

NINH DA

INDUSTRIAL



NINH DA

INDUSTRY
INFRASTRUCTURE
ENERGY

Loosen it. Lift it.

Pull it. **Torque it to spec.**

Hydraulic torque wrenches · Hydraulic jacks · Hydraulic pullers

ninhdatorque.com

Hotline 0985042454

NINH DA

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INDUSTRY
INFRASTRUCTURE
ENERGY

Your bolting partner in Vietnam

Ninh Da Industrial Co., Ltd supplies industrial bolting and hydraulic tooling in Vietnam. We size the set before it ships, support it on site, and calibrate it afterwards.



LOCAL SUPPORT

Vietnam-based team for fast response and on-site support.



TECHNICAL ADVICE

Application support, tool selection and bolting solutions.



AFTER-SALES SUPPORT

Maintenance, calibration and spare parts supply for long-term performance.

Hydraulic torque wrenches

Square drive and low profile

179 – 159,355 Nm

Hydraulic jacks

Ten cylinder series

5 – 2,000 tons

Hydraulic pullers

2-jaw and 3-jaw

4 – 300 tons

NINH DA INDUSTRIAL CO., LTD

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What we supply, and who we supply it to

Ninh Da Industrial has supplied bolting and hydraulic tooling to plants in Vietnam since 2017, from an office and store in Ho Chi Minh City. We carry the tool, the pump, the hose and the socket as one set, and we hold the calibration equipment to prove the tool reads true.



2017

Supplying
Vietnamese industry



179 – 159,355 Nm

Hydraulic torque
wrench range



5 – 2,000 tons

Ten hydraulic
cylinder series



4 – 300 tons

Hydraulic
puller range

EQUIPMENT
CERTIFICATION

**Equipment supplied
with CE and ATEX certification**

Certificate numbers
available on request.

PRODUCT RANGE



Hydraulic torque
wrenches



Bolt
tensioners



Pumps



Hydraulic jacks



Pullers



Synchronous
lifting systems



Calibration
equipment

INDUSTRY APPLICATIONS



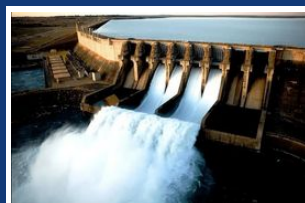
STEEL

Blast furnace flanges,
roll-change bolts, mill
drive couplings



THERMAL POWER

Turbine casing bolts,
boiler drum manhole
doors, feed pump
couplings.



HYDROPOWER

Turbine runner bolts,
penstock and butterfly
valve flanges.



WIND POWER

Foundation bolts, tower
section flanges, blade
root and hub bolts.



CEMENT

Kiln girth gear bolts, mill
liner bolts, roller press
bearings.



OIL, GAS & PETROCHEMICAL

Pipeline and valve
flanges, pressure vessels,
distillation columns.



BRIDGES / METRO / HEAVY CIVIL

Bridge bearing
replacement, tunnel
segments, TBM
positioning.



SHIPBUILDING / MINING / RAIL

Propeller nuts, crusher
bolts, conveyor pulleys,
welded rail.

Four moments in a shutdown

A shutdown is priced by the hour.

Most of the hours that go missing go missing at four points.

01 Break it loose

CONTROLLED FORCE. NO DAMAGE.



The nut has been under load and in weather for years. An impact gun hammers at it, rounds the flats or shears the stud, and the job turns into a cutting job. A hydraulic torque wrench applies a measured load and holds it, so the nut turns instead of being beaten.



Hydraulic nut splitters Safely split seized or corroded nuts without damaging the studs.



Flange spreaders Create a safe opening force to separate flanges.

TYPICAL APPLICATIONS

- Break seized flange nuts and heavy fasteners
- Remove corroded nuts with nut splitters
- Separate flanges with mechanical or hydraulic spreaders

02 Take the load

LIFT. SUPPORT. POSITION.



Before anything comes off the shaft, the weight has to go somewhere. Ten cylinder series carry it, from a 5 ton RC up to a 2,000 ton DQ.



Low-clearance cylinders

An RSM gives 6 to 16 mm of stroke in a body that fits where nothing else will. An RTC stands 30 to 35 mm tall collapsed and still takes 200 tons.



