

# Bolted Joint and Fastener Analysis

Sensor Products Inc. can assist you in the resolution of structural integrity problems relating to joints containing threaded and other types of fasteners.

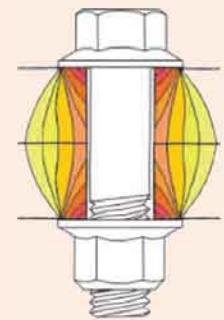
By having extensively researched the subject and by keeping up to date with the published literature, we can offer state of the art solutions to your fastener problems. Our approach is analytically based and whenever it is feasible we quantify the issues we discuss.

Problems can often be solved more effectively with assistance from an outside organisation offering a fresh and unbiased view combined with extensive experience of solving similar problems across a range of industries.



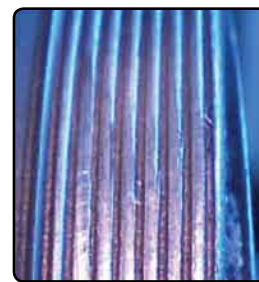
## OUR SERVICES INCLUDE:

- Resolution of product service and in-field problems that have fastener related issues.
- Fastener Failure Analysis (fatigue, tensile fracture, thread stripping).
- Determination of forces acting on the fasteners within a joint.
- Torque Tightening Analysis
- Gasket Leakage Problems
- Fastener size and strength requirement determination.
- Fastener loosening problems
- Fastener design problems



Compressive Stress Distribution with a Bolted Joint

We pride ourselves on communicating the resulting examination, evaluation and opinions in a concise and easy to understand manner. If you have a problem that you think that we may be able to assist you with, why not contact us for a no fee, initial consultation.



TACTILE PRESSURE EXPERTS



**Sensor Products Inc.**

300 Madison Avenue  
Madison, NJ 07940 USA  
Phone: 1.973.884.1755  
Fax: 1.973.884.1699  
info@sensorprod.com

[www.sensorprod.com](http://www.sensorprod.com)

© 2008, Sensor Products Inc.

Updated: 2.26.08