

## Recommended fasteners for Aircraft and Lift-A-Deck II Track

The following document contains the fasteners Ancra International LLC recommends for use with aircraft style seat track (including Lift-A-Deck II track). Ancra track part numbers include, but are not limited to, 40467 series heavy duty track, and 49363 series flanged track.

- Rivets (mil spec): Note that manufacturers often use the government specified MS and NAS numbers directly. These numbers are NAS1921B08-\_\_ and MS20601 AD8W\_\_. (Last dash number of each varies depending on length.)
- Rivets (commercial) Cherry SSCV Monobolt rivets and SSCI-08-\_\_ (length) rivets are usually acceptable alternates to the government specifications. The Huck MGL-100 series and the Pop SD8475UG or SD8725UG rivets are equally valid selections. Check the grip length of each to be sure it is appropriate for the installation.
- Screws (mil spec): NAS 517-4 close tolerance flat head screws with a 100 degree countersink are recommended. Note that Ancra uses these screws for all load tests. Alternatively, NAS 514P428-\_\_ flat head screws, or MS24693-S\_\_ flat head screws may be used. (Last dash number of each varies depending on length.)
- Screws (commercial) Any 1/4-28 thread, 100 degree countersunk screw should work properly. Note, however, that such screws can be difficult to find as most commercial screws have an 82 degree countersink.

**Caution:** Each installation must be checked for possible galvanic corrosion. The fasteners listed above are often available in different materials, and it is essential that the fasteners be made from a material that will not galvanically corrode when in contact with aluminium. Note that stainless steel is not a good choice, particularly when the track is made from 7075-T6 alloy.

Mil-spec fasteners should be used if any of the following conditions apply, otherwise commercial fasteners are an acceptable alternate.

1. The track is installed on a FAA approved aircraft installation.
2. The track is for any military application.
3. The track will be used to attach tiedowns carrying a suspended load. This does include speaker cabinets but does **not** include decking beams or the Lift-A-Deck II system. (L-A-D II is a decking system, not a tiedown.)

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