Locknut cylinders

A steel collar threads down onto the plunger, so the load rests on metal instead of oil pressure. CLL to 1,000 tons, CLP in a low profile body to 500 tons.

TYPICAL APPLICATIONS

- Lift and position heavy equipment
- Support structures during maintenance
- Use locknut cylinders for safe, sustained load holding

Four moments in a shutdown

03 Pull the part

STRAIGHT PULL. LESS RISK.



Self-centering hydraulic pullers keep the pull force on the shaft axis, so the part comes off square instead of being pushed sideways. A part pulled sideways scores the shaft, the seat, or both.



Self-centering hydraulic pullers 2- and 3-jaw configurations for a wide range of components.



Reach to 1,039 mm Where a three-jaw body cannot reach past the housing, a two-jaw HCP 200 reaches 1,039 mm down the shaft.

04 Put it back to a number

REPEATABLE TORQUE. REAL BOLT TENSION.



A hydraulic torque wrench delivers the figure the designer specified, to $\pm 3\%$. On a large flange, a bolt tensioner stretches the stud directly instead of twisting the nut, so there is no friction term to guess at.



Hydraulic torque wrenches High torque output with accurate, repeatable results.



Bolt tensioners Stretch the stud directly for critical joints and uniform bolt load.

TYPICAL APPLICATIONS

- Reassemble flanges and critical bolted joints
- Deliver repeatable torque with hydraulic wrenches
- Use bolt tensioners for high-integrity applications

Hydraulic torque wrenches

Proven bolting performance for safer, more reliable operations

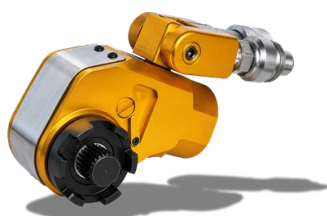
SQUARE DRIVE HYDRAULIC TORQUE WRENCHES

High torque with standard impact sockets

Square drive hydraulic torque wrenches deliver high torque with standard impact sockets, ideal for applications with sufficient clearance above the nut.

ATX

Compact. Reliable. Versatile.



- Compact body.
- Standard impact sockets.
- One body covers a spread of bolt sizes.

MXTD

Lightweight. Maximum performance.



- Aluminium-titanium alloy body.
- Light enough to hold at height.
- Takes full working pressure.

BXTD

Built for the toughest jobs.



- The largest square drive bodies in the range.
- For large-diameter studs.

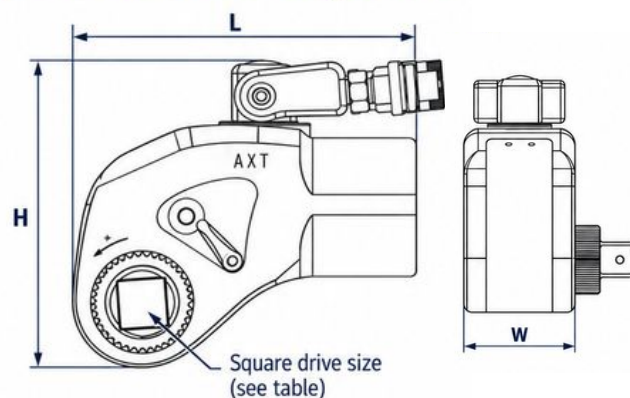
Series	Torque range	Square drive
AXT	179 – 19,041 Nm	3/4" – 2"

Series	Torque range	Square drive
MXTD	185 – 140,848 Nm	3/4" – 4"

Series	Torque range	Square drive
BXTD	485 – 159,355 Nm	1" – 4"



KEY DIMENSIONS (SQUARE DRIVE)



L Overall length

H Overall height

W Overall width

Square drive size Output square size by model

BOLT SELECTION GUIDE

1

Find your bolt size (hex across flats).

2

Check required torque.

3

Choose a wrench series that covers the torque and fits your space.

Model	L (mm)	H (mm)	W (mm)	Square Drive
07AXT	104	107	46	3/4"
1AXT	133	135	57	3/4"
3AXT	171	172	77	1"
5AXT	210	205	88	1-1/2"
8AXT	225	224	100	1-1/2"
10AXT	263	245	111	1-1/2"
15AXT	284	268	122	2"
20AXT	302	283	132	2-1/2"
35AXT	385	342	170	2-1/2"
45AXT	430	405	182	2-1/2"
50AXT	446	418	190	3"

Hydraulic torque wrenches

Proven bolting performance for safer, more reliable operations

LOW PROFILE HYDRAULIC TORQUE WRENCHES

Maximum access. No compromise.

