

CONTENTS

Sheet 1: Basic Information

Sheet 2: Scale Guide

Sheet 3: Bill of Materials

Sheet 4: Assembly to Post

Sheet 5: In Ground Installation

Sheet 6: Surface Mount Installation

Sheet 7: Portable Mount

INSTRUMENT INFO

Notes: 2 Pitches Varying by Color

Wings: Anodized Aluminum

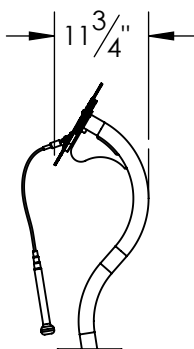
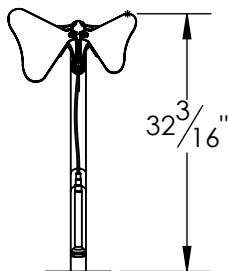
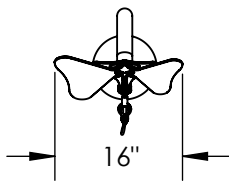
Frame: HDPE

Post: Powder Coated Steel

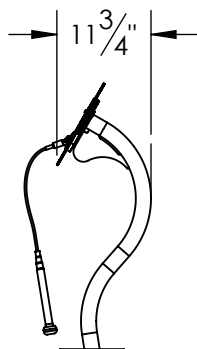
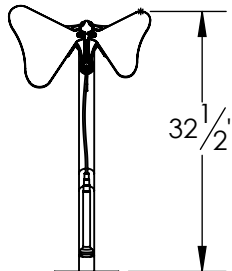
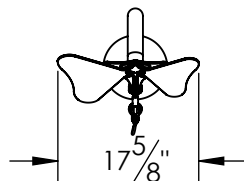
Mallet: Standard Head 80 Durometer; 16" Cable



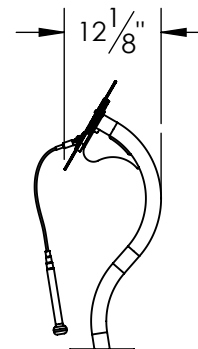
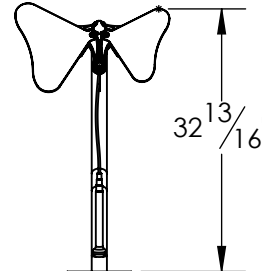
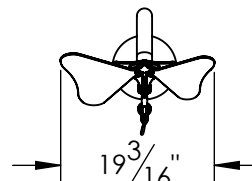
Yellow



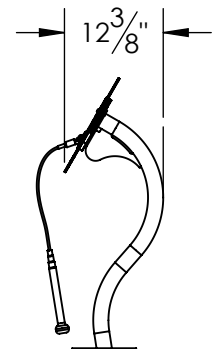
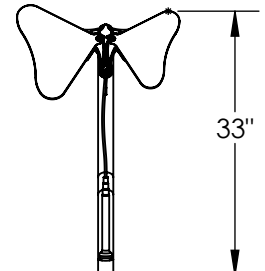
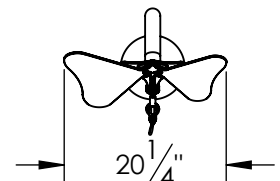
Turquoise



