

## Thread Galling and Its Prevention

The threads in stainless steel fasteners are known to sometimes gall and seize (cold-weld). It does not occur in all conditions, but when it does it can cause delays during an installation. However, if you encounter thread galling and cold-welding, there are ways described below to prevent it from occurring.

### What is Thread Galling and Cold-Welding?

Cold-welding is the seizing of the threads between a nut and bolt during fastening as the heat and pressure between the threads build to a point that the surface oxides break off and cumulatively clog together.

### How Can Thread Galling Be Prevented?

- Avoid using power tools to tighten.
- Avoid applying downward pressure on the fasteners during tightening
- Prevent the fasteners from get hot, like setting in direct sunlight on hot days, prior to installation
- If necessary, apply a dab of Burndy PENETROX A Oxide-Inhibiting Joint Compound to the threads

