

Tumbadora Drums

Product Assessment

Percussion Play Ltd

Staple Ash Lane

Froxfield

Petersfield

Hampshire

GU32 1DJ



CONTRACTORS HEALTH & SAFETY ASSESSMENT SCHEME

Accredited Contractor

www.chas.gov.uk

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Tumbadora Drums Risk Assessment

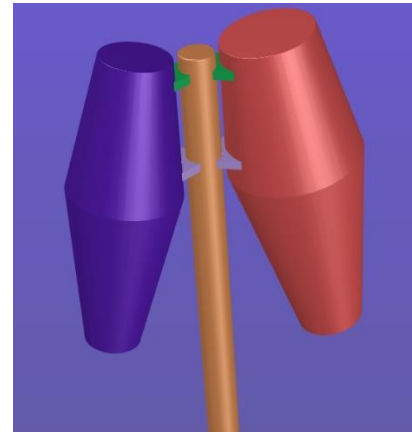
Assessment Date: 10th April 2019
Assessor: Keith Dalton
Manufacturer: Percussion Play Ltd
Risk Assessment: Very Low Risk

Activity: Use of musical playground equipment item

Number of Persons at Risk: Users, plus spectators

Hazards Involved with the Activity:

- Collision
- Entrapment



Safety Measures/Controls:

- All design requirements to comply fully with the requirements of BS EN 1176 Part 1 incorporating, where required, criteria from all sections of the standard where it is deemed applicable to the safety of this item.
- There are no falling height requirements for this type of equipment.
- The challenge (risk) associated with the use of the equipment is clearly foreseeable by the users.
- Age range: the intended age range for this item of equipment is for children of 3 years of age and above.
- A circulation Area of 1.50 metres is recommended to allow free movement for spectators around the item without moving into the space required for the safe use of the equipment.
- Correct siting of the equipment item within the playground environment to ensure free passage of playground users around the area.
- Detailed inspection and maintenance procedures to be provided for the equipment providing guidance on allowable tolerances during normal operation.

Risks remaining after the application of control measures:

Collision

With all control measures applied there will still be a risk remaining of users colliding with the equipment or with other users. It is considered that this remaining risk is of no significance, or any different from similar equipment item that incorporates this type of movement.

Given the provision of the safety measures detailed the remaining risk is considered to be 1 x 2 VERY LOW RISK

Additional Controls Required:

None

Risk Rating:

Likelihood		Severity	
1	Very Unlikely	1	Minor abrasion, light bruising
2	Not Very Likely	2	Small cuts, light sprains, more severe abrasion
3	Will happen at some time	3	Deep cuts, severe sprains etc. requiring medical intervention
4	Likely to happen	4	Injury requiring medical intervention and hospitalisation
5	Almost Certain to Happen	5	Permanent disability/death

Risk Score	Description	Action Required
1 – 5	Very Low Risk	Maintain control measures
6 – 10	Low Risk	Review control measures
11 – 15	Moderate Risk	Improve control measures
16 – 20	High Risk	Prevent access to item
21 – 25	Very High Risk	Remove from site

To establish the risk score, multiply Likelihood by Severity

Controls Adequate:

Signed: *KR Dalton*

Date: 10th April 2019

The Play Inspection Company Ltd

Assessment Review Date: 10th April 2020



Installation Instructions

Ground Fixed

Tumbadoras
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Instrument Components:



x4

M10x50 Security Screw



x4

M10x50x3 Square washer



x2

PU 200 Mount

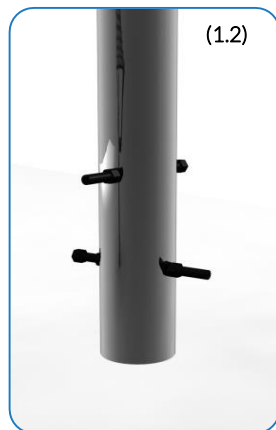
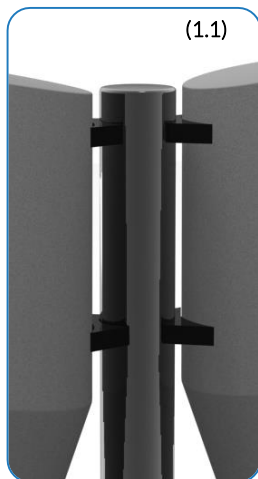


x2

PU 250 Mount

Metric

Conversion:
250mm/ 10"
400mm/ 16"
850mm/ 33"
1.5m/ 59"



