

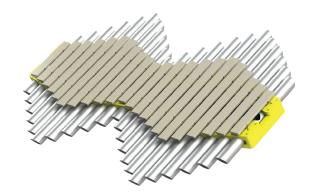
Model # FHP-400-RIG

627 Amersale Drive Naperville, IL 60563 Phone: (800) 323-5664 Fax: (630) 897-0573 sales@belson.com

# **Instruction Sheet**

# **PREMIUM 5 INSTRUMENT ENSEMBLE**





IMBARIMBA MARIMBA FHP-004-RIG



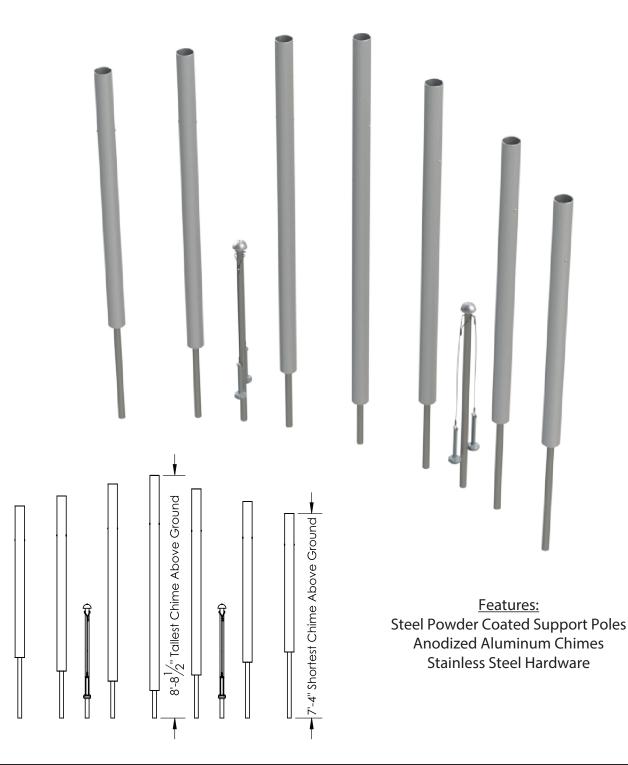


Model # FHP-002

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# **Instruction Sheet**

# CONTRABASS CHIMES C MAJOR PENTATONIC



# **IN-GROUND INSTALLATION PROCEDURES**

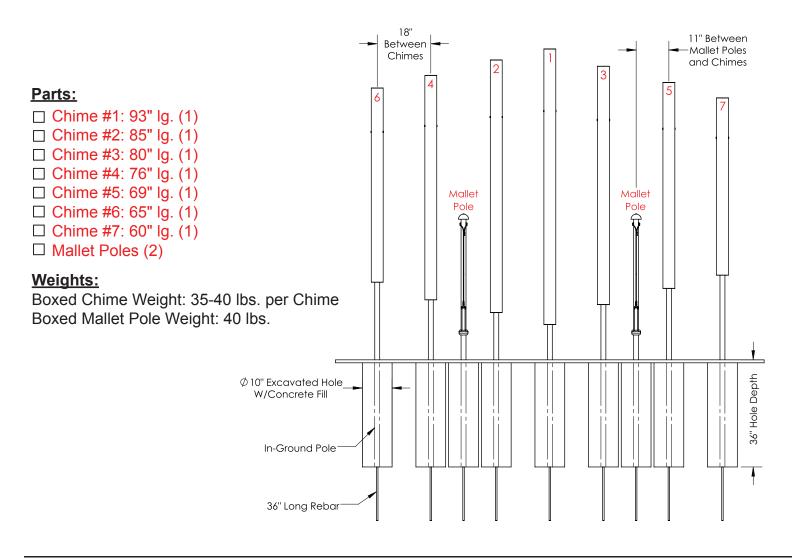
**Step 1:** Determine your layout. Chimes are numbered from Longest #1 to Shortest #7. Spacing between Chimes and Mallet Poles must be maintained per the diagram shown to allow the Mallets to reach each Chime. Although the Chimes can be laid out in a variety of styles such as an arc, wave, or straight-line; we suggest one of the following layout ordering:

#6, #4, Mallet Pole, #2, #1, #3, Mallet Pole, #5, #7 OR #1, #2, Mallet Pole, #3, #4, #5, Mallet Pole, #6, #7

Step 2: After choosing your layout, excavate (9) 10" Diameter holes, at 36" deep.

