

**We optimize your application's life cycle profitability**

We assist you in generating a detailed design view of your bolted connections and recommend the most effective solutions, along with long-term cost justification.



**We ensure the safety of your mechanical joints**

With close cooperation, standard and customized products can be designed and manufactured quickly. And together with our technically competent engineers, testing and bolted joint analyses can be done at our six technical centers located in Europe, North America and Asia.



**We provide training and installation support**

We offer on-site and remote training sessions to educate your team. This includes installation support, as well as assistance with service and retrofitting. E-learning courses, web applications and resources are also available for knowledge building.



**We focus on delivery excellence**

Our products are supplied through distribution centers in Europe, North America and Asia to our mature network of authorized partners, ensuring we are able to deliver our products anywhere in the world.



**WE ENSURE YOUR MECHANICAL PARTS STAY TOGETHER**

Nord-Lock Group has secured billions of bolted connections in millions of applications all over the world. Rely on our expertise to support you with the in-depth bolting, tensioning and pivot pin knowledge you need to complete your project successfully. From production to engineering and sales, we have a world-class team of 600 employees that is always ready to deliver.



We are the first bolt-securing partner to offer a full life cycle warranty across all its technologies. Nord-Lock Group Lifetime Warranty ensures your solution will perform as expected from the moment it is installed until the end of its intended life cycle.

Nord-Lock Group is wholly owned by Investment AB Latour, a mixed investment company quoted on the Nasdaq OMX Stockholm.

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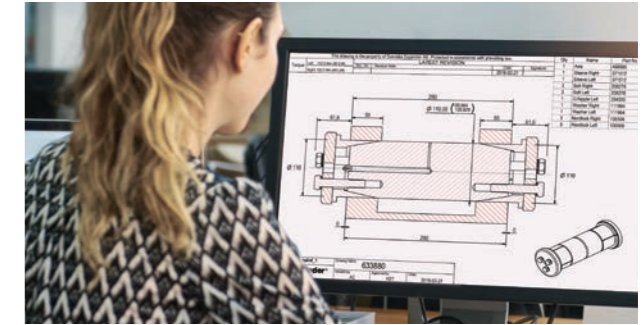
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**WHEN SAFETY REALLY MATTERS**

**OPTIMIZE YOUR INDUSTRIAL APPLICATIONS WITH SECURE BOLTING AND ENGINEERED SOLUTIONS**



**SPECIALISTS IN BOLTING, DESIGN AND ENGINEERING**

Engineering projects are complex and can encounter many difficulties that cause delays and budget problems. Our technical teams are passionate about sharing their knowledge, insights and expertise to ensure optimal long-term solutions.

We work closely with you to understand your needs, solve your problems and support your projects.

## CHALLENGE

Bolt loosening decreases operational reliability, increases maintenance costs and exposes applications to risks of unplanned production stops and accidents.

## SOLUTION

Nord-Lock wedge-locking technology prevents bolt loosening by securing bolted joints exposed to external factors, such as vibration and dynamic loads.



# NORD-LOCK™

- Utilizes tension instead of friction to secure bolted joints.
- Suitable for a wide range of application sizes and joint types.
- Withstands extreme environments with high corrosion and thermal expansion.
- Quick and easy to install and remove with hand tools.
- Products are laser marked to allow full traceability right down to the raw materials.
- Certified by DNV GL, TÜV, DIBt, EBA and Lloyd's Register.
- Products designed and manufactured in Sweden.

## CHALLENGE

Large bolts that are tensioned inaccurately decrease the efficiency of applications while increasing the cost of downtime and the risk of accidents.

## SOLUTION

Superbolt multi-jackbolt tensioning technology allows you to tighten large bolts safely and accurately using simple hand tools.



# SUPERBOLT™

- Tightens large bolts easily.
- Direct replacement for conventional nuts and bolts.
- Achieves accurate preload and prevents joint loosening, minimizing fatigue and prolonging bolt life.
- Tightens with pure tension, allowing higher preload with greater accuracy.
- Quick installation and removal, especially in confined spaces.
- Certified by TÜV and DNV GL.
- Products designed and manufactured in the United States and Switzerland.

## CHALLENGE

As bolts increase in size, so does the challenge of ensuring bolt load accuracy. Due to friction, it can be difficult or even impossible to accurately control using traditional torque methods.

## SOLUTION

Boltight hydraulic bolt tensioning technology makes it possible to tighten and loosen multiple bolts simultaneously.



# BOLTIGHT™

- Tightens bolts simultaneously and ensures even preload.
- Achieves correct bolt elongation.
- Ensures extreme accuracy, speed, uniformity and safety of any bolt tightening situation.
- Applied load is accurately controlled.
- No friction needs to be overcome.
- Certified by Lloyd's Register.
- Products designed and manufactured in the United Kingdom.

## CHALLENGE

Lug wear significantly increases costs due to labor, replacement materials and downtime. Traditional repair methods are temporary, meaning lug wear will recur and the same costly replacements and downtime are necessary.

## SOLUTION

Expander System pivot pin technology prevents the formation of lug wear.



# Expander®

- Installed directly into lugs of new machines or used as spare part for repairs.
- Saves costs as additional fastening holes, threads and welding of locking ring on machine are not needed.
- Up to five times longer service life of bushings and bearings compared to a straight pin due to less pivot movement.
- Increases safety against breakage.
- Certified by TÜV and DNV GL.
- Products designed and manufactured in Sweden and the United States.