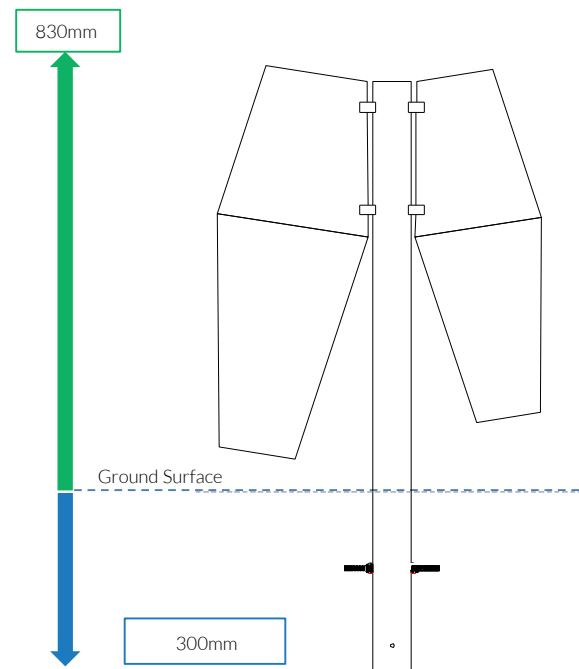
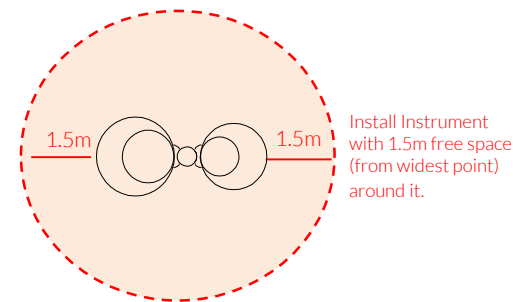
1. Attach the steel leg to each of the congas with the M10x50 security screws, square washers and PU mounts. (1.1) (See Assembly Guide)

2. Attach Ground Fixings to legs (1.2) (See Ground Fix Post Installation Sheet)

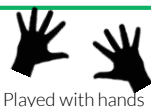
3. Excavate 1 hole for the Steel leg 250mm diameter by 300mm deep, in desired location upon decision from customer.

4. 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.



Weight of heaviest part 16kg (Large Djembe Drum)



Ground Fix Components:



x2

M10x200 Bolt



x4

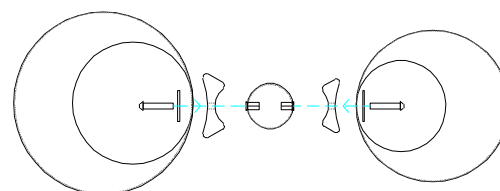
M10 Nut

Spares available from
percussionplay.com or from your
local distributor

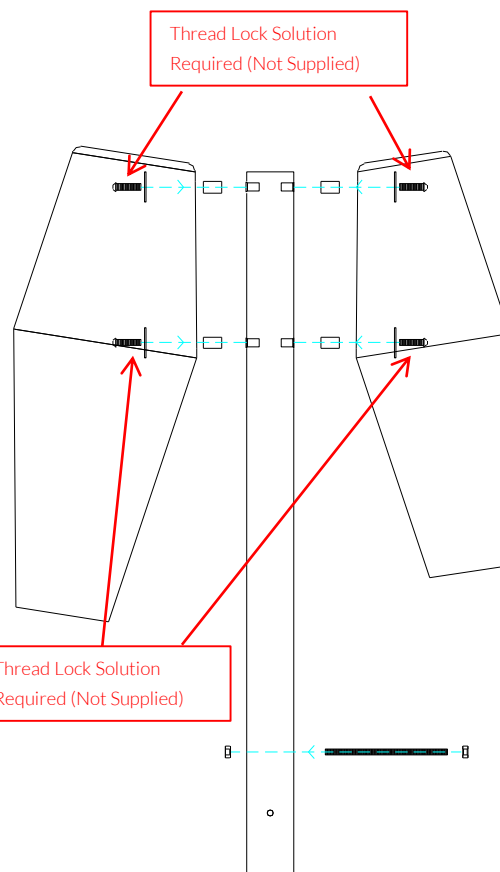
25 Kg

Tools:







 x1
TX 45 Driver Bit



PPTUMB PLAN



COMPONENTS LIST:

-  M10x50 Pin torx X4
-  M10x50x3 square washer X4
-  M10 Nut X4
-  M10x200 Threaded Bar X2
-  HDPE MOUNT 200 X2
-  HDPE MOUNT 250 X2

