



**technidrill**  
EUROFORGROUP

MINING EXPLORATION

# NWBJ RODS

**COMFORT**

**PRODUCTIVITY**

**RELIABILITY**

**SUSTAINABILITY**



# TECHNIDRILL

## YOUR GLOBAL PARTNER FOR DRILLING EFFICIENCY

### Supporting your drilling projects every day

French drilling tools designer and manufacturer since 1989, Technidrill is your global partner for high-performance drilling accessories tailored to your worksite requirements. We support all your drilling projects with customized solutions designed to optimize performance and reliability. We are part of Euroforgroup, a French group with strong human values offering comprehensive 360° solutions for drilling professionals.

At Technidrill, we design and manufacture a comprehensive range of drilling tools, including drill pipes, core barrels, casing, bits and drilling accessories. Our products are selected and crafted at our manufacture in Carros (South of France) for your worldwide worksites.

By overseeing the entire manufacturing process from material selection to final quality control we guarantee durability, precision, and superior performance under the most demanding conditions. Whether for mining exploration or production, geotechnical drilling, waterwell & geothermal drilling or construction, our tools are engineered to meet the highest industry standards.

### Creating the future of drilling together

Innovation is fundamental to everything we do at Technidrill, seamlessly integrated with our production process. Our R&D team continuously develops advanced tools that drive efficiency and cost-effectiveness. These innovations are then brought to life in our state-of-the-art production unit, where precision manufacturing ensures the highest quality standards.

By aligning our R&D efforts with our production capabilities, we guarantee that every tool is engineered for optimal performance, meeting the specific demands of each drilling application while maintaining exceptional durability and reliability.

**In collaboration with one of the most experienced mining exploration company in the world, Technidrill has designed and manufactured the NWBJ rods. They offer greater comfort for easier screwing and unscrewing, making your work more efficient. Their improved design enhances productivity, while superior reliability allows you to drill deeper with confidence. The 3 grooves identifying shaft wear and the use of scrap steel contributes to greater sustainability.**



#### PRODUCTIVITY

NWBJ rod includes a bigger thread than our standard rods to save time when you (un)screw.

#### COMFORT

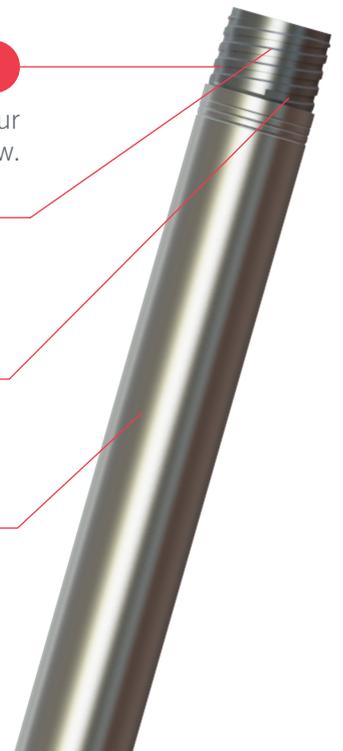
Double-entry thread easier to screw and unscrew.

#### RELIABILITY

NWBJ threads are wider and deeper than standards to provide better resistance.

#### SUSTAINABILITY

We produce our NWBJ rods with identification grooves to enhance driller safety and to increase rod longevity. We also produce rods with recycled steel to promote greater durability.



## BOOST YOUR PRODUCTIVITY

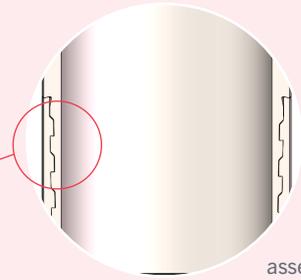
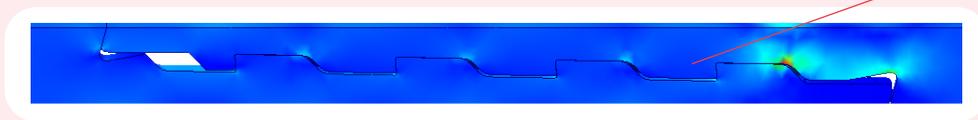
The NWBJ thread has a bigger pitch compared to the standard thread. This allows for faster screwing and unscrewing of drilling rods, resulting in improved productivity on your drilling projects. As a result, you can complete tasks more efficiently and reduce downtime on site.

## MAXIMIZE YOUR COMFORT

The NWBJ thread is a double-entry thread, while the standard has only a single entry. This design makes it easier to screw the rods together, enhancing both comfort and safety while drilling. It also extends thread lifetime.