Orange

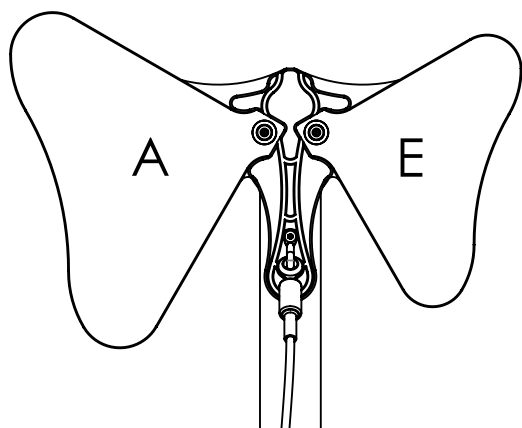


Indigo

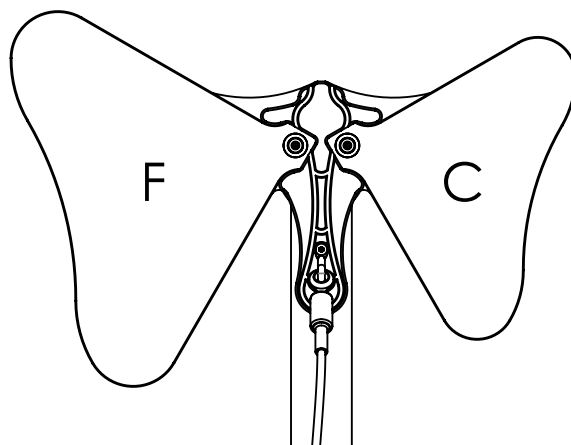


Butterflies come in 4 different wing colors, each having a distinct pair of notes designed to harmonize both as a duo as well as together with other instruments in any combination

