
percussionplay.com or from your
local distributor

25 Kg



COMPONENTS LIST:

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

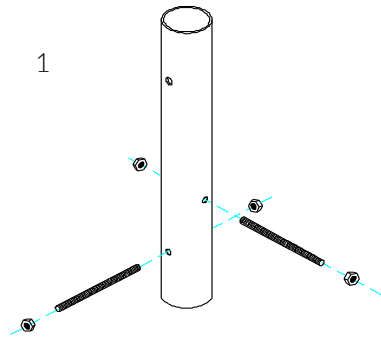
Ground Fix Post Installation

Tools:
x2
TX 45 Driver Bit

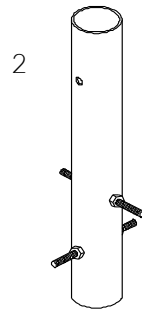
Foundations should not present a hazard. These foundations are recommended as a guide, for more information on foundation details for various surface see Part 7 of BS EN 1176.

Ground Fixed

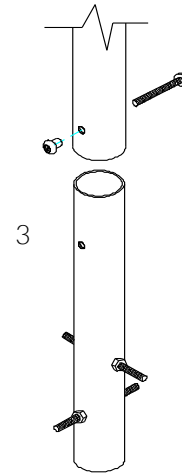
Handpipes
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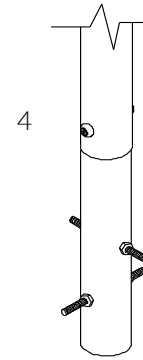
1 Insert M10x 200 Threaded bar into pre drilled holes in Ground Fixing Post



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

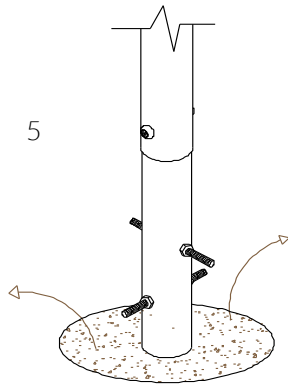


x2
M10 Barrel Nut



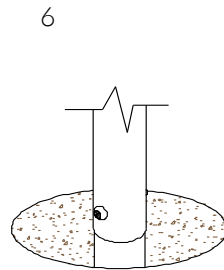
x2
M10x60 Security Screw

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

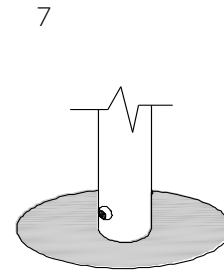


5 Excavate 6 holes with a 250mm diameter tapering down to 350mm diameter and 450mm depth

400mm min depth

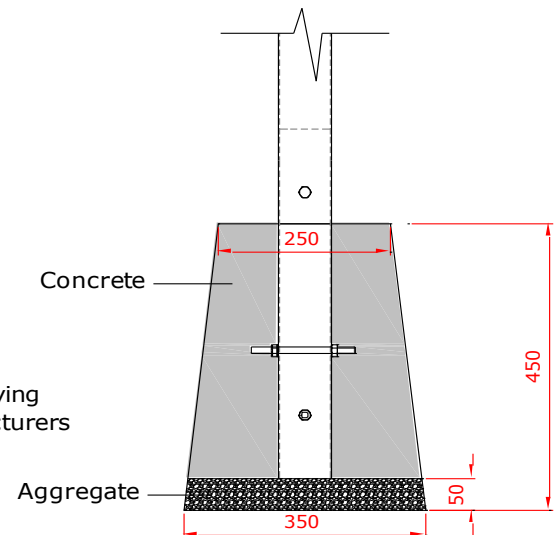


6 Compact base of hole with 50mm of aggregate. Lower ground Fix post attached to instrument straight and level before filling with concrete)



