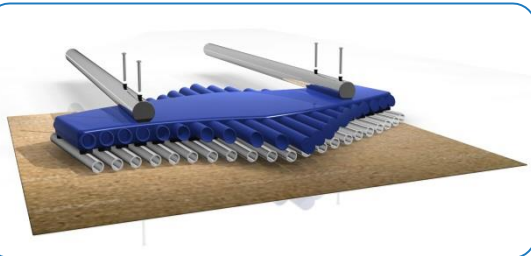
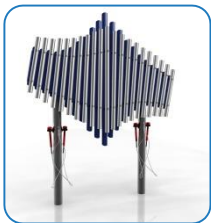


# Installation Instructions

## Ground Fixed

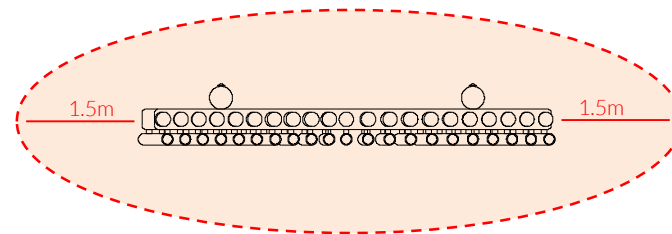
HD Sonora  
Page 1 of 3



**1. Carefully lay 2 x legs** on a level surface and insert **M10x200 bar and nuts**. Using packing box as protection lay instrument note side down on the card. Line up pre drilled holes in the backboard with the legs and ensure the instrument is aligned square with the legs. **Fix** in place using **M8x30mm barrel nuts** supplied (see installation guide)

**5. Beaters can be fixed to** Stainless Steel posts with fixings provided

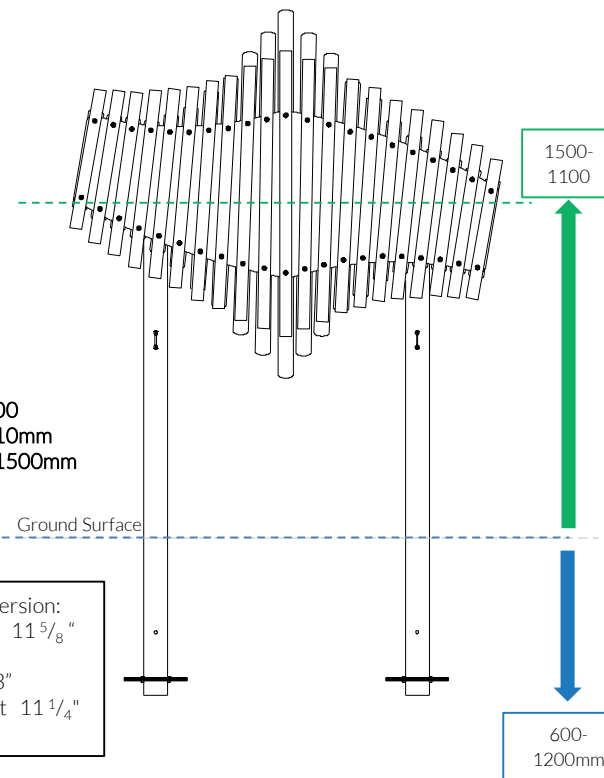
Install Instrument with 1.5m free space (from widest point) around it.



**2.** (See ground fix sheet) **Excavate 2 holes** on site of installation approximately Minimum **600mm deep** ( adjust depth according to age range for intended players)

**3. Carefully raise the instrument** from the ground **with legs attached** and locate (lower) legs **into holes** making sure they are vertical and level prior to concreting in place.

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



Metric Conversion:  
600mm/ 1ft 11 5/8"  
900mm/ 35"  
1100mm/ 43"  
1200mm/ 3ft 11 1/4"  
1.5m/ 59"

Weight of heaviest part 30kg

## Components:

x4

M8 Barrel Nut

x2  
Eye Straps

x4  
M6x20mm Secure Screw



Thread Lock Solution  
Required (Not Supplied)



Pair Small  
Beaters X2

Ground Fix  
Components:

x4  
M10x200 Threaded Bar

x8  
M10 Nut

x2  
M10 Barrel Nut

x2  
M10x70 Security Screw

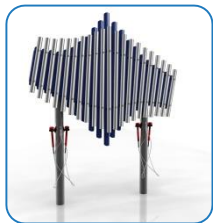
42 Kg

# Assembly Guide PPSWAV



## Ground Fixed

HD Sonora  
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### Components:



x4

M8 Barrel Nut



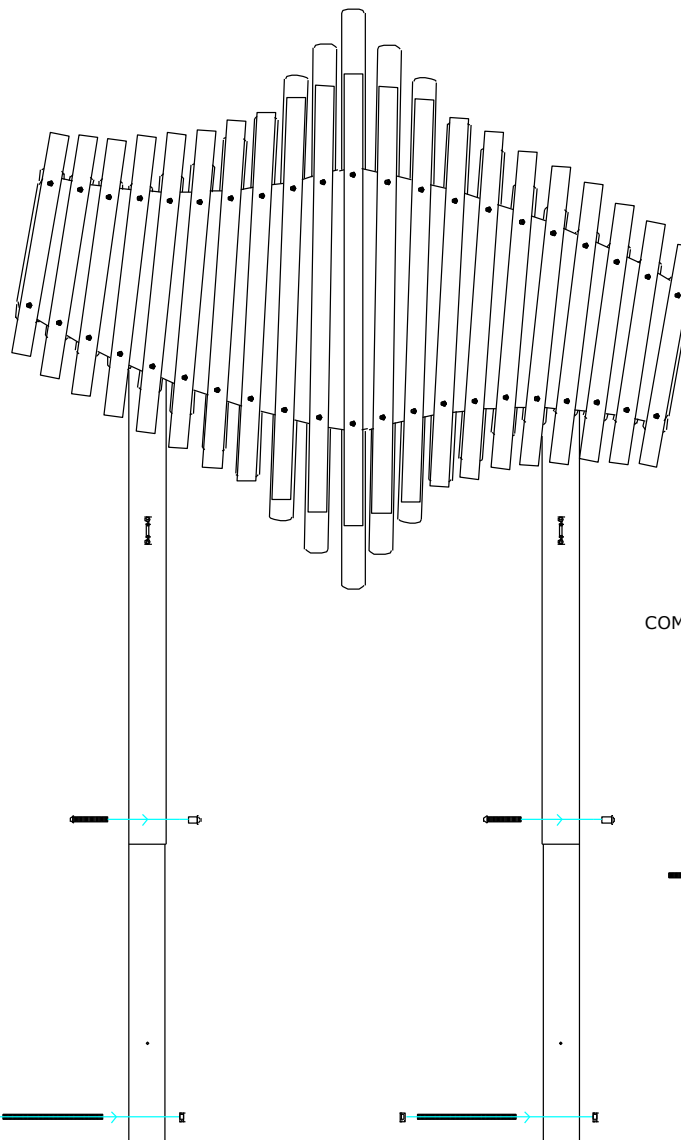
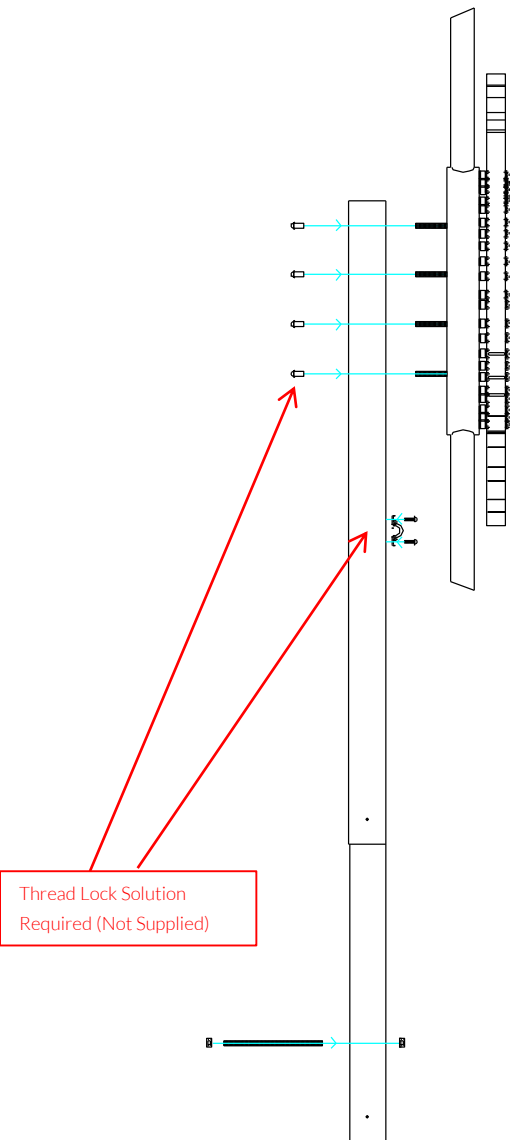
Eye Straps x2



x4

M6x20mm  
Secure Screw

Thread Lock Solution  
Required (Not Supplied)



### Tools:



### COMPONENTS LIST:

- Saddle Strap X2
- M6x20 Pin torx X4
- M8 Barrel Nut Pin torx X4
- M10 Nut X8
- M10x200 Threaded Bar X4
- M10x70 Pin torx X2
- M10 Barrel Nut Pin torx X2