**Step 3 (Optional):** Pound 36" long Steel Rebar (not provided)18" into the center of each hole. This process helps with keeping the Chimes vertical while the concrete cures.Place each Chime into their holes over the Rebar.

**Step 4:** Place each Chime into their holes, then pour concrete around the in ground poles. Check that all Chimes are level. Leave concrete to set according to the concrete manufacturer's guidelines. If necessary, brace the Chimes to hold them rigid during the curing process. Approximately (18) 80 lb bags will be needed. (Chimes must be as vertical as possible for best sound)



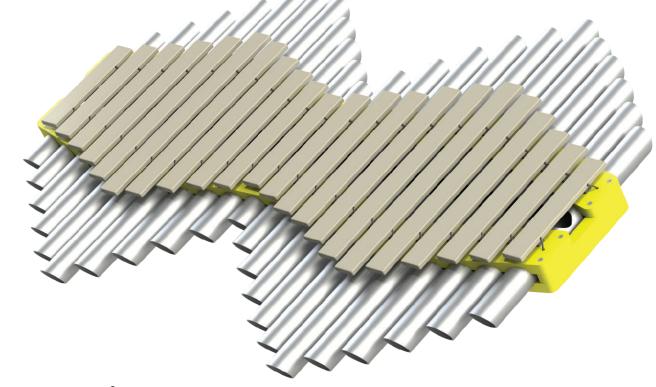


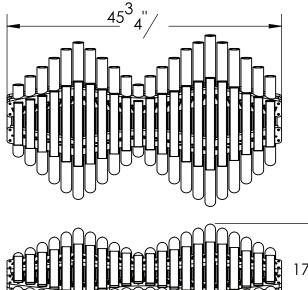
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Model # FHP-004

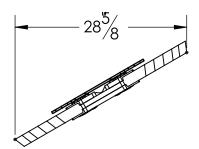
# **Instruction Sheet**



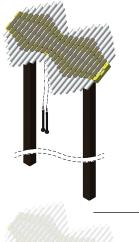




Features: HDPE Frame Coated Fiberglass Bars Anodized Aluminum Resonators Stainless Steel Hardware



3/" 4



## **Recycled Plastic Post: In-Ground Mount**

#### Parts:

🗌 10-24 Tap (1)

□ Instrument Assembly (1)
Recycled Post In-Ground (2)
□ 1-1/4" Tamper-Resistant Screw (10)
Security Driver (1)
Dual Drive #2 Screw (8)
🗆 Holster (2)

<u>Weights:</u> Boxed Instrument Weight: 60 lbs. Boxed Post Weight: 57 lbs.

Steel Post: In-Ground Mount			
<u>Parts:</u> □ Instrument Assembly (1)	<u>Weights:</u> Boxed Instrument Weigl Boxed Post Weight: 72 I		
<ul> <li>☐ Steel Post In-Ground (2)</li> <li>☐ 1" Tamper-Resistant Screw (10)</li> <li>☐ 10-24 Tap (1)</li> <li>☐ 11/64" Drill Bit (1)</li> </ul>	<ul> <li>Security Driver (1)</li> <li>Dual Drive #2 Screw (8)</li> <li>Holster (2)</li> </ul>		
<b>Recycled Plastic Post: Surface Mount</b>			
<u>Parts:</u> □ Instrument Assembly (1) □ Recycled Post Surface Mount (2)	<u>Weights:</u> Boxed Instrument Weigh Boxed Post Weight: 35 I		
<ul> <li>1-1/4" Tamper-Resistant Screw (10)</li> <li>Security Driver (1)</li> <li>3/8"dia. x 5" Anchor Bolt (8)</li> </ul>	<ul> <li>□ Plastic Anchor Cap (8)</li> <li>□ Dual Drive #2 Screw (8)</li> <li>□ Holster (2)</li> </ul>		
Steel Post: Surface Mount			
Parts: Instrument Assembly (1)	<u>Weights:</u> Boxed Instrument Weigh Boxed Post Weight: 40 I		

Boxed Post Weight: 40 lbs.

