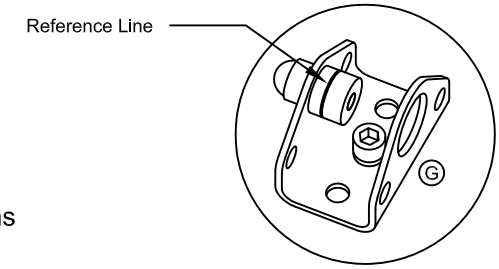
Please Note: This is a generic assembly detail. For Cabinet Specific variations, refer to any additional illustrations and information that may have been provided with your instructions or hardware set.



APE Hanger™ System

Patent US 8,126,184 B2

Instructions

Ⓐ
Gimbal option G3 (one of six options available)
Use the Drill Guide feature to drill bolt holes in component "B".
With pipe against end stop, drill into pipe from each side.
Discard the cotter pin and four 1/4" cap screws after use.
See the proper use of the Drill Guide @
www.aperigging.com "watch an installation" link.

Ⓑ
User provided 3/4" schedule 40 steel Pipe, 1.05" O.D.
Available at plumbing supply. This is NOT thin wall conduit.
See user prepare pipe for install @
www.aperigging.com "watch an installation" link.

Ⓒ
Tilt Traveler and Swivel Assembly
Its position on the Axial Tube sets the tilt (vertical) angle.
The Swivel sets the pan (horizontal) angle, loosen collar to turn.

Ⓓ
Two piece clamp-on Collars
They retain the position of the Tilt Traveler assembly.
Orient Collars as shown with the cap screw heads to the side.

Ⓔ
Axial Tube
This tube should not touch the cabinet when suspended.

Ⓕ
Rotation Traveler
Its position on the Transverse Tube sets the rotation
angle about the acoustic axis. Level is 0° rotation.

Ⓖ
Cabinet Bracket
Reference line on cylinders indicate the minimum length
of the Transverse Tube when installed with one end firmly
against one of the Cabinet Brackets.

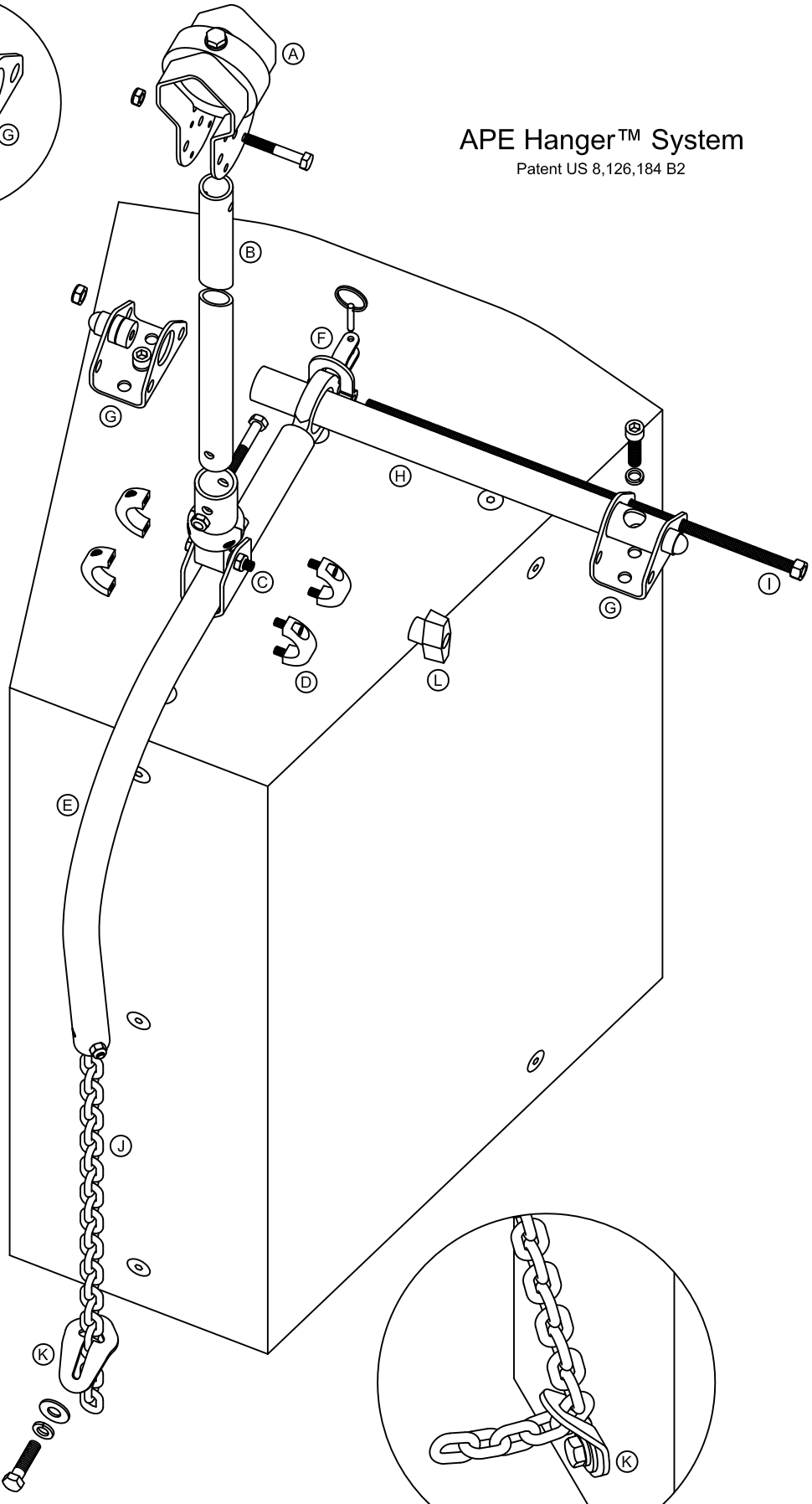
Ⓗ
Transverse Tube
A hole thru one end provides a path for the socket head
cap screw when installing the second Cabinet Bracket.

