

Joint analysis with seating point detection in the laboratory

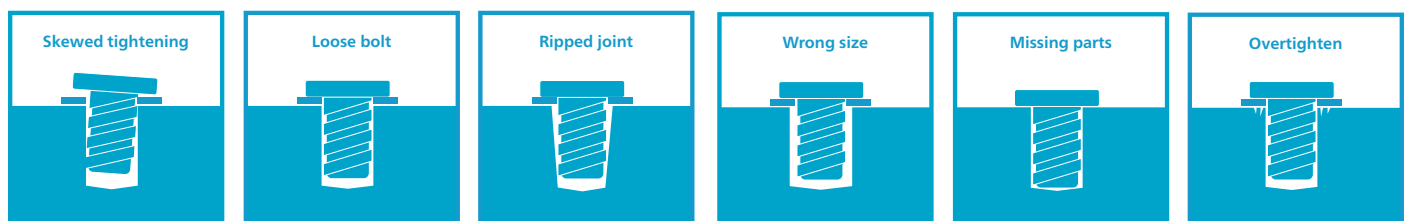


Atlas Copco

Get information about the optimal tightening parameters for your self-forming bolted joint!

The joint analysis with seating point detection provides you with information about the optimal tightening parameters for a self-forming bolted joint. Whether it is a new design, a prototype or a bolted joint in series production: Benefit from the practical analyses on your assembly components. The measurements provide you with findings about the behavior of the assembly components in a bolted joint, taking into account relevant measured variables.

Are you aware of these common problems and errors? We can turn them off!



The target is to develop the optimal tightening parameters for the investigated self-forming bolted joint and to confirm the functionality by verification measurements. Despite changing hole diameters, a stable clamping force and a bolted joint with consistent quality are ensured.

This joint analysis gives you the following advantages:

- Higher productivity
- Less rework
- Less rejects
- Higher quality
- Lower costs
- Stronger brand image

Scope of services:



1. Failure measurements

- Tightening of the joint until failure
- Digital recording of the torque/angle curves

2. Interpretation

- Evaluating of the measurement results
- Determine the new tightening parameters

3. Test and optimization

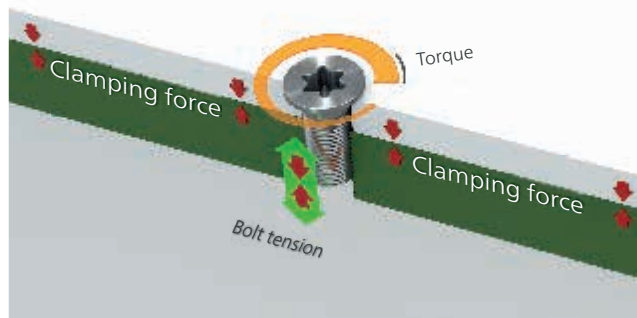
- Testing and optimizing the parameters

4. Verification

- Verification of the functionality of the tightening strategy and parameters

5. Report

- Preparation of an analysis report with tightening curves, measured value tables, tightening parameters as well as notes and conspicuous features



Suitability test of components

You would like to know, whether seating point detection is possible for your components? Send us your components for testing in our measuring and testing laboratory.

Have we captured your interest?

Then please contact our responsible service sales representative or our central service planning. We look forward to your inquiry!

Central service planning

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contact.po@atlascope.com

Order numbers

| Description | Order number |
|---|--------------|
| Suitability testing of components in the laboratory | 8990 3701 60 |
| Joint analysis with seating point detection | 8990 3701 70 |

