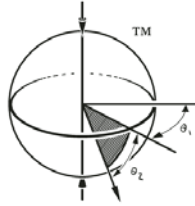


Polar[®] Focus



Audio Rigging Products

MZB-SM10

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-SM10 Motor Zbeam combined with a SM10 series Stagemaker* electric chain hoist (sold separately) rated for 1 ton (2200 lbs) can safely support a load of up to 4400 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-SM10 Motor Zbeam fastened to a PY fitting at the bottom via an axle kit.



Figure 2. An MZB-SM10 Motor Zbeam supporting a large line array cluster with subs 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 4400 lbs. The rigging suspension and aiming device shall be the Polar Focus MZB-SM10 Motor Zbeam.

Overall Length: 10" (254mm)

Overall Height: 25-3/16" (640mm)

Overall width: 7" (178mm)

Weight: 57 lbs (25.8 kg)

Primary Material: Structural Steel

Finish: Black Powder Coat/Black Nylon
(MZB-SM10-B)

White Powder Coat/White Nylon
(MZB-SM10-W)

WLL: 4400 lbs (2000 kg)

