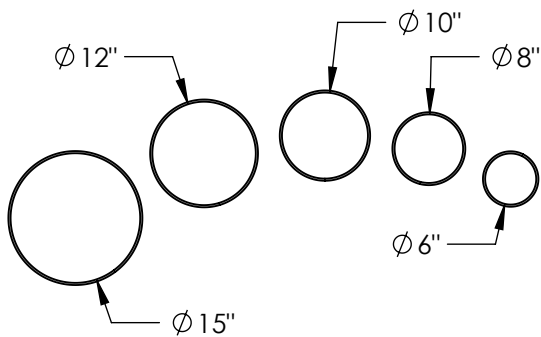
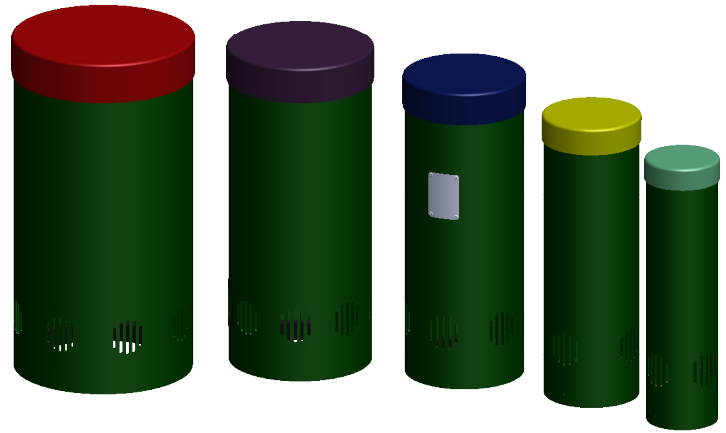


CONTENTS

- Sheet 1:** Basic Information
- Sheet 2:** Pre-Install and Bill of Materials
- Sheet 3:** Bill of Materials (cont.)
- Sheet 4:** In Ground
- Sheet 5:** Surface Mount
- Sheet 6:** Portable Mount

INSTRUMENT INFO

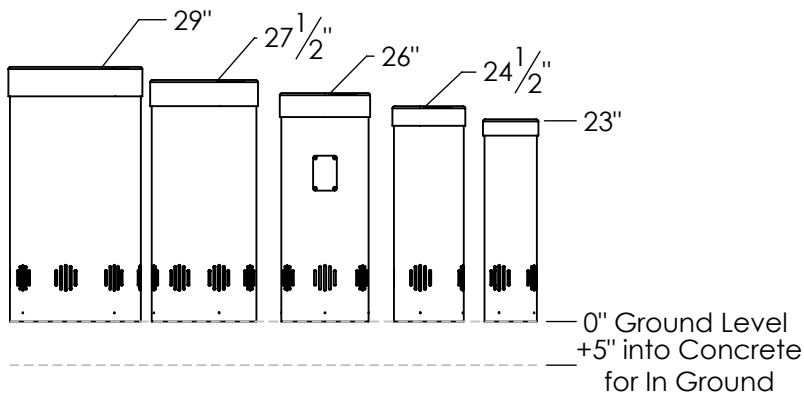
- Notes:** 5 Distinct Pitches Based on Size
- Cap:** Synthetic Polymer Alloy
- Body:** LLDPE



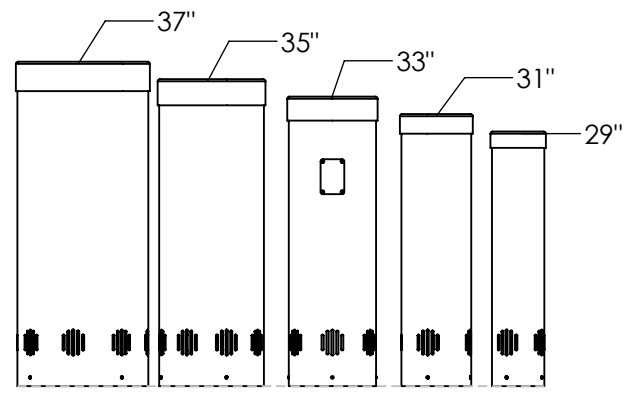
Weights:

