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

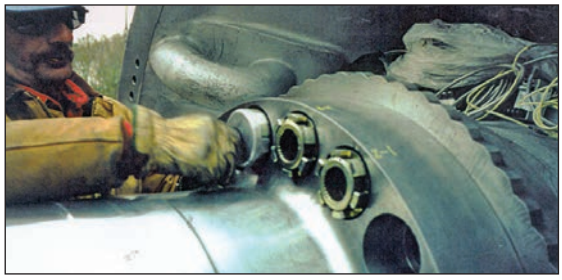
The HYTORC NUT™ is a perfect solution for limited radius applications.

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!

CN-PRIMARY REPLACEMENT NUT	TN-COMPACT STYLE REPLACEMENT NUT	SN-LIMITED OVERHEAD CLEARANCE REPLACEMENT NUT	SS-HIGH TEMP/HIGH LOAD REPLACEMENT NUT
			
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

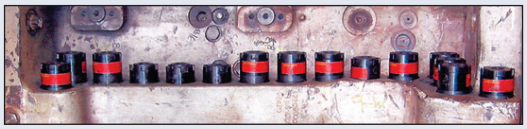
Traditional torque can be applied with a standard reaction arm or custom reaction fixtures.

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. Acheive 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