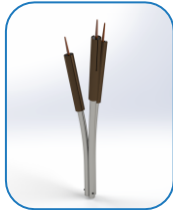


# Installation Instructions

## Ground Fixed

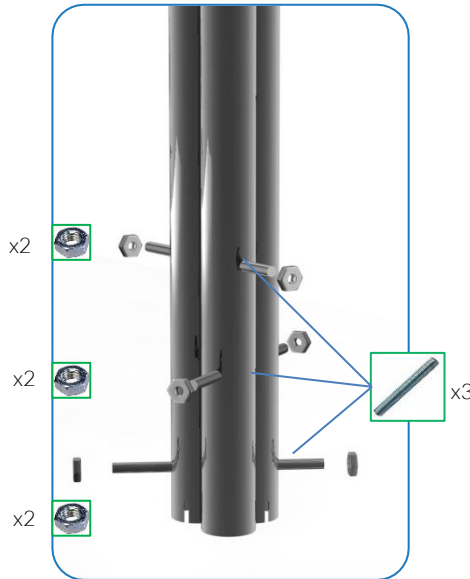
Cattail (3)  
Page 1 of 3



### Components:



Metric Conversion:  
400mm/ 16"  
1651mm/ 65"



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

**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 2). Insert M10x200mm threaded bars into ground fixing holes and secure loosely with M10 nuts.

**4.** Unpack the Cattail chimes.

**5.** Sheath the shortest chime over one of the corner ground fix extensions and secure with an M10x20mm Security Screw.

**6.** Repeat clockwise in ascending order of post height.

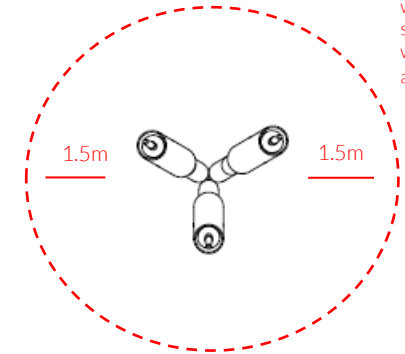
**7.** To attach rubber cattail tips, unscrew M12 bolts within note ends and replace with cattail tips. Be sure to **secure note end-discs back in place** to keep debris from falling in note.

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

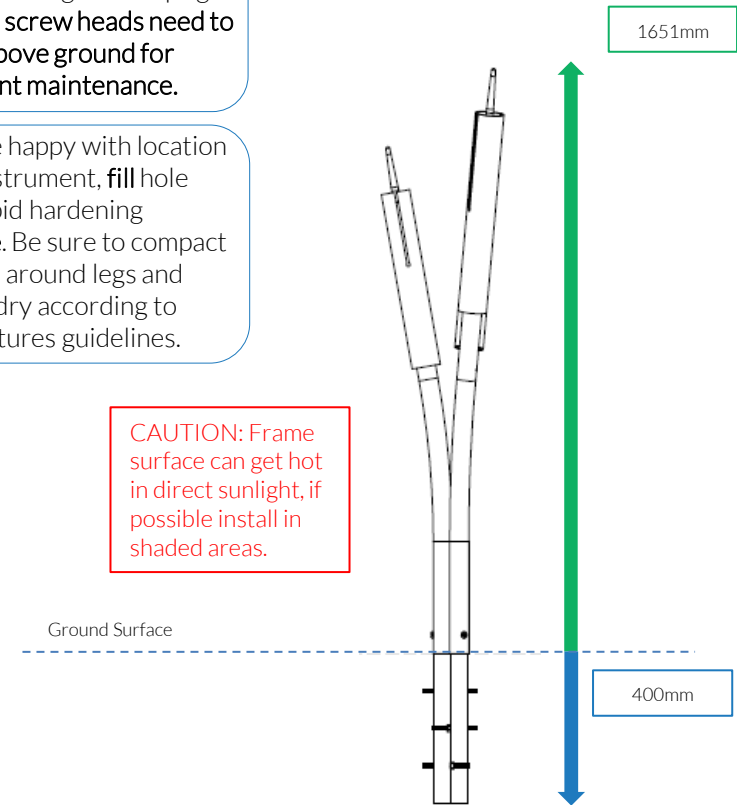
**9.** Fill bottom 50mm of hole with compressed aggregate.

**10.** Locate (lower) frame into hole making sure that the stems are straight and upright. **The M10 screw heads need to remain above ground for instrument maintenance.**

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



Small Beaters X1

Ground Fix Components:



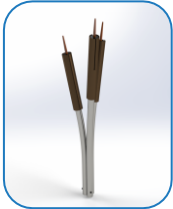
Spares available from [percussionplay.com](http://percussionplay.com) or from your local distributor

