



DIAMOND CORING DRILL RODS  
Quality, Reliability, Consistency

# DRILL RODS

**Our mission is to produce a  
drill rod that challenged the  
status quo.**

**To do so, we needed to re-think, re-learn  
and  
re-develop how we produced drill rods.**

# Full automation with a human touch



Our production facility is fully automated, using industry-leading equipment and technology to ensure that our rods consistently meet our stringent level of tolerances.

After each significant stage, a technician will provide a quality check, ensuring that the machines are performing within their means.

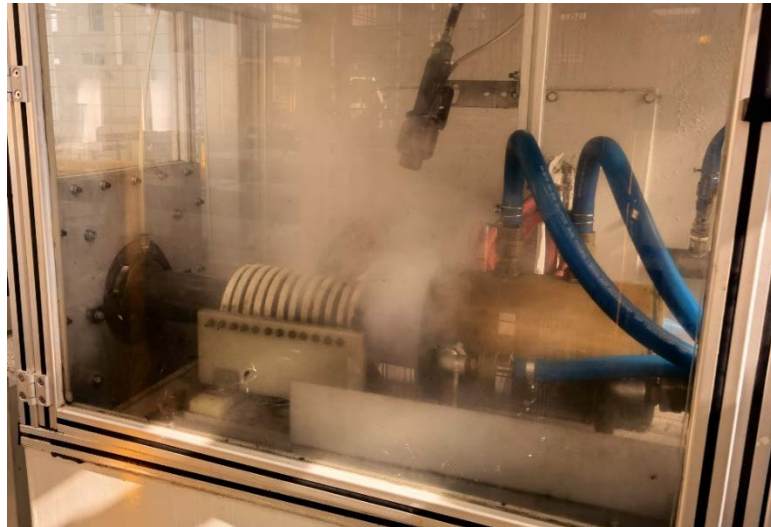
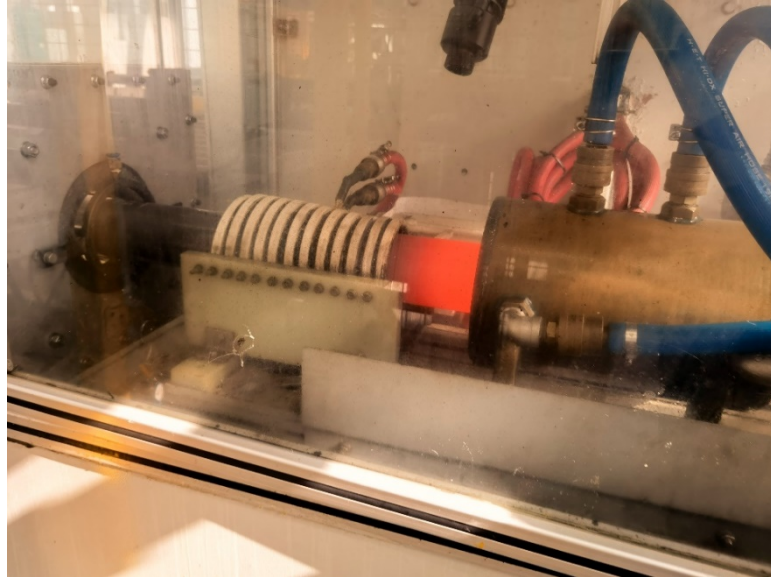
# Custom material designed explicitly for drilling



Working with our supplier and the Department of Engineering at the University of Shanghai, we have created a specific steel alloy exclusively produced and supplied to us for the next twenty years.

Quality control starts from the very beginning, with each delivery meticulously inspected to ensure that they meet our specifications.

