

Horizontal Array Bracket Installation Instructions

Horizontal array brackets are used to mount two Control loudspeakers to a wall (Figure 1) or, when combined with two additional brackets, six loudspeakers may be attached then suspended from a ceiling or beam (Figures 2-4). In this example a single JBL model MTC-28H horizontal array bracket is used.

The loudspeaker's left and right side tapers allow two speakers to array in a horizontal arc pattern for a wide coverage in the horizontal plane. Aiming angles can be adjusted via the speaker's Invisiball™ adjustment system for flexibility in meeting coverage requirements.

Caution: this bracket should be installed by a qualified technician only.

Use the diagrams on the following pages to properly install this wall mounting and ceiling suspended bracket and loudspeakers. The following items are included in the MTC-28H kit:

- | | | | |
|----|--------------------------------|----|-------------------------|
| 1. | 1 pc. Mounting Bracket | 5. | 4 pcs. 10-24 x ½" screw |
| 2. | 8 pcs. Screws ¼"-20 x ¾" | 6. | 4 pcs. # 10 flat washer |
| 3. | 8 pcs. Flat washer (¼" inside) | 7. | 4 pcs. # 10 lock nut |
| 4. | 8 pcs. Locknut (¼"-20) | | |

Wall Mounting

Step 1.

Install The two Invisiballs onto the bracket (see figure 1) using the included screws (item #2).washers (item #3) and lock nuts (item #4). **Be sure that all screws and lock nuts are tightened for a Permanent Installation.**

Step 2.

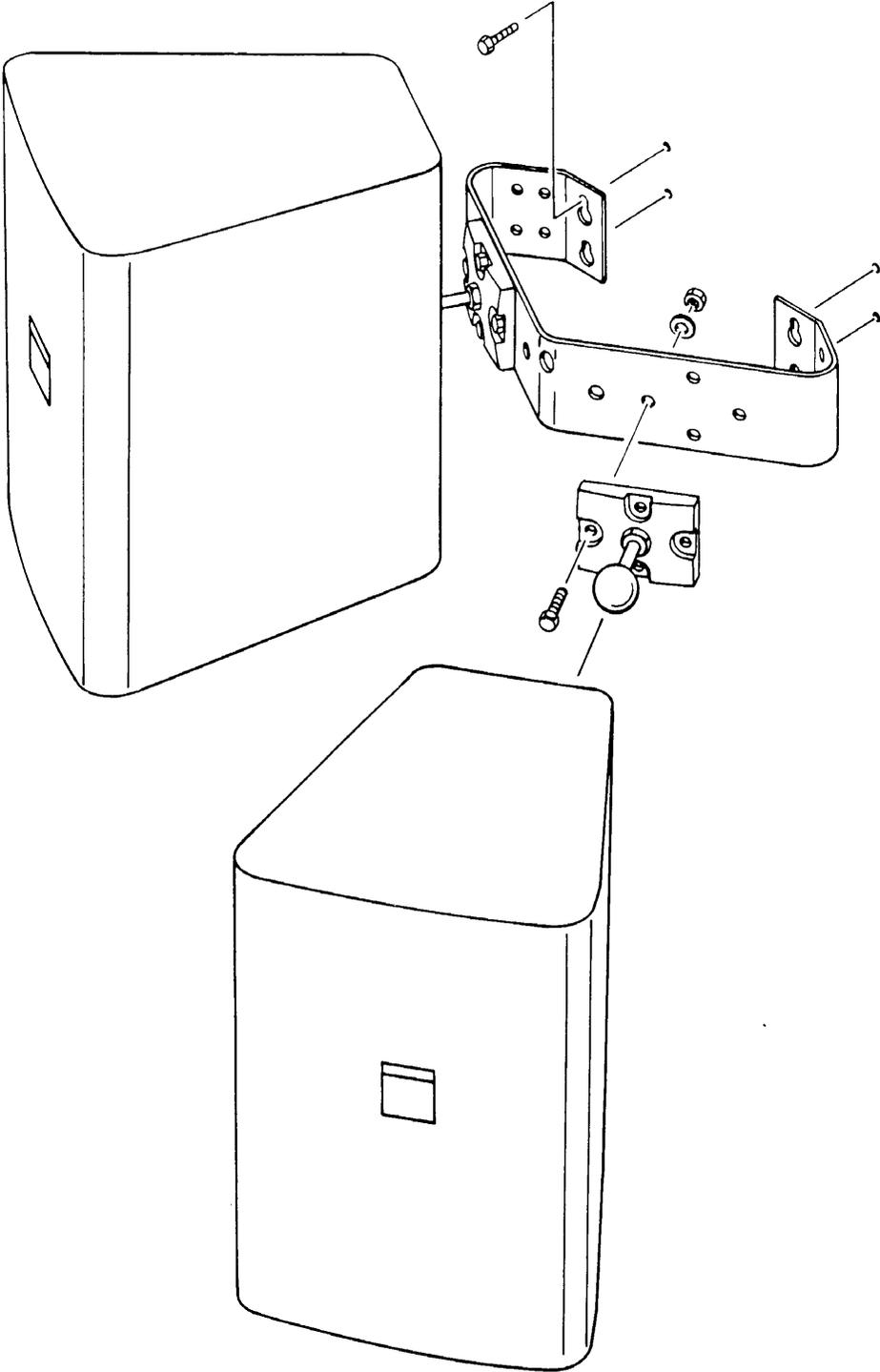
Secure the bracket assembly to the mounting surface.