7 Fill hole with fast drying concrete to manufacturers specifications.

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



Installation Instructions

Ground Fixed

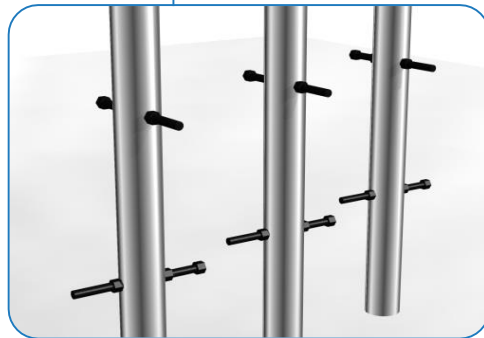
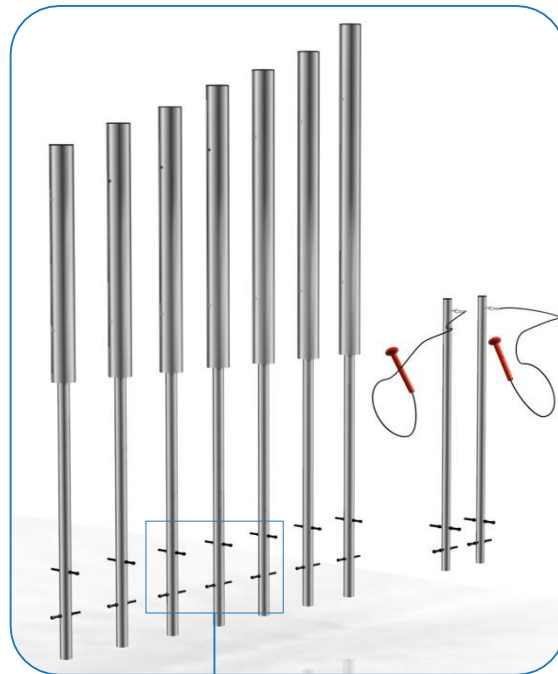
Tubular Bells
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Instrument Components:

Tubular Bells are pre-assembled

Metric Conversion:
250mm/ 10"
400mm/ 16"
600mm/ 24"
1.5m/ 59"
2207mm/ 98"



Weight of heaviest part 10kg (XXL Bell)

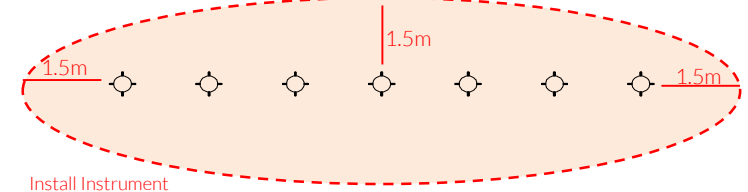
1. Using M10 nuts and 150mm bolts supplied locate through pre drilled holes and secure bolts in place to support in ground pole in concrete. **2 bolts per leg** at 90 degree angles

2. Excavate 7 holes for Tubular Bells 250mm diameter by 600mm deep. **2 further holes** will be needed for the beater poles according to layout of Bells at 250mm diameter and 400mm deep.

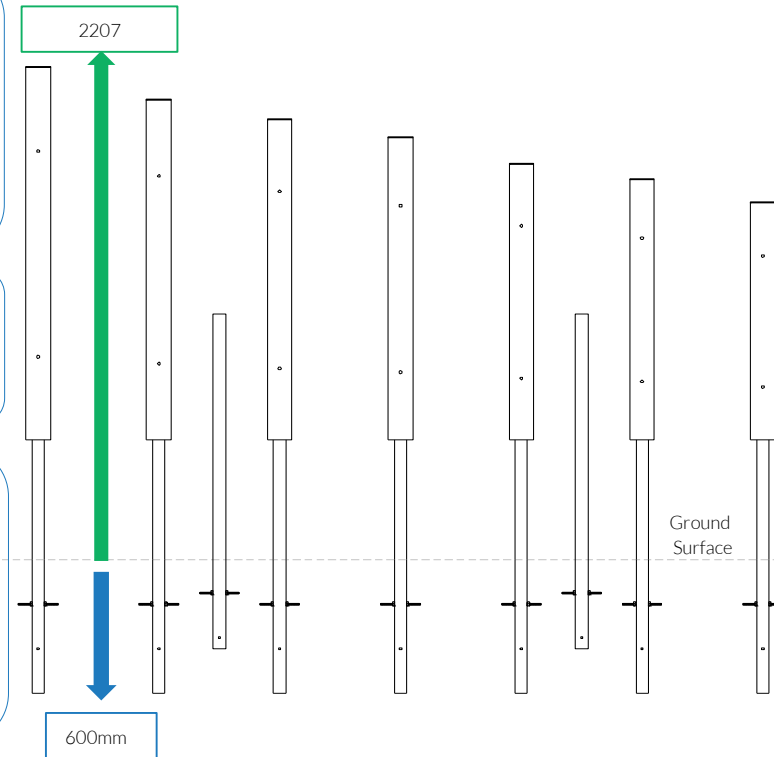
3. Locate (lower) legs into holes making sure they are vertical and level prior to concreting in place

