

Installation Instructions

Ground Fixed

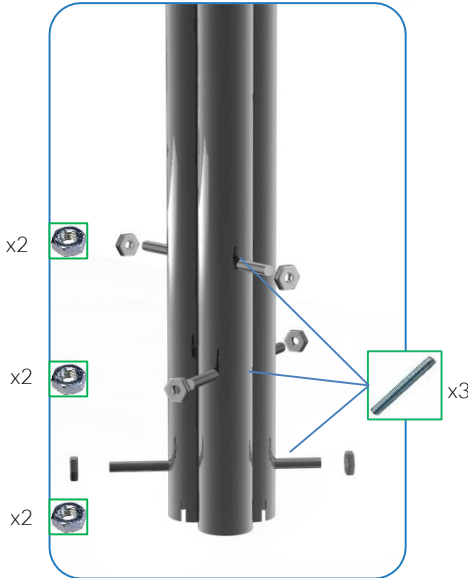
Babel Drum
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Instrument Components:



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.

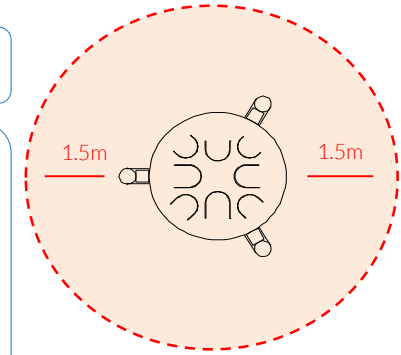
6. Remove Black caps opposite side of leg and keeping Hex Key in place, slide black polyurethane damper over bolt until flush with end of bolt. Repeat for other 2 legs

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

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

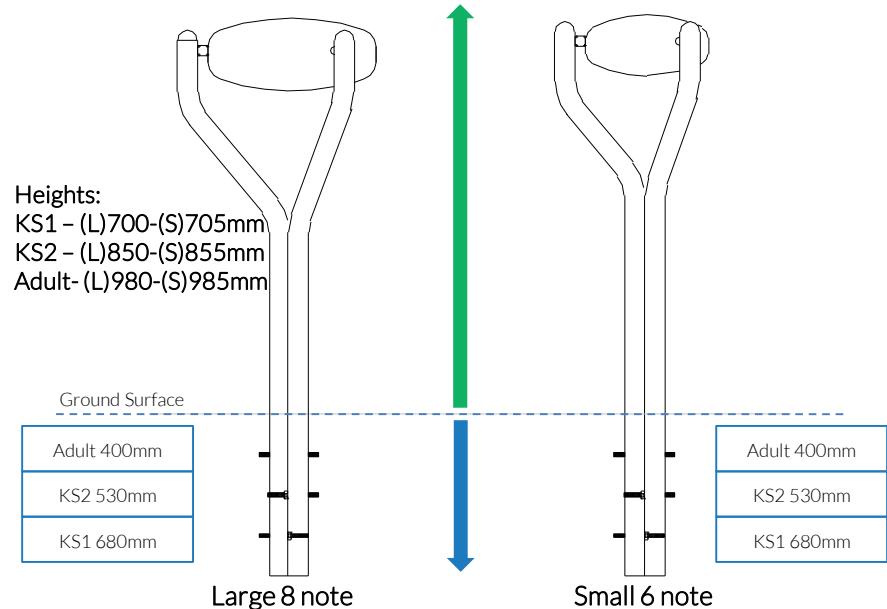
9. Using 8mm Hex Key screw bolts into drum to secure in place.
Use thread locking solution
All hole locations are laser cut for accuracy to ensure holes in drum align perfectly with legs.

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

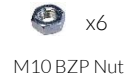


Install Instrument with 1.5m free space (from widest point) around it.

