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

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 to 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.

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

Instrument Components:
Rainbow Sambas are pre-assembled

Weight of heaviest part 14.6kg (XL Samba)

Ground Fix Components:
M8x25 Security Screw x34
M8 Lock Washer x34
L Brackets x17

BS EN 1176

Spares available from percussionplay.com or from your local distributor

44 Kg
Assembly Guide PPRASA

Ground Fixed
Rainbow Sambas
Page 2 of 4

Instrument Components:
Rainbow Sambas are pre-assembled

Thread Lock Solution Required (Not Supplied)

Tools:
- TX 40 Driver Bit

Components List:
- M8x25 Pin Torx X34
- M8 Lock Washer X34
- Ground Fix L Bracket X17

Components:
- M8x25 Security Screw x34
- M8 Lock Washer x34
- L Brackets x17

Spares available from percussionplay.com or from your local distributor

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

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.

Components:
- M8x25mm Pin Torx 17 x
- M8 Lock Washer 34 x
- L Brackets 17 x

Tools:
- TX 40 Driver Bit 1 x
Ground Fix Installation

3
Compact each hole with a maximum of 65mm of aggregate and lower each samba into its hole.

4
Fill each 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 7 of BS EN 1176.
1. Assemble Akadinda frame comprising 2x 'X'-shaped legs and 1x horizontal beam. (See Assembly Guide). Cover 8 holes on horizontal beam using 4x30mm caps (1.1)

2. Locate M8x80mm eye bolts through pre drilled holes using flat washers on both sides of the timber to prevent the fixing pulling into the timber. Secure in place with M8 nyloc nuts, cover 4 holes in ends using 4x30mm caps. (1.3)

3. Place Akadinda in desired location and mark 4 holes for excavation.

4. Excavate holes to min depth 150mm according to required height for intended players. Hole depth guide below.

5. Locate legs in holes and check levels prior to concreting in place. Once happy with location an levels, fill holes using rapid hardening concrete. Leave to dry according to manufactures guidelines.

Weight of heaviest part 28kg (Frame)

Instrument Components:
- M10 Wedge Nut X2
- M10 x30 SS Washer X2
- M8x25 SS Washer X2
- Eye Straps X2
- M8 Lock Nut X4
- 10x38mm Secure Screw X4
- M10x130 Bolt X2
- 5x70mm Screw X4
- Black Caps X8
- Pair Large Red Beaters X2

Height to centre of notes:
- KS0 3-5 500mm Depth 400mm
- KS1 5-7 650mm Depth 250mm
- KS2 7-11 750mm Depth 150mm
- Adult 900mm Surface Mounted

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

Metric Conversion:
- 150mm/ 6”
- 250mm/ 10”
- 360mm/ 14”
- 400mm/ 16”
- 500mm/ 20”
- 650mm/ 26”
- 750mm/ 30”
- 900mm/ 35”
- 1.5m/ 59”

Spares available from percussionplay.com or from your local distributor
Assembly Guide PPAKAD

COMPONENTS LIST:
- M10 wedge nut X2
- Black Plastic Cap X8
- M10x130 Bolt X2
- M10x30 washer X2
- M8x25 washer X8
- 5x70 screw X4
- M8 Nyloc nut X4

Tools:
- TX 25 Driver Bit

Instrument Components:
- M10 Wedge Nut X2
- M10 x30 SS Washer X2
- M8x25 SS Washer X8
- M8 Lock Nut X4
- M10x130 Bolt X2
- 5x40mm Secure Screw X4
- Black Caps X8
- 5x70mm Screw X4

Spares available from percussionplay.com or from your local distributor

48 Kg
Installation Instructions

1. Attach the steel legs to the base of the instrument with the M8 Nyloc Nuts and 2 part security caps. (1.1) (See Assembly Guide)

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

3. Excavate 1 hole for the Steel legs 250mm diameter by 350-500mm deep depending on Key stage, 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.

6. Attach the 1 pair of beater to the saddle strap on the leg. (1.3)

Instrument Components:
- M8 Nyloc Nut x4
- M6x20 Security Screw x2
- 2 Part Cover Cap x4
- M6 Saddle Strap x1

Weight of heaviest part 10.5kg (Sansa Rimba)

Ground Fix Components:
- M10x200 Bolt x2
- M10 Nut x4

Ground Fixed
Sansa-Rimba
Page 1 of 3

Spares available from percussionplay.com or from your local distributor

19.5 Kg
Assembly Guide PPSANS

Ground Fixed

Sansa-Rimba
Page 2 of 3

Instrument Components:
- M8 Nyloc Nut x4
- M6x20 Security Screw x2
- 2 Part Cover Cap x4
- M6 Saddle Strap x1

Thread Lock Solution Required (Not Supplied)

PPSANS FRONT

Components:
- M10 Nut x4
- M10x200 Bolt x2
- Saddle Strap x1
- M6x20 Pin torx x2

GROUND Fix Components:
- 19.5 Kg
- Pair Small Red Beaters X1

Tools:
- TX 30 Driver Bit x1
- TX 40 Driver Bit x1

COMPONENTS LIST:
- 2 Part Cover Cap X4
- M8 Nyloc nut X4
- M10 Nut X4
- M10x200 Threaded Bar X2
- Saddle Strap X1
- M6x20 Pin torx X2

Spares available from percussionplay.com or from your local distributor
**Ground Fix Post Installation**

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

Fix M10x 200 Threaded bar in place using M10 Nuts

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

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

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 surfaces see Part 7 of BS EN 1176.

**Components:**
- M10x200 Bolt x2
- M10 Nut x4

**Metric Conversion:**
- 50mm/ 2"
- 250mm/ 10"
- 300mm/ 12"
- 350mm/ 14"
- 400mm/ 16"
- 450mm/ 18"
**Installation Instructions**

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.

**Ground Fix Components:**
- M10x150 Bolt x14
- M10 Nut x28

**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)

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Spares available from percussionplay.com or from your local distributor

59 Kg
Ground Fix Post Installation

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

Fix M10x 150 Threaded bar in place using M10 Nuts

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.

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)

Fix hole with fast drying concrete to manufacturers specifications.

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

Components:
- M10x200 Threaded Bar x14
- M10 BZP Nut x28

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

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 M10x100mm screws supplied (see installation guide).

2. (See ground fix sheet) Excavate a hole on site of installation minimum 500mm 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 hole on 5 degree angle 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.

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

Components:
- M10x100 Security Screw x4
- Eye Straps x2
- M6x20mm Secure Screw x4
- Weight of heaviest part 15kg

Ground Fix

Cherub
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Spares available from percussionplay.com or from your local distributor.
Assembly Guide PPSWAV

Ground Fixed
Cherub
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Components:
- M10x100 Security Screw x4
- Eye Straps x2
- M6x20mm Secure Screw x4

Thread Lock Solution Required (Not Supplied)

Spares available from percussionplay.com or from your local distributor

22 Kg

Tools:
- TX 45 Driver Bit x1
- TX 30 Driver Bit x1

Components List:
- Saddle Strap X2
- M6x20 Pin torx X4
- M10x100 Pin torx X4
- M10 Nut X8
- M10x200 Threaded Bar X4

Pair Small Beaters X1

Ground Fix Components:
- M10x200 Threaded Bar x4
- M10 Nut x8

BS EN 1176
Excavate a hole with a 250x650mm tapering down to 350x750mm diameter and 550mm depth

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

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

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.