Caution: Always be sure the mounting surface and the method of attaching the bracket to the mounting surface is structurally capable of supporting the weight of the speakers and the brackets with a 10:1 safety ratio. If you have any doubts of the capability, do not install this bracket.

Step 3.

Follow instructions included with the Control 28 loudspeakers for mounting the speakers onto the Invisiball™ mounting bases and for adjusting the aiming angles.

Figure 1



Important: Place washer over the screw in back of the bracket, then place the lock nut over the screw and tighten.

Horizontal Array Assembly / Suspension Instructions

A 360 degree Cluster Module Using Three Brackets

Three horizontal brackets can be assembled together to form a 360 degree cluster module. In this example, three MTC-28H brackets are assembled and used for mounting six Control 28 loudspeakers, however the instructions are similar for the assembly of the MTC-23H and MTC-25H brackets.

Step 1.

Install two Invisiball™ mounts onto each horizontal bracket (Figure 2) using included screws (item #2), flat washers (item #3) and lock nuts (item #4). Tighten the lock nuts for a permanent installation.

Step 2.

Connect three horizontal brackets as shown in figure 2 using the included screws (item #5), flat washers (items #6) and lock nuts (item #7). Tighten the lock nuts for a permanent installation. The final assembly should appear as in Figure 3.

Step 3.

Follow the instructions included with your Control Contractor loudspeakers for mounting the speakers onto the Invisiball™ mounting bases and for adjusting the aiming angles.

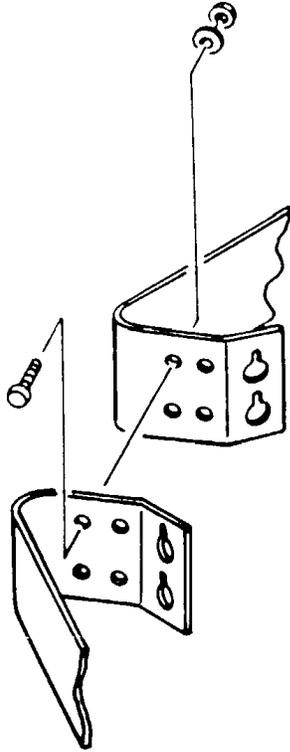
Step 4.

Suspend the bracket assembly only from the holes located in the center bend of each bracket (Figure 3). Consult the building codes in your area to determine the proper materials and procedures for suspending this bracket assembly.

Caution: Be sure the mounting points and the method of attaching the bracket assembly to the mounting points are structurally capable of supporting the weight of the speakers and the brackets with a 10:1 safety ratio. If you have any doubts of the capability, do not install this bracket. Consult with a licensed suspension expert. Failure to properly install this product could result In damage, injury or death.

Assembly / Suspension Instructions

Figure 2



Suspension Hole

Important: Place washer over screw in back of the bracket, then place the lock nut over the screw and tighten.