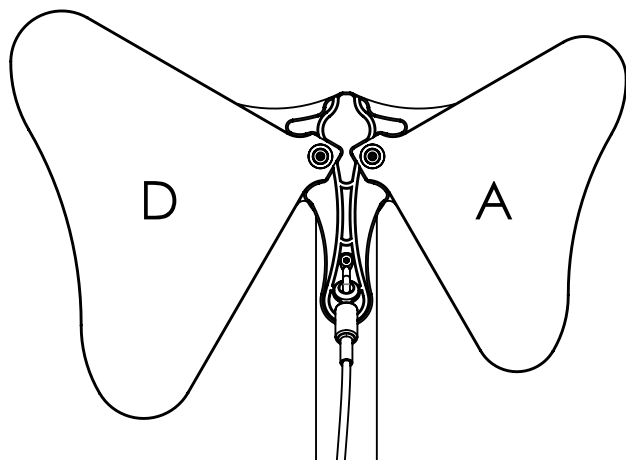
Yellow



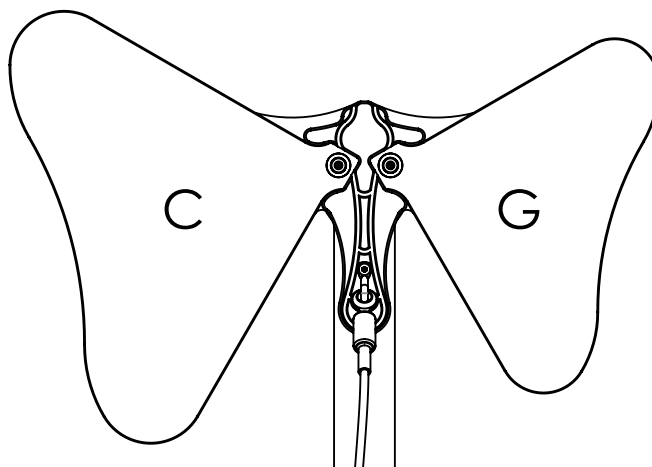
Turquoise



Orange



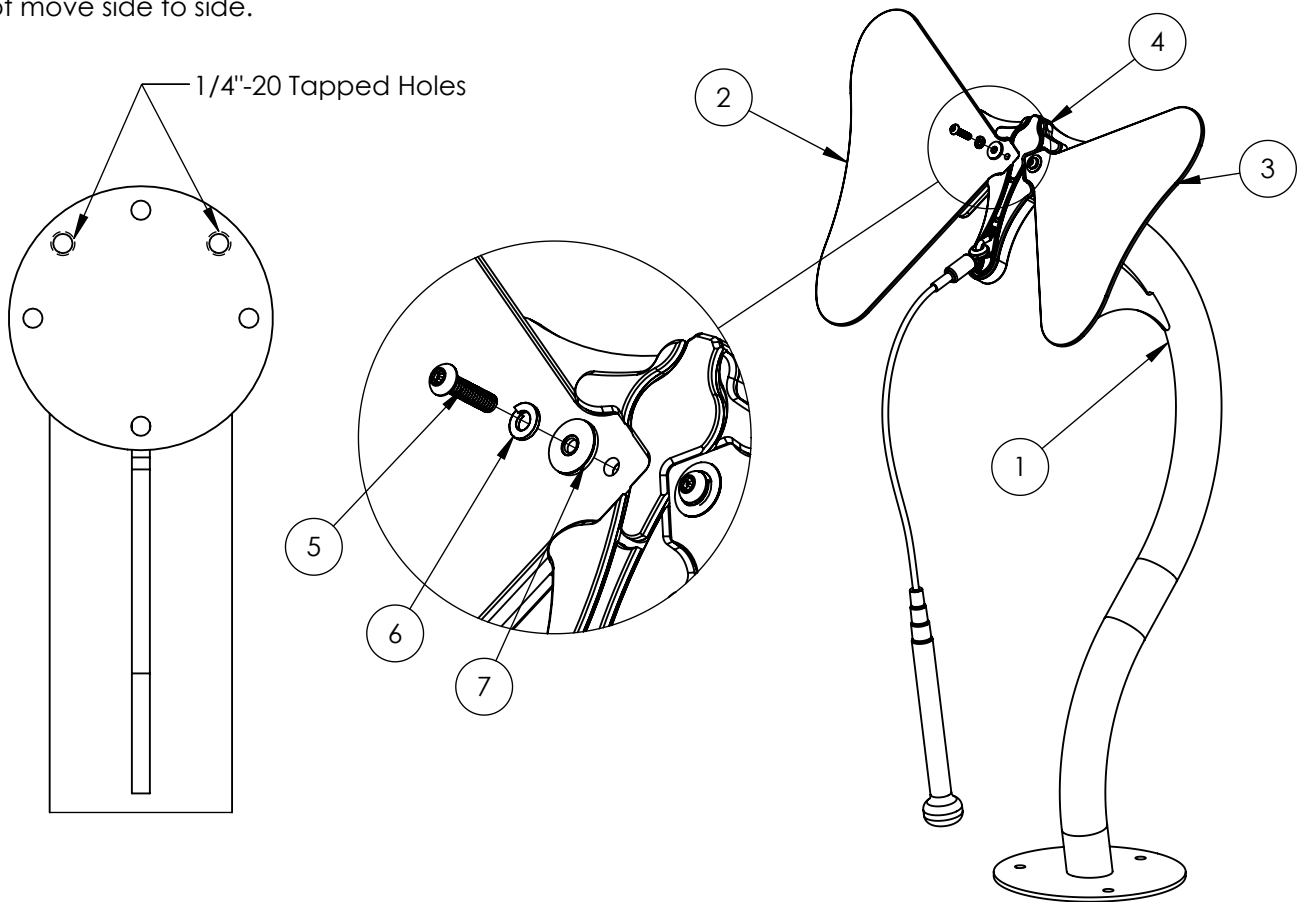
Indigo



Individual Butterflies vary by wing color and size, however, installation is identical. The following is hardware common to all mounting schemes.

PART NUMBER	DESCRIPTION	INDIGO	ORANGE	TURQUOISE	YELLOW
BFLY-WING-1	Butterfly - Aluminum Wing 1 (Indigo) C	1	-	-	-
BFLY-WING-4	Butterfly - Aluminum Wing 4 (Indigo) G	1	-	-	-
BFLY-WING-2	Butterfly - Aluminum Wing 2 (Orange) D	-	1	-	-
BFLY-WING-6	Butterfly - Aluminum Wing 6 (Orange) A	-	1	-	-
25C100MBTS	1/4"-20 Button Head Screw, 1"lg. SS,T27 tamp	2	2	2	2
HWWR0193	0.4879" OD 0.26" ID SS SPLIT LOCK WASHER	2	2	2	2
94709A416	18-8 Stainless Steel with Neoprene Rubber Sealing Washer	2	2	2	2
BFLY-WING-3	Butterfly - Aluminum Wing 3 (Turquoise) F	-	-	1	-
BFLY-WING-7	Butterfly - Aluminum Wing 7 (Turquoise) C	-	-	1	-
BFLY-WING-5	Butterfly - Aluminum Wing 5 (Yellow) A	-	-	-	1
BFLY-WING-8	Butterfly - Aluminum Wing 8 (Yellow) E	-	-	-	1
FWR_BFLY-POST-T-FP	Flower and Butterfly - Toddler Steel Post (Powder-coated)	1	1	1	1
BFLY-THORAX	Butterfly - HDPE Thorax (3/4" Black/White)	1	1	1	1
12263B	T27 Tamper Resistant Torx Driver	1	1	1	1
209728-12	Loctite Blue 242 Threadlocker	1	1	1	1

