

# TA1202-1Y TIME-ALIGN®

## APPLICATIONS

Audio-Visual Installations      House of Worship Installations  
Auditorium Sound Reinforcement      Restaurant Foreground Music Systems  
Nightclub Installations

## DESCRIPTION

The TA1202-1 produces high definition high impact sound over its controlled coverage angle allowing precise effective audience coverage in a variety of venues. This point source loudspeaker, engineered for seamless short and mid throw performance is well known for exceptional fidelity and its surprisingly high output capability. It excels in speech projection and live performance PA systems as well as high level music playback systems.

Rotatable high frequency waveguide and universal fly points allow the TA1202-1 to be easily installed and aimed in a multitude of applications. The rotatable 80 degree (h) by 60 degree (v) coverage pattern offers optimal coverage options for horizontal or vertical mounting.

The TA1202-1 includes an internal passive Time-Align crossover and optimal venting provides a surprisingly powerful bass output. With its hi fidelity, convenient size and hi output its perfect for many stand alone applications. Adding Bag End subwoofers will expand its capabilities to include larger venues.

Constructed from 18mm Baltic Birch plywood the TA1202-1 features a durable and attractive black Ro Tex finish, durable steel grille and multiple fly points.



## SPECIFICATIONS

### System Type:

2-way vented 1.1 ft<sup>3</sup>

### Enclosure:

18 mm 13-ply birch plywood

### Finish:

Black Ro Tex™ True water born environmental finish

### Grille:

16 Gauge black power coated perforated steel

### Low Frequency Components:

SE-1280 12" Transducer, 2.5" Voice coil, 80 oz. Magnet

### High Frequency Components:

E-700 1" Exit compression driver, 1.8" Titanium diaphragm, 15 oz. Magnet, Radial Waveguide

### Input Connector:

Cinch 142 screw terminal barrier strip

### Hardware:

Forged steel eye bolts  
Yoke model 3  
Steel yoke U-bracket

### Fly Points Safe Working Load:

200 lbs Upper most rigging points

### Crossover Type:

Passive Time-Align® equalizer type at 2.5 kHz

### Time Offset Between Driver:

< ± 25 Microseconds

### Sensitivity:

101 dB SPL (2.83 V @ 1m)

### Frequency Response:

75 Hz to 20 kHz ±3 dB

### Low Frequency Limit:

65 Hz

### Maximum Calculated Continuous Acoustic Output:

127 dB SPL @ 1m

### Power Handling:

300 W continuous (IEC)  
600 W program

### Recommended Amplifier Power:

300 to 600 W at rated impedance

### Rated Impedance:

8 Ohms

### Coverage Pattern:

80 degrees Horizontal (-6 dB)  
60 degrees Vertical (-6 dB)  
Rotatable horn

### Recommended High Pass Filter:

60 Hz

### Polarity:

A positive asymmetrical signal applied to the + terminal will result in a positive asymmetrical acoustical pressure

### Dimensions:

21" h x 14" w x 11.5" d  
54 cm x 36 cm x 30 cm

### Weight:

42 lbs  
19 kg

### Custom Finishes:

Optional custom finishes include white, unfinished ready to paint and outdoor weather treatment.

### 70/100/140 Volt Operation:

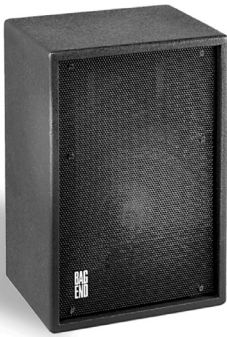
Optional 100 or 200 Watt taped internal transformer

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# TA1202-IY TIME-ALIGN®

## ABOUT TIME-ALIGN® TECHNOLOGY

Time-Align® assures that the fundamental and overtones of a complex, transient, acoustical signal are presented to the listener in the same relationship as the electrical signal at the input terminals of the loudspeaker. The conventional loudspeaker spreads out the sound in time. When a rapid series of transients occur the results are blurring and lost detail. With Time-Align®, a transient is presented as a tight package of energy, with the same time relationships as the natural sound. This means that a rapid series of transients will be heard clearly.



True Time-Alignment™ requires much more than just physically lining up the loudspeaker components. It requires consideration of the driver placement, driver delay and adjustment of the crossover delay parameters. This achieves the precise simultaneous acoustical arrival time of each driver throughout the crossover region.

The first Time-Aligned™ Loudspeaker was invented by EM Long Associates in 1976 utilizing the Time-Align® generator invented and built by Ronald Wickersham. In 1980 Bag End® incorporated Time-Align® technology into our full range loudspeaker systems. Along with state-of-the-art laboratory instruments, the proprietary Time-Align® generator is still in use today to verify the time domain performance of our loudspeaker systems. When comparing a genuine Bag End® Time-Aligned™ loudspeaker system to any other, our technology and design is easy to hear and appreciate. The dramatic clarity, realism, and overall pleasant sound of our Time-Aligned™ systems are well noted worldwide.

