

PD577

Bolted Joint Assembly Principles per ASME PCC-1 – 2019

Day One

- The role of standards and the value of certification
- Principles of bolting
- Principles of Joint Reliability – Flanges, Fasteners and Gaskets
- Principles of Torque Tightening
- Principles of Tensioning (methods and tools)

Day Two

- Dealing with corrosion
- Planning your work and working your plan
- Safety – first, last and always!
- Bolting sequence, patterns and interaction
- Multiple point torqueing/tensioning
- Set up and familiarity with tools – safety in the shop
- Practical application of the principles learned
 - Alignment and sequencing
 - Gasket installation
 - Hydraulic torqueing and disassembly
 - Hydraulic tensioning and disassembly
 - Mechanical tensioning and disassembly
- Review and summary