□ 3/8"dia. x 3-3/4" AnchorBolt (8)

Plastic Anchor Cap (8)

Dual Drive #2 Screw (8)

 Recycled Plastic Post: Portable Mount

 Parts:
 Weights:

Parts:	<u>vveignts:</u>
Instrument Assembly (1) Recycled Post Portable (2)	Boxed Instrument Weight: 60 lbs. Boxed Post Weight: 45 lbs.
□ 1-1/4" Tamper-Resistant Screw (10)	
Security Driver (1)	Dual Drive #2 Screw (8)
□ 3/8" dia. x 12" Stake (4)	🗆 Holster (2)

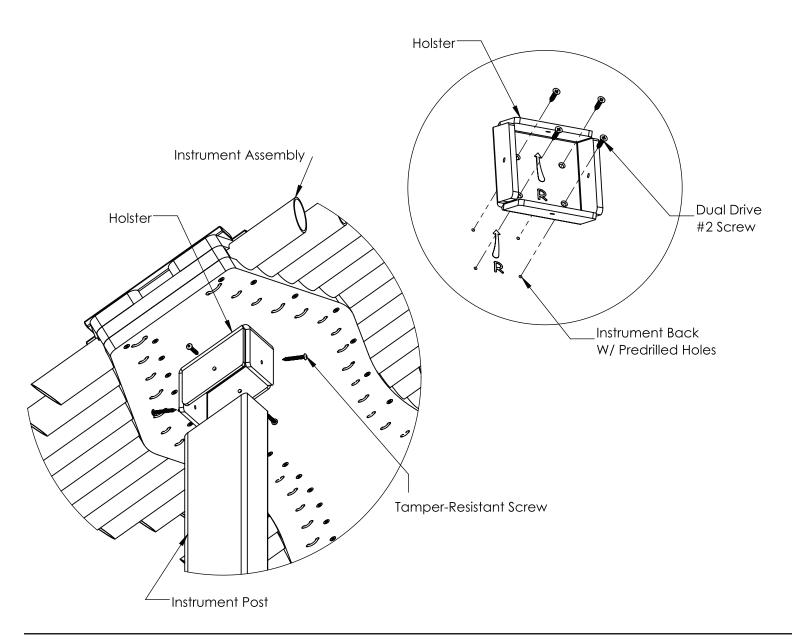
# HOLSTER AND INSTRUMENT TO POST INSTALLATION PROCEDURES

**Step 1:** Align Holsters to the instrument back with the corresponding arrows and letters. Fasten Holster to back with the provided dual drive screws. Backs are predrilled. Screw heads should be flush with the Holster surface when properly installed. Holster must also be flush along the back. An extended square drive or Phillips will be needed. Drive screws in slowly to prevent stripping.

#### Step 2:

(**Recycled Post Only**) With two people, situate the instrument onto the posts. Predrill 1/8" pilot holes into the posts through the existing holes on the instrument holster. Fasten the instrument to the posts with the provided 1-1/4" tamper-resistant screws and security driver.

(Steel Post Only) With two people, situate the instrument onto the posts. Predrill 11/64" pilot holes into the posts through the existing holes on the instrument holster. Next tap the holes with the provided 10-24 Tap, the Tap may be used with a cordless drill. Last fasten the instrument to the posts with the provided 1" tamper-resistant screws and security driver.



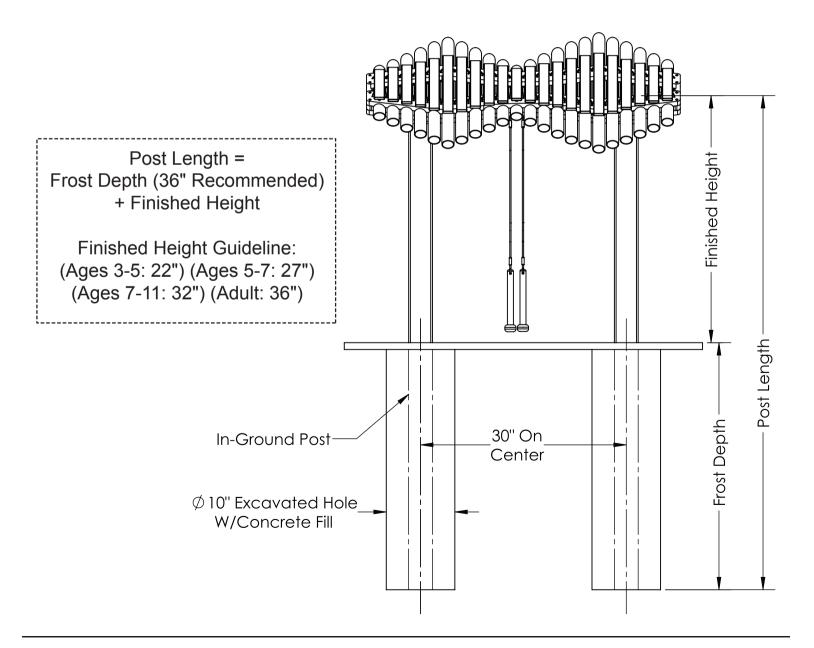
# **RECYCLED AND STEEL POST IN-GROUND MOUNT INSTALLATION PROCEDURES**

**Step 1:** Excavate two 10" diameter holes, 36" deep, and 30" on center at the installation location. Contractor can modify post to desired height.