## ABOUT OUR RO TEX™ FINISH

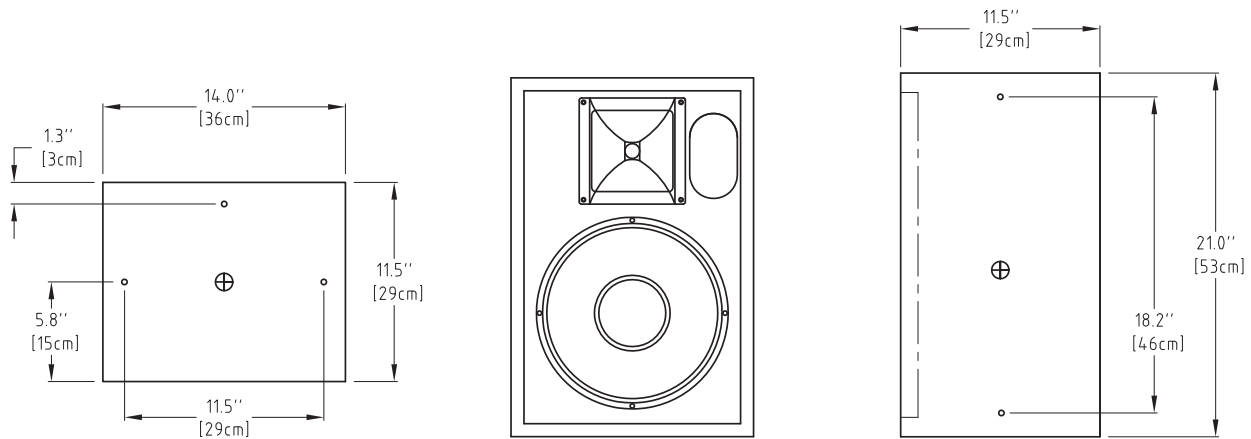
The durable Ro Tex™ finish is double layered on Bag End™ "R" series or Road cabinets. And single layered on installation or "I" cabinets. Ro Tex™ is a water born environmentally safe finish. It's uniquely strong and long

lasting. As it solidifies it attaches and bonds to the wooden cabinet to make a super hard and durable permanent finish. Its light texture offers an attractive and rugged finished look

## ABOUT BAG END® LOUSPEAKERS

Bag End loudspeakers began in 1976 in a small shop by people dedicated to the pursuit of making high quality loudspeaker systems. Over the decades Bag End® has employed the very best construction techniques and innovative acoustical designs into their products. The ground breaking introductions of the Time-Align® and ELF™ Technologies into sound reinforcement and studio monitor loudspeakers in the 1980's was followed by Minima One™ self-powered systems and the highly unique E-Trap™, electronic bass trap. Over the decades, Bag End® has been a leader in providing uniquely good sounding products and extraordinary service to our customers world wide.

## DIMENSIONS

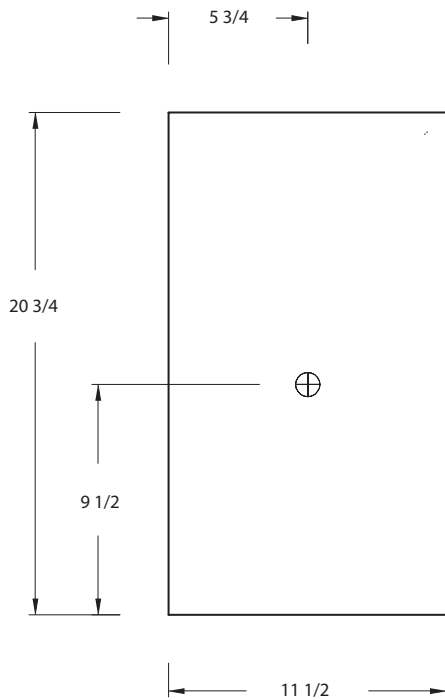


⊕ = Center of Gravity      ○ = 5/16" - 18 Threaded Rigging Point

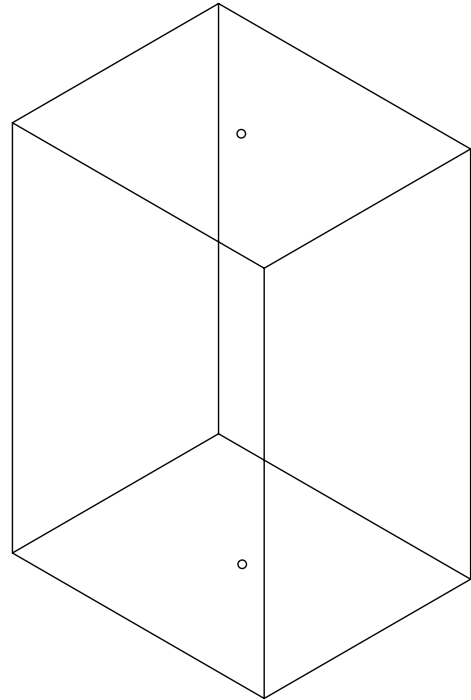


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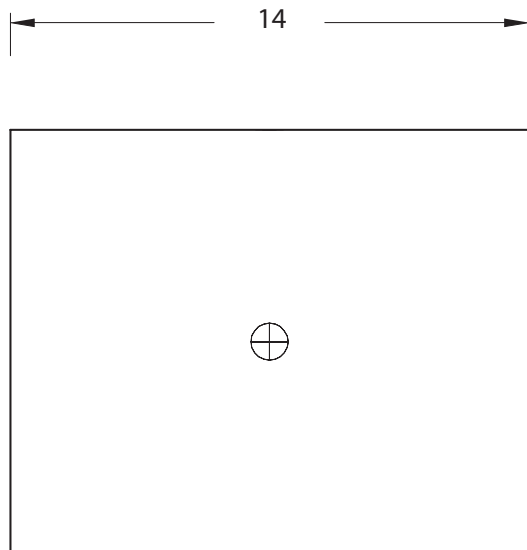
## SIDE VIEW



## ISOMETRIC VIEW



## TOP VIEW



## KEY

Center of Gravity: +

## WARNINGS

Mounting and rigging loudspeakers requires experienced professionals. Improperly installed loudspeakers can result in property damage, personal injury, death and/or liability to the installing contractor.

## FLYPOINTS

Includes flypoints as shown

plus 3 x 5/16"-18 forged shoulder eyebolts.