

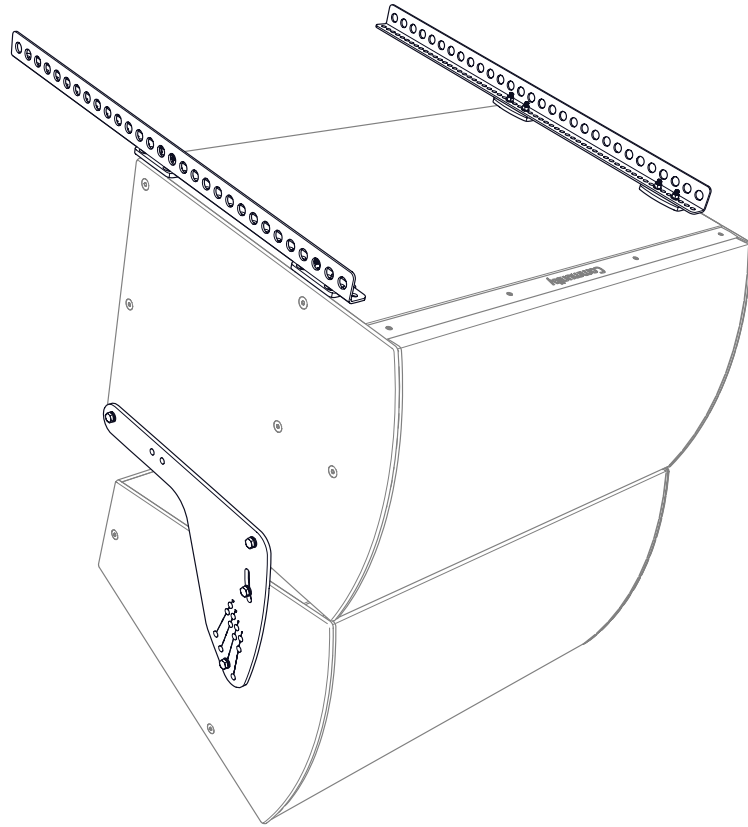


I SERIES

BalancePoint™ Flyware

For Point Source and
Subwoofer loudspeakers
models IP8, IP6, IS8, and IS6

VAB-BFR38



Vertical Array Brackets with BalancePoint™ Fly Rails

The BalancePoint™ Flyware Accessory Guide (a complete set of instructions for all of the BalancePoint™ Flyware Kits) is available on the Community website.

Community Professional Loudspeakers
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CAUTION: Installation of loudspeakers should only be performed by trained and qualified personnel. It is strongly recommended that a licensed and certified professional structural engineer approve the mounting design.

IMPORTANT SAFETY INSTRUCTIONS

Always follow these basic safety precautions when using or installing I SERIES loudspeakers and accessories:

- Read these instructions prior to assembly.
- Keep these instructions for reference.
- Heed all warnings.
- Follow all instructions, particularly those pertaining to rigging, mounting, hanging and electrical connections.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instruction.
- Do not install near any heat sources such as radiators, heat registers, stoves, light fixtures, or other apparatus (including amplifiers) that produce heat.
- Only use attachments and accessories that are specified and approved by the manufacturer.

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

The terms CAUTION, WARNING, and DANGER may be used in this manual to alert the reader to important safety considerations. If you have any questions or do not understand the meaning of these terms, do not proceed with installation. Contact your local dealer, distributor, or call Community directly for assistance. These terms are defined as:



CAUTION: describes an operating condition or user action that may expose the equipment or user to potential damage or danger.



WARNING: describes an operating condition or user action that will likely cause damage to the equipment or injury to the user or to others in the vicinity.



DANGER: describes an operating condition or user action that will immediately damage the equipment and/or be extremely dangerous or life threatening to the user or to others in the vicinity.