- Instrument Total Weight, 60-84lbs.
- Boxed Instrument Total Weight, 90-110lbs.
- Individual Drum Weights vary per style and finished height selection

TODDLER HEIGHT



NORMAL HEIGHT



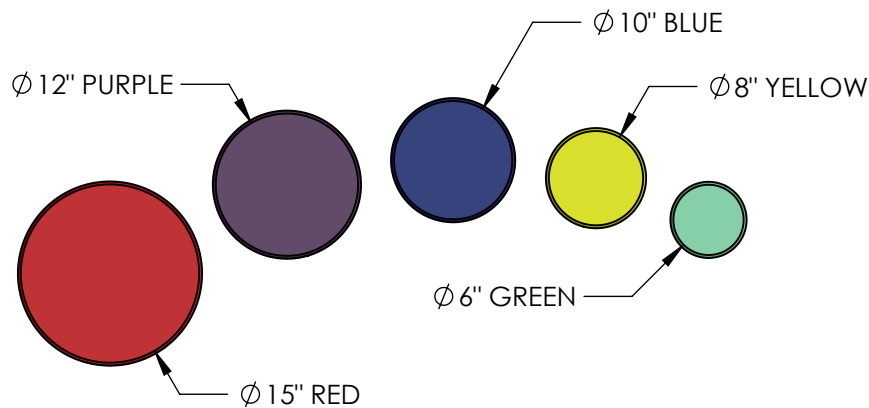
PRE-INSTALL INSTRUCTIONS

Determine layout style and mark layout. The drums can be laid out in a variety of styles such as an arc, cluster or straight-line.

The Tuned Drums were designed and tested in line with ASTM F1487 standards as a ground level activity with the intended use as a musical instrument to be played while the user maintains constant contact with the ground. Note that drums should be spaced either less than 3" or greater than 9" from each other to meet ASTM requirements for head entrapment.

BILL OF MATERIALS

Tuned Drums come in two heights, Normal and Toddler, and two cap colors, Rainbow and Taupe. Installation is identical for every combination of height and color. Specific Rainbow cap colors are as follows:



IN GROUND MOUNT

In Ground Mounted versions of the Tuned Drums do not require any additional mounting hardware as the drum cylinders are placed directly into the concrete.

SURFACE MOUNT

All Surface Mounted versions of the Tuned Drums use the following hardware:

PART NUMBER	DESCRIPTION	QTY.
TD-SM-AD-15	Ø15" Surface Mount, Anchor Disc HDPE (1.5" Black)	1
TD-SM-AD-12	Ø12" Surface Mount, Anchor Disc HDPE (1.5" Black)	1
TD-SM-AD-10	Ø10" Surface Mount, Anchor Disc HDPE (1.5" Black)	1
TD-SM-AD-8	Ø8" Surface Mount, Anchor Disc HDPE (1.5" Black)	1
TD-SM-AD-6	Ø6" Surface Mount, Anchor Disc HDPE (1.5" Black)	1
POW 7304SD4	1/4"-20 Wedge Expansion Anchor, 3.25"lg. SS	15
10N200TBTS	# 10 Button Head Screw, 2"lg. SS, T25 tamp	20

PORTABLE MOUNT

All Portable Mounted versions of the Tuned Drums use the following hardware:

PART NUMBER	DESCRIPTION	QTY.
TD-SM-AD-15	ø15" Surface Mount, Anchor Disc HDPE (1.5" Black)	1
TD-SM-AD-12	ø12" Surface Mount, Anchor Disc HDPE (1.5" Black)	1
TD-SM-AD-10	ø10" Surface Mount, Anchor Disc HDPE (1.5" Black)	1
TD-SM-AD-8	ø8" Surface Mount, Anchor Disc HDPE (1.5" Black)	1
TD-SM-AD-6	ø6" Surface Mount, Anchor Disc HDPE (1.5" Black)	1
10N200TBTS	#10 Button Head Screw, 2"lg. SS, T25 tamp	20
94785A415	1/4"-20 Square Nut, SS	15
92949A551	1/4"-20 x 2-1/4" Lg. SS Button-Head Socket Cap Screw	15
TD-PM-PS	Tuned Drums - HDPE Portable Stand (1" Black)	1

REPLACEMENT CAPS

Replacement Drum Caps are available under the following part numbers:

PART NUMBER	DESCRIPTION
RPLC-TD-CAP-6	ø6" Drum Cap Replacment (Specify Color)
RPLC-TD-CAP-8	ø8" Drum Cap Replacment (Specify Color)
RPLC-TD-CAP-10	ø10" Drum Cap Replacment (Specify Color)
RPC-TD-CAP-12	ø12" Drum Cap Replacment (Specify Color)
RPLC-TD-CAP-15	ø15" Drum Cap Replacment (Specify Color)

Parts List:

ITEM NO.	DESCRIPTION	QTY.
1	Ø 15" In Ground Tuned Drum	1
2	Ø 12" In Ground Tuned Drum	1
3	Ø 10" In Ground Tuned Drum	1
4	Ø 8" In Ground Tuned Drum	1
5	Ø 6" In Ground Tuned Drum	1

Step 1: Arrange Drums in desired location and pattern. Drums can be laid out in any configuration desirable, but must be installed less than 3" or greater than 9" apart. **WARNING: Between 3" and 9" there lies a chance for a child's head to get stuck.** (Reference: US Consumer Product Safety Commission, Public Playground Safety Handbook)

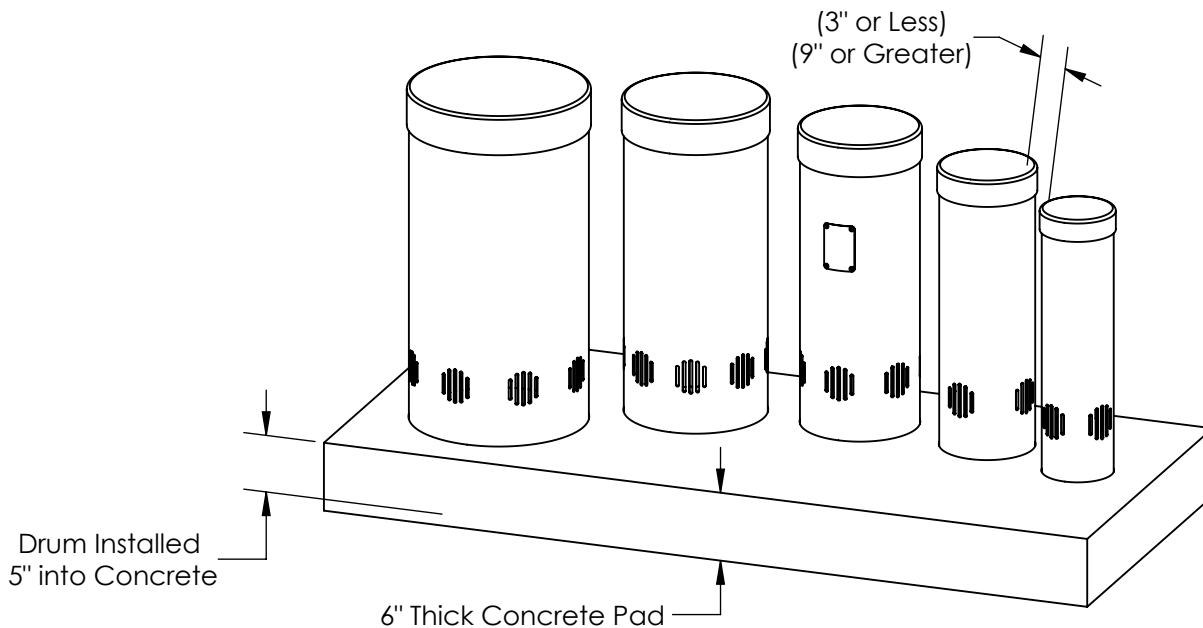
Step 2: Determine border of trench for concrete pad. Trench should be a minimum of 6" deep. Concrete pad should perform under local soil and weather conditions.