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

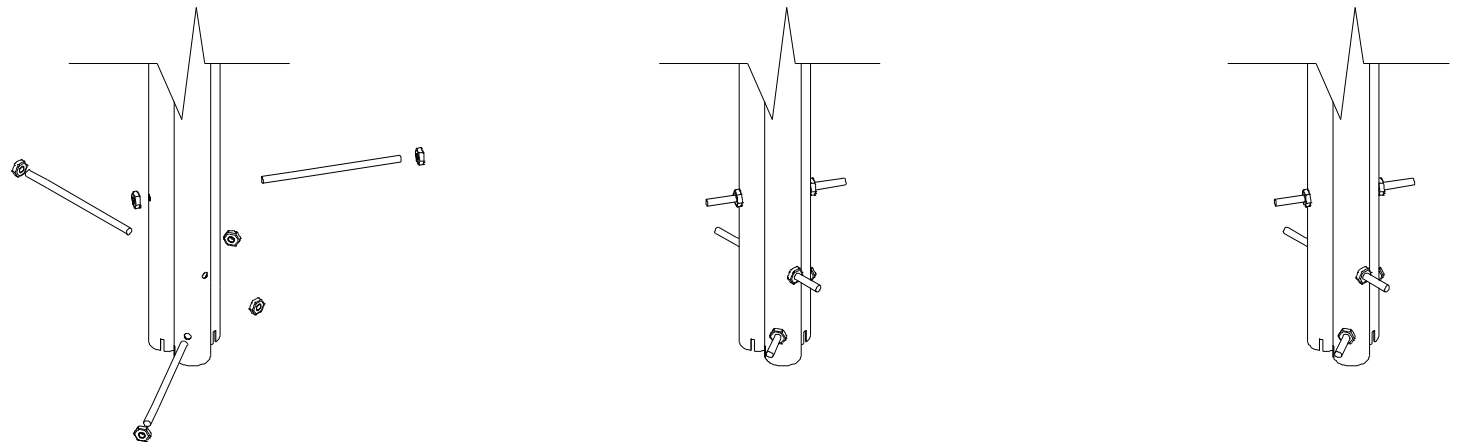
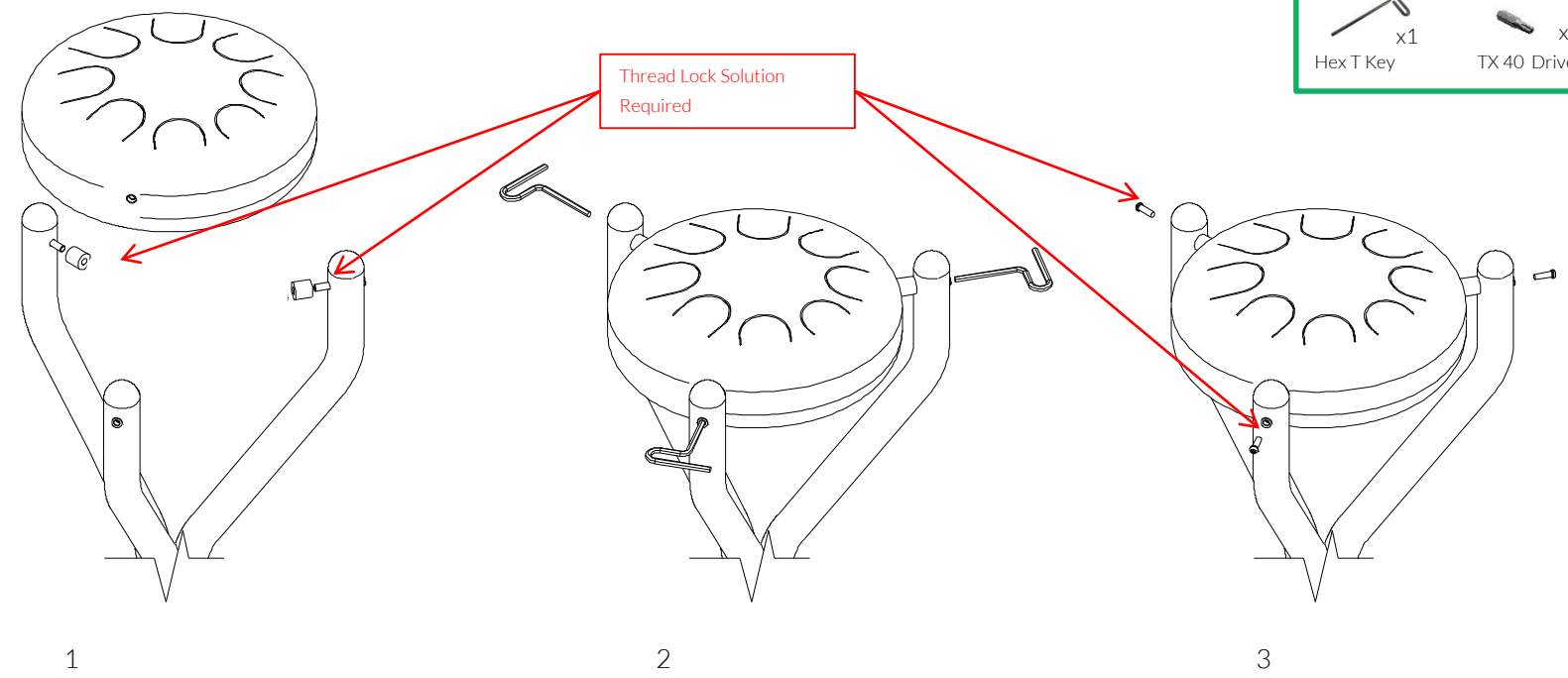
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Babel Drum
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Instrument
Components:


 x3
M8x25mm Pin Torx


Thread Lock Solution
Required



 Played with hands

Ground Fix
Components:

 x3

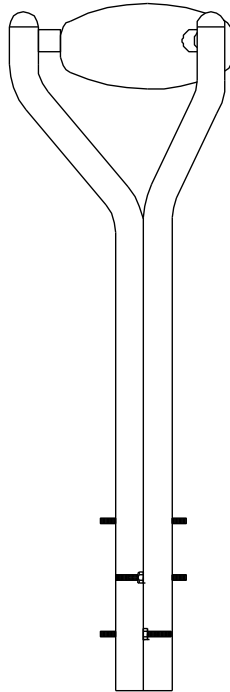
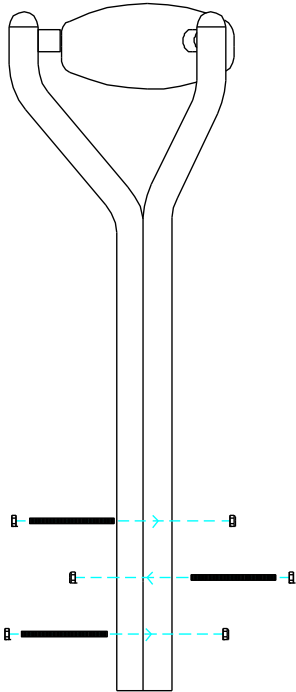
 x6

Spares available from
percussionplay.com or from your
local distributor

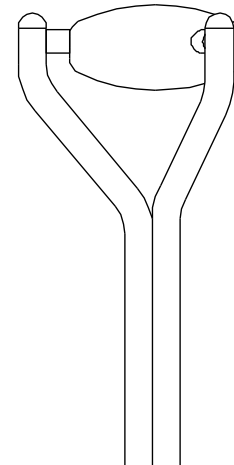
22 Kg
13.4 Kg

Ground Fix Installation

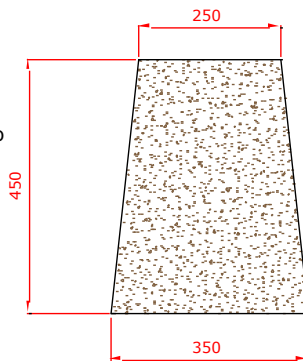
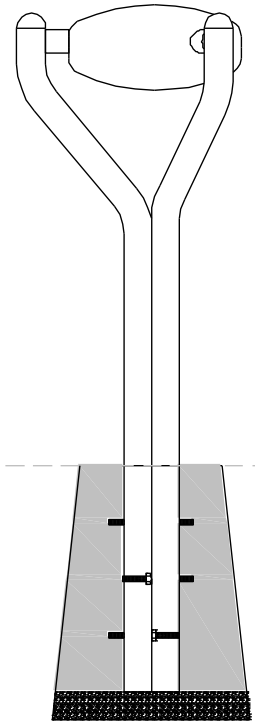
- 1 Insert M10x 200 Threaded bar into pre drilled holes in Frame of Babel Drum using M10 BZP Nuts
- 2 Excavate a holes with a 250mm diameter tapering down to 350mm diameter and 450mm depth



- 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"

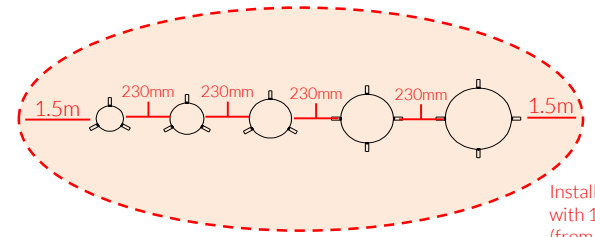


BS EN 1176

Installation Instructions



1. Assemble fixing brackets to base of sambas using M8x25mm security screws and lock washers. (1.1) (See Assembly Guide)



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

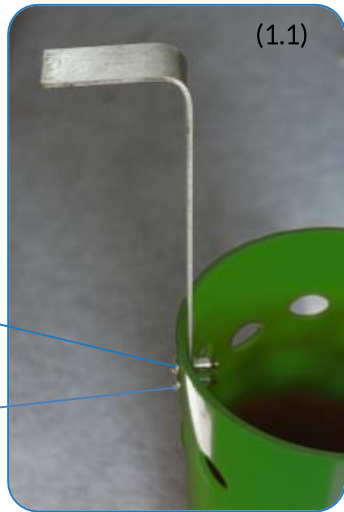
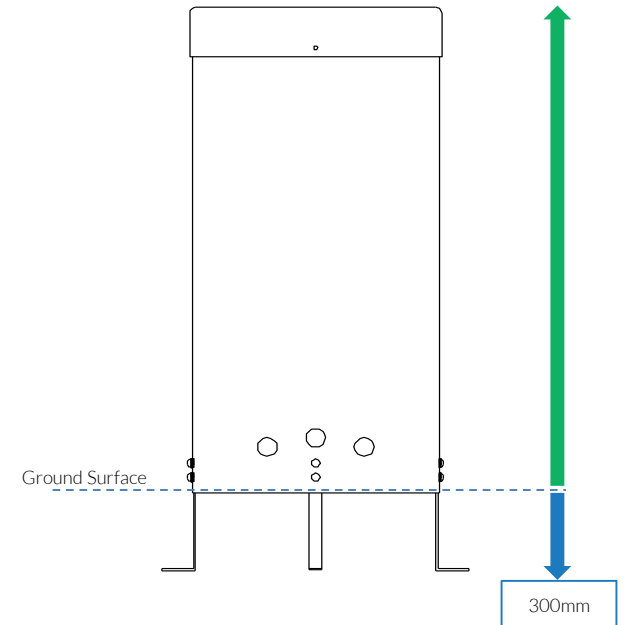
Sambas will arrive on site in pre set heights. In ground fixing depth 300mm for all 5 sambas.

