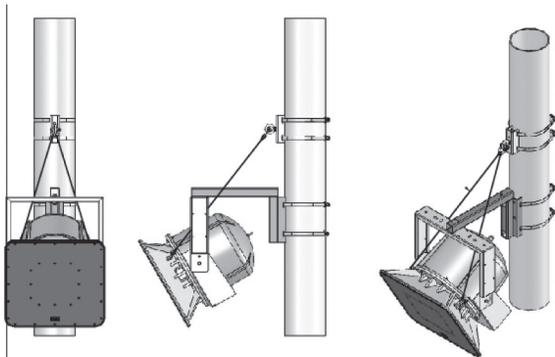


Atlas Sound AH Series & Allen PoleStar® Installation Guideline & Considerations

As a convenience to our dealers, Atlas Sound is proud to provide quality mounting solutions from Allen Products Company to facilitate pole mounting of the Atlas AH series stadium horns. Please call Atlas customer service at 800.876.3333 for assistance in choosing the correct hardware for your installation. Application drawings are also available at www.atlssound.com. Installation of safety cables are strongly recommended on all Atlas Sound and Allen Products equipment. Note: Installation of this product must only be conducted by a qualified contractor.

Before purchasing the parts required, we recommend you review all documents to assure you have complete understanding of the requirements for the installation. Every installation is different and there are many options available to meet the installation requirements. The PoleStar® product is designed by Allen Products as a universal pole mount system, allowing it work with other manufacture's products as well as Atlas Sound. If there are any special considerations that require alteration of the products, you must first contact Atlas Sound or Allen products for approval.



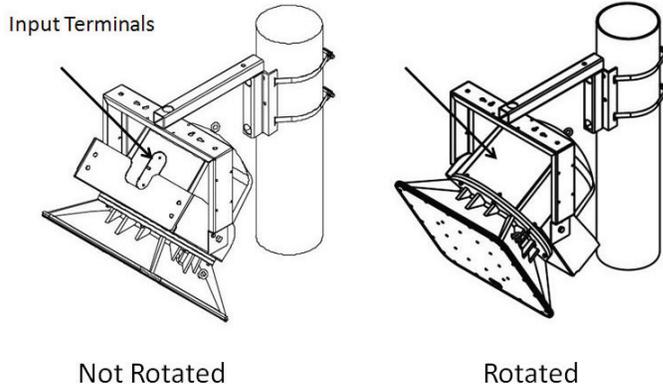
Important: Read First Prior to Installation

1. Determine the pole diameter as this is important to know to determine the Pole Mount Band Strap length and Mounting Bracket.
2. Choose speaker model, quantity and orientation. Locate the proper application installation guide. This will indicate which parts are required.
3. Single speaker installations on 2" to 6" diameter poles and columns: use the AH-PM-MOUNT-6DOWN and the selected AH-PM-SA support arm.
4. Single speaker installations on 6" and larger diameter poles and columns: use the AH-PM-MOUNT-6UP and the selected AH-PM-SA support arm.
5. Two speaker installations can be installed only poles 4" in diameter or larger using the AH-PM-MOUNT-6UP and the selected AH-PM-DA dual adapter kit.
6. Three speakers may be installed on 4" and larger diameter poles using the AH-PM-MOUNT-6UP, the selected AH-PM-SA support arm and the selected AH-PM-DA dual adapter kit.

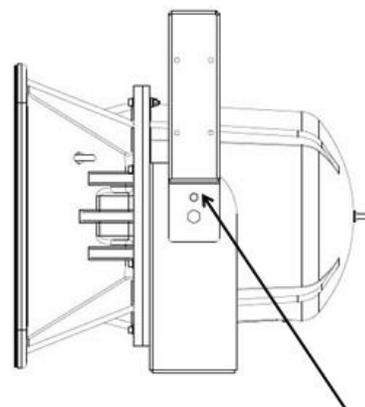
Flipping the AH speaker mounting bracket

7. Flipping the AH speaker mounting bracket, there are several ways you can mount a AH Horn speaker as indicated in the owner's manual. If you are going to pole mount an AH speaker, we recommend that you flip or rotate the mounting bracket so that the support bracket center mounting hole is facing upward and the input signal terminal strip is facing downward. For the AH 8" and 12" models simply loosen the two end nuts and

rotate the bracket. For the 15" models you will have to remove the bracket, flip or rotate the bracket so the center hole is facing upward, reconnect the bolt and nut.