## ENHANCE RELIABILITY



Thread assembling

The NWBJ threads are 34.5% deeper than standard threads, resulting in increased tensile strength and torque. Laboratory tests have showed a 38% improvement in tensile strength at the breaking point and a 94% improvement in maximum torque, enabling NWBJ rods to reach greater depths, both vertically and horizontally.

The design of this thread also enhances reliability and reduces friction and galling, allowing you to use your rods for a longer period.

The design is wider and deeper, allowing for a repartition of preload stress across the entire threading, compared to the standard ones where stresses are concentrate in a small area of the thread.

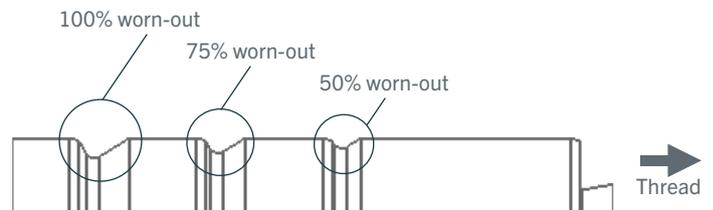
### LABORATORY TESTS

	Tensile strength at the breaking point	Maximum torque at the breaking point
N-WL > NWBJ	<b>+38%</b>	<b>+94%</b>

## STRENGTHEN SUSTAINABILITY

### Groove wear level

The NWBJ rod has three grooves that highlight its wear progression. Each groove indicates a specific wear percentage as it disappears : 50%, 75% and 100% worn-out. When the three grooves have worn away, the rod is no longer usable. It also contributes to safer drilling as drillers manage the wear rods condition efficiently.



### Recycled steel raw material

NWBJ rods are crafted from 50% high-quality recycled steel at our production unit in France. By using recycled materials, we not only contribute to sustainability but also ensure that each rod meets the highest standards of performance and durability.



Designation	Reference
NWBJ Rod x 1,500mm	53.672
NWBJ Rod x 3,000mm	53.673.TTH

# INNOVATIVE DRILLING SOLUTIONS

## POWERED BY R&D EXPERIENCE

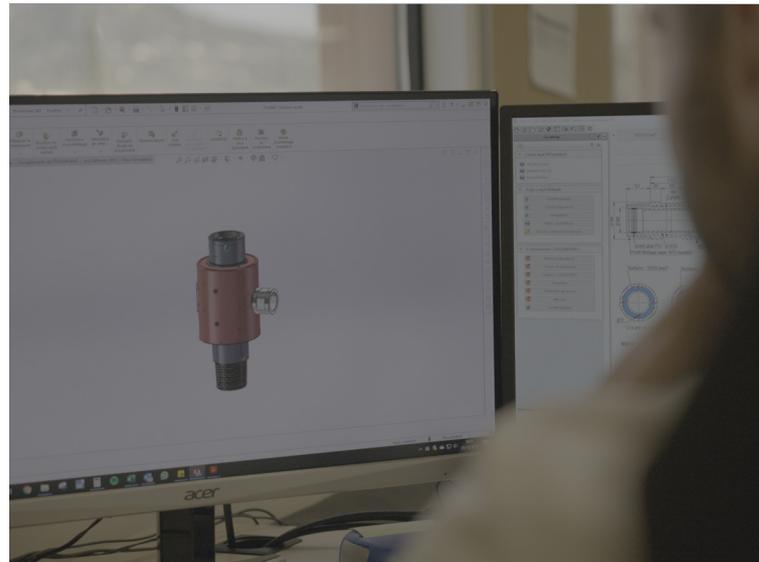
Innovation is at the core of Technidrill's mission to support drillers with high-performance solutions. Our dedicated R&D team utilizes the latest 3D modeling and simulation technologies to design tools that enhance efficiency and reduce operational costs.

Beyond tool development, we offer a comprehensive service to drillers by adapting and customizing our designs to meet the unique challenges of your specific drilling applications.

The Research and Development Department is dedicated to your specific projects:

- We listen to your needs and constraints.
- We design the best suited tools.
- We manage the tool tests with you on your worksites.

Whether working in complex geological conditions or targeting precise outcomes, our expertise ensures optimal performance and reliability. Committed to continuous improvement, we partner with you to deliver cutting-edge solutions that drive the success of your projects and keep you at the forefront of the industry.



On-site  
assistance



Global  
references



R&D  
department

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