These installation instructions are for use by qualified personnel only. To reduce the risk of fire or electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

UNPACKING / INSPECTION

Community I SERIES loudspeakers are engineered and manufactured to be rugged and they are carefully packed in sturdy cartons. However, it is recommended to thoroughly inspect each unit after it has been removed from the packaging, as damage could occur during shipping.

Please note that once the shipment has left your dealer or the Community factory, the responsibility for damage is always borne by the freight company. If damage has occurred during shipping, you must file a claim directly with the freight company. It's very important to contact the freight company as soon as possible after receiving your shipment, as most freight companies have a short time limit within which they will investigate claims. Make sure to save the carton and the packing material, as most claims will be denied if these materials are not retained. Your Community dealer and the factory will try to help in any way they can, but it is the responsibility of the party receiving the shipment to file the damage claim.

It is always a good idea to retain the carton and packing materials, if possible, in the event that the unit may need to be returned to your dealer or distributor for repair in the future.



CAUTION: Installation of I SERIES loudspeakers should only be performed by trained and qualified personnel. It is strongly recommended that a licensed and certified professional structural engineer approve the mounting. Severe injury and/or loss of life may occur if this product is improperly installed.

RIGGING SAFETY / IMPORTANT NOTES

There are three primary areas of responsibility for rigging loudspeakers. The first is the building structure. Always consult with the building architect or structural engineer to assure the ability of the structure to support the loudspeaker system. The second area of responsibility is the loudspeaker itself. Community certifies its loudspeaker systems and rigging accessories for suspension when they are properly installed according to our published guidelines. The third area of responsibility is everything between the loudspeaker and the building structure and the actual process of installation. The installing contractor assumes this responsibility. Loudspeaker rigging should be performed only by certified rigging professionals using certified rigging hardware chosen for the specific application. Prior to installation, the contractor should present a rigging plan, with drawing and detailed parts list, to a licensed structural engineer (P.E.) or architect for written approval.



IMPORTANT: I SERIES loudspeakers are designed and intended to be mounted to differing building surfaces using a variety of rigging hardware, means and methods. Installation of loudspeakers should only be performed by trained and qualified personnel. All electrical connections must conform to applicable city, county, state, and national (NEC) electrical codes.



DANGER: All rigging fittings must be fully tightened and secured. Any missing fasteners or parts will compromise the structural integrity of the enclosure and constitute a safety hazard. Over-tightening (crushing the wood) should be avoided as well. Do not suspend the loudspeaker unless all fasteners are securely in place!



IMPORTANT: The flat head bolts that come installed in each enclosure must remain in place or be replaced by a threaded fastener from an array bracket. The bolts attach to internal metal brackets that are critical to the structural integrity and rated Safe Working Load (SWL) of each point and each array assembly. Failure to include a fastener in every location could lead to serious injury, or even death.



DANGER: I SERIES rigging fittings are rated at a Working Load Limit (WLL) of 150 lbs (68 kg) with a 10:1 safety margin. No single rigging fitting should ever be subjected to a load that is greater than this stated limit. Failure to heed this warning could result in injury or death!

VERTICAL ARRAYS

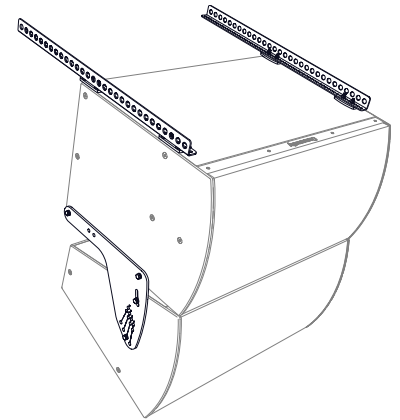
VAB-BFR38 - Vertical Array Brackets with BalancePoint™ Fly Rails

APPLICATION: Suspend and vertically array a subwoofer above a matching size 2-way/3-way loudspeaker (landscape orientation of the loudspeakers) with BalancePoint™ Fly Rails.