Ground Fixed
Rainbow Sambas
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2. Arrange Sambas with minimum spacing between each drum at 230mm and mark holes for excavation. Each hole should be 80-100mm larger than the drum itself.

3. Excavate marked holes to 300mm depth making sure the holes have a level base allow the sambas to sit vertical.

4. Once happy with location of the sambas, fill holes using rapid hardening concrete. Be sure to compact concrete around metal brackets and leave to dry according to manufactures guidelines.



Weight of heaviest part 14.6kg (XL Samba)

Instrument Components:

Rainbow Sambas are pre-assembled

Metric Conversion:
80mm/ 3"
100mm/ 4"
230mm/ 9"
300mm/ 12"
400mm/ 16"
450mm/ 18"
1.5m/ 59"




Ground Fix Components:



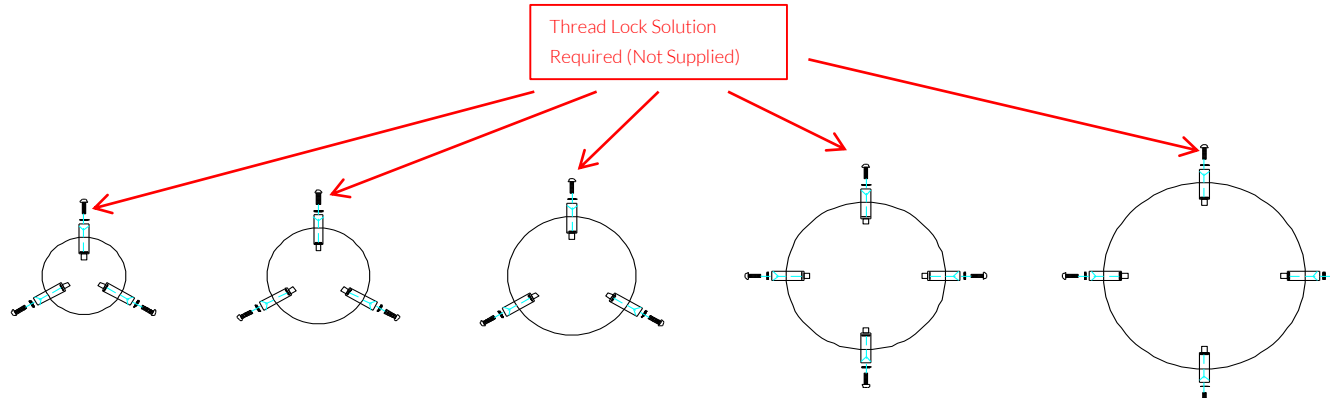
Spares available from percussionplay.com or from your local distributor

44 Kg

Tools:






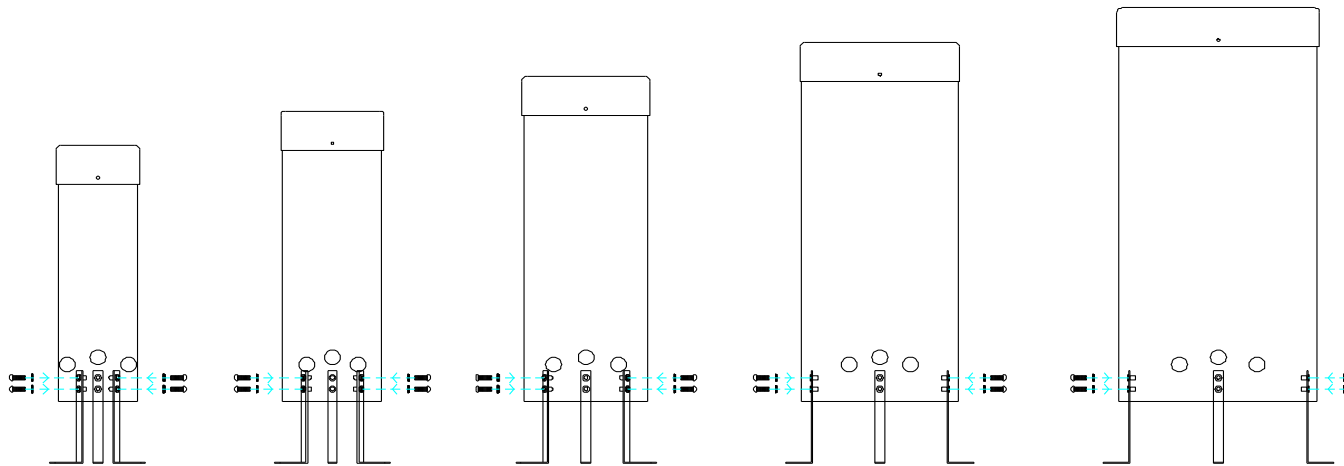
x1
TX 40 Driver Bit



PPRASA PLAN

COMPONENTS LIST:

-  M8x25 Pin torx X34
-  M8 Lock washer X34
-  Ground Fix L Bracket X17



PPRASA FRONT

Ground Fixed
Rainbow Sambas
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Instrument Components:

Rainbow Sambas are pre-assembled

Thread Lock Solution Required (Not Supplied)




Played with hands

Ground Fix Components:



x34
M8x25 Security Screw



x34
M8 Lock Washer



x17
L Brackets

Spares available from percussionplay.com or from your local distributor

44 Kg

Ground Fix Installation

Tools:



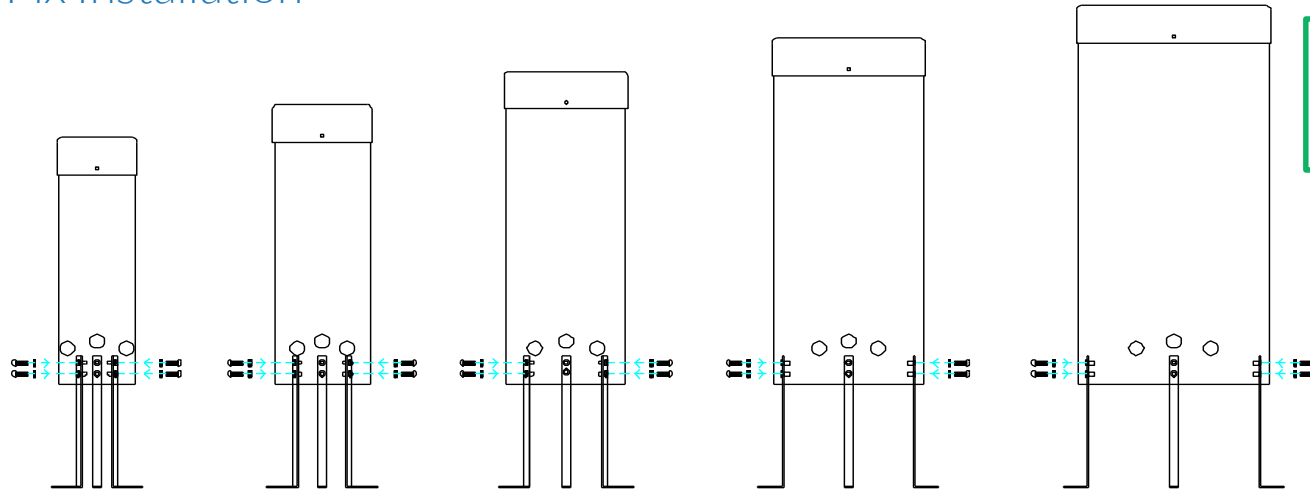
x1
TX 40 Driver Bit

Ground Fixed Rainbow Sambas Page 3 of 4



1

Attach L- Brackets to base of each drum using M8x25 Bolts and lock washers provided.

