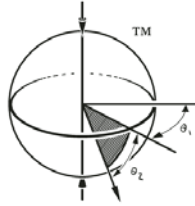


Polar[®] Focus



Audio Rigging Products

MZB-SM5

Motor Zbeam[®]

Designed for installation use, a Motor Zbeam[®] provides for infinitely adjustable manual control of pan angle on a cluster and powered control of vertical position of the cluster. The MZB-SM5 Motor Zbeam combined with a SM5 series Stagemaker* electric chain hoist (sold separately) rated for ½ ton (1100 lbs) can safely support a load of up to 2200 lbs due to the 2:1 mechanical advantage of the Motor Zbeam.

Pan angle is adjusted by turning the suspended speaker load relative to the Motor Zbeam. The pre-tensioned friction bearing holds the pan angle after you stop applying torque. The most popular suspended speaker loads are line arrays, with tilt controlled by a Spine Frame Adapter[™]. Other speaker cluster configurations are available.

The vertical position of a cluster supported by a Motor Zbeam can be controlled by a single chain hoist control pendant (also known as a pickle). No multi channel hoist controller or second hoist is required for a Motor Zbeam installation.

The top most point on the Motor Zbeam is used as an emergency service pick in case a chain hoist needs to be swapped out. It also is used as a speaker signal cable tie off. Tying off the speaker cable to the service pick prevents the cable from applying a torque to the cluster.

* Motor Zbeam[®] pulleys can be produced for chain hoists other than Stagemaker when a customer provides a sample of the chain from the hoist.



Figure 1. An MZB-SM5 Motor Zbeam fastened to a PY fitting at the bottom via an axle kit.

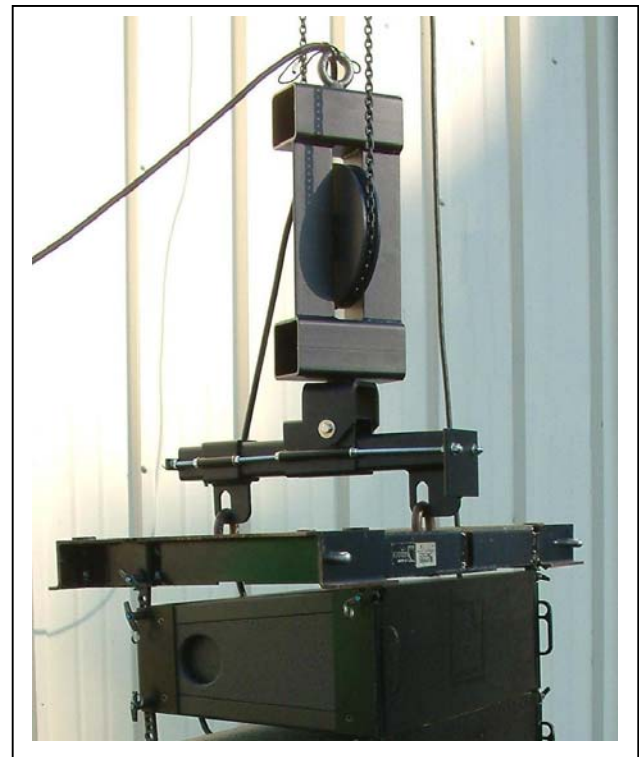


Figure 2. An MZB-SM5 Motor Zbeam with Spine Frame Adapter[™] supporting a line array providing fast pan and tilt control for a serviceable cluster.



Architectural Specification:

The rigging suspension and aiming device shall have pan control of the suspended load, with a pulley allowing a single chain hoist to raise and lower the load. The pulley shall be 10" in diameter. The pan control shall retain a set pan angle through the use of a rated friction bearing. The device shall have a service eye at the top center position to allow for suspending the load while the chain hoist is removed. The rigging suspension and aiming device shall have a design factor of 10:1 with a Working Load Limit of 2200 lbs. The rigging suspension and aiming device shall be the Polar Focus MZB-SM05 Motor Zbeam.

- Overall Length: 10" (254mm)
- Overall Height: 23-1/16" (586mm)
- Overall Width: 8-1/4" (210mm)
- Weight: 48 lbs (22.7 kg)
- Primary Material: Structural Steel
- Finish: Black Powder Coat and pulley (MZB-SM5-B), or White Powder Coat and pulley (MZB-SM5-W)
- WLL: 2200 lbs (1000 kg) with a 10:1 design factor