- Step 1:** Apply two drops of Loctite the ends of (2) 1/4" x 1" lg. Button Head Screws. Stack each screw with (1) 1/4" Split Lock Washer followed by (1) 1/4" Sealing Washer with the Neoprene side facing the threaded end.
- Step 2:** Align the holes in the Wing Plates and Thorax. Insert the Screws with Washers through the Wing Plate and Thorax. With the T27 Driver, fasten the Wing Plate and Thorax to the Post by driving the 1/4"-20 Button Head Screws into the upper right and upper left threaded holes on the Post. Drive slowly to prevent stripping the screw or threaded holes.
- Step 3:** After both Screws have been threaded, go back and tighten them down until the wings are firmly in place and cannot move side to side.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FWR_BFLY-POST-T-FP	Flower and Butterfly - Toddler Steel Post (Powder-coated)	1
2	BFLY-WING	Butterfly - Aluminum Wing	1
3	BFLY-WING	Butterfly - Aluminum Wing	1
4	BFLY-THORAX	Butterfly - HDPE Thorax (3/4" Black/White)	1
5	25C100MBTS	1/4"-20 Button Head Screw, 1"lg. SS,T27 tamp	2
6	HWWR0193	0.4879" OD 0.26" ID SS SPLIT LOCK WASHER	2
7	94709A416	18-8 Stainless Steel with Neoprene Rubber Sealing Washer	2
8	12263B	T27 Tamper Resistant Torx Driver	1
9	209728-12	Loctite Blue 242 Threadlocker	1

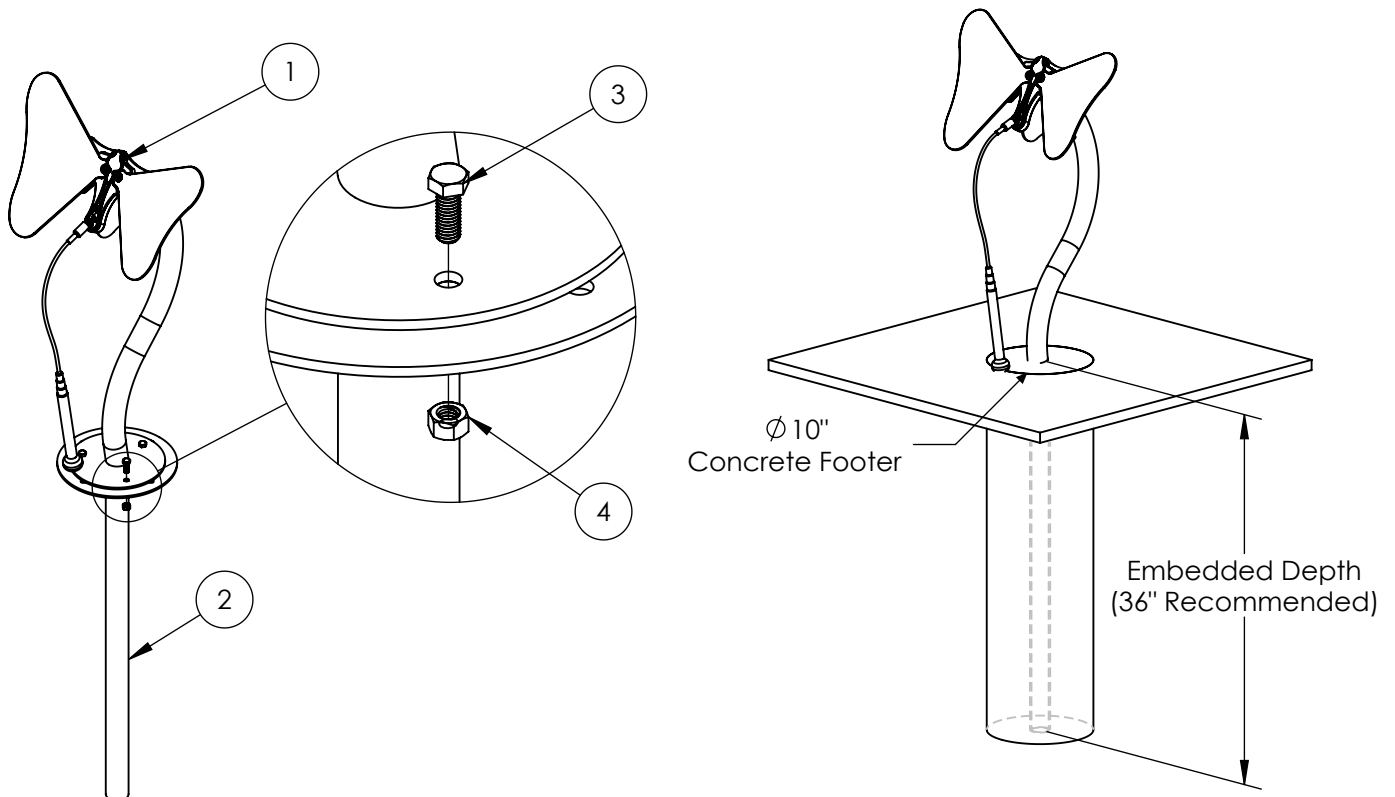
Step 1: Determine the desired installation location. Check for sufficient clearance around the instrument. A 36" perimeter from the edges of the instrument is recommended for wheelchair accessibility. **The smaller wings of the Yellow and Turquoise Butterflies fail to comply with ASTM F1487 and as such, these instruments are recommended for installation in a separate sound garden environment away from traditional playground equipment.**