Pair Small  
Beaters X2

### Ground Fix Components:

- x4
- x8
- x2
- x2

37 Kg

# Ground Fix Installation

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

Sonora  
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### Components:



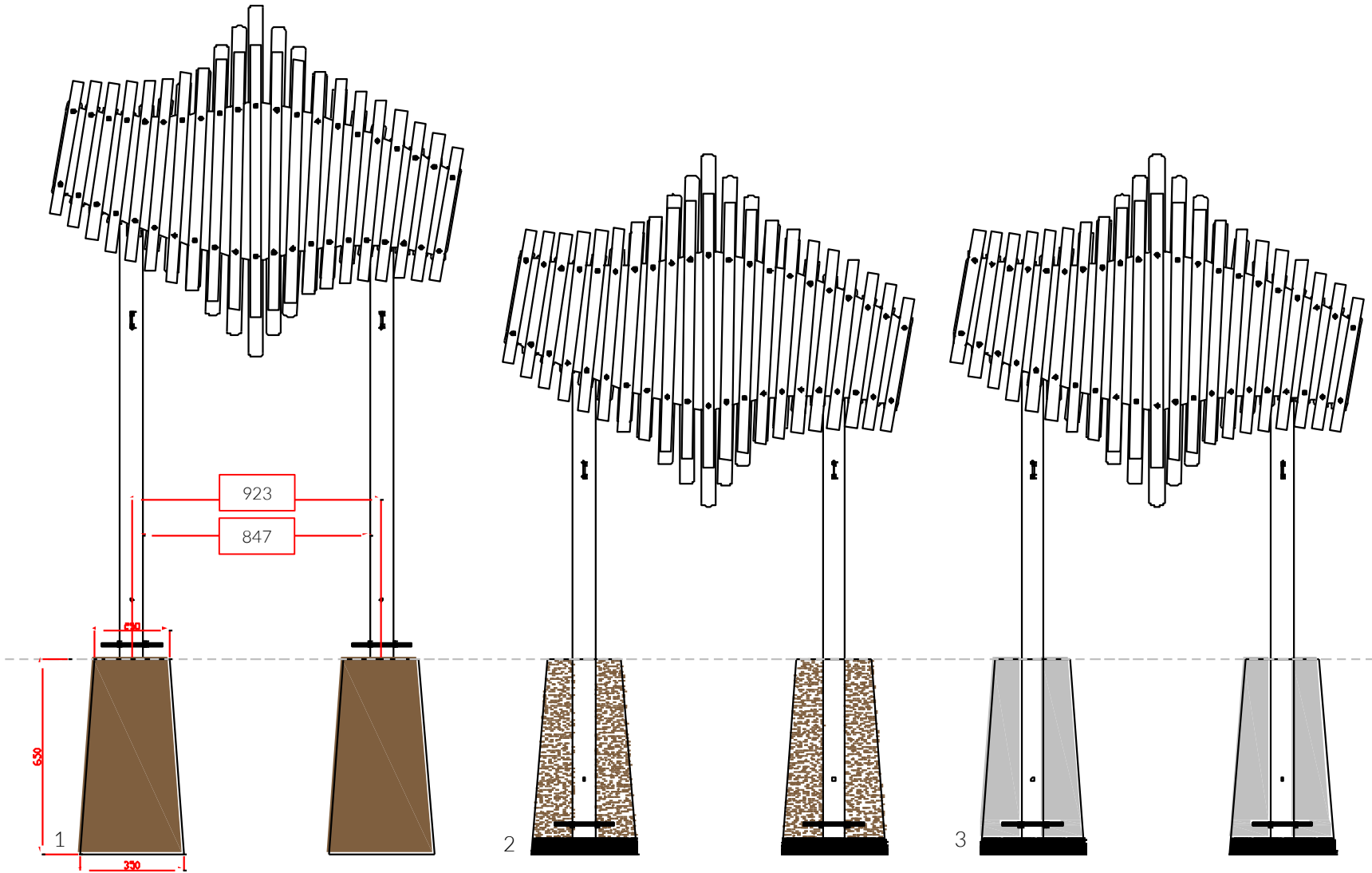
M10x200mm  
BZP Bar  
X4



M10 BZP Nut  
X8

### Metric Conversion:

50mm/ 2"  
250mm/ 10"  
350mm/ 14"  
650mm/ 2 ft 1 19/32"



Excavate 2 holes with a 250mm diameter tapering down to 350mm diameter and 600mm depth  
**600mm min depth- Max Depth 1200mm**

Compact base of hole with 50mm of aggregate. Lower ground Fix posts attached to instrument into hole (check instrument straight and level, and at correct height before filling with concrete)

Fill hole with fast drying concrete to manufacturers specifications. If posts protrude above instrument they can be cut down