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

In ground fixing always 600mm for each chime and 400mm for beater poles

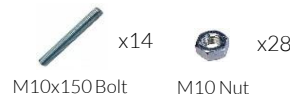


Install Instrument with 1.5m free space (from widest point) around it.



Pair Large Red Beaters X1

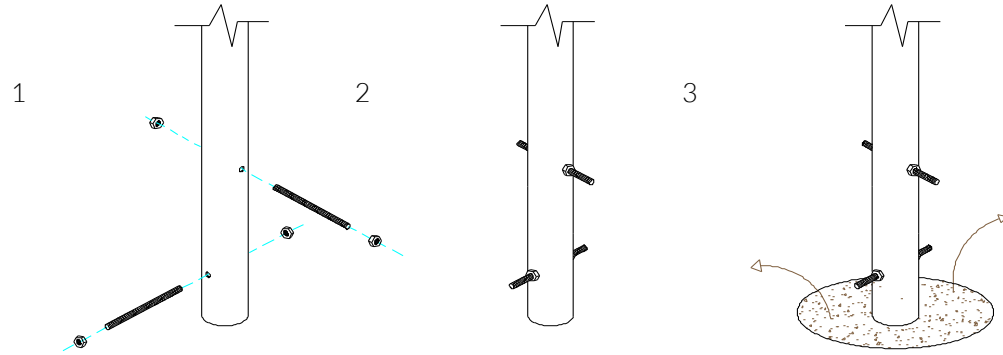
Ground Fix Components:



Spares available from percussionplay.com or from your local distributor

59 Kg

Ground Fix Post Installation

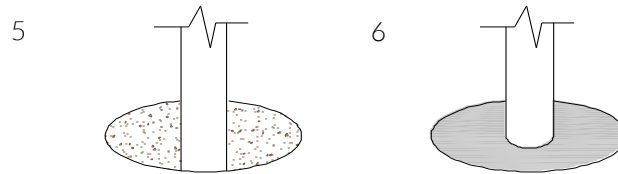


1 Insert M10x 150 Threaded bar into pre drilled holes in Ground Fixing Post

2 Fix M10x 150 Threaded bar in place using M10 Nuts

3 Excavate 7 holes with a 250mm diameter tapering down to 350mm diameter and 650mm depth

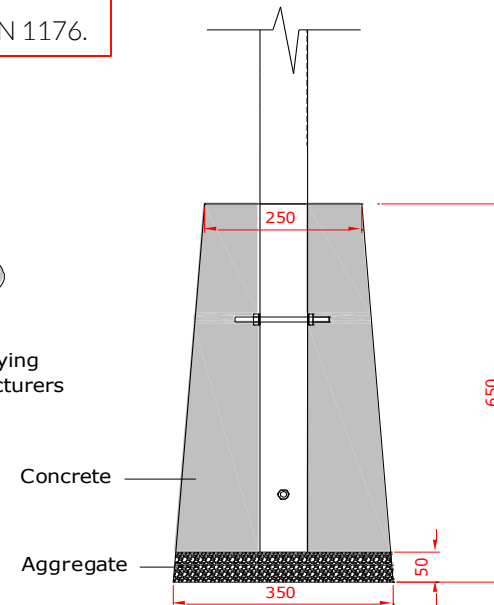
Foundations should not present a hazard. These foundations are recommended as a guide, for more information on foundation details for various surface see Part 7 of BS EN 1176.