Step 2: Apply a couple of drops of Loctite to the end of the threads on the (3) 3/8"-16 Hex Head Screws. Attach the Instrument Pre-Assembly to the In Ground Post Extension by aligning the holes on each component and fastening them together with the (3) 3/8" Hex Head Screws and the (3) 3/8"-16 Hex Nuts.

Step 3: Excavate one 10" diameter hole, at least 36" deep, at the installation location. The depth of the hole or length of the In Ground Post Extension can be modified to achieve a shorter finished height if desired. Be sure to account for surfacing thickness if it is to be used.

For installations of the Orange and Indigo Butterflies targeting compliance with ASTM F1487: Note that baseplate mounting hardware must be covered by surfacing and finished mount attachment height must not exceed 27" in order to maintain ASTM compliance.

Step 4: With two people, lower Instrument with Post Extension attached into the excavated hole. Verify correct orientation and levelness of the Instrument. Pour concrete around the Post Extension. If necessary, brace the Instrument to hold it rigid while the concrete cures. Leave to set according to the concrete manufacturers guidelines. Approximately (3) 80lb. bags will be needed.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BFLY-BOM-T	Pre-Assembly - Toddler Indigo Butterfly Instrument	1
2	POST-STL-IG-EXT-FP	In Ground Steel Post Extension (Powder-coated)	1
3	92240A624	3/8"-16 Hex Head Screw, 1"lg. SS	3
4	HWN0095	3/8"-16 Hex Nut, SS	3

Step 1: Determine the desired installation location. Check for sufficient clearance around the instrument. A 36" perimeter from the edges of the instrument is recommended for wheelchair accessibility. **The smaller wings of the Yellow and Turquoise Butterflies fail to comply with ASTM F1487 and as such, these instruments are recommended for installation in a separate sound garden environment away from traditional playground equipment.** A concrete pad measuring a minimum of 24" x 24" x 6" thick is required. If a new pad is being poured, approximately (4) 80lb. bags will be needed. Allow concrete to cure per manufacturer's guidelines before continuing installation.

