ZipTENSIONER

Stud Tensioner

- **Subsea, nuclear & wind applications**
- **Cuts job time up to 90%**
- **Fastest tensioning available**
- **100% same side flange coverage**
- **Compact & lightweight**
- **Revolutionary ZipNut® Technology**

Fastest tensioner in the industry!

In an industry where joint and bolt-load problems cause leaks and leave headaches as consolation prizes, it's time to stop accepting the norm and adopt the only stud tensioner that stops leaks and reduces job time by up to 90 percent - FASTORQ's revolutionary ZipTENSIONER.

The one-piece design provides 100-percent coverage on the same side of the flange and simultaneous tension of multiple fasteners. By evenly loading on all fasteners in the joint, ZipTENSIONERs eliminate elastic interactions (cross talk), provide uniform bolt load and achieve leak-free joints.

The ZipTENSIONER works by incorporating FASTORQ's own patented and innovative ZipNut Double-Zip Technology, which uses spring-loaded thread segments to allow the tensioner to easily slide on and off protruding stud threads without twisting or turning.

This technology eliminates worries about stud condition such as rust, corrosion and damaged threads. Conventional stud tensioners cannot make this claim since they assemble on the bolts by threading puller nuts onto fasteners. Thread condition is detrimental for their ability to work properly, but not with ZipTENSIONER.

Meeting today's industry challenges.

As with any subsea project, time spent working underwater is costly. Finding an incredibly fast and effective subsea tensioner can save hundreds of thousands of dollars with just one use.

FASTORQ's ZipTENSIONER has already met this challenge where others are still floundering at sea.

Six strakes needed installation onto spars in about 300 feet of water. To stop the current from hitting the spar, the strakes needed to be bolted in place without the use of a diver.

With the use of a FASTORQ Double-Zip ZipTENSIONER and an ROV, the difficult mission was accomplished quickly and safely. This was possible due to FASTORQ's fully automated ZipTENSIONER system that tensions bolts without human intervention.

In another application, a channel head cover on a shell and tube heat exchanger at a Hydrocracker unit would not stop leaking. After 14 hours of preloading 28, 2-1/2-inch bolts with a hydraulic torque wrench, the flange leaked during the hydrostatic test and required four to six additional hours to stop.

The solution was using tension rather than torque. In less than an hour from start to finish, the ZipTENSIONER fixed the leak problem and passed the hydrostatic test.

Applications and specifications

The ZipTENSIONER is customizable and a great option for all industries in need of improved stud-tensioning speed, such as offshore, nuclear, petrochemical, steel and mining.

A great choice for subsea applications, the ZipTENSIONER is ROV and diver compatible and can be specially fitted through a hydraulic release mechanism and hydraulic motor

Total Assurance Guarantee 3 Year

driven nut rotator.

FASTORQ's ZipTENSIONER is customizeable for especially challenging jobs and can be manufactured to accommodate bolt size and thread pitch.

Even the U.S. Navy has used the stellar technology of FASTORQ ZipTENSIONERs. Nimitz-class nuclear carriers have manways that must be removed to refuel the reactor, but unfortunately there is very limited access for humans around the manways. FASTORQ helped the U.S. Navy solve their dilemma with a F.A.S.T (Fully Automated Stud Tensioner) unit, which loosened and tightened the bolts in the flange without human intervention. With FASTORQ's innovative ZipTENSIONERs, the U.S. Navy could get back to the business of being a "Global Force For Good."

All parts are durable, provide corrosion protection and come with FASTORQ's 3-Year Total Assurance Guarantee and Warranty Extension Program. For complete warranty details, please see page 29.

ZipTENSIONER is perfect for subsea and ROV applications.

Eliminate threading with the slide-on/slide-off motion.