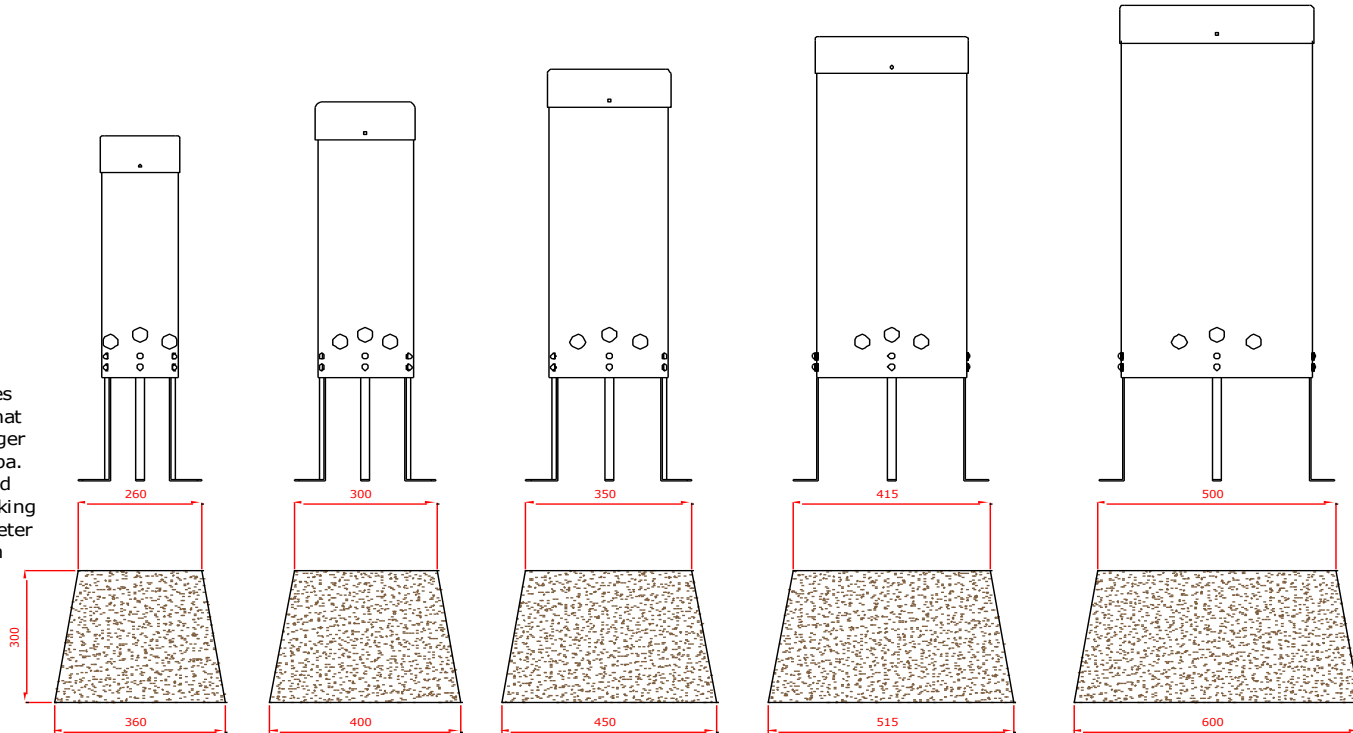


Components:

-  x17
M8x25mm Pin Torx
-  x34
M8 Lock Washer
-  x17
L Brackets

2

Excavate 5 holes 300mm deep that are 100mm larger than each samba. Each hole should taper down making the base diameter at least 100mm larger than the surface hole



Ground Fix Installation

Ground Fixed

Rainbow Samba
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Components:



Metric Conversion:

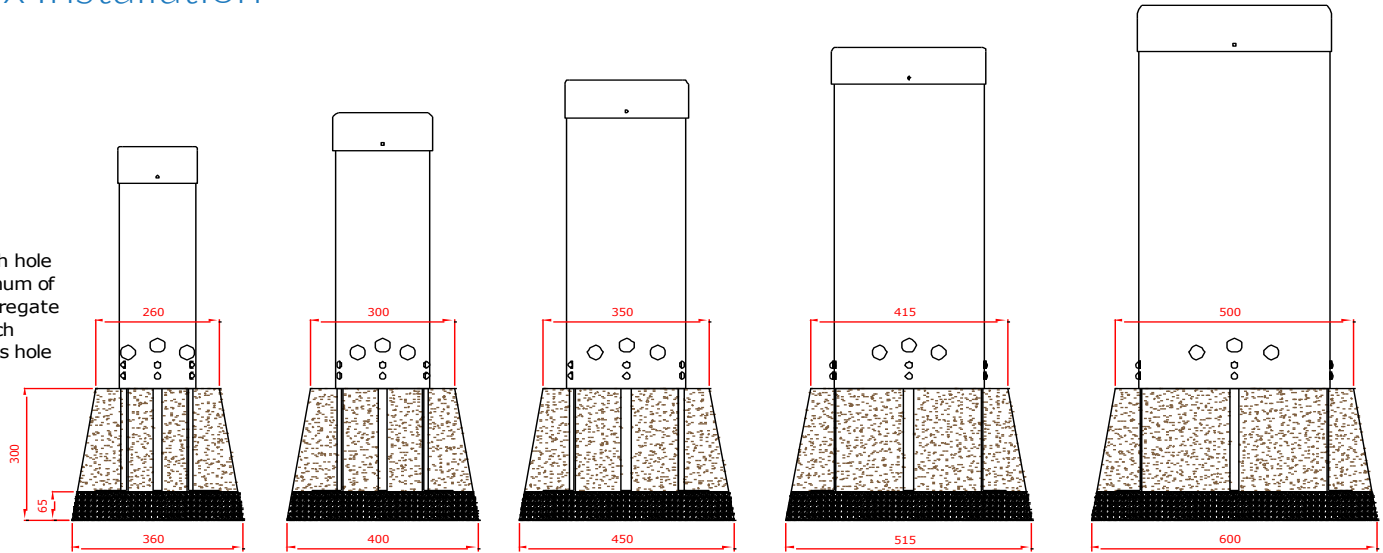
- 65mm/ 3"
- 250mm/ 8"
- 300mm/ 12"
- 350mm/ 14"
- 415mm/ 16"
- 450mm/ 18"
- 500mm/ 20"
- 515mm/ 20"
- 600mm/ 24"