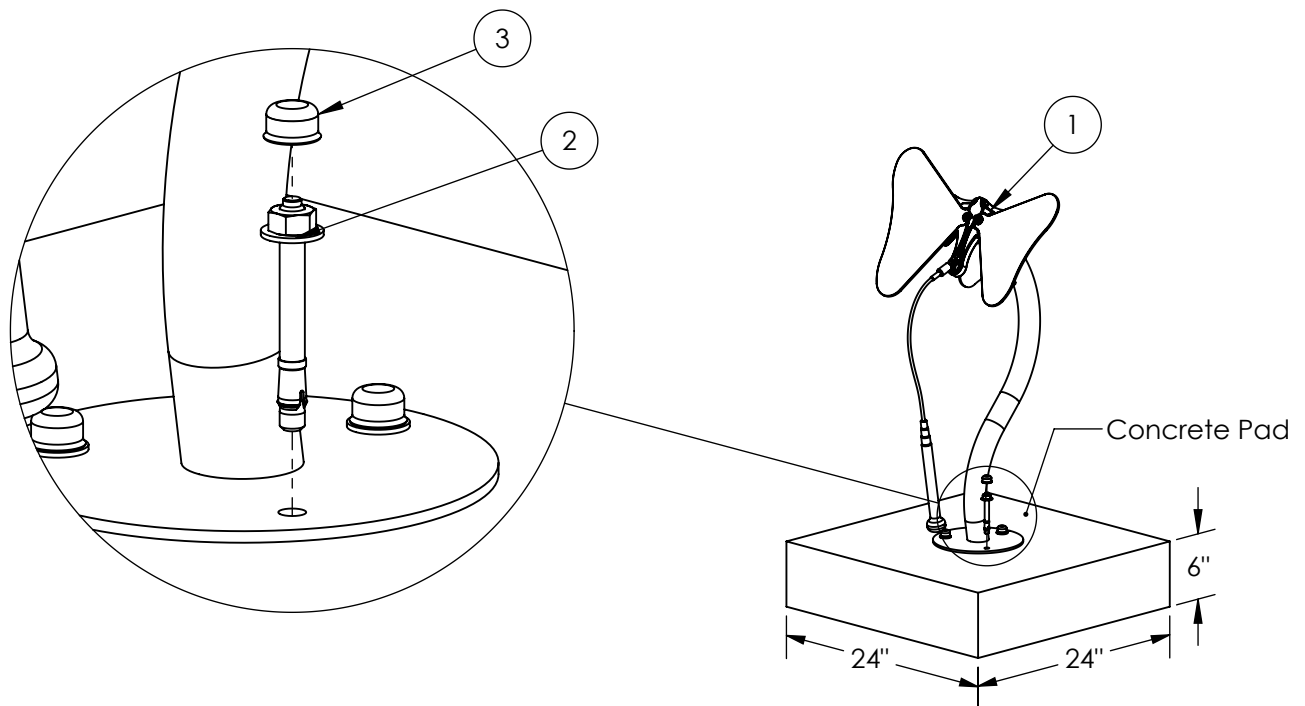
Heights listed are standard finished height for the Surface Mounted Butterflies. If desired, shorter heights can be achieved by recessing the concrete pad below the finished surfacing. Be sure to account for surfacing thickness if it is to be used.

For installations of Orange and Indigo Butterflies targeting compliance with ASTM F1487: Note that baseplate mounting hardware must be covered by surfacing and finished mallet height must not exceed 27" in order to maintain ASTM compliance.

Step 2: With two people, place the Instrument Assembly onto the concrete pad and mark the center of the holes on the surface mount base. After you have made your marks, set aside the Instrument in order to drill for anchor holes. With a hammer or rotary drill, drill through the concrete at marked locations. Drill to a minimum depth of 4". A 3/8" masonry drill bit will be needed.

Step 3: Align the Instrument over the drilled holes. Insert provided anchor bolts and position anchor nut so that it is flush with the top of the bolt. Pound the anchor bolts into the hole until the anchor washer is flush with the surface mount base. Tighten anchor bolts until they are snug. Cover remaining bolt sections with provided nut caps.