Step 3: Excavate trench to required depth. Check levelness of trench then pour concrete and fill trench completely per code requirements. Immediately after the concrete has been poured, drive the Tuned Drums into the wet concrete per your chosen layout.

Step 4: The bottom edge of the Drum Bases are scalloped to assist in their installation into the concrete. Twist Drums into concrete to a depth of 5". Check for plumbness, if needed brace the Drums to keep them rigid and in place during the curing process. Leave to set according to the concretemanufacturer's guidelines.

Step 5: Check for sufficient clearance around instruments. A 36" clearance is recommended around the the entire Drum arrangement for wheelchair accessibility, however this is not required for proper function. Drums may also be installed next to a wall or in a variety of different configurations.

Step 6: Remove plastic film from drum caps if applicable.



Parts List:

ITEM NO.	DESCRIPTION	QTY.
1	Ø 15" Surface Mount Tuned Drum	1
2	Ø 12" Surface Mount Tuned Drum	1
3	Ø 10" Surface Mount Tuned Drum	1
4	Ø 8" Surface Mount Tuned Drum	1
5	Ø 6" Surface Mount Tuned Drum	1
6	Surface Mount Anchor Disc	5
7	Ø 1/4 x 3.25" Anchor Bolt, SS	15
8	#10 Button Head Screw, 2"lg. SS, T25 tamp	20
9	Security Driver	1

Step 1: Arrange Drums in desired location and pattern. Drums can be laid out in any configuration desirable, but must be installed less than 3" or greater than 9" apart. **WARNING: Between 3" and 9" there lies a chance for a child's head to get stuck.** (Reference: US Consumer Product Safety Commission, Public Playground Safety Handbook)

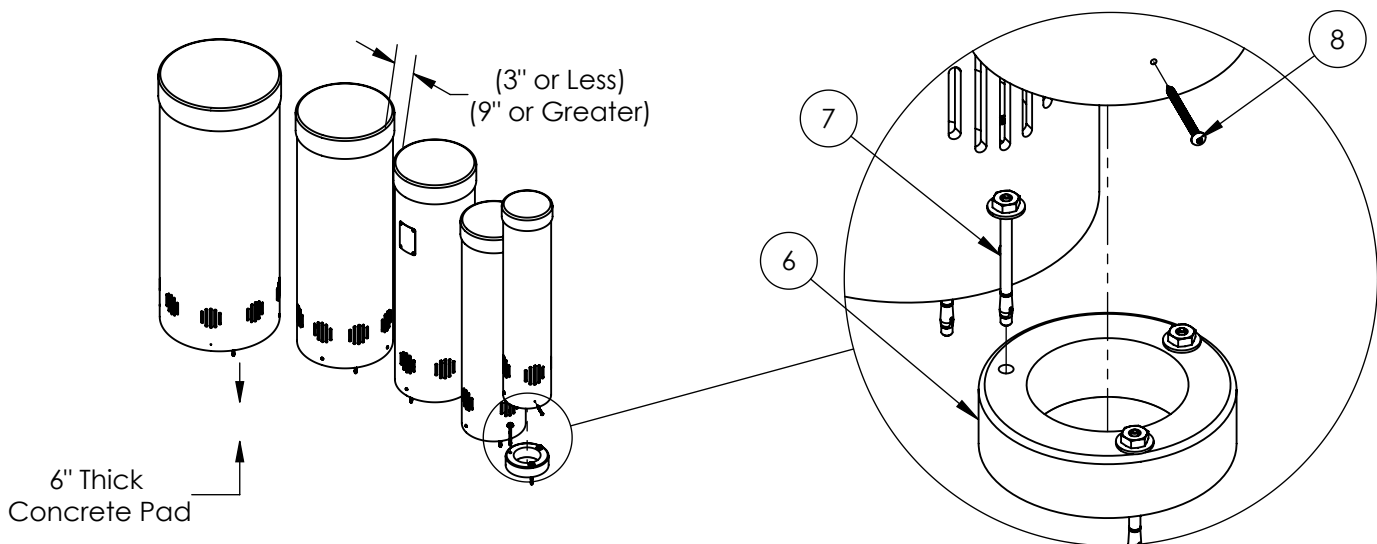
Step 2: Once you have decided your layout, replace drums with the provided Anchor Discs. Mark holes on the concrete through the (3) holes on all of the Anchor Discs. Set aside Discs, drill 1/4" holes 2" into concrete at marked locations. A Ø 1/4" masonry drill bit will be needed. Contractor to provide a concrete slab that will perform under local soil and weather conditions. (If anchoring to a material other than concrete, fasteners to be provided by the customer)