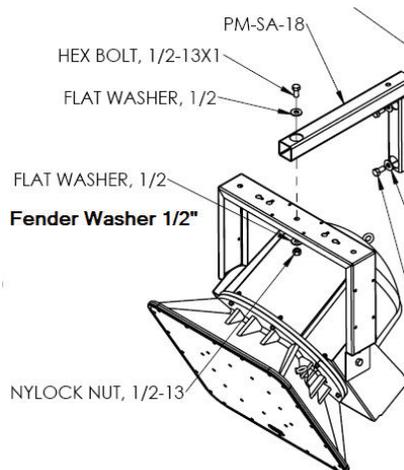


*Note: When rotating the bracket and after the speaker angle is in position it is recommended to drill a hole and place a screw through both plates to ensure the speaker will not swivel. **You will have to provide the bolt and nut.** See diagram below.*



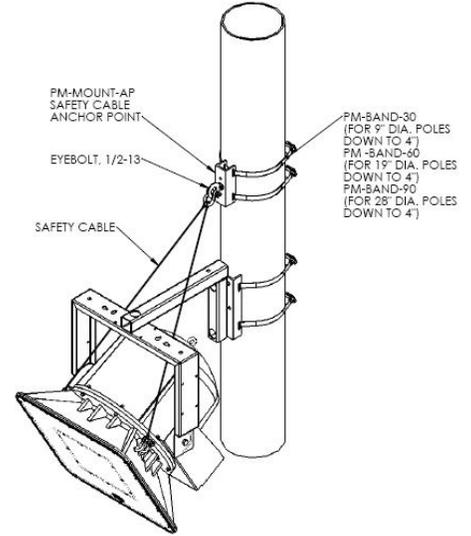
Drill a ¼" (.250) hole and secure with a bolt and lock nut

8. **Fender Washer** - It is also suggested to add a ½" Fender washer placed between the AH support bracket center mounting hole and the nylock from the PoleStar support arm. **You will have to provide the washer.**