Ⓘ
Drive Screw
Adjusts the position of the Rotation Traveler.

Ⓙ
Chain (part of the Rotation Traveler assembly)
Adjust its length using component "K" to allow passage of
the Tilt Traveler assembly and Collars between the Axial
Tube and the loudspeaker cabinet.

Ⓚ
CHAIN Monkey™ adjuster/termination for 7/32" Chain
Position on Chain as described above.

Ⓛ
Accessory_Tee handle
Review the video @ www.aperigging.com
"watch an installation" link to see the application.
Attaches to the excess threads on the Tilt Traveler bolt.
Do not remove the locknut that was previously installed.



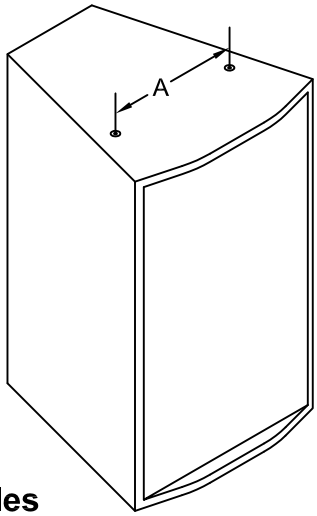
Published 4-10-14. Specifications subject to change without notice. Check website for current publications. www.aperigging.com

Advantage **P**roducts **E**nterprise, Inc.
Pro Audio rigging solutions
561-741-8126
www.**ape**rigging.com

APE Hanger™ System - CS (Cabinet Specific) for _____

Do not attempt to use this product before reading and understanding the instructions.
If you have any questions, contact A.P.E. @ 561-741-8126.

Use of this hardware involves the overhead suspension of equipment.
An overall review of your plan and method of attachment to the structure should be done by a licensed professional engineer.
The installation should only be done by qualified individuals with the knowledge and proper tools to ensure a reliable outcome.



LOAD LIMITS BASED ON DIMENSION A	
Dimension A	WLL
27"	271 pounds
26"	278 pounds
25"	290 pounds
24"	306 pounds
23"	315 pounds
22"	330 pounds
21"	343 pounds

Safety Cables

The following is not a thorough review of the proper tools, techniques and components used to product wire rope assemblies for backup suspension systems or any other purpose. Knowledge of these subjects is imperative.
This information is presented only to stress the importance of Safety Cables and offer some basic guidelines.

1. Having an adequate Factor of Safety on the primary rigging components is essential, but it may not be able to compensate for installer error or damaged components. Only an effective backup system can keep these unforeseen occurrences from turning into catastrophes.
2. Design and install safety cables as though they were going to be relied upon to protect life and/or property.
3. As with the installation of the primary suspension system, the installation of the safety cables should only be done by qualified individuals with the knowledge and proper tools to ensure an effective outcome.
4. Select a wire rope size that has a WLL (work load limit) of at least twice the load weight. The same applies to all hardware used to secure the safety cable.
5. Keep the safety cable as vertical as possible, and with the least amount of slack possible.
   More slack = more shock load = the need for stronger cable and attachments.
6. Attach the wire rope to the structure being careful to avoid sharp edges. Use softeners as needed.
7. To limit slack in the safety cable, do the following when making the speaker cabinet attachment:

- Prepare an attachment point on the upper most portion of the speaker and as centered above the speaker's CG as possible. A horizontally oriented speaker may require two attachments, one on each end, where no central rigging point is available. Alternately, a bridle can be used to provide a central rigging point.
- Extend the safety cable down from the structural attachment to the speaker and form a loop in the cable at the point where it is just long enough to be shackled to the attachment point.
- Using a felt tipped pen, mark both halves of the loop so it can be re-formed in exactly the same spot even if the cable needs to be moved to another area to apply the mechanical splice.
- Make the final connection between cable and speaker with a shackle or other load rated connector. Using this method, a safety cable with 1" of slack or less is easily produced.