Step 2: Lower the posts into the excavated holes.

**Step 3:** Verify the correct placement, levelness, plumbness, and finished height of the instrument. Also check for sufficient clearance around the instrument. A 36" radius is recommended around the instrument for wheelchair accessibility, however this is not required for instrument function. Instrument may be installed next to a wall or in a variety of different configurations.

**Step 4:** Last pour concrete around the posts. It is recommended to brace the instrument to hold it rigid while the concrete cures. Leave to set according to the concrete manufacturers guidelines. Approximately (4) 80lb. bags will be needed.



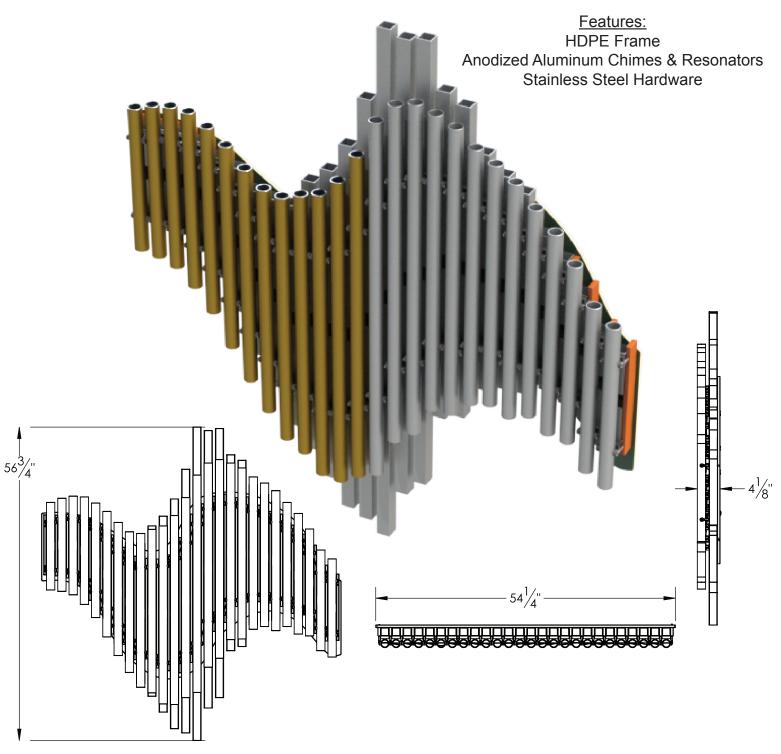


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Model # FHP-009

**Instruction Sheet** 

# SWIRL METALLOPHONE GOLD: C MAJOR / SILVER: A MINOR PENTATONIC





# **Recycled Plastic Post: In-Ground Mount**

Parts:

Instrument Assembly (1)
Recycled Post In-Ground (2)
1-1/4" Tamper-Resistant Screw (12)
Security Driver (1)
T25 Torx, 4" lg. Screw (4)

<u>Weights:</u> Boxed Instrument Weight: 215 lbs. Boxed Post Weight: 74 lbs.

#### Steel Post: In-Ground Mount

#### Parts:

Instrument Assembly (1)
Steel Post In-Ground (2)
1" Tamper-Resistant Screw (12)
10-24 Tap (1)
11/64" Drill Bit (1)
Security Driver (1)
T25 Torx, 4" Ig. Screw (4)

#### Weights: Boxed Instrument Weight: 215 lbs. Boxed Post Weight: 87 lbs.

#### **Steel Post: Surface Mount**

Parts:

Instrument Assembly (1)
Steel Post Surface Mount (2)
1" Tamper-Resistant Screw (12)
10-24 Tap (1)
11/64" Drill Bit (1)
Security Driver (1)
3/8" dia. x 3-3/4" Anchor Bolt (8)

Weights:

Boxed Instrument Weight: 215 lbs. Boxed Post Weight: 65 lbs.

Plastic Anchor Cap (8)T25 Torx, 4" Ig. Screw (4)



Parts: Instrument Assembly (1) Recycled Post Wall Mount (2) I -1/4" Tamper-Resistant Screw (12) Security Driver (1) 3/8" dia. x 5" Anchor Bolt (4) T25 Torx, 4" lq. Screw (4) <u>Weights:</u> Boxed Instrument W/ Wall Posts Weight: 215 lbs.

