

## Elevation Series ELB16

### Flying Bumper

#### Features:

- Heavy Duty Flying Grid Custom Designed for All Touring Versions of the Elevation Series
- Supports Arrays up to 729kg (1675 lbs)
- Excellent Platform for Ground Stacking Arrays
- Extremely Secure and Stable Design
- Ideal for Quick Setup & Teardown
- Ground Stack Leveling Feet Included

#### Details:

Quick set up and teardown is critical in high quality sound reinforcement. The Elevation Series exclusive integrated rigging hardware for the EL210t cabinets and ELS212t subwoofers allow enclosures to be easily and securely locked together and flown in large arrays.

The custom designed rigging hardware of each touring enclosure, provides a rugged, extremely secure suspension system for flown arrays. Individual cabinets are attached together and angled using quick-attach pins, included with the cabinets. Use only Jergens stainless steel quick pins (part # 800650) supplied.

The ELB16 bumper can handle up to 18 EL210t boxes in a flown straight vertical array. Elevation Series ELS212t subwoofers can be flown in the same vertical array with the EL210t full range enclosures for convenient fully flown touring systems.

The versatile ELB16 bumper is also the ideal platform for building secure, level vertical ground stacks for venues where a flown array is not the most cost effective system solution.

#### Additional Information on Flying Systems

Use only VTC flyware and bumper for any large-scale flown arrays and use only the maximum cabinet configurations listed. Correct use and a full understanding of all suspension hardware and components is imperative in sound system rigging and deployment.

Research local codes and regulations to fully understand the requirements for suspended loads in the venue in which the equipment is to be suspended. Always calculate suspended loads before lifting array to ensure suspension components and hardware are being used are well within their respective load limits.

Consult a professional mechanical or structural engineer licensed in the jurisdiction where the sound system will be installed to review, verify and approve all attachments to the building or structure. Never



assume owner or third-party supplied suspension or attachment points are adequate for the loads to be suspended.

Be absolutely certain of the integrity of any structural member intended to support suspended loads. Hidden structural members can have hidden structural weakness, modifications or other defects.

Always employ the services of a professional rigger for hoisting, positioning, and attaching the equipment to any supporting structure, building or mobile trussing. Refer to local building codes and regulations regarding flown hardware or fixtures and strictly adhere to them.

ELB16 bumper should only be attached to flying rig with Crosby 5/8th-inch shackle or approved equivalent. Use only shackle holes for suspension of array.

Always inspect all components (enclosures, suspension brackets, pins, frames, bolts, nuts, slings, shackles, etc.) for cracks, wear, deformation, corrosion, missing, loose, or damaged parts that could reduce the strength of the assembly before lifting. Discard any worn, defective, or suspect parts and replace them with new appropriately load-rated parts.

**Please Note:** All Elevation Series Cabinets can be attached to bumper with ONLY custom Jergens stainless steel pins (Yorkville part #8980) included (x4) with the ELB16. Pins must be secured with cotter pins (included).

#### Specifications:

Capacity (lbs/kg) 5:1 ratio	1675 / 729 (equivalent to 18 EL210t cabinets in straight vertical array)
Materials	Aluminum Alloy 5083-H321 6061-T6 or Equivalent
Finish	Black Powder coat
Included Accessories	4 x stainless steel leveling Feet 4 x Jergens stainless steel pins with lanyards 4 bowtie cotter pins
Dimensions (in)	51.70 x 28.92 x 4
Dimensions (cm)	131.3 x 73.5 x 10.2
Weight (lbs/kg)	105 / 47.3

*Specifications subject to change without notice.*

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#### Suggested Flying Configurations with ELB16 Bumper:

**Maximum Subwoofers:** 9 x ELS212T flown with no EL210T

**Maximum Cabinets:** 18 x EL210T straight vertical hang

14 x EL210T J-Array (top 7 cabinets Vertical (straight) and remaining 7 fully splayed at 10° each)

8 x EL210T Cabinets only if fully splayed at 10° each

**Maximum Mixed Arrays:** 6 x ELS212T with 6 x EL210T Vertical

4 x ELS212T with 10 x ELS210T (Vertical)

2 x ELS212T with 6 x ELS210T (top 4 cabinets Vertical (straight) and remaining 2 fully splayed at 10° each)

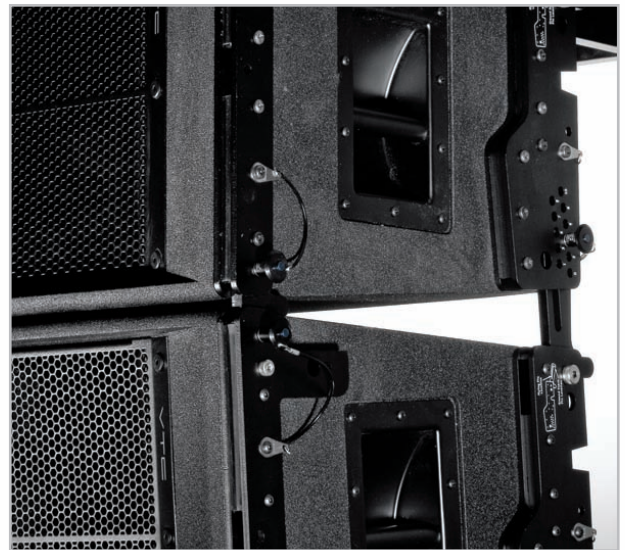
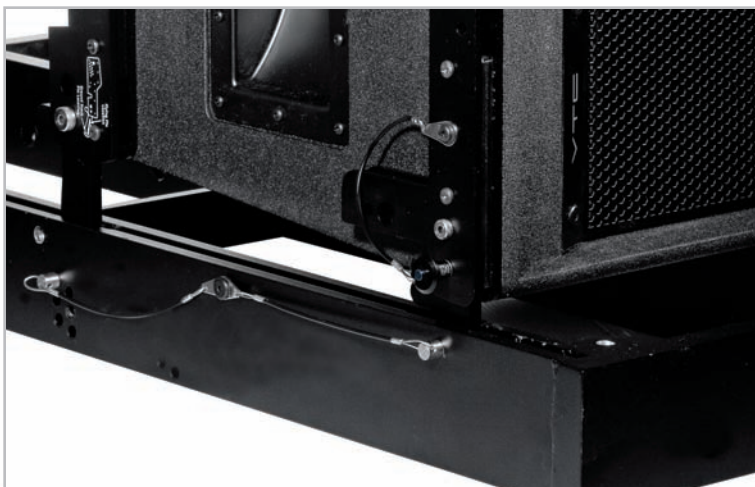
2 x ELS212T with 4 x ELS210T (if fully splayed at 10° each)

#### Ground Stack Configurations with ELB16 Bumper

**Maximum Cabinets:** 8 x EL210T splayed maximum 5° each

2 x ELS212T Subwoofers / 6 x EL210T splayed maximum 5° each

*Do not attempt to ground stack EL210T cabinets without bumper or subwoofers as foundation.*



# VTC PRO AUDIO

