

Torque and Tension Systems for the

GAS INDUSTRY

GAS TURBINE BOLTING OPTIMIZATION

with HYTORC Smart-Stud™ & HYTORC Nut™ Technology



24 Hour SERVICE

800-FOR-HYTORC

www.hytorc.com

HYTORC®
Since 1968

333 RT. 17 N. MAHWAH, NJ 07430

The HYTORC NUT™ is a perfect solution for limited radius applications.

COMBUSTOR INNER CASING



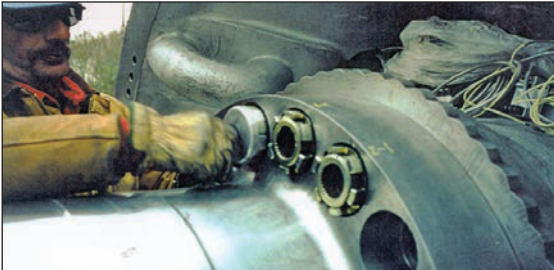
501G COMBUSTOR CASING PORTAL BOLTS



501F TURBINE SHELL HORIZONTAL FLANGE



LOAD COUPLINGS



V8400 TURBINE HJ



Applications set into a pocket or a counter bore situation pose a problem with conventional tooling. Standard drive extensions and machined down accessories compromise the safety of the operator! The design and the mechanics of the HYTORC Nut™ allows positioning of the torque wrench away from the conflict area!

4 TYPES OF HYTORC NUT™

The HYTORC NUT™ is the highest level of bolting optimization. By replacing the nut with one that turns in itself at a known friction, with no side load or torsion, bolt stretching to the desired bolt load has become reality. For all critical applications and the ultimate in peace of mind!



The CN line offers users the speed of regular torque with unmatched repeatability and precision.

TN Series Clamps combine durability, efficiency & the ability to fit in tight spaces.

The SN Series clamp line covers a wide range of sizes and applications, specified to overcome tight overhead restrictions.

The Smart Stud's compact geometry makes it a suitable replacement for any fastener regardless of load or temperature.



1 TRADITIONAL TORQUE

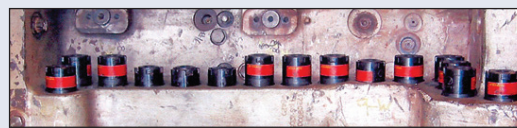
Traditional torque can be applied with a standard reaction arm or custom reaction fixtures.

2 HANDS-FREE TORQUE

Safe, accurate and hands-free; adding the HYTORC Washer™ under your hex nut eliminates the need for reaction arms and backup wrenches.

3 LOAD ACCURATE TENSION

The HYTORC Nut™ replaces traditional hex nuts for the highest level of load accuracy available today. Achieve straight-pull tensioning without hand torquing, applying heat or taking measurements.



COMPLETE HORIZONTAL SHELL

Average Time to stretch each bolt to the desired Load Compression:

2 min. 54 sec.

SMALL GAS TURBINE HJ AND VJ