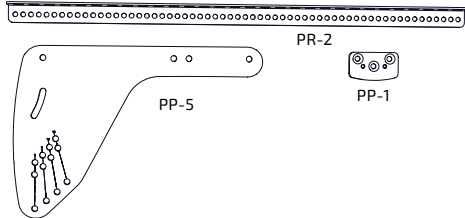
ASSEMBLY:

The array can be assembled from the top down by attaching the brackets and rails to subwoofer, suspending it and then adding the lower cabinet, or (for smaller models) the full unit can be assembled on the floor (on a protected surface) and then lifted/flown.

Easiest order of assembly. Attach the array plate to the full-range cabinet, leaving connections loose, and then lift the lower cabinet to the subwoofer and attach. Fly Rail fasteners must all be fully tightened before suspending the subwoofer. Hex bolts connecting the array bracket to the full-range cabinet should be left slightly loose until aiming angle is set, then fully tightened.



Parts:



- PR-2: 38" BalancePoint™ Fly Rails (2)
- PP-1: Universal Mounting Plates (4)
- PP-5: Array Plates (2)

Hardware:

| Qty | Code | Description |
|-----|-------|--------------------------|
| 8 | HF8-3 | 8 x 30 mm Flat Hd Bolts |
| 8 | HN8 | M8 Locknuts |
| 8 | HW8 | 8mm Flat Washers |
| 8 | HH1-4 | 10 x 40 mm Hex Hd Bolts |
| 4 | HF1-3 | 10 x 35 mm Flat Hd Bolts |
| 8 | HW1 | 10 mm Flat Washers |
| 8 | HL1 | 10 mm Lock Washers |

The 8mm flat head hardware listed above may be included in plate preassemblies.

Kit Weight: 36.0 lb (16.3 kg)

Models that can be paired:

- IP6/IP6 1122 with IS6/IS8 212
- IP8 1153 with IS6/IS8 215 or IS6/IS8 218

NOTE: The IP6/8-1152 currently is without a matched-width subwoofer.

Another full-range cabinet can be added by using the applicable HVS or HVS3 extension kit, or another subwoofer can be added by utilizing a Tight Pack kit to connect the subwoofers.