PPTUMB FRONT

Ground Fixed

Tumbadoras
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Instrument Components:



x4

M10x50 Security Screw



x4

M10x50x3 Square washer



x2

PU 200 Mount



x2

PU 250 Mount

Thread Lock Solution
Required (Not Supplied)



BS EN 1176



Played with hands

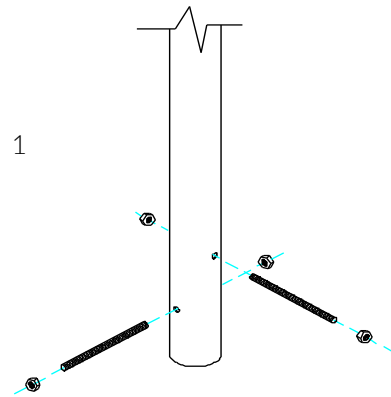
Ground Fix
Components:



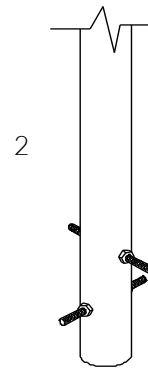
Spares available from
percussionplay.com or from your
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15 Kg

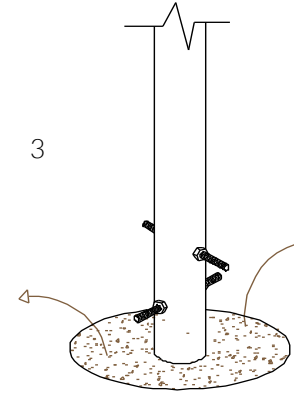
Ground Fix Post Installation



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

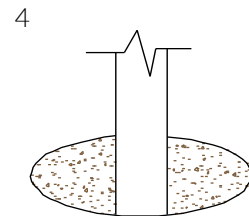


2
Fix M10x 200 Threaded bar in place using M10 Nuts



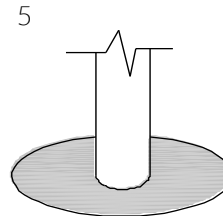
3
Excavate a hole with a 250mm diameter tapering down to 350mm diameter and 350mm depth

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

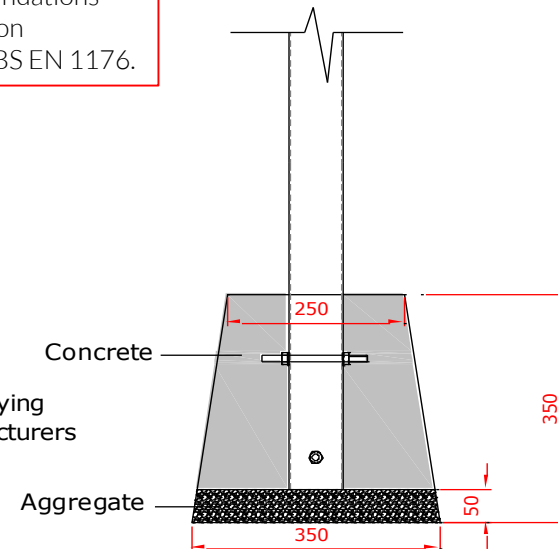


4
Compact base of hole with 50mm of aggregate. Lower ground Fix post attached of instrument into hole (check instrument straight and level before filling with concrete)

300mm min depth



5
Fill hole with fast drying concrete to manufacturers specifications.



Ground Fixed

Tumbadoras
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Components:



Metric Conversion:
50mm/ 2"
250mm/ 10"
350mm/ 14"

Certificate of Conformity

Issue date: 10th April 2019

Percussion Play Ltd
Staple Ash Lane
Froxfield
Petersfield
Hampshire
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Products covered:

Tumbadora Drums

The product detailed has been assessed as conforming to the main dimensional requirements of BS EN 1176:2017 based on technical drawings provided by the manufacturer

The desktop product assessments undertaken by the Play Inspection Company Ltd are not a formal certification as would be produced by an accredited test house. They are an indication of conformity based on drawings and dimensional information provided by the client.

We will check the major dimensional requirements as set out in the current standards for playground equipment (BS EN 1176 – Parts 1-6, 10 & 11 as applicable to the product assessed. These dimensions include such things as barrier heights, platform heights, free height of fall, head and neck entrapment etc. but will exclude finer detail such as finger entrapment and toggle entrapments as these cannot be fully assessed based on a drawing alone. We do not undertake any structural assessment or testing, that element remains the responsibility of the designer; nor do we assess the suitability of materials used in the construction.

Assessed by: Keith Dalton

Reference Standards

The Play Inspection Company

Unit 5, Glenmore Business Park
Blackhill Road
Holton Heath
Poole
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BH16 6NL

