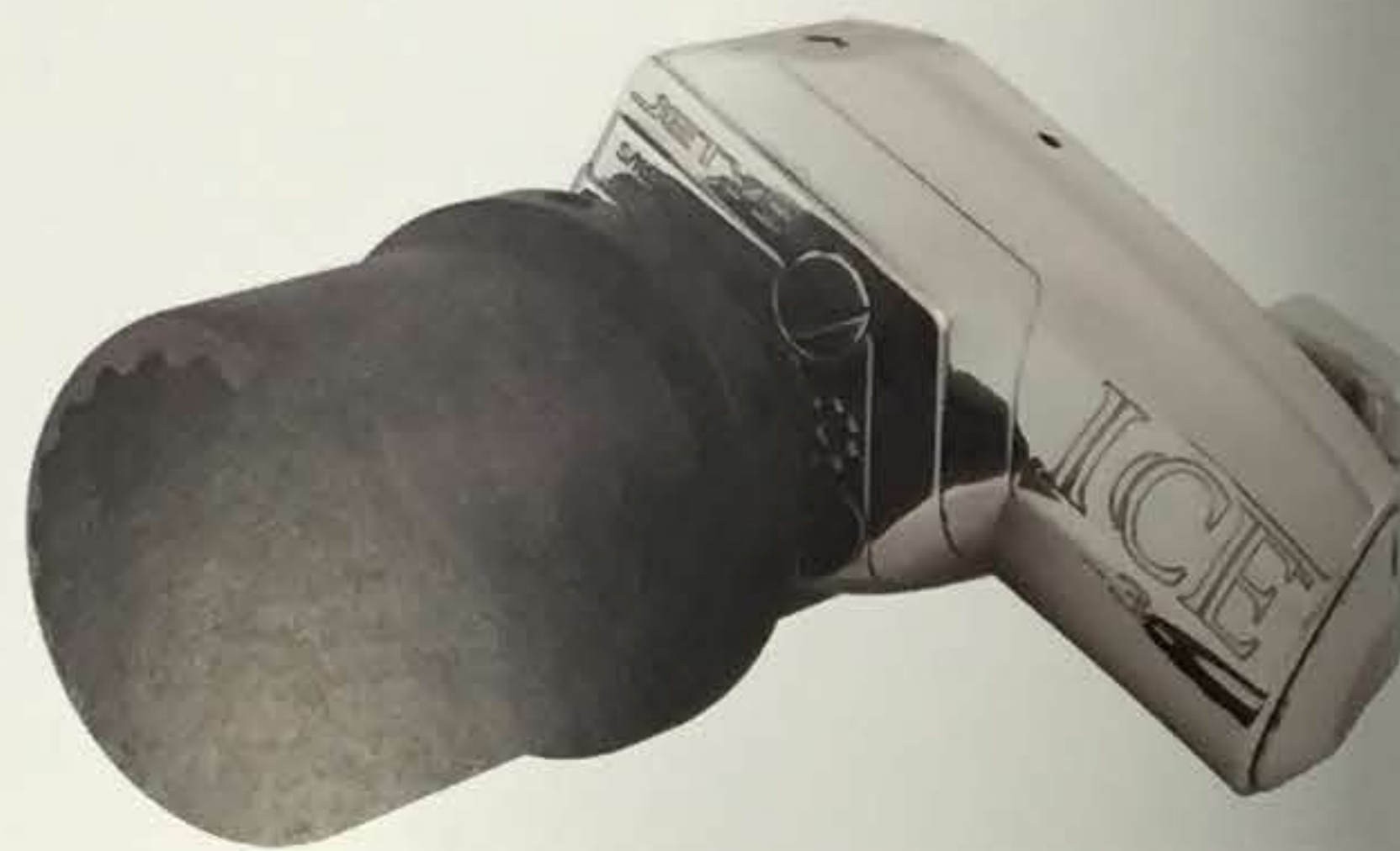


# HYTORC

## THE HYTORC WASHER™

The revolutionary HYTORC Washer can be used in place of any standard washer, adding safety, speed and accuracy to a job while increasing the lifespan of tooling. This simple and economical upgrade can be used on nearly every bolting application imaginable without changing existing bolts and nuts.

The patented HYTORC Washer works with a double-layered socket; the outer socket holds onto the washer while the inner socket turns the nut. This eliminates the reaction arm, the most common source of safety incidents on all bolting jobs. By eliminating the reaction arm, the side force that is applied is eliminated, providing a more consistent bolt load across the flange. Though many bolting system manufacturers boast about torque accuracy, the HYTORC Washer assures an even and accurate bolt load, the true measurement for joint integrity.



In addition to these benefits, the HYTORC Washer makes the bolting process more intuitive, which reduces the chance of human error. With a standard bolting system, reaction points must be considered before the job begins. This is especially problematic in scenarios where the nuts and bolts are not directly adjacent to each other, or another piece of equipment is blocking access to the nuts being turned. This can lead to challenges with tool placement, which can add danger to the job if the operator is not trained correctly. When the HYTORC Washer is used, the double-layered socket goes over the nut and washer and the tool is ready to go. Not only does this added simplicity increase job safety, it can also lead to reduced maintenance time.

## HYTORC WASHER FEATURES:

- **Increase job safety** - The elimination of external moving parts and the intuitive design of the HYTORC Washer system make it the safest bolting method in the industry.
- **Increase joint integrity** - The HYTORC Washer ensures even and accurate bolt load to eliminate joint failure and unintentional nut loosening
- **Increase tool longevity** - Other bolting systems put the reaction arm and square drive on opposite sides of the tool causing high stress in the body of the tool, which can lead to failure over time. The HYTORC Washer puts the action and reaction on the square drive axis to eliminate the majority of internal stress, and increase the lifetime of your tools.



The HYTORC Washer is currently being used around the world in plants owned by every major oil and gas company. It has also proven to be invaluable for the offshore industry, due to the increased ease of use for both remote projects and underwater applications. Unlike jobs on land, training and special accessories are not easily accessible for offshore jobs.

With a standard bolting system, if the reaction fixture does not work for the job, it could be weeks before a new one can be brought to the offshore site. When the HYTORC Washer is used, the reaction point is universal. Not only does it work on every application, it reduces the amount of training required for operators.



HYTORC IS THE WORLD'S LARGEST AND OLDEST MANUFACTURER OF INDUSTRIAL BOLTING SYSTEMS. THE INTERNATIONAL COMPANY IS FAMILY-OWNED AND OPERATED, AND HAS BEEN IN BUSINESS SINCE 1968. WITH A FOCUS ON WORLD-CLASS CUSTOMER SERVICE, THE COMPANY HAS MORE THAN 50 LOCATIONS IN THE UNITED STATES AND A COMPREHENSIVE NETWORK OF DEDICATED DISTRIBUTORS AND SERVICE CENTERS WORLDWIDE.

FOR MORE INFORMATION, VISIT [WWW.HYTORC.COM](http://WWW.HYTORC.COM).