1

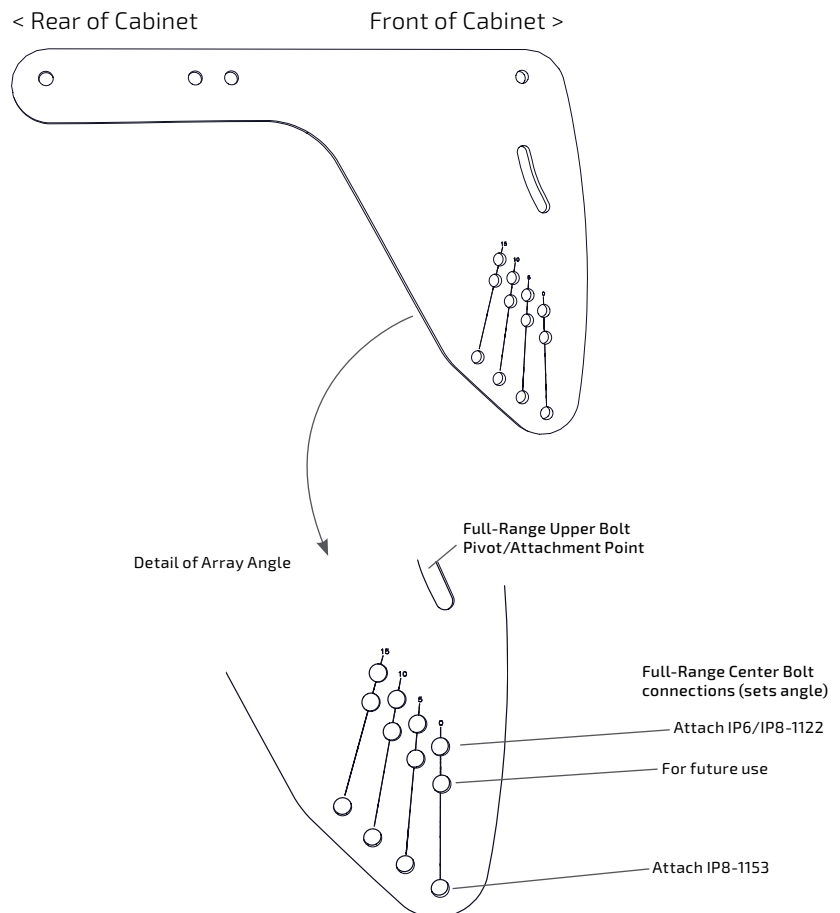


Figure 1. Vertical array plate - orientation and attachment details

VERTICAL ARRAYS

VAB-BFR38 (continued)

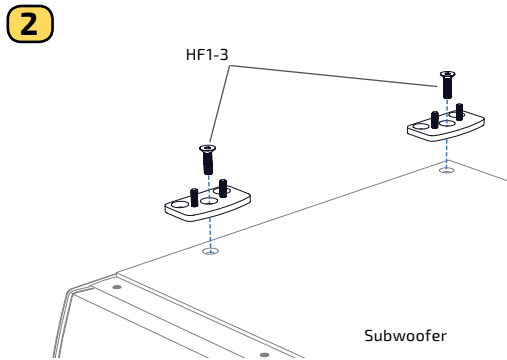


Figure 2. Attach 2 plates to each side, and fully tighten (oriented with flat sides toward the outside edges of the subwoofer)

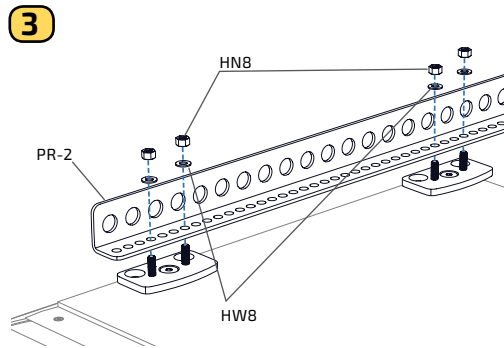


Figure 3. Attach a rail to each side
Do not extend rails over or beyond the Community sidebar (front of subwoofer)