5 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)

6 Fix hole with fast drying concrete to manufacturers specifications.

600mm max depth 7x Tubular Bells
400mm max depth 2X Beater Poles



Ground Fixed

Tubular Bells
Page 2 of 2



Components:

-  x14
M10x200 Threaded Bar
-  x28
M10 BZP Nut

Metric Conversion:
50mm/ 2"
250mm/ 10"
350mm/ 14"
400mm/ 16"
450mm/ 18"
600mm/ 24"
650mm/ 26"



Installation Instructions

Ground Fixed Flat Pack Harmony

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Instrument Components:

M10 Nut



x6

M6x20 Security Screw



x3

M6 Saddle Strap

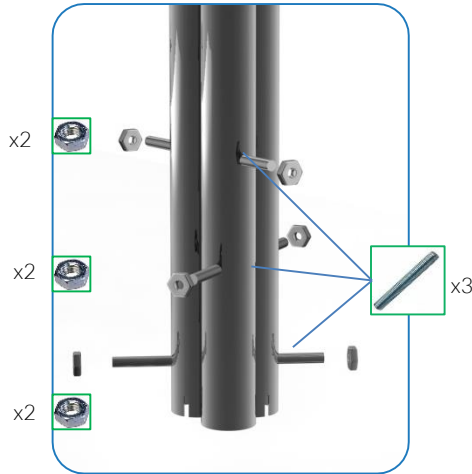
Metric Conversion:

250mm/ 10"

400mm/ 16"

1385mm/ 55"

1.5m/ 59"



Weight of heaviest part **16kg** (Harmony Frame)

1. Unpack frame 3no.

2. Lay packaging out on floor or assemble on non-abrasive surface to prevent marking of polished stainless steel.

3. Align holes on legs (opposite end to polished domes) and secure in place using 3no. M10 x 200mm threaded bar and 6no. M10 nuts provided
Tools required 2no. 17mm metric spanner/wrench ($1\frac{11}{16}$ inch or alternatively using adjustable wrench)

4. Invert assembled frame so domed ends face upwards.

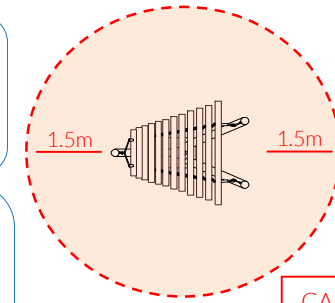
5. Insert M8x60mm Security screws into pre drilled holes in frame using TX40 bit.

6. Attach Notes to Harmony Frame. (See Assembly Guide Sheet)

3. Excavate 1 hole for the Steel leg **250mm diameter by minimum 400mm deep**, in desired location upon decision from customer.

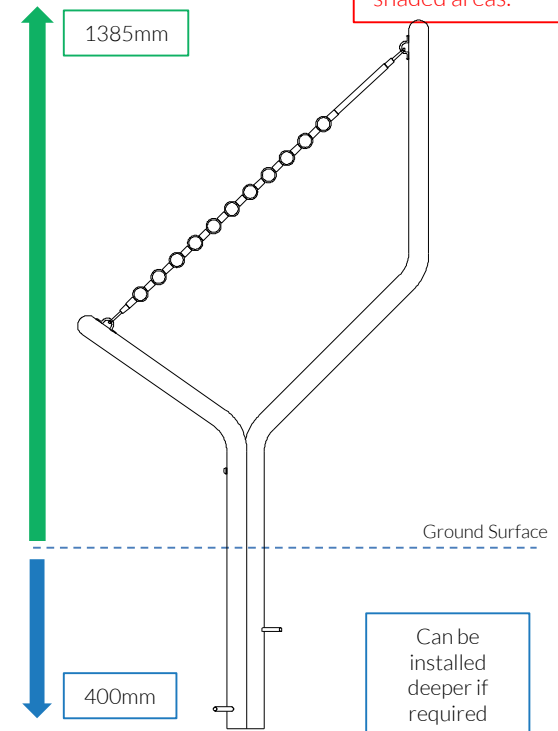
8. Locate (lower) legs into hole making sure they are vertical and level prior to concreting in place.

