

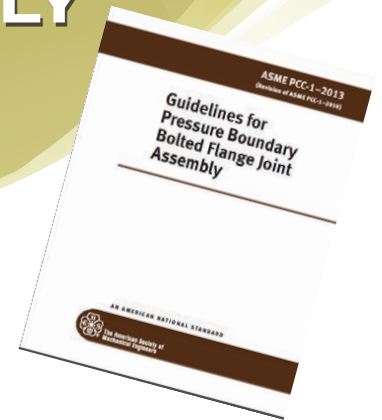
The World's Most Trusted Industrial Bolting Systems



PRINCIPLES OF BOLTED JOINT ASSEMBLY

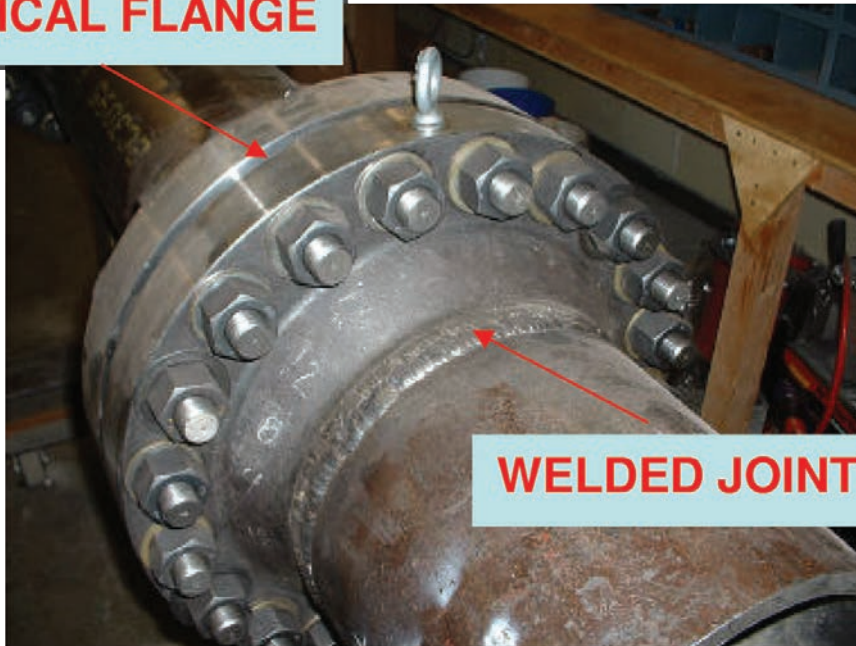
PER ASME PCC-1-2013

A TWO-DAY SHORT COURSE



WHY DO WE CERTIFY WELDERS...

CRITICAL FLANGE



WELDED JOINT

BUT REQUIRE NO PROOF OF EXPERIENCE OR TRAINING FOR TIGHTENING BOLTED FLANGES?

**IT'S NOT ENOUGH TO GET IT TIGHT...
YOU HAVE TO DO IT RIGHT!
AND YOU HAVE TO PROVE IT!**

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A new edition of the “Guidelines for Pressure Boundary Bolted Flange Joint Assembly” has now been published. Learn about the new options and the new possibilities first hand.

FOR THE FIRST TIME, A BOLTING COURSE THAT CONCENTRATES ON THE PRACTICAL PROBLEMS OF BOLTED JOINT ASSEMBLY...

HANDS-ON EXPERIENCE



NOT JUST TALK!

IN THIS COURSE YOU WILL LEARN:

- Principles of joint design and reliability
- The “nuts and bolts” of nuts and bolts
- The concept of “load” as a bolting goal
- New ways to accomplish “load” (torquing and tensioning)
- Factors affecting proper “load” and how to compensate for problems
- Proper selection and installation of gaskets
- Familiarization with bolting tools of all types
- Advantages and disadvantages of various bolting methods, and where to use what
- Assembly procedures (bolting patterns, incremental tightening, etc.)
- Work planning and preparation (tools, hardware, bolting plan, safety checklists, etc.)

The course is a combination of “classroom” interactive instruction with hands-on operation of the latest in bolting tools and methods. Get ahead of the crowd. Bolting certification training will soon be a part of the ASME PCC-1 AND EN-1591-4 standards. This course supports the coming requirements.

Register Online at:

<http://www.asme.org/products/courses/bolted-joint-assembly-principles-for-pcc-2013>
COURSE NUMBER PD577