# **INSTRUMENT TO POST INSTALLATION PROCEDURES**

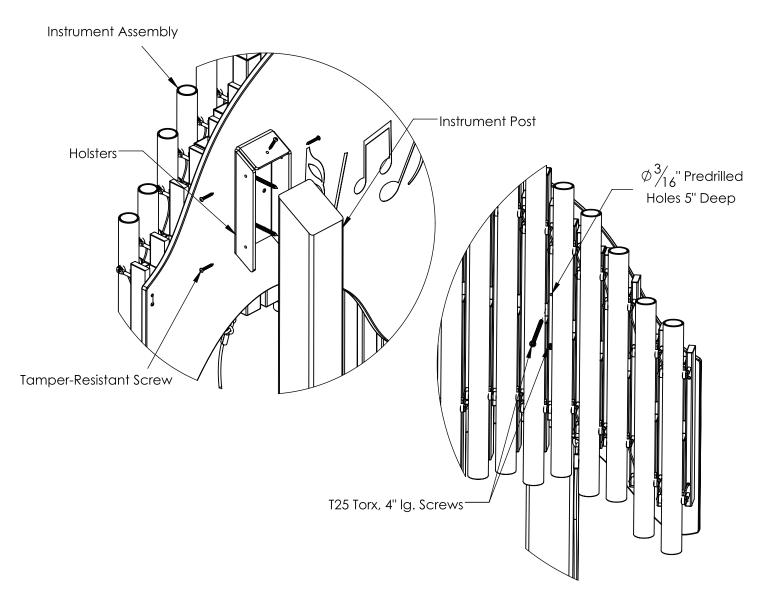
**Step 1:** To ease the installation of the Swirl a 2x4 Brace has been added to the back of the Instrument. When the Swirl is face down there is some flex that is not present when it is upright. To install the Swirl have two people pick it up, rotate it to where it is upright, remove the brace than continue to the next step.

#### Step 2:

(**Recycled Post Only**) With two people, situate the instrument onto the posts. Predrill 1/8" pilot holes into the posts through the existing holes on the instrument holster. Fasten the instrument to the posts with the provided 1-1/4" tamper-resistant screws and security driver.

(Steel Post Only) With two people, situate the instrument onto the posts. Predrill 11/64" pilot holes into the posts through the existing holes on the instrument holster. Next tap the holes with the provided 10-24 Tap, the Tap may be used with a cordless drill. Last fasten the instrument to the posts with the provided 1" amper-resistant screws and security driver.

**Step 3:** Locate the (4) predrilled holes on the front of the Instrument at the center of each Holster. With a 3/16" extended drill bit, predrill through the existing holes into the Posts 4" deep. Install the T25 Torx, 4" lg. Screws from the front of the Instrument into the posts.



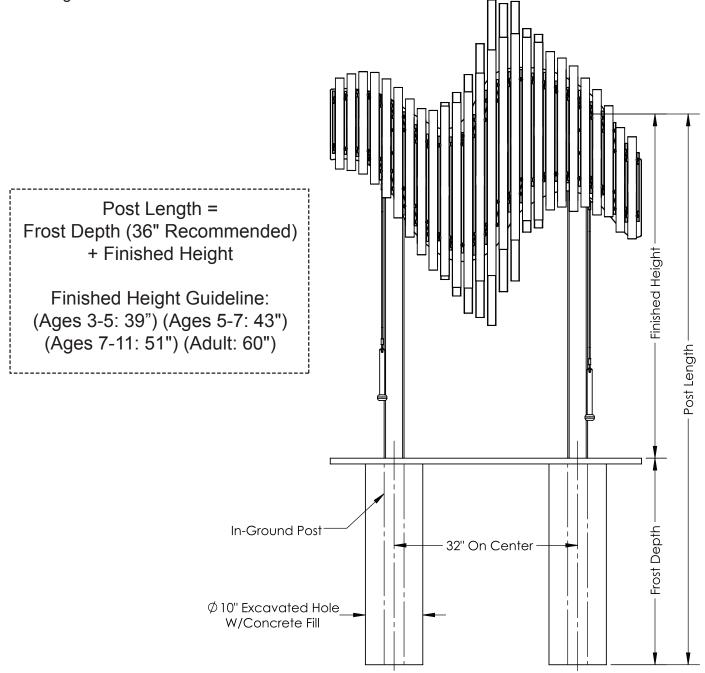
# **RECYCLED AND STEEL POST IN-GROUND MOUNT INSTALLATION PROCEDURES**

**Step 1:** Excavate two 10" diameter holes, 36" deep, and 32" on center at the installation location. Contractor can modify post to desired height.