5. 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.



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

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



Can be installed deeper if required

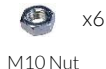


Pair Small Red Beaters X1

Ground Fix Components:



x3





x6



x2

M8x60 Security Screw

Tools:

 x1
 x1

TX 30 Driver Bit TX 40 Driver Bit

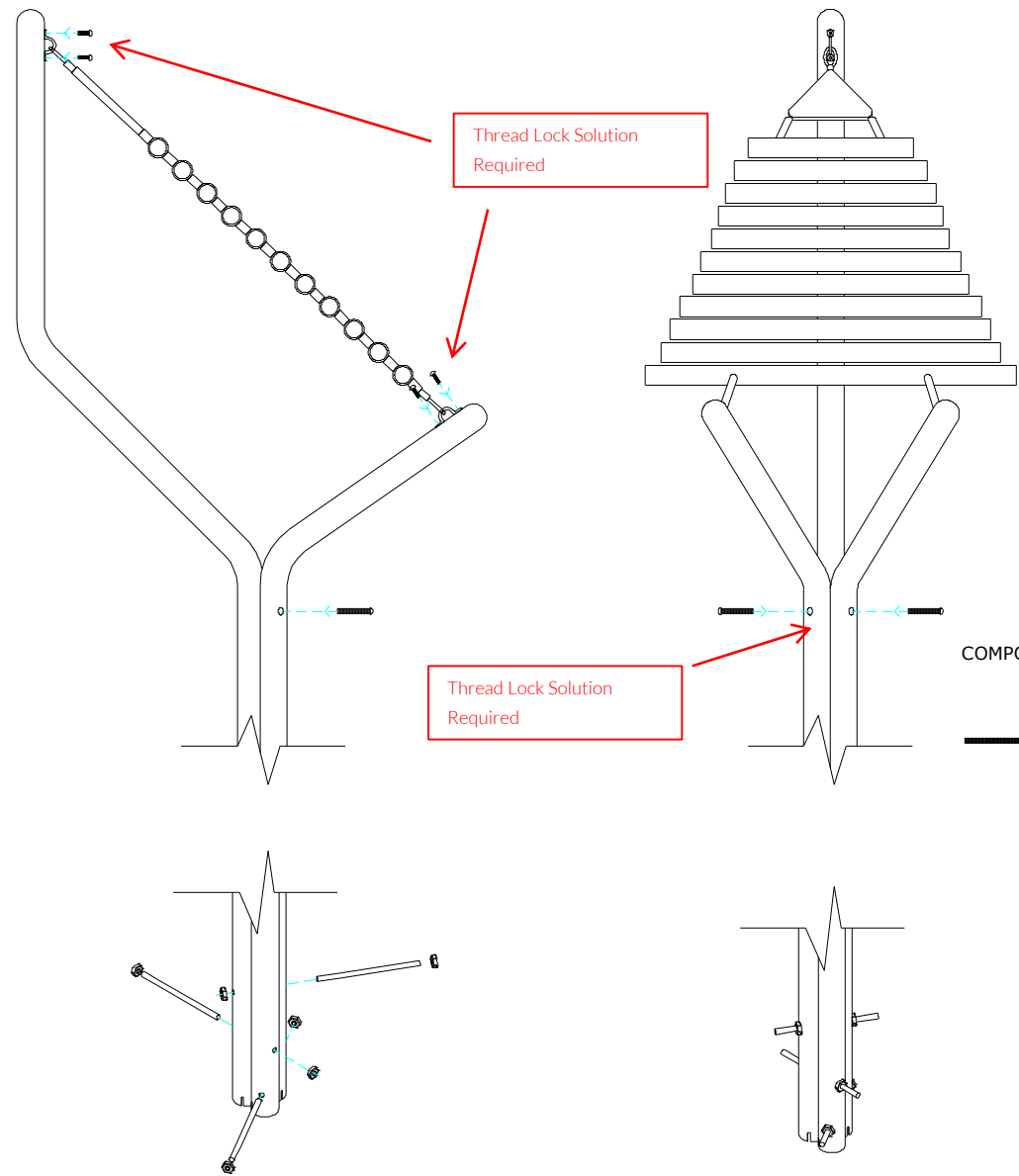
Ground Fixed
Harmony Flat Pack
Page 2 of 3