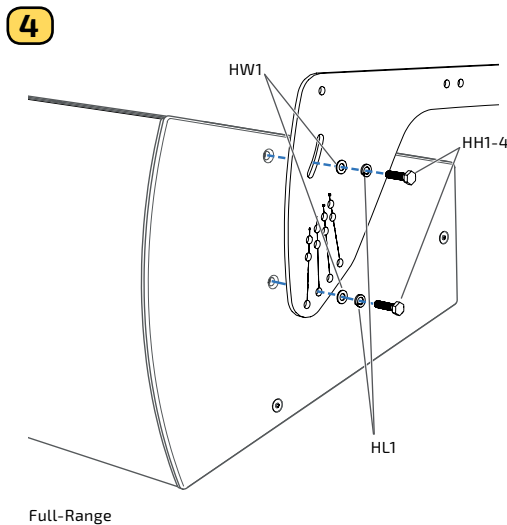


Figure 4. Attach bracket to full-range cabinet and leave bolts loose

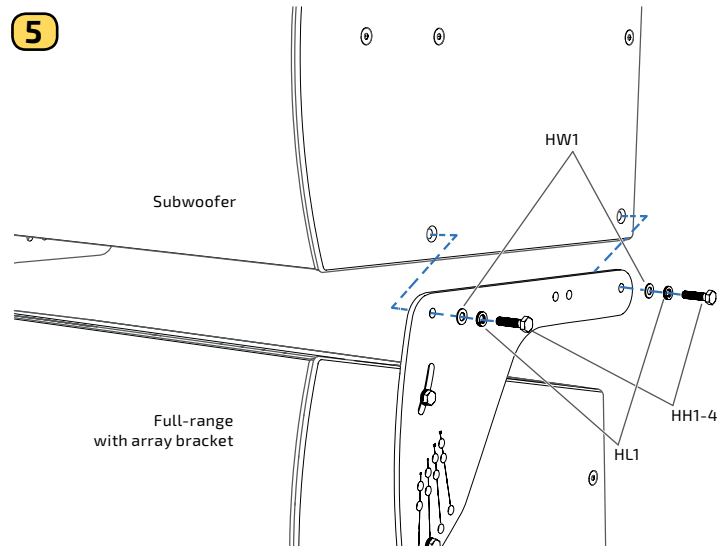


Figure 5. Attach subwoofer to the array bracket

Note: If lifting the Full-range cabinet up to the Sub, temporarily set the angle to 0° to make sub connection easier, then move bolt to desired angle setting.



Figure 6.
Fully tighten all connections

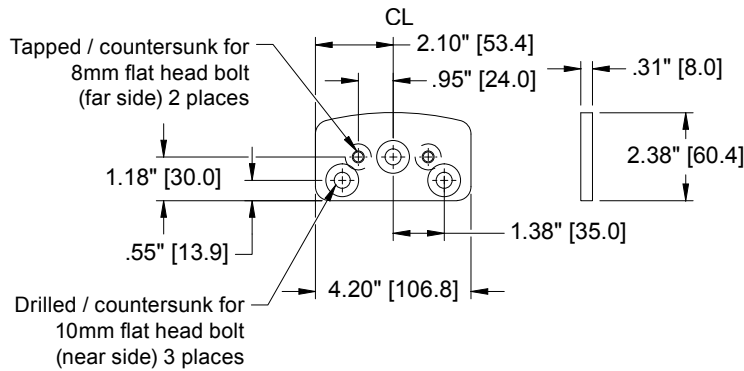
SUSPENSION TIPS

If no motorized lift point is available: 1) Move first subwoofer with the rails into its permanent position and add temporary cables to move the subwoofer into a level (parallel to lift surface) position; 2) Lift any additional subwoofers one at a time and fasten to the sub above; 3) Add the full-range cabinet with the array plate attached/loose (and rotational brackets), and connect to the sub above; 4) Set the angle on the full-range and tighten bolts; 5) Lift and add additional full-range cabinets. Any rotational (hinge) brackets should have corner brackets attached and ride with the upper cabinets for easier connectivity.

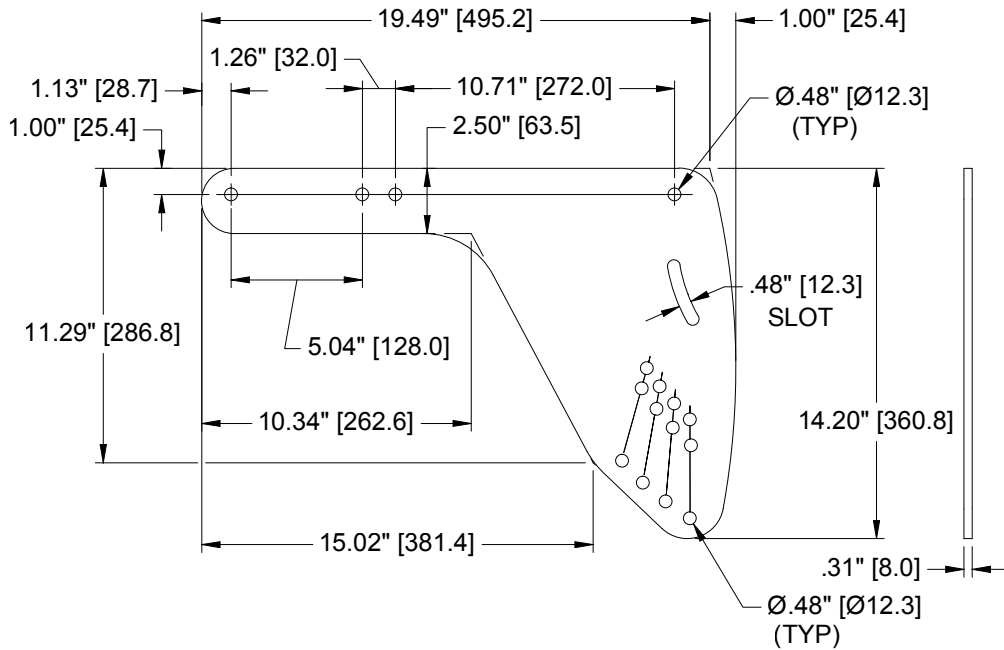
If motorized lift points are available: Assemble from the top down and tighten bolt connections as you move down the stack.