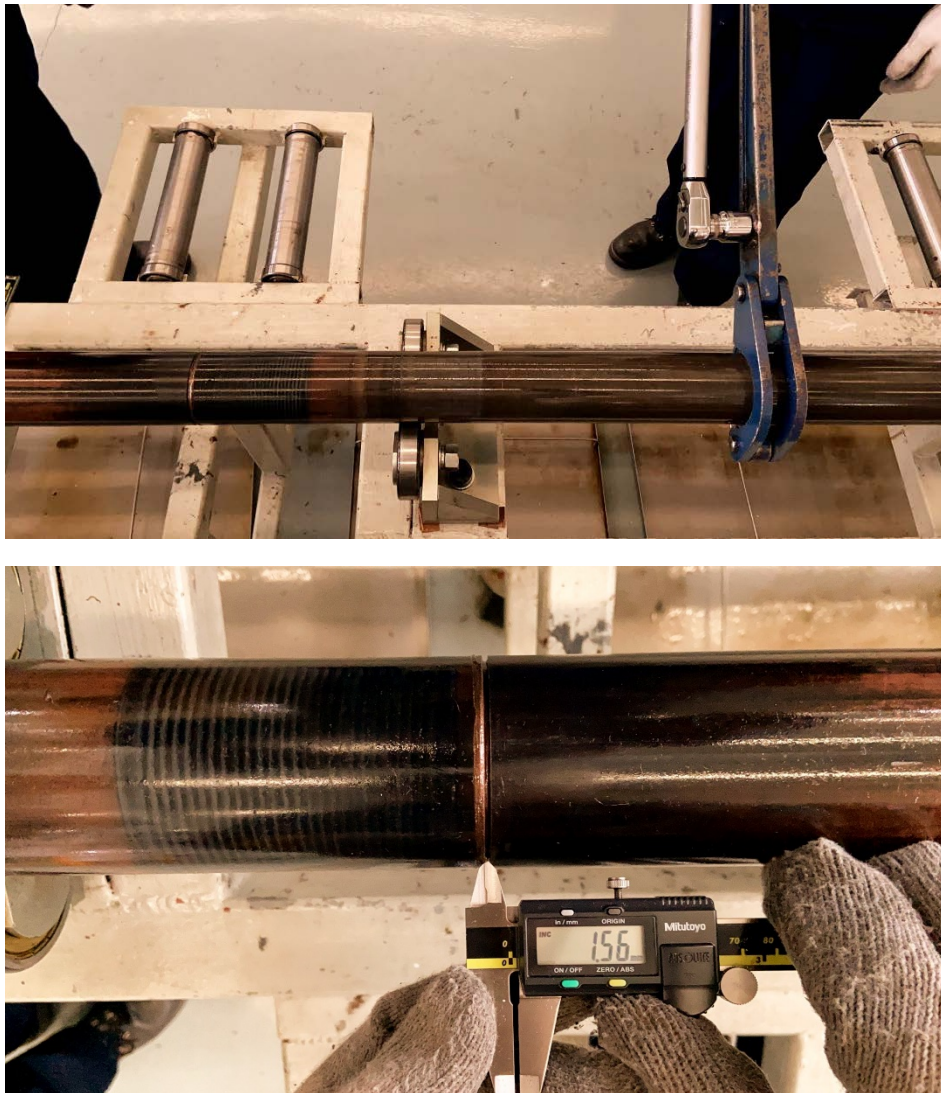
# Heat treatment



To ensure that the rods have a prolonged thread life, box threads are heat-treated **twice**, whilst the pin thread is hardened to 55HRC to have better wear against each other.

But that's not enough. We even heat treat and harden the area's above the threads, the area's that are worked on by rod clamps, chuck jaws, foot clamps and Stilson's.