Instrument Components:


-  x6
M6x20 Security Screw
-  x3
M6 Saddle Strap

Thread Lock Solution Required






- COMPONENTS LIST:**
-  M10 Nut X6
 -  M10x200 Threaded Bar X3
 -  Saddle Strap X3
 -  M6x20 Pin torx X6
 -  M8x60 Pin torx X2

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

Pair Small Red Beaters X1

Ground Fix Components:

-  x3
M10x200 Bolt
-  x6
M10 Nut
-  x2
M8x60 Security Screw

Spares available from percussionplay.com or from your local distributor

20 Kg

Ground Fix Post Installation

Tools:

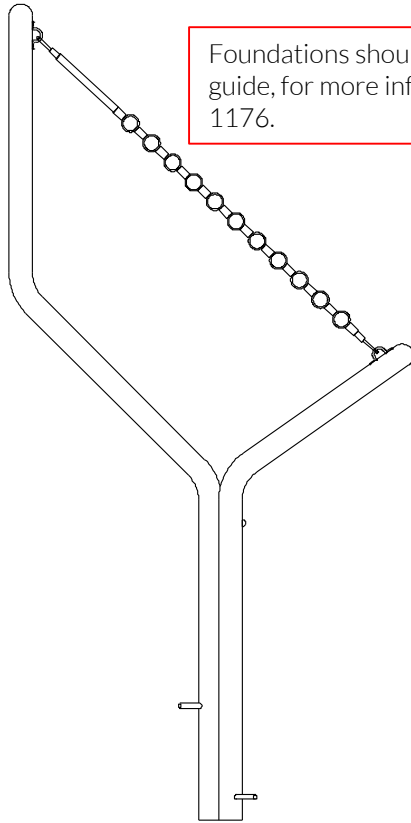
 x1
TX 40 Driver Bit

Metric Conversion:

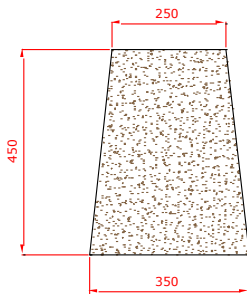
50mm/ 2"
250mm/ 10"
350mm/ 14"
400mm/ 16"
450mm/ 18"

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
Harmony Flat Pack
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1

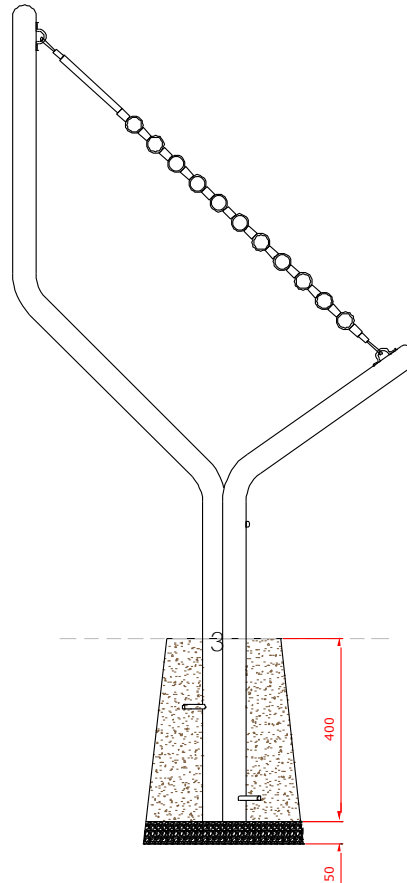


If Harmony needs to be positioned lower a deeper hole can be excavated.