Figure 3

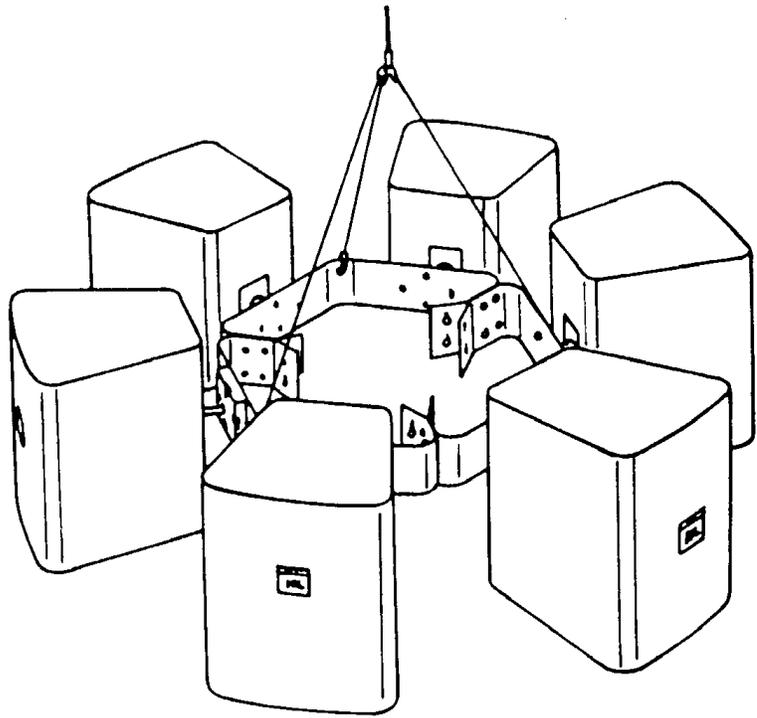
