

DTIs

- **Verifies correct tension for secure joints**
- **Load achieved regardless of bolt condition, torque applied**
- **Simple to install and inspect – no special training**

Torque does not equal bolt load.

You can apply a tremendous amount of torque and have no idea the actual resulting bolt load. One way to measure bolt load is with an ultrasonic extensometer. It's expensive. It takes a highly qualified operator to use – and they are hard to find. You can't use it in areas needing a hot work permit. There is an easier, faster, smarter and less expensive way to measure your bolt load... on every single bolt you install.... every single time.

The Direct Tension Indicator (DTI) is a patented load-measuring device with protrusions on one face designed to help prevent leaks and eliminate fugitive emissions. It is placed under the bolt head or

nut, and the protrusions create a gap. As the bolt is tensioned, the clamping force flattens the protrusions, reducing the gap. Use the included "go/no-go" feeler gauge to insure that the specified bolt tension is achieved.

FASTORQ's DTIs retain their accuracy regardless of their surface condition during tightening: oiled, coated or even rusted. Permanent load verification to +/- 2% of bolt load. DTIs provide absolute assurance that bolts are properly loaded. They reduce inspection costs and effort because the proof of proper load is right there for all to see! Customized DTIs are available.



- **Helps eliminate fugitive emissions**
- **Includes "go/no go" feeler gauge to ensure specified bolt tension**
- **Accurate regardless of surface condition**
- **Easier and less expensive than an ultrasonic extensometer**
- **Finalist in the Offshore Technology Conference/American Society of Mechanical Engineers' Award for Best Mechanical Engineering**