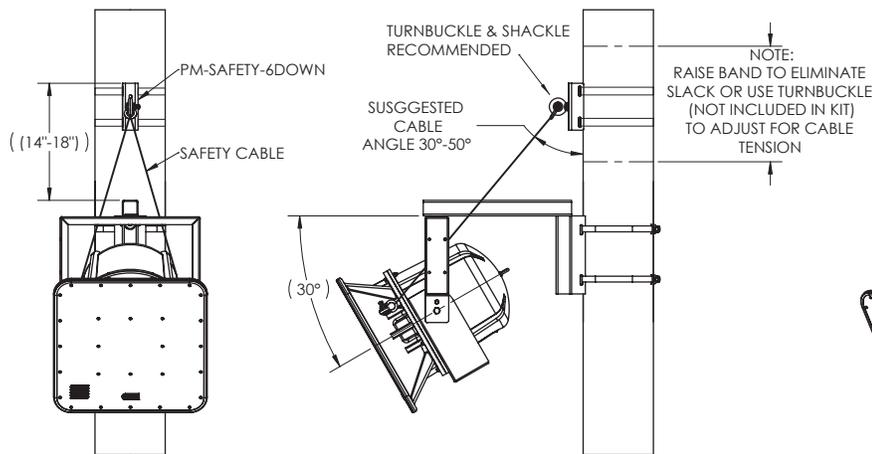


Atlas Sound AH Series & Allen PoleStar® Installation Guideline & Considerations

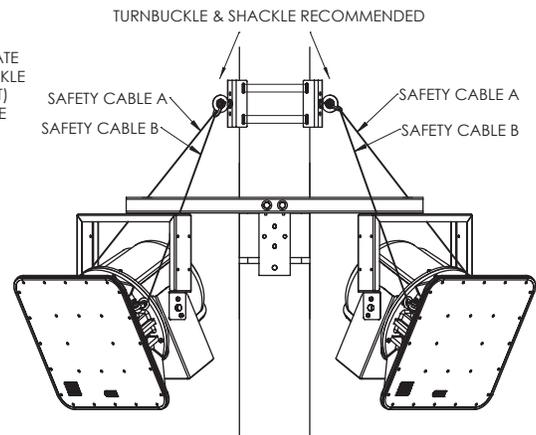
9. **Safety Strap & Rubber Washer** - Each speaker must have a safety strap or cable installed that completely bypasses the mounting system. Two straps per speaker will provide additional steering support that helps prevent speakers from rotating left to right in high winds. Pay special attention to the cable lengths for the AH model type and mounting configuration. For maximum flexibility with cable tension adjustment, we suggest purchasing a turnbuckle and a shackle. The PoleStar® Support Arm comes with a rubber gasket that goes in between the arm and the Atlas Horn Yoke bracket to further prevent the speaker from rotating in high winds.



AH SINGLE MODEL CONFIGURATION



AH DOUBLE MODEL CONFIGURATION



CABLE SELECTOR CHART			
MODEL	SINGLE	DOUBLE A	DOUBLE B
8"	33	33	30
12"	33	33	30
15"	43	38	33

Atlas Sound AH Series & Allen PoleStar® Installation Guideline & Considerations

Available PoleStar® Parts (Note: Call for availability)

Pole Mount Components

- | | |
|---|---|
| <ul style="list-style-type: none"> • AH-PM-MOUNT-6DOWN • AH-PM-MOUNT-6UP • AH-PM-SA-12 • AH-PM-SA-18 • AH-PM-SA-24 • AH-PM-DA-24 • AH-PM-DA-36 • AH-PM-DA-48 • AH-PM-BAND-20S • AH-PM-BAND-30 • AH-PM-BAND-60 • AH-PM-BAND-90 | Pole Adaptor Bracket 2" - 6" pole diameter 150 lbs max.,
Support Bands sold separately
Pole Adaptor Bracket 6" or greater pole diameter 300 lbs max.,
Support Bands sold separately
Support Arm, 12" extension
Support Arm, 18" extension
Support Arm, 24" extension
Dual Adaptor, 24" extension
Dual Adaptor, 36" extension
Dual Adaptor, 48" extension
20" Pole Mount Strap, 2" - 6" pole diameter
30" Pole Mount Strap, 6" - 8" pole diameter
60" Pole Mount Strap, 6" - 17" pole diameter
90" Pole Mount Strap, 6" - 27" pole diameter |
|---|---|

Safety Anchor & Cables

- | | |
|---|---|
| <ul style="list-style-type: none"> • AH-PM-SAFETY-6DOWN • AH-CC-096-S • AH-FC-030-S • AH-FC-033-S • AH-FC-038-S • AH-FC-043-S • AH-TB-025 • AH-SK-025 | Safety Anchor, for pole diameters 2" and up, Support Bands sold separately
Safety Cables Qty. 2, adjustable to 90" silver, galvanized
Safety Cables Qty. 2, 30" fixed length, silver, galvanized
Safety Cables Qty. 2, 33" fixed length, silver, galvanized
Safety Cables Qty. 2, 38" fixed length, silver, galvanized
Safety Cables Qty. 2, 43" fixed length, silver, galvanized
Turnbuckle ¼", silver, galvanized
Shackle ¼", silver, galvanized |
|---|---|

AH Horn Application Guides

- Single AH Pole Mount 8', 12", 15"
- Double AH Pole Mount 8', 12", 15"
- Safety Strap Install Guide

Safety Instructions

Please Read Carefully Before Installing or Operating

- Read all instructions carefully
- Heed all warnings
- Assure that the speaker is securely mounted

Suspension and Mounting

Suspension or "flying" speaker systems requires training and expertise. Improper rigging of a flying speaker may result in injury, death, equipment damage, and legal liability. Installation must be carried out by fully qualified installers, in accordance with all required safety codes and standards at the place of installation.