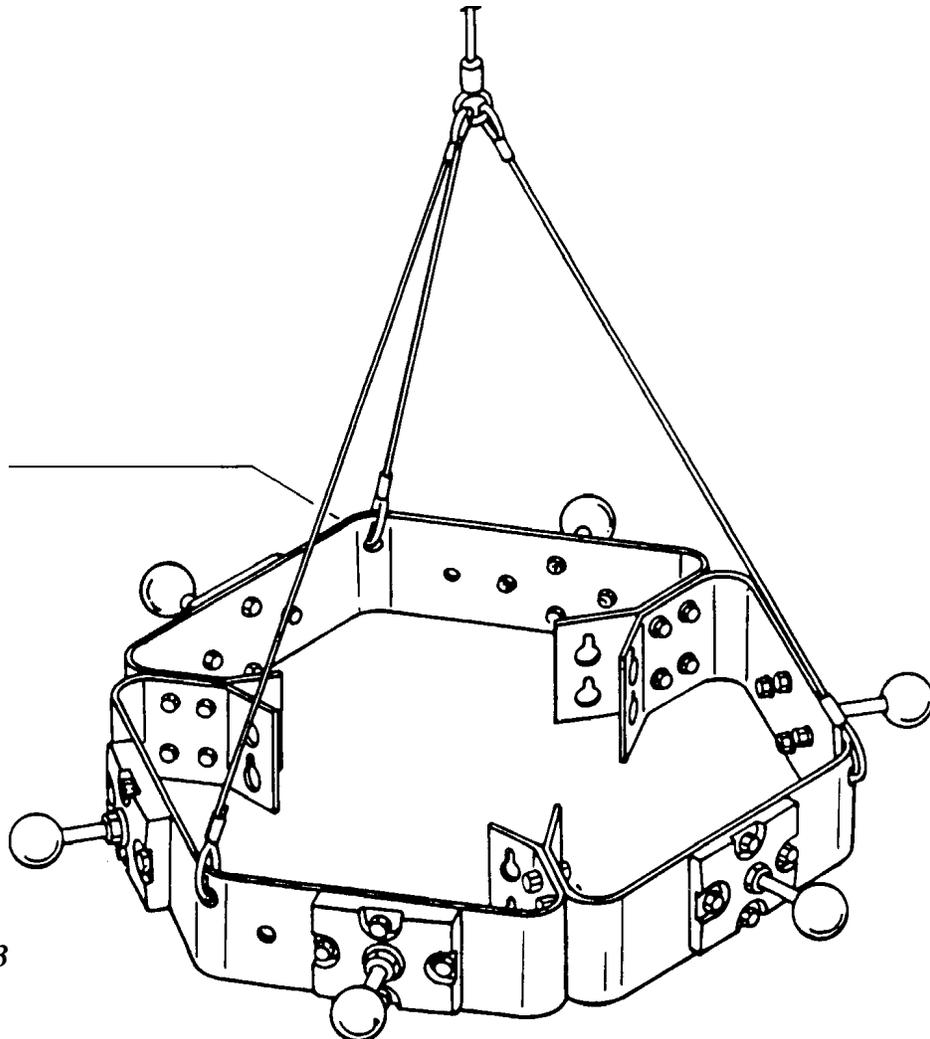
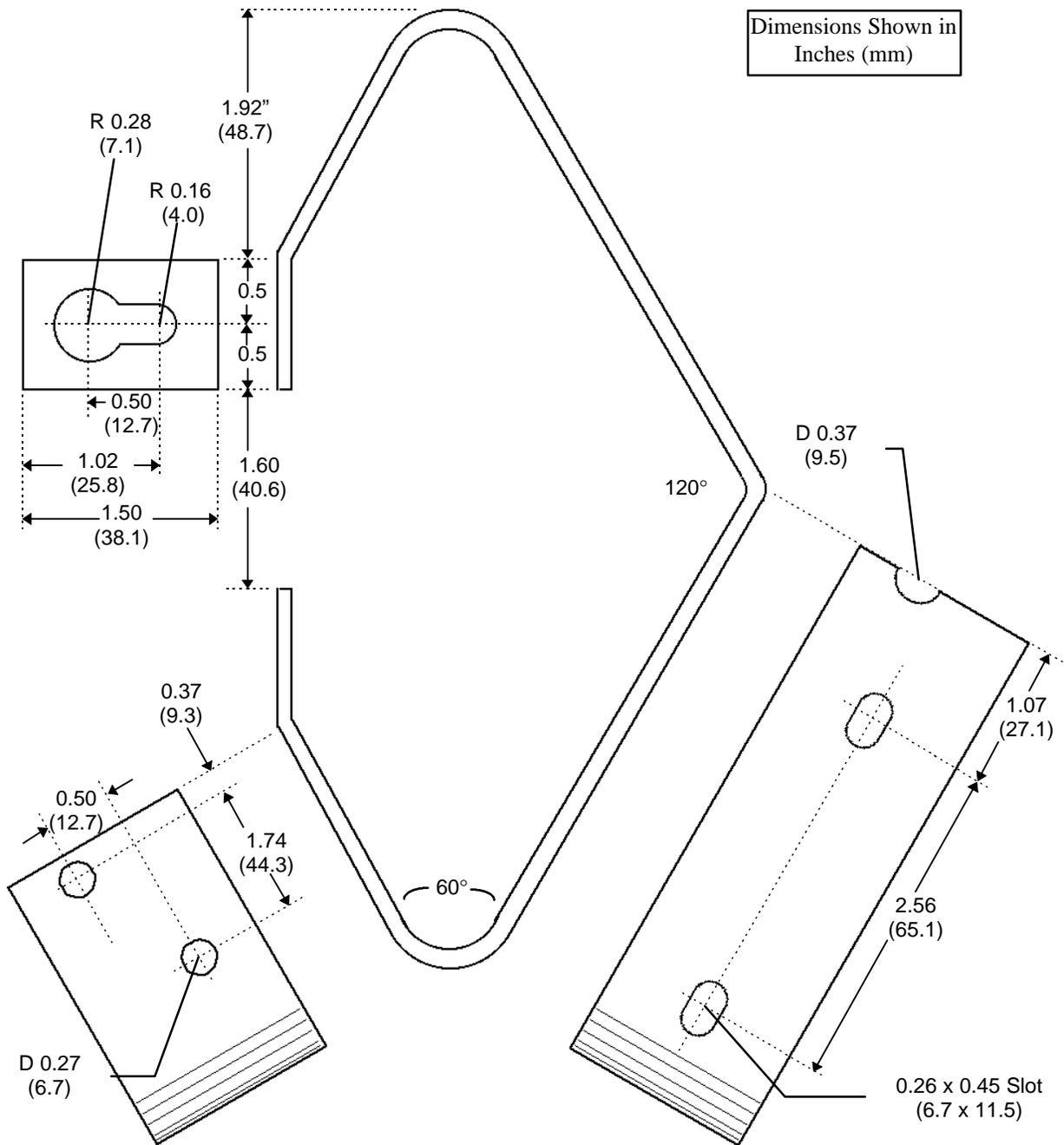
