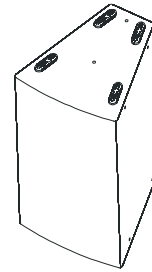




# STKIT Seat Track Kit

## **Seat Track Kit for Community Loudspeakers**

The STKIT Seat Track Kit is designed for use with Community loudspeakers that are fitted with either M10 or 3/8-16 threaded rigging fittings. The kit provides a safe and convenient means of suspending a single enclosure. By purchasing multiple kits, one enclosure may be safely suspended over another.



Both M10 *Metric* and 3/8-16 *Unified Course* (UNC) threaded fasteners are included with each STKIT. Because these fasteners have nearly identical threads, it is critically important that you identify which thread type is used in your particular enclosure. All Community products that utilize these rigging fittings, at the time of this publication, are listed below and the type of threaded fastener that they require is noted.



**Important Note:** The Working Load Limit (WLL) and safety factor of each rigging point on Community loudspeaker enclosures vary with the enclosure model. Such ratings are listed below. Please refer to the individual Owner's Manuals for important additional information.

Loudspeaker Series	Thread Type	WLL Per Point
CPL Series (CPL42/43/46/51/55 only)	3/8-16 <i>Unified Course</i>	150 lbs (15:1)
XLTE Series	3/8-16 <i>Unified Course</i>	150 lbs (15:1)
Solutions Series	3/8-16 <i>Unified Course</i>	300 lbs (20:1)
iBOX Series	M10 <i>Metric</i>	150 lbs (15:1)

All parts in the kit are engineered to provide a high margin of safety. Each Seat Track Channel is load rated at 350 lbs with a 15:1 Safety Factor. The channels are manufactured of milled aluminum and are anodized black.

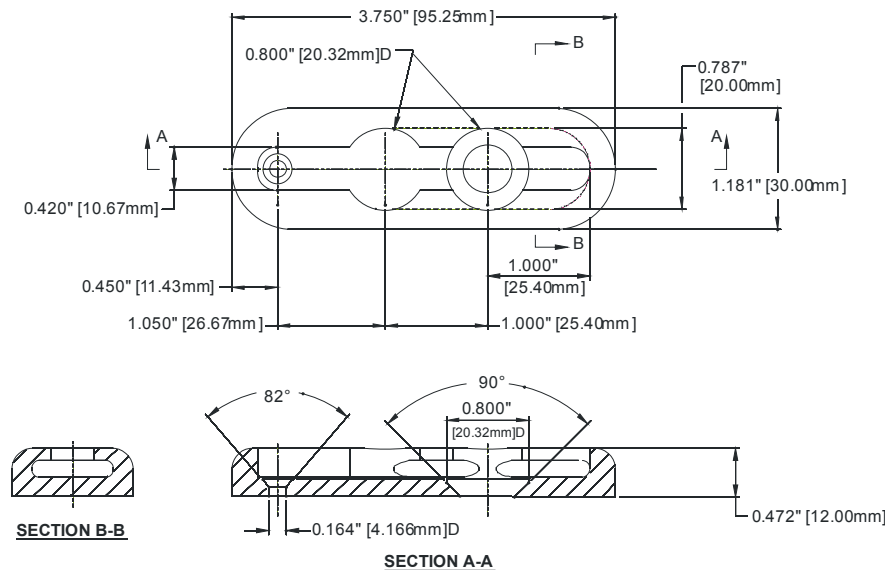
No hardware is provided to attach to the fittings in the Seat Track Kit. Such hardware must be supplied by the installer, and should be rated for the weight load of the enclosure(s). If multiple enclosures are suspended one above the other, it is the installer's responsibility to insure that the combined weight load does not exceed the Working Load Limit on any one rigging fitting (see table above for load limits). This is particularly important if the enclosures are angled downward, as most or all of the weight may be supported by the rear points only.

Hardware fittings that mate with the Seat Track Channel are available from numerous entertainment rigging suppliers. The installer is solely responsible for determining if all rigging components that are used to suspend the enclosure(s) are adequately sized and rated, and if the structure they are suspended from is capable of safely supporting the weight load of the enclosure(s).

## **STKIT Parts List**

- Seat Track Channels (4)
  - 8 x 1" Flathead Phillips Drive Deep Thread Screws (4)
  - M10 x 40mm Flathead Allen Drive Screws (4)
  - 3/8-16 x 1.5" UNC Flathead Allen Drive Screws (4)
- The installer must supply all other hardware for the installation.*

## **Seat Track Channel Dimensions**



**SEAT TRACK CHANNEL - 4 PIECES**

## **Assembly Instructions**



**Caution** - Before assembling the Seat Track Channels to the loudspeaker enclosure, note that the kit is supplied with both 3/8-16 *Unified Course* and 10mm *Metric* fasteners. These fasteners are very similar but they are NOT identical. It is critically important that you use fasteners with the proper thread pitch. If you're not sure which fasteners are installed in your enclosure, you can identify the thread pitch by comparing the fasteners supplied in the kit to those of the factory installed Allen drive flathead screws. By placing the shank of one fastener alongside another, you can determine if they are identical or merely similar. Fasteners that are identical will nest closely together and you *will not* see any light between the adjacent threads. Those that are not identical will not nest as closely, and you *will* see light between the adjacent threads.