A **5:1** design factor is a generally accepted minimum standard. However, legal requirements for overhead suspension vary by municipality, please consult your local safety standards office before installing any product. We also recommend that you thoroughly check any laws and bylaws prior to installation. Loudspeakers flown in theaters, nightclubs, conference centers, or other places of work and entertainment must be provided with an independent, correctly rated and securely attached secondary safety, *in addition to the principle suspension point(s)*. *This secondary safety must prevent the loudspeaker from dropping more than (6") should the principle suspension device fail. If you lack the skills, training, and proper ancillary equipment to fly a speaker system, do not attempt to do so.*

Atlas Sound AH Series & Allen PoleStar® Itemized Parts List

DESCRIPTION
QTY.

AH-PM-MOUNT-6UP – Pole Adaptor Bracket 6" or greater pole diameter 300 lbs max., Support Bands sold separately

Pole Mount 6-Up	1
Hex Bolt, ½"-13 x 1" 304 Stainless	2
Nyloc Nut, ½"-13 304 Stainless	2
Flat washer, ½" 304 Stainless	4

AH-PM-MOUN-6DOWN – Pole Adaptor Bracket 2" - 6" pole diameter 150 lbs max., Support Bands sold separately

Pole Mount 6-Down	1
Hex Bolt, ½"-13 x 1" 304 Stainless	2
Nyloc Nut, ½"-13 304 Stainless	2
Flat Washer, ½" 304 Stainless	4

AH-PM-DA-24 – Dual Adaptor, 24" extension

Pole Mount Dual Adapter, 24"	1
Tap Bolt, ½-13" X 1.5" 304 stainless	3
Nyloc nut, ½-13, 304 Stainless	5
Split Lock washer, ½, 316 stainless	6
Flat washer, ½", 304 stainless	4
Tap bolt, ½-13" X 3" 304 stainless	2
Endcap, 2" Sq, Blk	2
Endcap, 1½" round, blk	3
Friction Rubber Washer, ½" ID	2

AH-PM-DA-36 – Dual Adaptor, 36" extension

Pole Mount Dual Adapter, 36"	1
Tap Bolt, ½-13" X 1.5" 304 stainless	3
Nyloc nut, ½-13, 304 Stainless	5
Split Lock washer, ½, 316 stainless	6
Flat washer, ½", 304 stainless	4
Tap bolt, ½-13" X 3" 304 stainless	2
Endcap, 2" Sq, Blk	2
Endcap, 1½" round, blk	3
Friction Rubber Washer, ½" ID	2

AH-PM-DA-48 – Dual Adaptor, 48" extension

Pole Mount Dual Adapter, 48"	1
Tap Bolt, ½-13" X 1.5" 304 stainless	3
Nyloc nut, ½-13, 304 Stainless	5
Split Lock washer, ½, 316 stainless	6
Flat washer, ½", 304 stainless	4
Tap bolt, ½-13" X 3" 304 stainless	2
Endcap, 2" Sq, Blk	2
Endcap, 1½" round, blk	3
Friction Rubber Washer, ½" ID	2

AH-PM-SA-12 – Support Arm, 12" extension

Pole Mount Support Arm, 12"	1
Tap bolt, ½-13" X 1½", 304 stainless	1
Nyloc, ½13, 304 Stainless	1
Split Lock washer, ½" 304 stainless	2
Endcap, 2" Sq, black	2
Endcap, 1½" round, black	4
Friction Rubber Washer, ½" ID	1