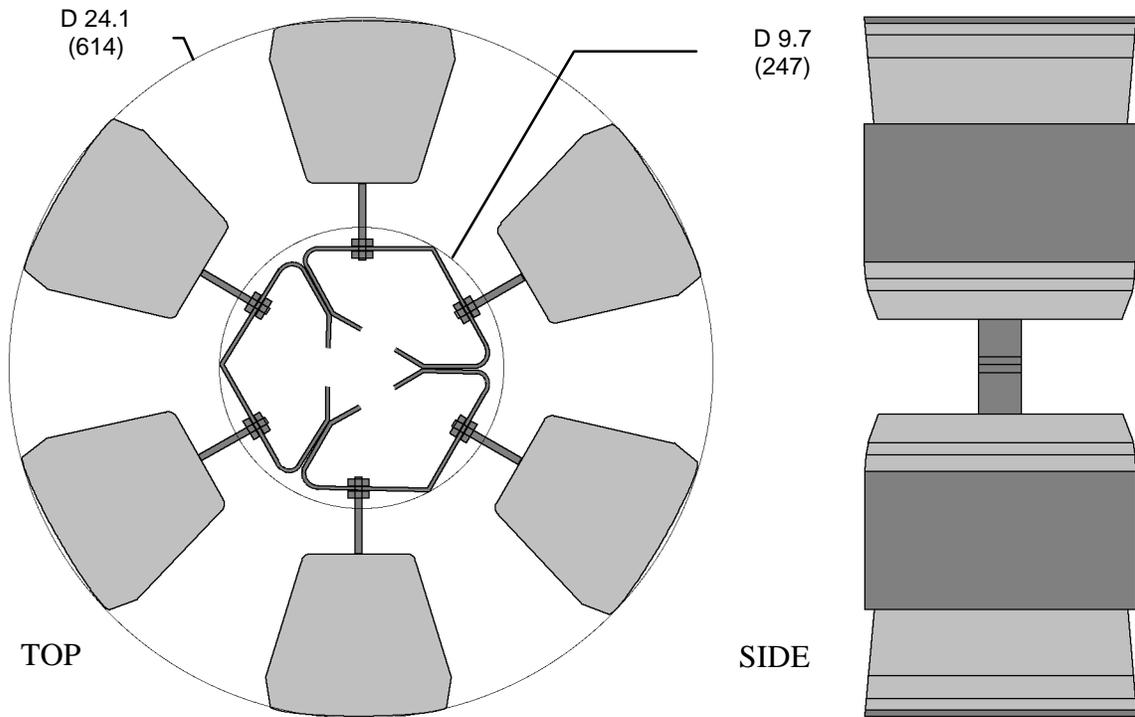