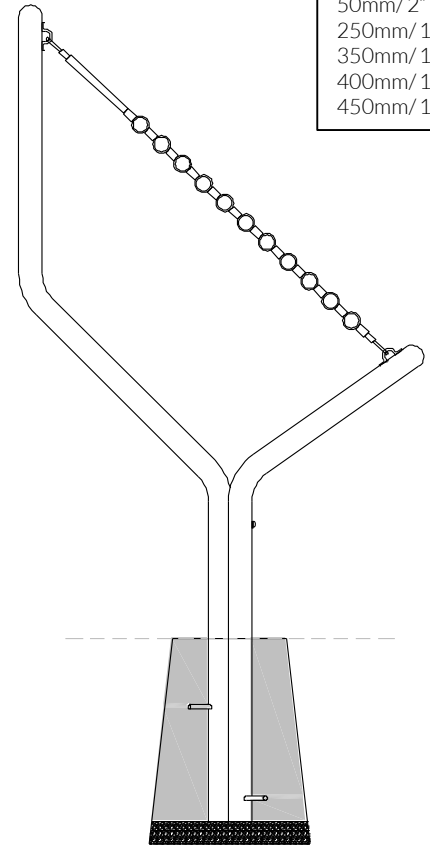
400mm min depth

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

2



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)



Fill hole with fast drying concrete to manufacturers specifications.

Components:



x3

M10x200 Threaded Bar



x6

M10 BZP Nut



x2

M8x60 Security Screw

Thread Lock Solution
Required



BS EN 1176

Installation Instructions

Ground Fixed

Bell Lyre
Page 1 of 2



Instrument Components:



x4

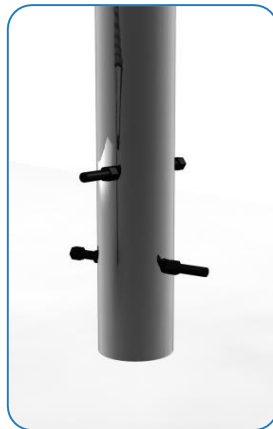
M6x20 Security Screw



x2

M6 Saddle Strap

Metric Conversion:
250mm/ 10"
600mm/ 24"
1.5m/ 59"
1525mm/ 60"



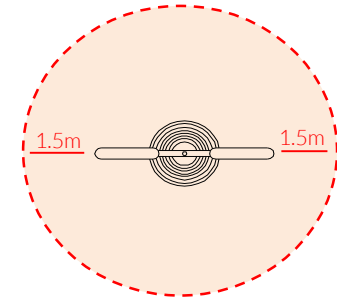
Weight of heaviest part **14.4kg** (Bell Lyre)

1. Attach Ground Fixing posts to legs (1.2) (See Ground Fix Post Installation Sheet)

2. Excavate 1 hole for the Steel leg 250mm diameter by 600mm deep, in desired location upon decision from customer.

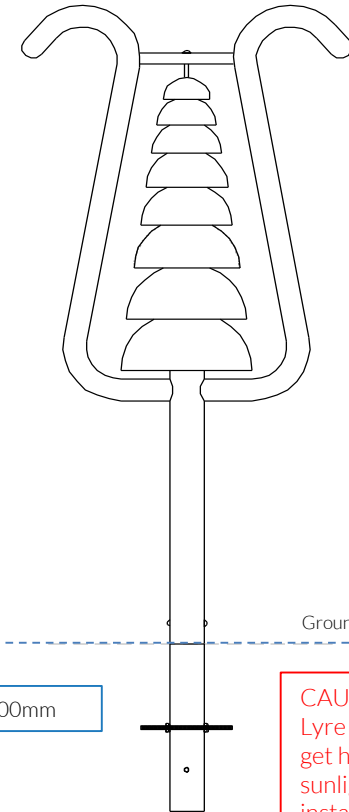
3. Locate (lower) legs into hole making sure they are vertical and level prior to concreting in place.

4. 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.



Install Instrument with 1m free space (from widest point) around it.