18 Kg

Tools:  
 x1  
 TX 45 Driver Bit

## Ground Fixed

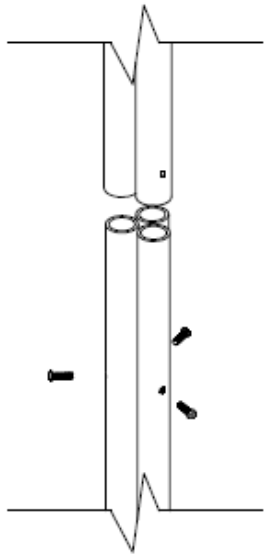
Cattail (3)  
 Page 2 of 3



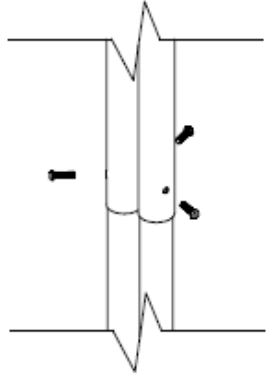
### Components:

 x3  
 M10x20mm Pin Torx

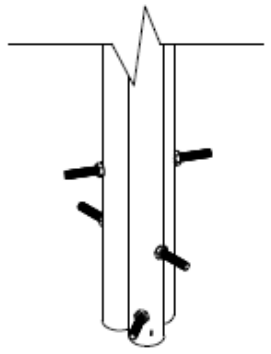
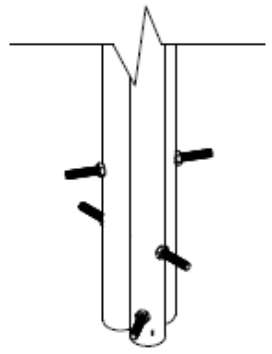
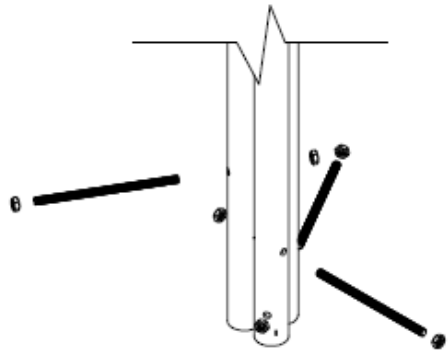
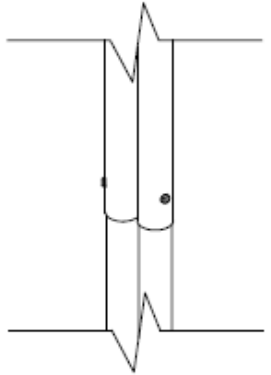
1.



2.



3.



 Small  
 Beaters X1

Ground Fix  
 Components:

 x3  
 M10x200 Threaded bar

 x6  
 M10 Nut

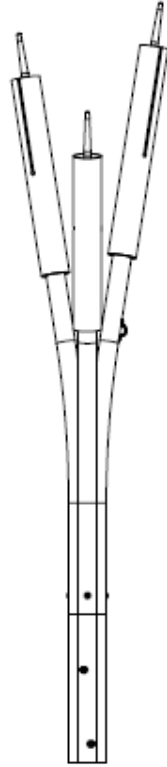


Spares available from  
[percussionplay.com](http://percussionplay.com) or from your  
 local distributor

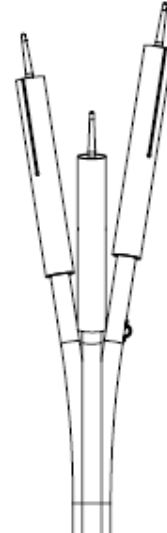
18 Kg

# Ground Fix Installation

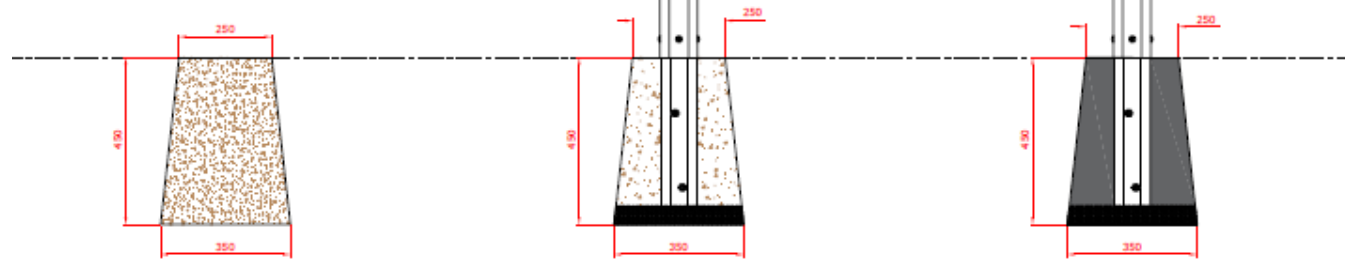
1. Excavate a hole with a 250mm diameter tapering down to 350mm diameter and 450mm depth.



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.

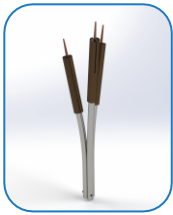


Foundations should not present a hazard. These foundations are recommended as a guide, for more information on foundation details for various surface see Part 1 of BS EN 1176.



## Ground Fixed

Cattail (3)  
Page 3 of 3



### Components:



x3

M10x200 Threaded Bar



x6

M10 Nut

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



MADE IN BRITAIN  
BS EN 1176