

# General Specifications for the sanitary mounting of all pipe, conduit, or tubing:

The mounting of pipe, conduit, or tubing in sanitary locations shall be accomplished utilizing the “Food Grade Strut®” sanitary mounting system, or equivalent. Specifically, all pipe mounting fixtures shall be easy to inspect, and clean. The mounting fixtures shall be constructed of 12 ga. 304/316 stainless steel with a #4 polished finish, or better. All corners shall be rounded to a minimum radius of .375”, or larger. All cut and sheared edges shall be deburred to insure the safety of installation and sanitation personnel. Type 304 stainless steel, rolled thread U-bolts shall be used to attach pipe, conduit, or tube to the strut. For pipe sizes and loads beyond the standards listed in the Food Grade Strut® Design Guide, consult the Food Grade Strut engineering department

## When mounting pipe, conduit, or tubing to walls or other VERTICAL SURFACES:

1. “Wall Mount” Food Grade Strut®, or equivalent shall be used.
2. Sanitary Food Grade Strut® wall mount spacers shall be used to hold the strut a minimum of 1” away from wall. It is not acceptable to use pipe nipples or short pieces of tube for this purpose.
3. No flat surface shall be less than 30 degrees from horizontal.
4. Attachment to concrete walls shall be accomplished using ITW Ramset/Red Head Type 304 Stainless Steel Anchor #WW-3836 (or equivalent) with a minimum embedment of 3” (consult Food Grade Strut® Design Guide for Torque specifications).
5. Attachment to FRP covered Wood stud walls shall be accomplished using 3/8” stainless steel lag bolts with a minimum embedment of 3” in the studs.
6. Attachment to steel or aluminum clad foam board shall be accomplished with 3/8” aluminum clad foam board shall be accomplished with 3/8” stainless steel through-bolts and fender washers (consult wall manufacturer or Food Grade Strut engineering department when loads exceed bearing capability of wall, or conducive paths through insulation are not permitted).
7. Dead and live loads of pipe, conduit, tubing, and their contents shall not exceed the load capabilities of the mounting surface, mounting hardware, and wall mount strut (consult Food Grade Strut® Design Guide for allowable strut loads).
8. When mounting pipes or tubes that are subject to thermal expansion (i.e. steam pipes, c.i.p. pipes, etc.), sufficient 90 degree bends and/or expansion joints shall be used. Consult Food Grade Strut engineering department in installations where axial movement of the pipe or tube at an attachment point are unavoidable.

(continued)

## When mounting pipe, conduit, or tubing to ceiling or OVERHEAD STRUCTURE:

1. "Trapeze Mount" Food Grade Strut®, or equivalent shall be used.
2. Trapeze Mount Strut shall be installed with legs down, and pipes, conduits, or tubes mounted above the strut.
3. Trapeze Mount Strut shall be attached to the ceiling with Food Grade Strut® internally-threaded smooth Hanger Rods or ½" diameter 304 stainless steel rod that has been threaded on each end. It is not acceptable to use all-thread, covered all-thread, or to thread more than 2" of the ½" diameter 304 stainless steel rod at either end.
4. When mounting pipe, conduit, or tubing on Trapeze Mount Strut, stainless steel bidirectional lateral stays shall be installed to comply with local building codes and seismic zone.
5. When mounting pipes or tubes that are subject to thermal expansion (i.e. steam pipes, c.i.p. pipes, etc.), sufficient 90 degree bends and/or expansion joints shall be used. Consult Food Grade Strut engineering department in installations where axial movement of the pipe or tube at an attachment point are unavoidable.