1840mm



Ground Surface

600mm

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



Pair Small Red Beaters X1

Ground Fix Components:



x2

M10x200 Bolt



x4

M10 Nut



x1

M10x70 Security Screw



x1

M10 Barrel Nut

Spares available from percussionplay.com or from your local distributor

23.5 Kg

Ground Fix Post Installation

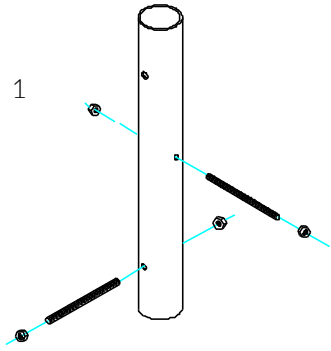
Tools:

x2
TX 45 Driver Bit

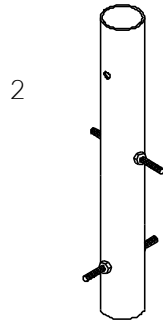
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Metric Conversion:
50mm/2"
100mm/4"
250mm/10"
350mm/14"
600mm/24"
650mm/26"

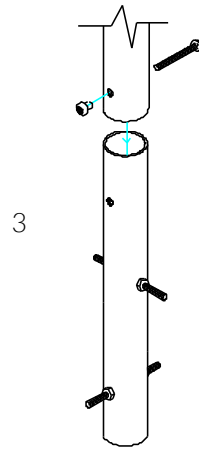
Thread Lock Solution
Required (Not Supplied)



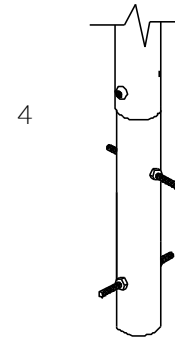
1 Insert M10x 200 Threaded bar into pre drilled holes in Ground Fixing Post



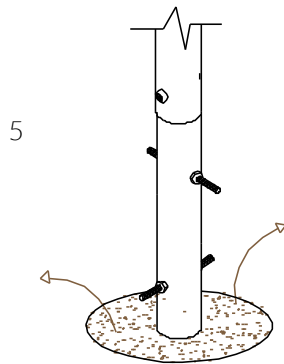
2 Fix M10x 200 Threaded bar in place using M10 Nuts



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

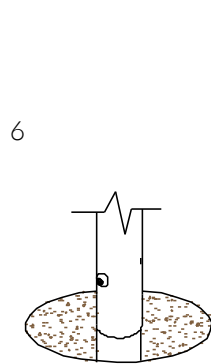


4 Fix instrument to Ground fix post using M10 bolt and Barrel Nut and use **thread locking solution** to prevent fixings working loose.

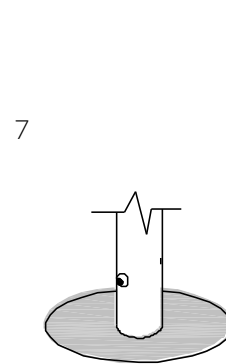


5 Excavate 1 hole with a 250mm diameter tapering down to 350mm diameter and 650mm depth

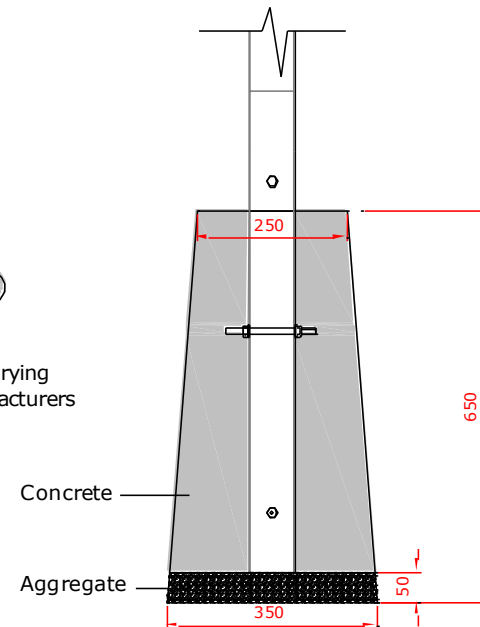
600mm min depth
Can be buried deeper if required



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 Fix hole with fast drying concrete to manufacturers specifications.



Ground Fixed

Bell Lyre
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Components:

-  x2
-  x4
-  x1
-  x1

Thread Lock Solution
Required (Not Supplied)