# Thread Inspection

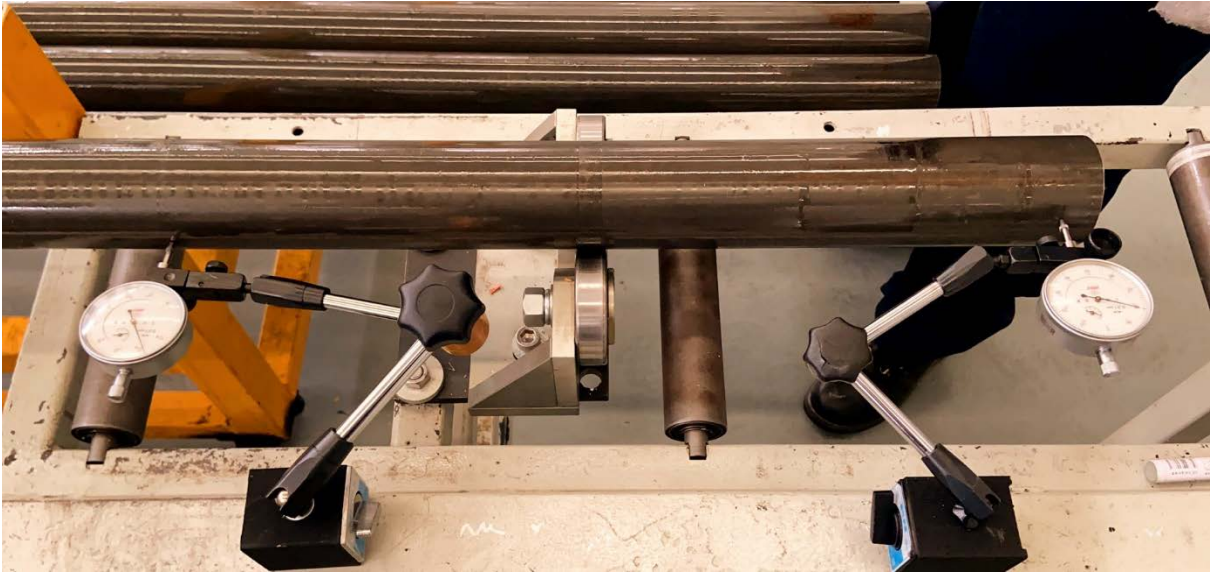


Technicians are stationed at each production stage to inspect the quality of the rods and ensure the machines are operating correctly.

The final inspection stage of the drill rods involves the following:

- Standoff gap test - Each drill rod is tested for its standoff gap. Threads are greased, and hand tightened, with the accepted tolerance between 1.2-1.5mm.
- Zero gap test - after the standoff test, the grease is wiped clean and reapplied before tightened to their specified operating torque and must show zero gaps to pass.

# Spins straight and true



To ensure that your drill rods spin straight and to minimise rod vibration (rod slap), we apply 2 test methods.

Visual inspection - each drill rod is rotated on a flat surface and visually inspected for trueness.

Instruments and Gauges - We test 2 rods out of every bundle to ensure that the variance falls within our accepted range.

# Guaranteed



Taking responsibility for what we make is the first step to building trust.

We stand by our product. However, should anything go wrong, every drill rod will have its serial number to trace back and see if the issue lies within the manufacturing process and warrant a replacement.

We are so proud and confident in the way our drill rods have been made that we stand by them with a limited 1-year manufacturers warranty.



# Specifications

OD (mm)	ID (mm)	WEIGHT (kg/3m)	THREAD PITCH	PIN LENGTH (mm)	CONTENT (L/100m)
69.9	60.3	23.4	8.5	44.4	286.0

## NAU

### NAU BUNDLE SPECIFICATIONS

19 Rods per bundle 3m lengths

Dimensions (LxWxH)

3,100 X 360 X 320mm

Metric Volume

0.4 m<sup>3</sup>

Gross Weight

455 kg

Qty per container:

20 ft container load of 3.0 m/10 ft rods holds 30 bundles (570 rods)

40 ft container load of 3.0 m/10 ft rods holds 45 bundles (855 rods)

## HAU

OD (mm)	ID (mm)	WEIGHT (kg/3m)	THREAD PITCH	PIN LENGTH (mm)	CONTENT (L/100m)
88.9	77.8	34.5	8.5	44.4	475.0

### HAU BUNDLE SPECIFICATIONS

19 Rods per bundle 3m lengths

Dimensions (LxWxH)

3,100 X 460 X 410mm

Metric Volume

0.6 m<sup>3</sup>

Gross Weight

665 kg

Qty Per Container:

20 ft container load of 3.0 m/10 ft rods holds 20 bundles (380 rods)

40 ft container load of 3.0 m/10 ft rods holds 30 bundles (570 rods)

# Testimonials

**" Drill Rods come delivered very well packaged. The rods are oiled on the outside and, surprisingly, the inside as well, with all threads pre-greased and covered. Out of the box, the drill rods spin extremely straight and true, no rod slappage, I do not see why I would not continue to buy these drill rods, great value " .**

**Richard Pitt**

***Caliber Drilling Pty Ltd (Mt Isa)***

January 2021