Polar® Focus™

Audio Rigging Products

Adjustable Tilt Cable Kit

Figure 1. A Tilt Cable Kit suspending a speaker from a Zbeam®. Zbeam® not included.

The Adjustable Tilt Cable Kit is a companion to the Zbeam® or XY Grid™, providing rapid tilt control for loudspeakers suspended by these rigging devices. The Adjustable Tilt Cable Kit also provides rapid tilt control to speakers suspended under normal architectural steel beams. Structural support is provided by the two fixed length 3/16" galvanized wire rope assemblies with a Working Load limit (WLL) of 420 pounds (190 kg) each. The ratcheting action of the Clutch Lock allows for tilt adjustments to be completed in just seconds per loudspeaker. The Clutch Lock feeds excess cable from the coil through the pulley, and then locks the speaker into position. Four standard size Adjustable Tilt Cable Kits are available. Custom cable lengths are also available.

A standard three point Adjustable Tilt Cable Kit contains all the needed hardware to connect from a Zbeam®, XY Grid™ or beam clamps down to meet your eyebolts or other speaker rigging points. The Working Load Limit of an Adjustable Tilt Cable Kit is 250 pounds (113 kg). Contact your distributor or sales representative for assistance in determining the correct kit parts for your specific application.

Model Numbers:	Description:
TCK-010	10" Tilt Cable Kit
TCK-014	14" Tilt Cable Kit
TCK-018	18" Tilt Cable Kit
TCK-022	22" Tilt Cable Kit

Contents of Standard Adjustable Tilt Cable Kit:

- Two 3/16" fixed length wire rope assemblies (10", 14", 18" or 22")
- One 1/8" adjustable wire rope assembly (120") with swivel snatch block and a ratcheting Clutch Lock
- Five 5/16" Crosby shackles
- Five cable ties to safety shackles

Architectural Specification:

The loudspeaker shall be suspended by a wire rope bridle system providing analog tilt control. The wire rope bridle system shall consist of 3/16" galvanized wire rope assemblies with a working load limit of 420 lbs each with a 10:1 design factor, and a 1/8" galvanized wire rope 2:1 adjustable pulley set with clutch lock providing analog control over speaker tilt. The wire rope bridle system shall provide tilt control for the loudspeaker with an adjustment range of +/- 10° from the loudspeaker's specified tilt angle. The wire rope bridle system shall be the Tilt Cable Kit.

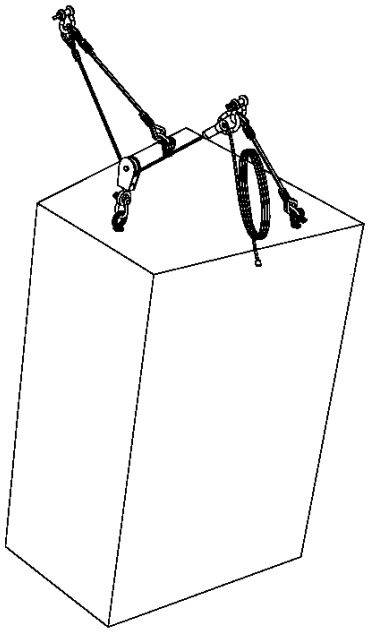

Figure 2. A Tilt Cable Kit suspending a speaker in a shallow tilt configuration.

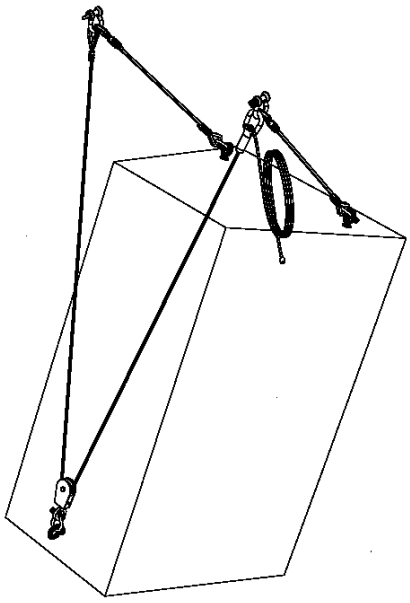

Figure 3. A Tilt Cable Kit suspending a speaker in a medium tilt configuration.

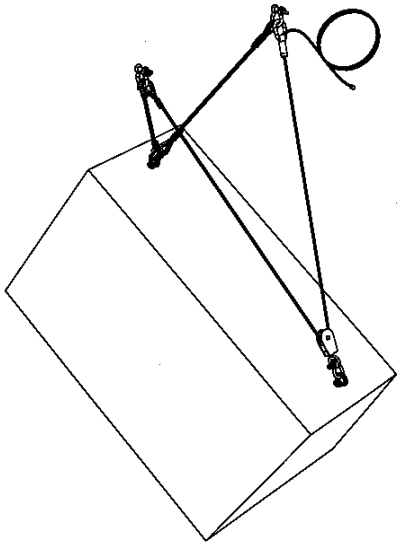

Figure 4. A Tilt Cable Kit suspending a speaker in a steep tilt configuration.

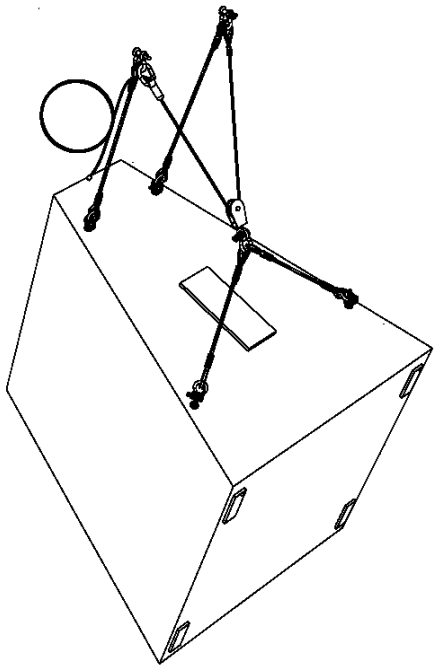

Figure 5. A Tilt Cable Kit suspending a four point speaker.