TECHNICAL DRAWINGS

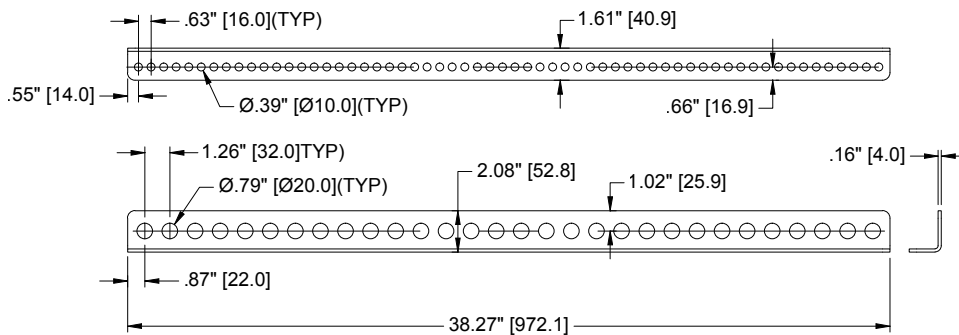
UNIVERSAL MOUNTING PLATE [PP-1]



VERTICAL ARRAY PLATE [PP-3]



38" BALANCEPOINT™ FLY RAILS [PR-2]



HELPFUL INSTALLATION TIPS

- Assemble the horizontal arrays on the ground (or lifting surface) and then lift the entire assembly into place. Large vertical arrays should be assembled top down - lifting each component and attaching it in order. Smaller vertical arrays can be assembled on the ground and then flown.
- Many brackets and plates come preassembled with the 8mm flat head hardware installed. Some of the corner brackets have differing bolt patterns and we preinstall them in the most common configuration for that kit. Refer to the diagrams on install pages to confirm that the bolts are in the correct position for your cabinet size.
- Assemble the array with the differing models (horn/coverage patterns) in the correct configuration.
- If the cabinets are horizontal, keep the input panels all on the same side for wiring ease, whenever possible.
- To determine the approximate splay or array angles prior to installation, use simulation software such as EASE®. Document those values, and set the angles on the hinges and splay brackets as they are attached to the cabinets.
- When attaching corner brackets, thread both bolts in finger tight first, then continue to tighten equally with hex wrenches (helps avoid misalignment issues).
- Fully tighten the connections as each assembly is finished without crushing the wood fibers.
- The U-Brackets, Vertical Yokes and Isometric Frames have hole patterns compatible with third party manufacturers' adapter plates for 1-1/2" NPT rigid pole mounting systems (such as Chief CMA105 UL listed Ceiling mounting systems, with a SWL rating of 500 lbs [226.7 kg]). See manufacturer's website for details.
- Contact our Technical Assistance Group (TAG) for additional guidance by phone: (610) 876-3400 or email: tagteam@communitypro.com.