AH-PM-SA-18 – Support Arm, 18" extension

Pole Mount Support Arm, 18"	1
Tap bolt, ½-13" X 1", 304 stainless	1
Nyloc, ½-13, 304 Stainless	1
Split Lock washer, ½" 304 stainless	2
Endcap, 2" Sq, black	2
Endcap, 1½" round, black	4
Friction Rubber Washer, ½" ID	1

AH-PM-SA-24 – Support Arm, 24" extension

Pole Mount Support Arm, 24"	1
Tap bolt, ½-13" X 1", 304 stainless	1
Nyloc, ½-13, 304 Stainless	1
Split Lock washer, ½" 304 stainless	2
Endcap, 2" Sq, black	2
Endcap, 1½" round, black	4
Friction Rubber Washer, ½" ID	1

Atlas Sound AH Series & Allen PoleStar® Itemized Parts List

AH-PM-BAND-20S – 20" Pole Mount Strap, 2" - 6" pole diameter

¼" Screw Housing, 201 stainless	2
Banding strap, 20" long, 201 stainless	2
Housing Rack, 201 stainless	2

AH-PM-BAND-30 – 30" Pole Mount Strap, 6" - 8" pole diameter

6" Bolt Band Retainer Assy	2
Banding Strap, 30" long, 201 stainless	2
Flat washer, ¾" 316 stainless	2
Loctite 262, 5ml	1

AH-PM-BAND-60 – 60" Pole Mount Strap, 6" - 17" pole diameter

6" Bolt Band Retainer Assy	2
Banding Strap, 60" long, 201 Stainless	2
Flat washer, ¾" 316 stainless	2
Loctite 262, 5ml	1

AH-PM-BAND-90 – 90" Pole Mount Strap, 6" - 27" pole diameter

6" Bolt Band Retainer Assy	2
Banding Strap, 90" long, 201 Stainless	2
Flat washer, ¾" 316 stainless	2
Loctite 262, 5ml	1

AH-PM-SAFETY-6DOWN – Safety Anchor, for pole diameters 2" and up, Support Bands sold separately

Channel Mount Bracket, galvanized	1
Eyebolt, ½" x 1.5" long	1
Flat Washer, ½", 316 Stainless	2
Nyloc Nut, ½"-13,304 stainless	1
Shackle, 5/16"	1

AH-FC-030-S – Safety Cables Qty. 2, 30" fixed length, silver, galvanized, 400lbs Max Load Rating

¾" dia. x 30" Long Fixed cable, galvanized	2
Shackle, ¼", Zinc Plated	2
Tie Wrap, 4" long	2

AH-FC-033-S – Safety Cables Qty. 2, 33" fixed length, silver, galvanized, 400lbs Max Load Rating

¾" dia. x 33" Long Fixed cable, galvanized	2
Shackle, ¼", Zinc Plated	2
Tie Wrap, 4" long	2

AH-FC-038-S – Safety Cables Qty. 2, 38" fixed length, silver, galvanized, 400lbs Max Load Rating

¾" dia. x 38" Long Fixed cable, galvanized	2
Shackle, ¼", Zinc Plated	2
Tie Wrap, 4" long	2

AH-FC-043-S – Safety Cables Qty. 2, 43" fixed length, silver, galvanized, 400lbs Max Load Rating

¾" dia. x 43" Long Fixed cable, galvanized	2
Shackle, ¼", Zinc Plated	2
Tie Wrap, 4" long	2

AH-CC-096-S – Safety Cables Qty. 2, adjustable to 90" silver, galvanized, 400lbs Max Load Rating

½" dia. x 96" long cable, galvanized	2
½" Clutch lock Assy.	2
Shackle. ¼", Zinc plated	2
Tie wrap, 4" long	2

AH-TB-025 – ¼" eye-to-eye type, turnbuckle, galvanized. 500 lbs. load rating.

¼" turnbuckle, Length 7.5" - 11.5"	1
------------------------------------	---

AH-SK-025 – Shackle ¼" silver galvanized, load rating 1000 lbs

Shackle ¼"	1
------------	---