

Bolting jobs done faster, safer, simpler

HYTORC

Imagine opening the plastic wrap on your popcorn and watching it pop to life in a split second or making instant ice cubes with the touch of a button on your freezer. It will happen one day, but for now we stand at the microwave for what seems like an eternity waiting for the pops to end and we continue to find empty freezer trays on the hottest day of the year. If you knew there was something you could do about it now, you wouldn't think twice. However, every day plants are using dangerous bolting methods, with often-unreliable results, that put the plant at risk for an unscheduled shutdown. The technology to end this problem is available right now and it requires nothing more than a simple washer under every hex nut.

The bolt load variance on all nuts of a joint using the HYTORC Washer™ was within 10 percent.

HYTORC, a New Jersey corporation in the bolting tool business for more than 40 years, is continually developing new torque and tension systems for industrial bolting that make jobs safer and simpler. Its most impressive system is in the form of a simple hexagonal washer that has been proved to completely eliminate joint failure while increasing worker safety and dramatically reducing assembly and disassembly time.

To put the significance of this system in perspective, in multiple tests conducted by independent testing agencies, the bolt load variance on all nuts of a joint using the HYTORC Washer™ was within 10 percent, while the next closest bolting method was only able to achieve load within 35 percent. This includes hydraulic tensioners, induction heating systems and even standard hydraulic torque wrenches with reaction arms. The tremendous accuracy and consistency in bolt load is what assures a failure free joint that will not leak or loosen, even with consistent vibration or in extreme temperatures.

How does the HYTORC Washer work? The patented process is actually quite simple. Normal operation of a hydraulic torque wrench requires a reaction arm to stop the tool from turning while the socket turns the nut. A hydraulic torque wrench used with the HYTORC Washer uses a double socket system instead of a reaction arm; the inner socket turns the nut and the outer socket holds the washer to stop the tool from turning. By eliminating reaction arms, job safety is dramatically increased.

But Leakage-Zero™ is not just achieved with even and accurate bolt load, as bolting is not the only reason for joint failure.

Therefore, HYTORC offers supervision as well as safety training for your crew or contractor during installation of its patented technology. This supervision includes inspection of flange faces, the gasket, the fasteners and tool application methods to provide a money-back Leakage-Zero Guaranty with-

out excuses. Safety, quality and schedule have become reality in industry.

For further information, contact HYTORC, Division UNEX Corp., at 333 Route 17, Mahwah, N.J. 07430, call (201) 512-9500 or e-mail info@hytorc.com.



Four HYTORC Avantis™ used hands-free on an inverted application, another benefit of using the HYTORC Washer™.



**A bolting system
SO SAFE
you're gonna need a new sign**



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**THE HYTORC WASHER™ IS JUST ONE OF
MANY HYTORC INNOVATIONS DESIGNED TO
MAKE BOLTING SAFER AND SIMPLER.**

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