BS EN 1176

3

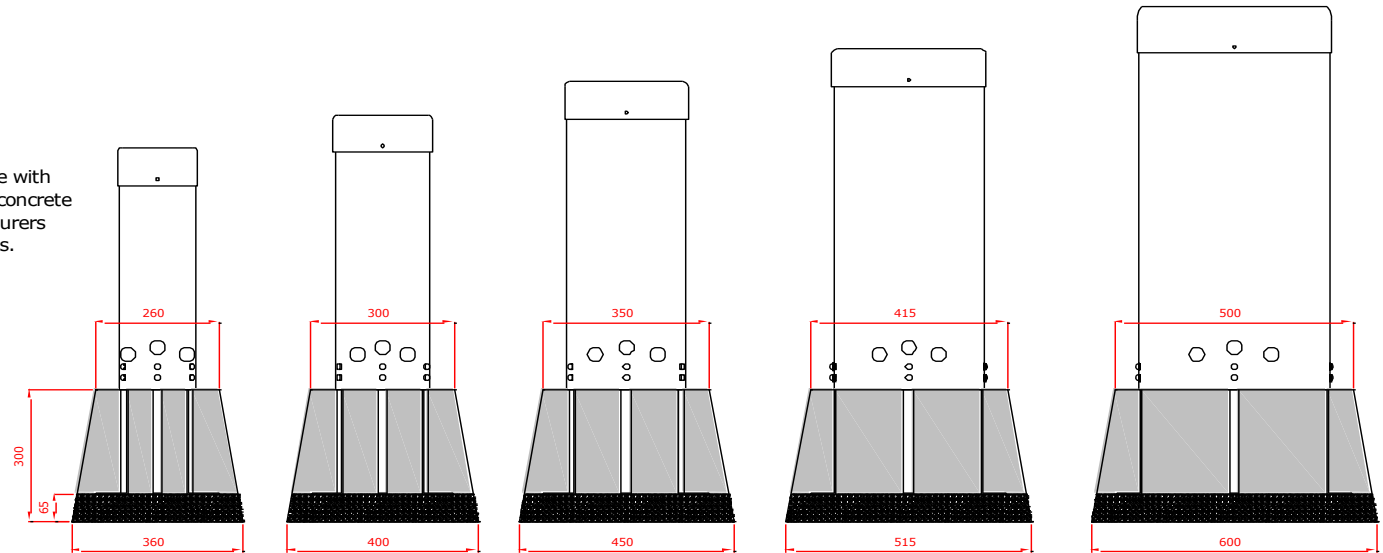
Compact each hole with a maximum of 65mm of aggregate and lower each samba into its hole



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.

4

Fill each hole with fast drying concrete to manufacturers specifications.



Installation Instructions

Ground Fixed

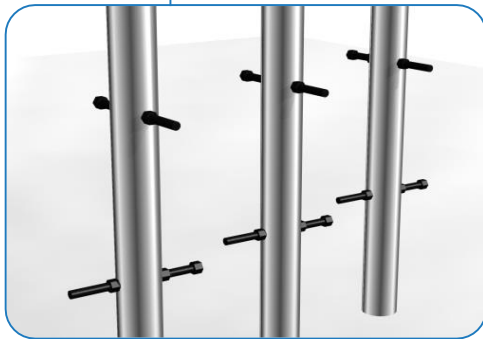
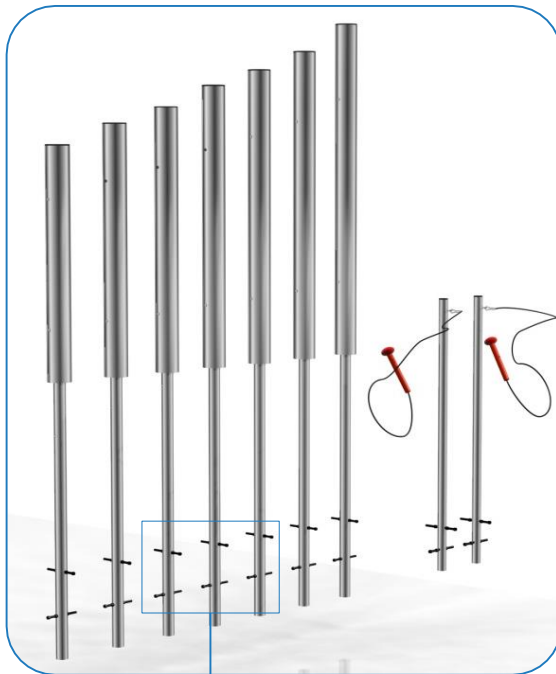
Tubular Bells
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Instrument Components:

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)

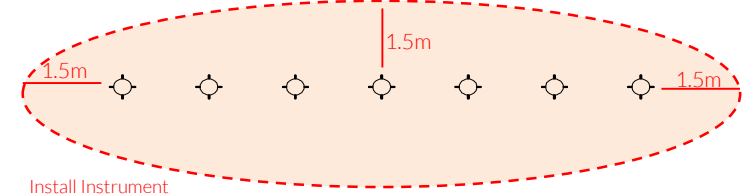
1. Using M10 nuts and 150mm bolts supplied locate through pre drilled holes and secure bolts in place to support in ground pole in concrete. **2 bolts per leg** at 90 degree angles

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.