1. To assemble the Seat Track Channel to the loudspeaker enclosure, first remove the factory supplied flat-head Allen screws from the top of the enclosure. Carefully compare the thread pitch of one of the Allen screws to the fasteners supplied with the kit, as described above.

2. Next, place a Seat Track Channel over each rigging fitting in the enclosure. Orient the Seat Track Channel so that it is not overhanging the edges of the enclosure, and align it so that it's parallel to the enclosure side (see diagrams on next page). Using a fastener with the proper thread pitch, thread each fastener into the rigging fitting in the enclosure until it is finger-tight. If a fastener does not thread easily into the fitting in the enclosure, it may be of the wrong thread pitch. Do NOT force it with a wrench! Check the threads again to make sure they are correct.



**Danger** - Use of the wrong threaded fastener will result in thread failure under load, which can cause damage to property, serious injury, or death.

3. Tighten each fastener to a torque of 15 foot-lbs using a torque wrench. Do not overtighten.

**Note:** Allen wrenches with 3/8" and 1/2" socket fittings, designed to attach to a ratchet or torque wrench, are readily available at tool stores.

4. Now, using an electric screwdriver, insert one 8 x 1" flathead Phillips drive screw into each of the small holes in the Seat Track Channels. Tighten until snug. Be careful not to overtighten, as the screw will break under too much torque. The purpose of these smaller screws is only to keep the Seat Track Channel from rotating under load.

5. After attaching appropriate mating hardware to the Seat Track Channels, you can now lift the enclosure a foot or two off the ground. Check to make sure all fasteners are tightened securely, and then bring the enclosure to trim height.

### Using More Than One Enclosure

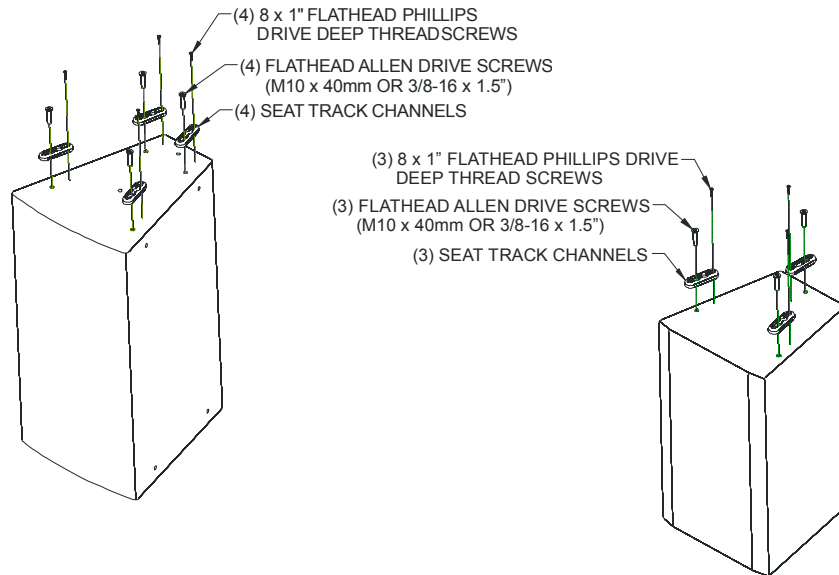
Additional Seat Track Kits may be used to suspend one enclosure over another. This is accomplished by attaching one set of Seat Track Channels to the bottom of the upper enclosure, and a second set of Seat Track Channels to the top of the lower enclosure.

The two enclosures may then be joined together by using various hardware fittings that mate to the Seat Track Channels. Such hardware includes swivel fittings, tandem swivel fittings, and other mating devices that are readily available from theatrical rigging suppliers.



**Caution** - Be sure that all mating hardware used to suspend the enclosure(s) is specifically rated for overhead use and capable of supporting the weight load of the enclosure(s) with an adequate Safety Factor. Some hardware fittings are NOT rated for overhead use, but look very similar to those that are. Check with the manufacturer or supplier to be sure.

## **STKIT Assembly**



**IMPORTANT SAFETY WARNING:** The STKIT Seat Track Kit is supplied with both 3/8-16 *Unified Course* and 10mm *Metric* fasteners. These fasteners are very similar but they are NOT identical. It is critically important that you use the proper fasteners. If you are not sure which fasteners are installed in your enclosure, you can identify the thread pitch by comparing the fasteners supplied in the kit to those of the factory installed Allen drive flathead screws. By placing one fastener alongside another, you can identify if they are identical or merely similar. Fasteners that are identical will nest closely together, and you *cannot* see light between the adjacent threads. Those that are not identical will not nest as closely, and you *will* see light between the adjacent threads. **Use of fasteners with incorrect thread pitch could result in serious harm, injury or death, because the threads will not hold securely under load. Installation of loudspeakers should only be performed by trained and qualified personnel. It is strongly recommended that a licensed and certified professional structural engineer approve all rigging designs.**



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