Step 2: Lower the posts into the excavated holes.

**Step 3:** Verify the correct placement, levelness, plumbness, and finished height of the instrument. Also check for sufficient clearance around the instrument. A 36" radius is recommended around the instrument for wheelchair accessibility, however this is not required for instrument function. Instrument may be installed next to a wall or in a variety of different configurations.

**Step 4:** Last pour concrete around the posts. It is recommended to brace the instrument to hold it rigid while the concrete cures. Leave to set according to the concrete manufacturers guidelines. Approximately (4) 80lb. bags will be needed.





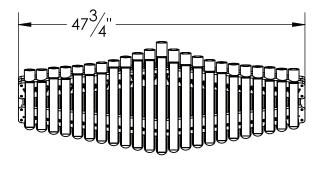
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Model # FHP-008

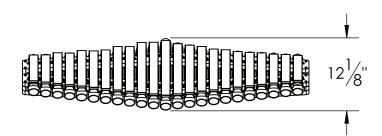
**Instruction Sheet** 

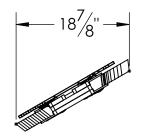
# PEGASUS METALLOPHONE LEFT HAND: A MINOR / RIGHT HAND: C MAJOR PENTATONIC





<u>Features:</u> HDPE Frame Anodized Aluminum Bars & Resonators Stainless Steel Hardware





	MOUNTING OP         Recycled Plastic Post: In-Ground         Parts:         Instrument Assembly (1)         Recycled Post In-Ground (2)         1-1/4" Tamper-Resistant Screw (10)         Security Driver (1)         Dual Drive #2 Screw (8)	
All Marganese	Holster (2)	
	Steel Post: In-Ground Mount Parts: Instrument Assembly (1) Steel Post In-Ground (2) 1" Tamper-Resistant Screw (10) 10-24 Tap (1) 11/64" Drill Bit (1)	Weights: Boxed Instrument Weight: 60 lbs. Boxed Post Weight: 72 lbs. Security Driver (1) Dual Drive #2 Screw (8) Holster (2)
	Recycled Plastic Post: Surface         Parts:         Instrument Assembly (1)         Recycled Post Surface Mount (2)         1-1/4" Tamper-Resistant Screw (10)         Security Driver (1)         3/8" dia. x 5" Anchor Bolt (8)	MountWeights:Boxed Instrument Weight: 60 lbs.Boxed Post Weight: 35 lbs.Plastic Anchor Cap (8)Dual Drive #2 Screw (8)Holster (2)
	Steel Post: Surface Mount Parts: Instrument Assembly (1) Steel Post Surface Mount (2) I'' Tamper-Resistant Screw (10) I 0-24 Tap (1) I 11/64" Drill Bit (1) Security Driver (1)	Weights:Boxed Instrument Weight: 60 lbs.Boxed Post Weight: 40 lbs.3/8" dia. x 3-3/4" Anchor Bolt (8)Plastic Anchor Cap (8)Dual Drive #2 Screw (8)Holster (2)
	Recycled Plastic Post: Portable         Parts:         Instrument Assembly (1)         Recycled Post Portable (2)         1 1 (4)	<u>Weights:</u> Boxed Instrument Weight: 60 lbs. Boxed Post Weight: 45 lbs.
	<ul> <li>1-1/4" Tamper-Resistant Screw (10)</li> <li>Security Driver (1)</li> <li>3/8" dia. x 12" Stake (4)</li> </ul>	□ Dual Drive #2 Screw (8) □ Holster (2)

