



PRECISION MAINTENANCE SKILLS TRAINING

FASTENERS INTEGRITY & HIGH PRESSURE BOLT-UPS

ROTATING EQUIPMENT, PIPING AND VESSEL FLANGES,
AND STRUCTURAL STEEL

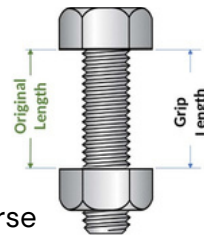


BEAUMONT, TX | AUGUST 14, 2025

For many years, fastener integrity has taken a back seat to more visible and what some consider more important issues, such as pumping efficiency, production maximization, or minimizing time to repair to name a few. Fastener Integrity has long been considered a labor-intensive task that can be assigned to the less experienced mechanic or laborer. It only takes one failure to wipe out the advantage of the many that were done correctly. Lack of fastener integrity can cause disruptions in production and safety hazards at a minimum. This one-day course is dedicated to the integrity of fasteners and is the connection to safe and reliable production.

Some of the topics focused on in the class are as follows:

- Understanding Fastener Terminology and Specifications – The role played by Standards Organizations
- Fastener Charts and How to Use Them
- Safe Disassembly of Bolted Connections
- Methods to achieve correct Bolt Tension, Torque Relationship to Bolt Tension.
- Working with assemblies that have Multiple Fasteners – Flanges, Heads, etc.
- Flange Union Integrity including Gasket Technology and Correct Selection
- Bolting/Fastener Reliability – Importance of correct Thread Engagement, Proper Tensioning, Adverse Effect of Stress Risers
- The Stress Strain Curve of a Threaded Fastener and how to stay within the Margin of Error (Elastic Range)
- Safe Disassembly of Bolted Connections – Precautions that are too often overlooked



Ideal for Millwrights, Mechanics, Supervisors, Operators, Planners, Reliability Engineers, and Managers.

***Certificate Issued upon course completion**

LOCATION *Venue to be announced

DATES /TIMES Thursday, August 14, 2025
7:30 AM - 4:30 PM (CST)

COST \$ 695.00/ per seat

*Light Breakfast & Full Lunch provided daily

REGISTER / QUESTIONS CONTACT:

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www.PrecisionMaintenance.com