Figure 4

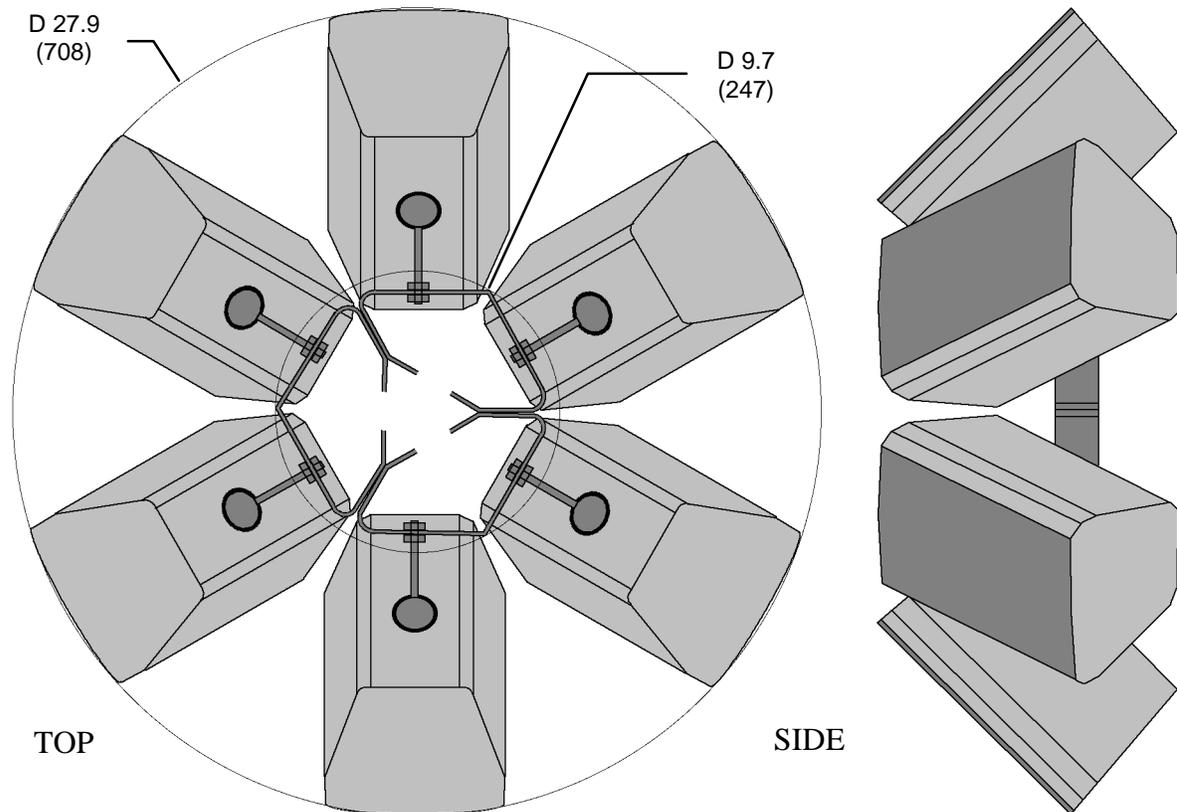
MTC-25/23H Control Contractor Horizontal Mounting Bracket For Control 25 or Control 23 Speakers



