

Overcoming the Effects of Hand Injuries in Heavy Industry

How HYTORC is Best Positioned to Reduce the Incidence of Hand Injuries and Save Facilities Significant Money

Industrial bolting has some inherent dangers, but many of these dangers – particularly the risk of hand injuries – could be mitigated with the use of new technologies.

It is important for manufacturing facilities, refineries and other industrial sites to prioritize the safety of their workers, both employees and contractors. Modern solutions allow for an elimination of the pinch point where hands and fingers are most likely to be injured.

Safety and Reliability for Your Bolting

HYTORC has developed extremely safe and reliable equipment you can use during the bolting process to reduce the incidence of hand injuries and cut down on costs related to productivity losses and injury claims. Using outdated equipment is both a financial and a safety risk, but fortunately you have other options.

Hand Injuries Can be Devastating in Heavy Industry

Hand injuries in bolting are unfortunately common in the world of heavy industry, and when they occur, they can be devastating.

According to the Occupational Safety and Health Administration (OSHA), approximately 27 percent of all workplace injuries occur to the fingers and hands. These figures are even more significant in heavy industry fields – statistics indicate 43 percent of all injuries in the oil and gas industry occur to the hands and fingers of workers.

The Costs of Hand Injuries

Employees who suffer hand injuries during bolting jobs often do not have a chance to react and protect themselves before the injury occurs. The results can be broken bones or even permanent mutilation and debilitating injuries.

But the costs of these injuries are not just physical. A single hand injury can cost a business between \$50,000 and \$250,000 in losses, not even taking potential lawsuits into account. A report from the U.S. Bureau of Labor Statistics indicates the average hand injury claim is worth more than \$6,000, and workers' compensation claims for lost time and wages are worth around \$7,500. These statistics take into account all types of workplace hand injuries that occur.

As such, companies that have employees or contractors that perform heavy industry bolting work frequently find themselves in a cycle of putting employees at risk and paying out high insurance premiums to protect themselves against these losses. But in doing so, they are contributing to the problem that employees' hands and fingers are still in harm's way. They need to utilize a solution that keeps hands and fingers in a safe location.

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HYTORC Technology is the Answer

HYTORC has developed a new technology in the form of the HYTORC Washer, which entirely eliminates the bolting pinch point and the need for a reaction arm on a torque wrench, as well as the need for a backup wrench on the application's backside. HYTORC Backup Washers are capable of preventing counter nut rotation with the bolt, which eliminates the need to use a backup wrench that creates a second pinch point, which in turn could potentially lead to disastrous occurrences.

In using hands-free technology, HYTORC's Washer and Backup Washer remove the main hazard of industrial bolting, and can essentially eliminate the risk of hand accidents when the technology is used correctly.

The additional safety provided by HYTORC's designs cannot be understated. The design used for the HYTORC Washer, for example, allows the double-layered safety socket to react on the washer while turning the nut, and its machined surface reduces variation in the bolt load across the entire flange for improved accuracy and loosening prevention.

In using this technology, you can provide a much safer work environment for employees and contractors while drastically reducing the amount of money lost as a result of incidents leading to injuries.

About HYTORC

Founded in 1968, Mahwah, N.J.-based HYTORC has focused on developing high-quality, safe industrial bolting systems. Steel mills, mines, refineries, power plants and other industrial facilities of all types have become reliant on HYTORC's solutions.

Today, HYTORC develops solutions for every bolting application imaginable. It has become the most trusted name in the industry, capable of taking on even unique, custom projects thanks to the work of its highly experienced engineering team.

All of our products are covered by one-year warranties, including free parts and labor. Our goal remains to provide you with hassle-free service while making your operations as safe as possible.

Contact Us

Interested in learning more about the bolting applications we provide? We encourage you to contact us so please see the information at the bottom of this page.



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