

THE SUPERBOLT TOOL WORK SMARTER. NOT HARDER.

ANNOUNCING MULTIPLE REVOLUTIONS IN THE TENSIONING INDUSTRY WITH
THE NEW SUPERBOLT MULTI-JACKBOLT TIGHTENING TOOL (MJTT)



Significant time
and labor savings



Simultaneous
tightening of
jackbolts



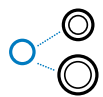
Controlled
tightening
procedure



Lightweight
modular
construction



Multiple
patented
technologies



One unit fits
multiple Superbolt
MJT sizes

A TOOL FOR HIGH VOLUME & FREQUENT MAINTENANCE

Superbolt Multi-Jackbolt Tensioners (MJTs) allow users to tighten large bolts accurately with simple hand tools. The new Superbolt Tool adds an extra layer of speed to this solution by tightening all the jackbolts simultaneously. Although Superbolt tensioners are already quick and easy to use, the added speed of the Superbolt Tool can benefit those who use a high number of MJTs and/or those who have frequent maintenance schedules, as the tool reduces installation and removal times considerably. The Superbolt Tool also provides fast and accurate application of torque to multiple jackbolts. This maintains accurate bolt loading and provides even jackbolt load application, along with minimizing procedural requirements.

Advantages of the Superbolt Tool

- Fast tightening and untightening minimizes production and maintenance schedules
- Improved maintenance planning maximizes revenue
- Use of existing input tooling ensures quality assurance programs remain unaffected
- Increased safety as pinch points have been designed out
- Lightweight, modular equipment for easy handling

Do I need a specific drive system to use this tool?

No, the Superbolt Tool can be adapted to any drive system. This means that you can use existing equipment, including battery-operated tools. In order to adapt the tool to your drive system, you will need to advise Nord-Lock Group of your existing drive and we will design the specific Superbolt Tool to suit.

How do I handle or operate this tool?

The Superbolt Tool is a lightweight modular design consisting of a drive and a cassette for ease of use. This makes the work much easier for the operator who does not have to carry heavy loads. The tool can be used in whichever way the application requires (up-side-down, vertical, horizontal).

How can I determine accurate bolt load?

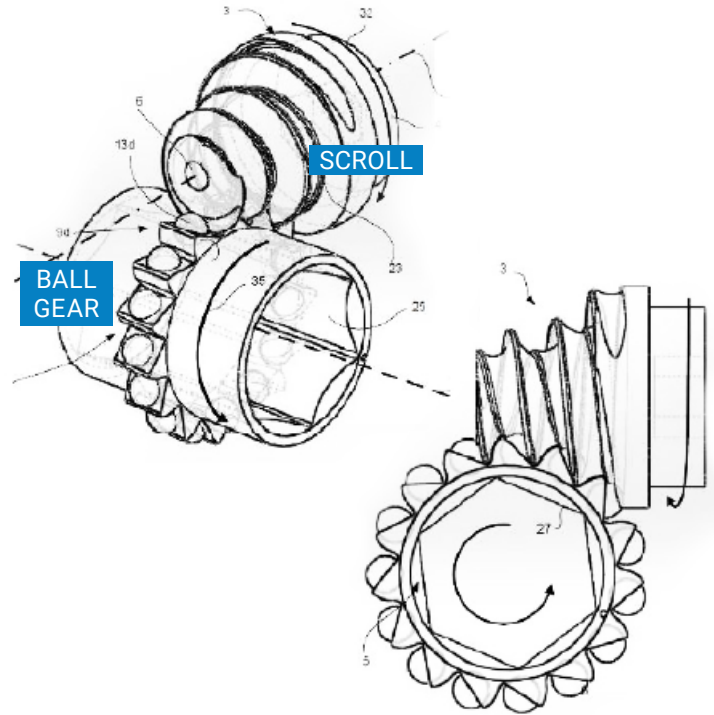
The Superbolt Tool ensures that all jackbolts are aligned, then applies an even and accurate torque simultaneously to all jackbolts. This ensures that traditional Superbolt precision is maintained. The tool has been thoroughly tested, and it achieves a very high level of accuracy. For even greater accuracy levels, calibration can be applied.

When is it relevant for me to invest in a Superbolt Tool?

Superbolt tensioners are used in a wide array of applications. The Superbolt Tool is particularly relevant for an application which requires a high quantity of MJTs of the same or similar size or where frequent maintenance is needed. This would be of great benefit to original equipment manufacturers (OEMs).



The key principle behind the Superbolt Tool is *Powered by UniForce Technology* – invented by Nord-Lock Group. The patented technology consists of a unique scroll and ball gear mechanism for uniform and high transfer of torque. In operation, effective torque amplification is achieved in a very compact design – with input torque kept to a minimum.



SUPERBOLT TOOL COMPONENTS

A drive with an interchangeable cassette system.

Interchangeable cassettes for varying tensioner sizes and functions (number dependent on customer application). Cassettes can also be specifically designed for single application.

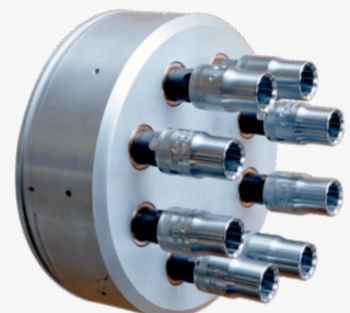
Drive unit, powered by Uniforce Technology



Ratchet Cassette for jackbolt position equalization (includes patented self-aligning sockets)



Power Cassette for jackbolt tightening/untightening (includes patented self-aligning sockets)



SUPERBOLT TOOL PROCEDURE

To tighten MJTs using the Superbolt Tool, multiple drive options can be used, including (but not limited to) hand-held battery-operated drills and electronic nut runners.



1 Attach the ratchet cassette to the jackbolts and then engage the hand-held battery-operated drill. Run the jackbolts to the same starting position.



2 Replace the ratchet cassette with the power cassette and slide the Superbolt Tool into position.



3 Engage the electronic nut runner onto the Superbolt Tool. Run down until desired torque is achieved.

AVAILABILITY AND TESTING

The Superbolt Tool range includes several drive units and cassettes to primarily suit the Superbolt MJT range M33 to M120. Design and delivery times are based on the parameters of each individual project and the sizes needed. Tool sales are project-based.

The design of the Superbolt Tool has been verified by high-cycling testing and comes with local support by the global Nord-Lock Group organization. The product has been designed with a lubrication port for low maintenance and ease of use. Recommended inspection periods are dependent upon frequency of use.

WORK SMARTER. NOT HARDER.

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