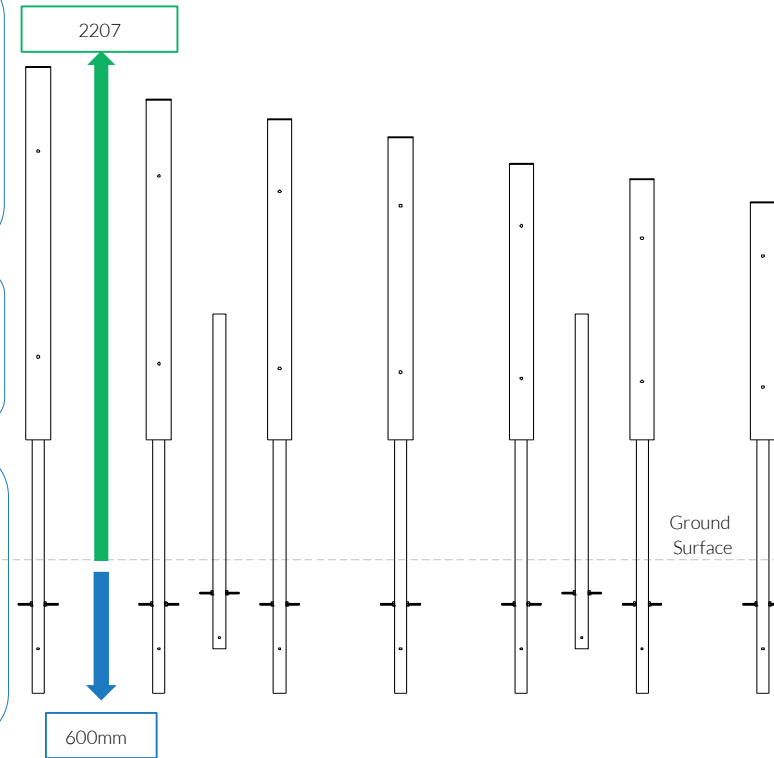
3. Locate (lower) legs into holes making sure they are vertical and level prior to concreting in place

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.



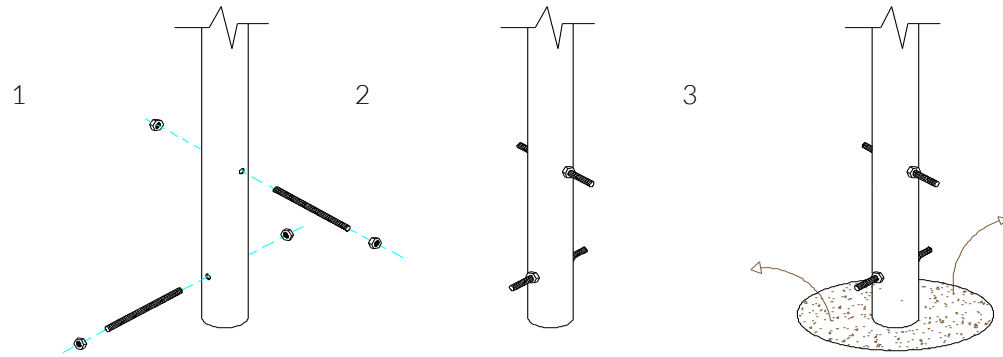
Ground Fix Components:



Spares available from percussionplay.com or from your local distributor

59 Kg

Ground Fix Post Installation

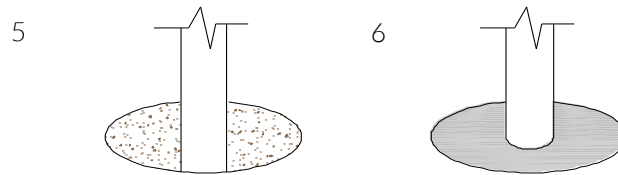


1 Insert M10x 150 Threaded bar into pre drilled holes in Ground Fixing Post

2 Fix M10x 150 Threaded bar in place using M10 Nuts

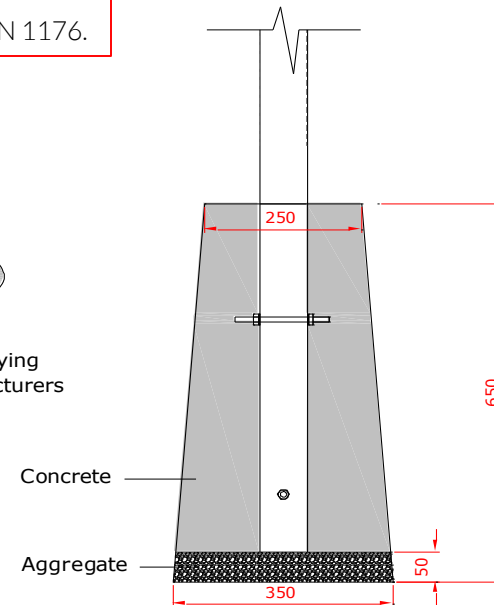
3 Excavate 7 holes with a 250mm diameter tapering down to 350mm diameter and 650mm depth

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
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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"