TENTEC
BOLT TIGHTENING
SOFTWARE (BTS)

Takes the complexity out of bolt tightening calculation.

Atlas Copco

TENTEC BOLT TIGHTENING SOFTWARE (BTS)

Tentec Bolt tightening software allow users to manage and rapidly calculate bolt tightening pressures. The software has been designed with the philosophy of minimal input, maximum output. Documentation for multiple bolted joint projects can be created very quickly with minimal operator input. The software package contains data for the following standard bolted flanges:-

ANSI B16.5
ANSI B16.47 Series A
MSS SP-44
API 6A
API 17SV
Vector SPO Compact Flanges
Norsok L-005

Individual Flange Documents
BTS creates the following information...

- **Recommended Tentec tensioning tool to use**
- **Recommended residual bolt stress**
- **Recommended pressures to achieve residual bolt stress.**
- **Recommended bolt lengths for use with Tentec Bolt Tensioning Tools**
- **Recommended torque values, with variable lubrication factors**
- **Gives a graphical representation of predicted bolt stress path over time.**
- **Tensioner sequence information**
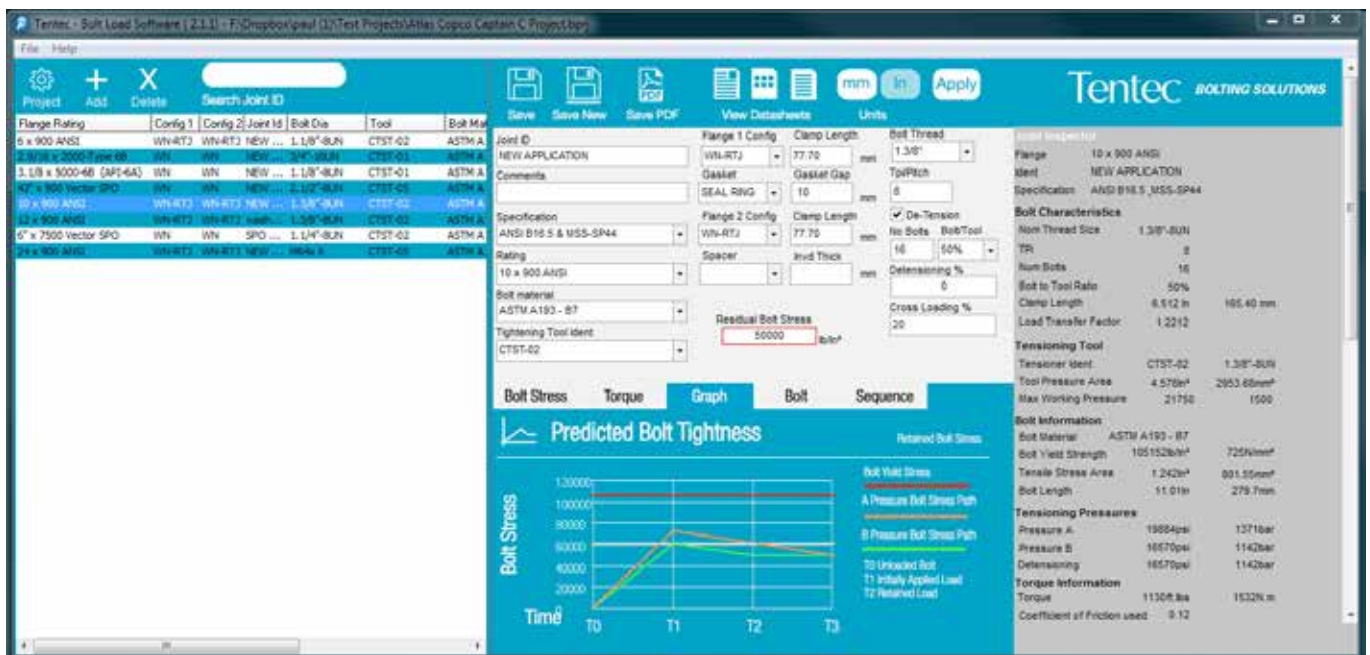
BOLT TIGHTENING SOLUTIONS

Visit
www.bolttighteningsolutions.com
To register for your free copy of Tentec BTS

Tentec BTS software contains data for all of Tentec standard tool ranges and also offers the ability to create a user definable special tools library.

Another useful feature offered by the software is "Manual Mode", here the user can define a special bolted joint that is not a standard flanged joint. The software can handle both special "Blind Threaded" bolted joints as well as the conventional "Through Bolt" type joints.

The software is ideal for use by bolt tightening service companies who have to submit bolted joint tensioner data sheets to their customers. The output documentation can be easily re-branded to display the service companies name and logo.

The documentation package that the software produces consists of a summary sheet which provides an overall list and core information of all applications covered in the project and individual detailed application sheets for every single joint contained in the project.

BTS software predicts the bolt tightness load path

BOLT TIGHTENING SOLUTIONS

Why Use BTS Software?

Bolt Management
build up and manage a "project" of multiple different bolted joints on your plant

Pre-Defined Bolted Joints
BTS software contains bolt tightening data for 1000's of standard flange configurations
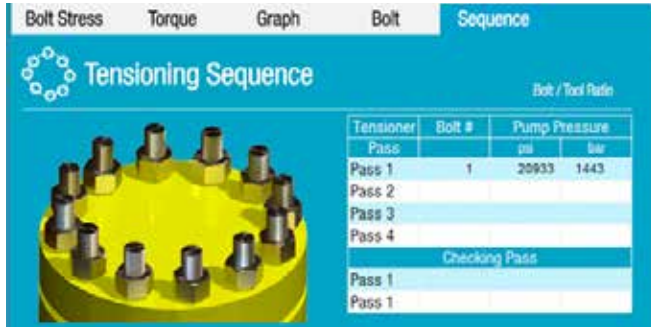
Bolting Documentation
Quickly create bolting documentation which gives all the information tensioning technicians need to complete the job

TORQUE OR TENSION

The software calculates both bolt torque and bolt load. Bolt tightness can be defined as..

- Bolt Load
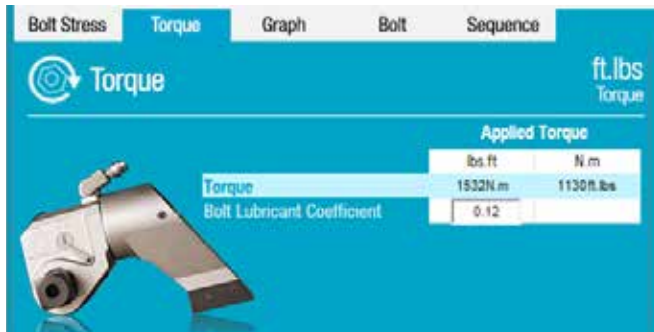- Bolt Stress
- Torque
- % Bolt Strength

BTS TAKES THE COMPLEXITY OUT OF BOLT TIGHTENING CALCULATION.

Tensioning sequence information.

Bolt Stress window, displays bolt stress, bolt load and % of bolt yield.

Torque window, displays torque and defines coefficient of friction

Load Graph window, displays bolt stress over a 3 stage time period

TENTEC BOLT TIGHTENING SOLUTIONS

ISO 14001   BS OHSAS 18001   ISO 9001

COMMITTED TO SUSTAINABLE PRODUCTIVITY

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