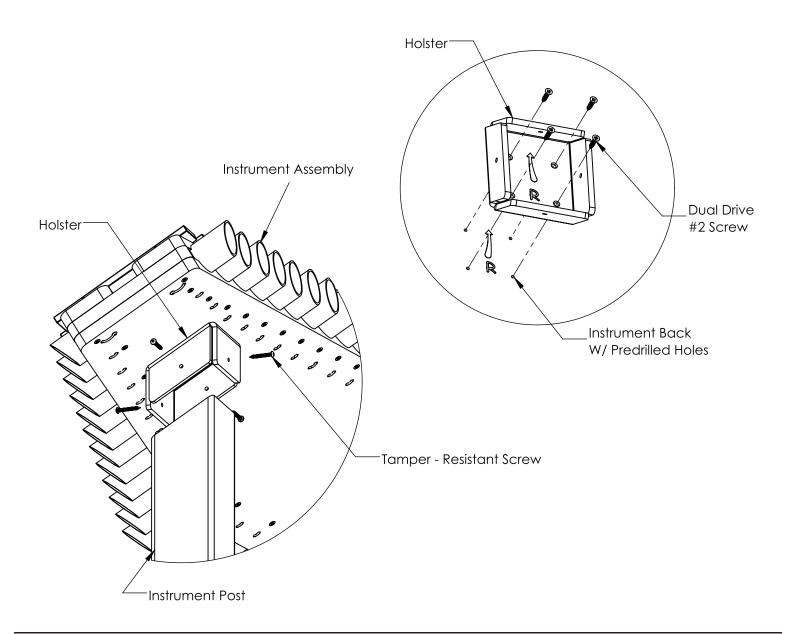
# HOLSTER AND INSTRUMENT TO POST INSTALLATION PROCEDURES

**Step 1:** Align Holsters to the instrument back with the corresponding arrows and letters. Fasten Holster to back with the provided dual drive screws. Backs are predrilled. Screw heads should be flush with the Holster surface when properly installed. Holster must also be flush along the back. An extended square drive or Phillips will be needed. Drive screws in slowly to prevent stripping.

#### Step 2:

(**Recycled Post Only**) With two people, situate the instrument onto the posts. Predrill 1/8" pilot holes into the posts through the existing holes on the instrument holster. Fasten the instrument to the posts with the provided 1-1/4" tamper-resistant screws and security driver.

**(Steel Post Only)** With two people, situate the instrument onto the posts. Predrill 11/64" pilot holes into the posts through the existing holes on the instrument holster. Next tap the holes with the provided 10-24 Tap, the Tap may be used with a cordless drill. Last fasten the instrument to the posts with the provided 1" tamper-resistant screws and security driver.



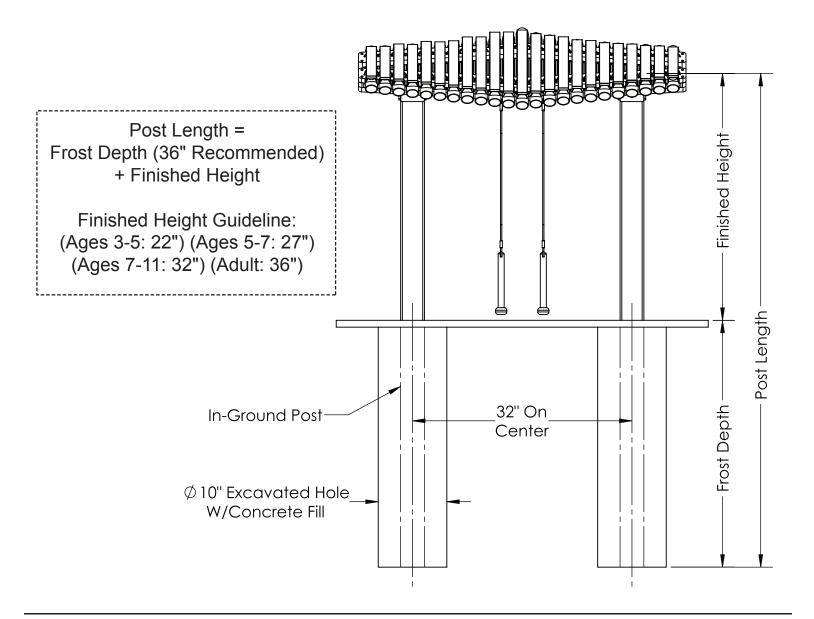
# **RECYCLED AND STEEL POST IN-GROUND MOUNT INSTALLATION PROCEDURES**

**Step 1:** Excavate two 10" diameter holes, 36" deep, and 32" on center at the installation location. Contractor can modify post to desired height.

Step 2: Lower the posts into the excavated holes.

**Step 3:** Verify the correct placement, levelness, plumbness, and finished height of the instrument. Also check for sufficient clearance around the instrument. A 36" radius is recommended around the instrument for wheelchair accessibility, however this is not required for instrument function. Instrument may be installed next to a wall or in a variety of different configurations.

**Step 4:** Last pour concrete around the posts. It is recommended to brace the instrument to hold it rigid while the concrete cures. Leave to set according to the concrete manufacturers guidelines. Approximately (4) 80lb. bags will be needed.