GENERAL ASSEMBLY INFORMATION

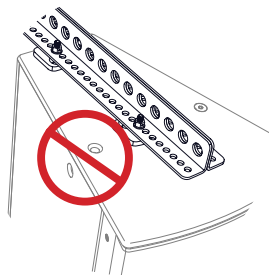
The BalancePoint™ Flyware kits for the I SERIES loudspeakers are modular and can be combined in a number of ways. The most common configuration of each kit is shown along with instructions for assembly.

Hardware and Parts: There is a key at the beginning of each instruction that shows the parts, their quantity and abbreviation. We also use a shortened code for the hardware that offers an easy reference to the type, diameter and approximate length.

ex: HW6 = Hardware Washer 6mm;

HF1-2 = Hardware, Flat head bolt, 10 x 25mm

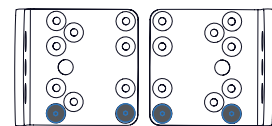
Several parts have underside countersunk holes that are threaded for 8mm flat head bolts. They should be fully seated (at or below the surface of the piece) before attaching the plate/bracket to the enclosure. Bolt placement diagrams are shown for the cabinet brackets that have multiple holes. Several of the brackets are shipped with the 8mm flat head bolts already installed in the most common configuration for that kit.



The loudspeaker enclosure must have fasteners in all threaded holes

TOOLS NEEDED FOR ASSEMBLY:

- Metric socket and ratchet set
- Metric wrench set
- Metric hex key set



Typical bolt placement diagram for 2-way Cabinet (angle) Bracket (PB-3)

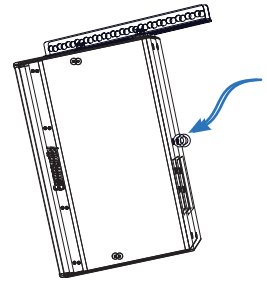


IMPORTANT: The flat head bolts that come installed in each enclosure must remain in place or be replaced by a threaded fastener from an array bracket. The bolts attach to internal metal brackets that are critical to the structural integrity and rated Safe Working Load (SWL) of each point and each array assembly. Failure to include a fastener in every location could lead to serious injury, or even death.

GENERAL ASSEMBLY INFORMATION (continued)

SAFETY CABLES

IMPORTANT: Attach a safety cable to one of the unused mounting points on the loudspeaker (and/or the bracket assembly). Safety cables must be secured to a suitable load-bearing point separate from the loudspeaker mounting point, with as little slack as possible, oriented to minimize dynamic swinging of the load, so as not to develop undue shock or kinetic force if the loudspeaker mount were to fail. Safety cables and hardware are not included. Please consult a structural engineer for the appropriate cables, hardware, and location(s) for the load and application.

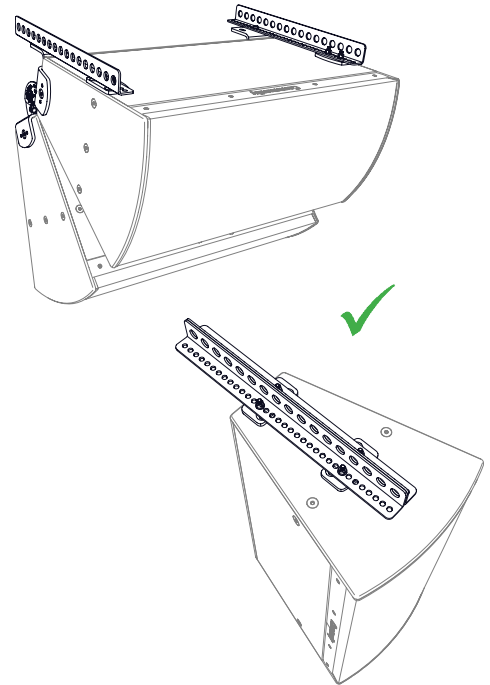


Typical placement for safety cable and hardware (eye bolt not included)

