

# 10 steps to a secure bolted joint

## Seminar description

Final assembly of complete products and complex modules represents the end of a process chain. All influences, errors and inaccuracies that flow into the process accumulate in the final assembly. To avoid the potential problems that can emerge from these highly complex interrelationships, an integrated systems approach should be followed. This seminar will address the most important steps for a secure bolted joint. Participants will learn step-by-step how to check their bolting processes for completeness.

## Seminar content

- Review of the assembly instructions
- Inspection of the fasteners
- Use of the correct tools
- Individual test plan setup
- Calibration of hand torque wrenches and hand wrenches with rotation angle measurement, certification of screwdrivers and wrenches
- Performance of sample inspections
- Definition of process assurance parameters
- Standardization of test methods, drafting of individual documentation
- User training
- Ensuring an independent test

## Goals

Participants will be capable of checking the existing methods for monitoring joining processes for completeness.

## Target group

Planners, process and quality officers

## Prerequisite for participation

None

## Duration

1 day

Start at 8:30 a.m.

## Seminar number

9966B28-7 ZVS01 (at Kistler Remscheid GmbH)

This seminar can also be held on-site at your company upon request. Please inquire about dates and cost.

## Register at:

[training.de@kistler.com](mailto:training.de@kistler.com)