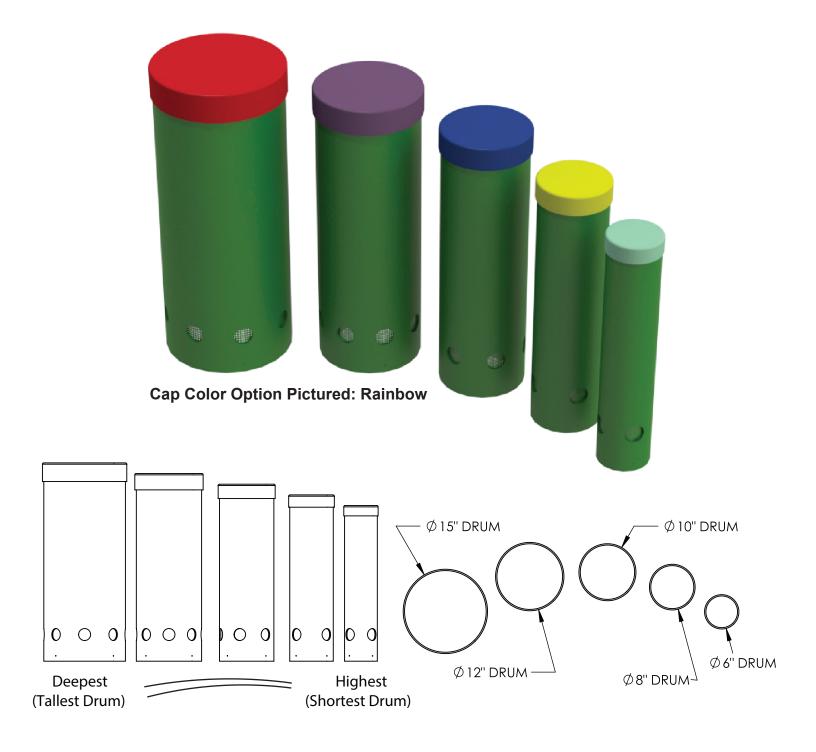


Model # FHP-010

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# **Instruction Sheet**

# **TUNED DRUMS**





**Surface Mount** 

 $\Box$  15" dia. Tuned Drum (1)  $\Box$  12" dia. Tuned Drum (1)  $\Box$  10" dia. Tuned Drum (1)  $\square$  8" dia. Tuned Drum (1)  $\Box$  6" dia. Tuned Drum (1)

Boxed Instrument Weight Adult: 110 lbs. Boxed Instrument Weight Toddler: 90 lbs.

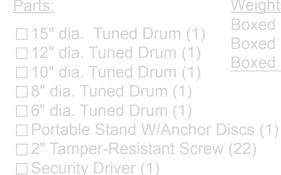
**Cap Color Option Pictured: Moss** 

<u>III-Ground Mount</u>	
Parts:	Weights:
<ul> <li>15" dia. Tuned Drum (1)</li> <li>12" dia. Tuned Drum (1)</li> <li>10" dia. Tuned Drum (1)</li> <li>8" dia. Tuned Drum (1)</li> <li>6" dia. Tuned Drum (1)</li> <li>Anchor Discs (5)</li> <li>1/4" dia. x 3-1/4" Anchor Bo</li> <li>2" Tamper-Resistant Screw</li> <li>Security Driver (1)</li> </ul>	
	<ul> <li>☐ 15" dia. Tuned Drum (1)</li> <li>☐ 12" dia. Tuned Drum (1)</li> <li>☐ 10" dia. Tuned Drum (1)</li> <li>☐ 8" dia. Tuned Drum (1)</li> <li>☐ 6" dia. Tuned Drum (1)</li> <li>☐ Anchor Discs (5)</li> <li>☐ 1/4" dia. x 3-1/4" Anchor Bo</li> <li>☐ 2" Tamper-Resistant Screw</li> </ul>

### **Cap Color Option Pictured: Taupe**



**Portable Mount** 



Boxed Instrument Weight Adult: 85 lbs. Boxed Instrument Weight Toddler: 65 lbs. Boxed Portable Stand Weight: 42 lbs.

**Cap Color Option Pictured: Natural** 

# **IN-GROUND MOUNT INSTALLATION PROCEDURES**

**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. <u>WARNING: Between 3" and 9" there</u> <u>lies a chance for a child's head to get stuck.</u> (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. Steel reinforcing and frost depth piers may need to be added to ensure stability of the installation.

**Step 3:** Excavate trench (and any added piers) 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 concrete manufacturer'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.