Step 3: Place the Anchor Discs back over the drilled out holes. Insert provided anchor bolts into aligned holes. Position anchor nut so that it is flush with the top of the bolt. Pound anchor bolts into the hole until the anchor washer is flush with the post base. Tighten anchor bolts until they are snug.

Step 4: Install the Drums over the Anchor Discs. Pre-drill (4) 1/8" holes in a 90° cross pattern, 1" up from the bottom of the drum. Drill through both Drum and Anchor Disc. When predrilling holes, make sure they clear the previously installed anchor bolts, and that there is clearance for the 2" screws to be installed without interfering with the other drums. Secure Drums to Discs with the provided #10 Button Head Screws and Driver.

Step 5: Check for sufficient clearance around instruments. A 36" clearance is recommended around the the entire Drum arrangement for wheelchair accessibility, however this is not required for proper function. Drums may also be installed next to a wall or in a variety of different configurations.

Step 6: Remove plastic film from drum caps if applicable.



Parts List:

ITEM NO.	DESCRIPTION	QTY.
1	Ø 15" Surface Mount Tuned Drum	1
2	Ø 12" Surface Mount Tuned Drum	1
3	Ø 10" Surface Mount Tuned Drum	1
4	Ø 8" Surface Mount Tuned Drum	1
5	Ø 6" Surface Mount Tuned Drum	1
6	Portable Stand	1
7	1/4" Square Nut	15
8	Surface Mount Anchor Disc	5
9	Ø 1/4 x 2-1/2"lg. Button Head Screw, SS	15
10	#10 Button Head Screw, 2"lg, SS, T25 tamp	20
11	Security Driver	1

Step 1: Ensure Square Nuts are firmly seated in the underside of the Portable Stand. With the provided driver, attach the Anchor Discs to the Portable Stand using (3) 1/4" x 2-1/2" lg Screws per disc, driving through the top into the Square Nuts.

Step 2: Install the Drums over the Anchor Discs. Pre-drill (4) 1/8" holes in a 90° cross pattern, 1" up from the bottom of the drum. Drill through both Drum and Anchor Disc. When pre-drilling holes, make sure they clear the previously installed anchor bolts, and that there is clearance for the 2" screws to be installed without interfering with the other drums. Secure Drums to Discs with the provided #10 Button Head Screws and Driver.

Step 3: Check for sufficient clearance around instruments. A 36" clearance is recommended around the the entire Drum arrangement for wheelchair accessibility, however this is not required for proper function.

Step 4: Remove plastic film from drum caps if applicable.