BALANCEPOINT™ FLY RAILS

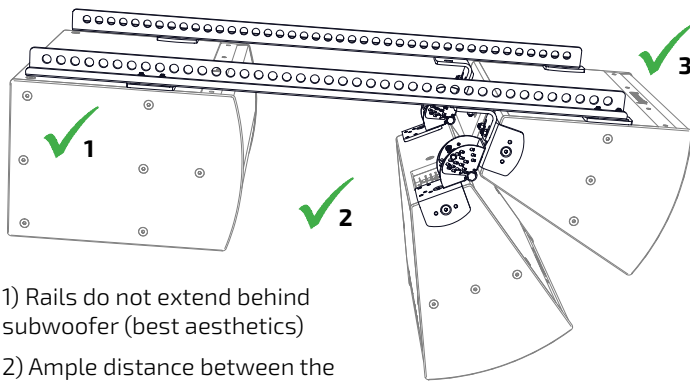
Positioning:

- The fly rails may be mounted in any position required as long as all attachment points are used.
- For the best aesthetics, the fly rails should not extend beyond the front edge of the front cabinet.
- The fly rails can extend beyond the back of the cabinet.
- The rails should be attached to the cabinets using all of the connections shown in the instructions for each assembly. This will ensure that the cabinets don't rotate on the rigging and that the rigging is securely attached to the cabinets.
- In "Subwoofer Behind" configurations, the general rule of thumb is that there shouldn't be less than 6" (152mm) between the face of the subwoofer and the rear of the cabinet in front of it (allows sufficient air movement from the subwoofer cones and parts).

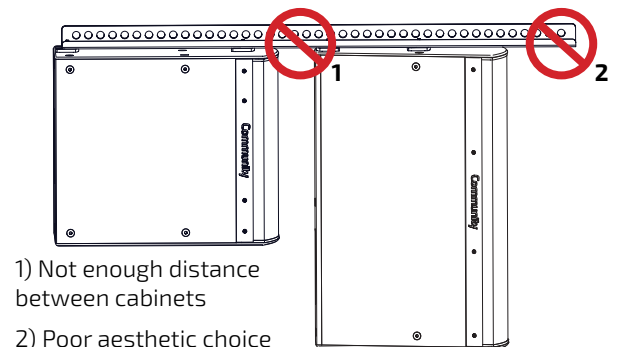


Flying:

- Optimally, each array should be lifted from the hole(s) on the fly rails that produce the desired tilt angle using gravity alone (the "Balance Point").
- A second cable may be used to fine-tune the exact aiming angle and/or stabilize the array from rotation as necessary.



- 1) Rails do not extend behind subwoofer (best aesthetics)
- 2) Ample distance between the subwoofer and full-range cabinets
- 3) Fly rails well behind cabinet face



- 1) Not enough distance between cabinets
- 2) Poor aesthetic choice

LOUDSPEAKER WEIGHTS

| <i>FULL-RANGE</i> | <i>600 Level [lbs (kg)]</i> | <i>800 Level [lbs (kg)]</i> | <i>SUBWOOFER</i> | <i>600 Level [lbs (kg)]</i> | <i>800 Level [lbs (kg)]</i> |
|-------------------|-----------------------------|-----------------------------|------------------|-----------------------------|-----------------------------|
| IP6/8-1122 | 65.0 (29.5) | 55.0 (24.9) | IP6/8-112 | 64.0 (29.0) | 58.0 (26.3) |
| IP6/8-1152 | 79.0 (35.8) | 68.0 (30.8) | IP6/8-115 | 78.0 (35.4) | 72.0 (32.7) |
| IP8-1153 | - | 105.0 (47.6) | IP6/8-118 | 97.0 (44.0) | 98.0 (44.5) |
| IP8-0002 | - | 63.0 (28.6) | IP6/8-212 | 101.0 (45.8) | 89.0 (40.4) |
| IP8-1151 | - | 54.0 (24.5) | IP6/8-215 | 126.0 (57.2) | 14.0 (51.7) |
| | | | IP6/8-218 | 170.0 (77.1) | 172.0 (78.0) |