Cluster Module Dimensions 3 MTC-25/23H w/ 6 Control 25's



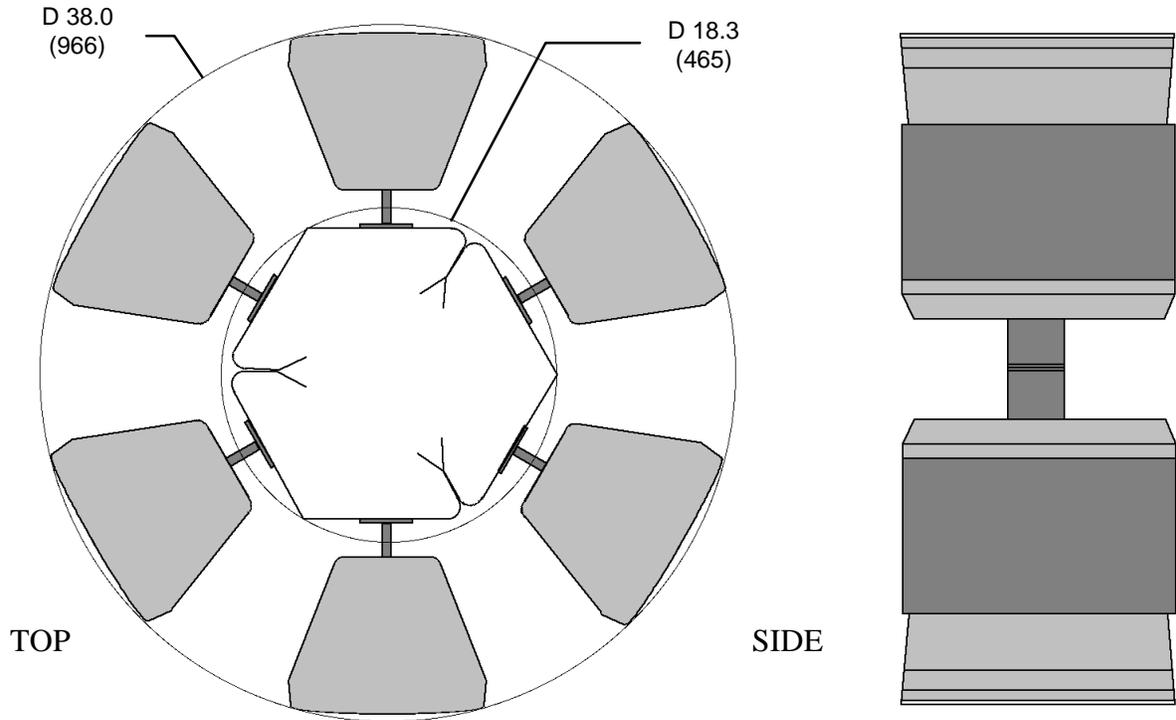
Speakers at 0 Degree Down Angle



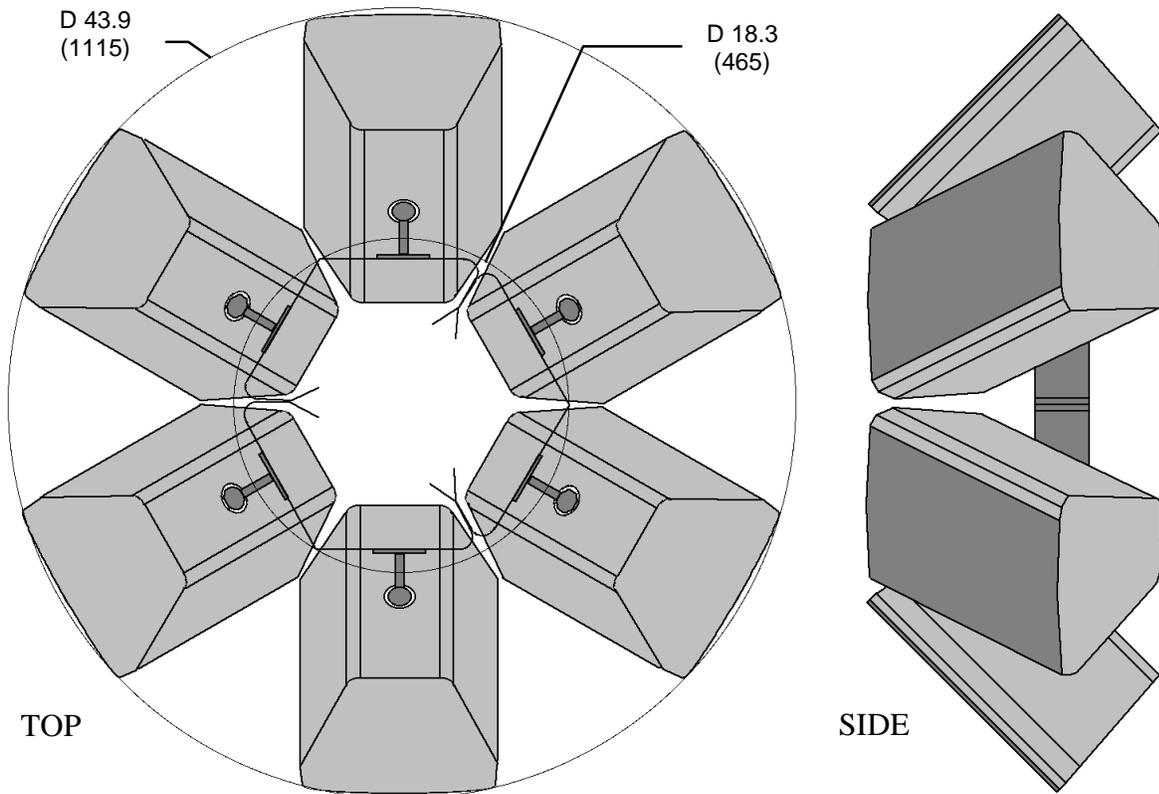
Speakers at 45 Degree Down Angle

Dimensions Shown in Inches (mm)

Cluster Module Dimensions, 3 MTC-28H w/ 6 Control 28's



Speaker at 0 Degree Down Angle



Speaker at 45 Degree Down Angle

Dimensions Shown in Inches (mm)