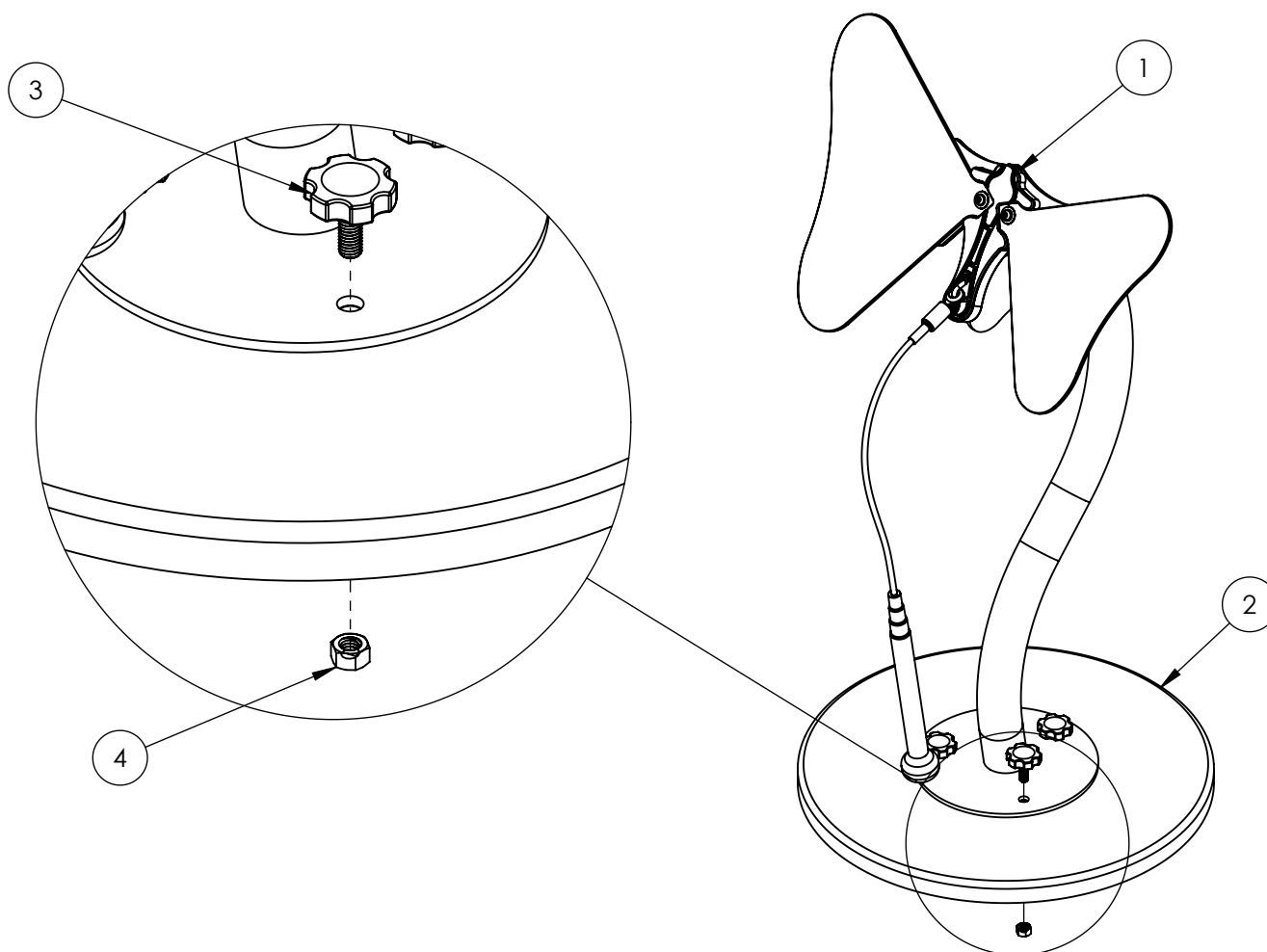
If installing onto wet concrete, follow the wet set anchor manufacturer's guidelines for installation.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BFLY-BOM-T	Pre-Assembly - Toddler Butterfly Instrument	1
2	POW 07315	3/8"-16 Wedge Expansion Anchor, 3.75"lg. SS	3
3	9267K43	35/64" Hex Nut Cap	3

Step 1: Situate the Instrument Pre-Assembly onto the Portable Stand and align the holes in the baseplate.

Step 2: Secure the Instrument to the Portable Stand with the provided 3/8"-16 Thumb Screws, tightening until snug. The 3/8"-16 Hex Nuts come pressed into the Portable Stand from the Factory.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BFLY-BOM-T	Pre-Assembly - Toddler Butterfly Instrument	1
2	FWR_BFLY-PM-PS	Flower and Butterfly - HDPE Portable Stand (1" Black)	1
3	91185A867	3/8"-16 Thumb Screw, 1"lg. SS	3
4	HWN0095	3/8"-16 Hex Nut, SS	3