Low profile hydraulic torque wrenches are designed for confined spaces, where socket clearance is limited or the nut sits in a recess.

CLCD

Ultra-compact for tight spaces.



- Extremely low profile.
- Ideal for confined spaces.
- High precision and reliability.

JND

Slim design. Wide capability.



- Slim and strong design.
- Versatile for multiple industries.
- Reliable performance in restricted areas.

KLCD

Access further. Do more.



- Optimised for hard-to-reach nuts.
- High torque in a compact body.
- Durable and easy to operate.

WHCD

Power where space is limited.



- Extra low profile design.
- High torque for demanding tasks.
- Engineered for maximum access.

Series	Torque range	Square drive
CLCD	up to 11,550 Nm	75 – 95 mm

Series	Torque range	Square drive
JND	522 – 51,835 Nm	50 – 230 mm

Series	Torque range	Square drive
KLCD	345 – 89,996 Nm	36 – 180 mm

Series	Torque range	Square drive
WHCD	233 – 139,463 Nm	36 – 190 mm

WHICH TYPE FITS YOUR APPLICATION?

It all comes down to the space around the nut.

Use a square drive wrench

when you have clearance above the nut.

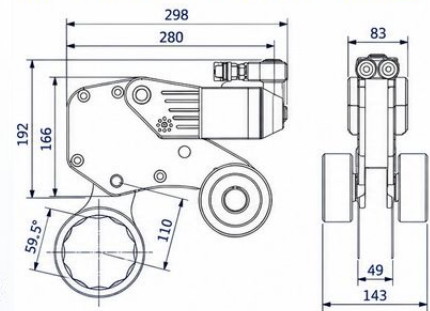


Use a low profile wrench

when vertical clearance is limited.



KEY DIMENSIONS (LOW PROFILE)



- L** Overall length
- H** Overall height
- R** Nose radius (to centre of hex)
- W** Body width (front to back)

Model	Max working pressure	Max torque	Nut range	Note
8CLCD	50 MPa	11,550 Nm	75–95 mm	Customized according to actual project requirements.

Common to every hydraulic model

- Working pressure up to 70 MPa (700 bar)
- Repeat accuracy $\pm 3\%$
- 360° swivel hydraulic coupling
- 180° reaction arm positioning

OTHER FACTORS TO CONSIDER

-  **Application type**
(flange, foundation, structure, etc.)
-  **Available space**
(clearance, surrounding equipment)
-  **Hydraulic pump**
(70 MPa / 700 bar)
-  **Socket compatibility**
(impact socket or direct fit)

A hydraulic wrench is a set, not a tool.

Six parts. One system. The job fails at whichever one was chosen last.

A COMPLETE HYDRAULIC BOLTING SET

Matched components, supplied and quoted as one set.



MORE THAN A TOOL. A COMPLETE BOLTING SOLUTION.

Each component is critical. Together they deliver controlled, repeatable and safer bolting operations.

PUMPS Reliable hydraulic power for every environment. Different drives. Same performance.

ELECTRIC PUMP



- Compact and robust design.
- Two-stage operation for fast advance and controlled torque.
- Ideal for general bolting applications.

AIR-DRIVEN PUMP



- No electrical spark. For classified gas zones.
- Reliable performance in harsh environments.
- Ideal for oil and gas and hazardous areas.

BATTERY PUMP



- Cordless and portable.
- Ideal for remote locations.
- High performance battery drive.

MANUAL PUMP



- Lightweight and portable.
- Ideal for maintenance and small jobs.
- No external power source required.



THE CONTROLLER EARNs ITS PLACE ON AN AUDIT

The smart controller sets the target torque, controls the pump, holds the pressure until the target is reached, and logs each cycle against the bolt identifier, the operator and the time.



TARGET
TORQUE



AUTO
CONTROL



RECORDS
EVERY BOLT



OPERATOR
AND TIME



AUDIT
READY

ESSENTIAL ACCESSORIES The supporting components for a complete, job-ready set.

Impact sockets



Metric and imperial sizes. Heavy-duty design.

Hex cassettes



Interchangeable cassettes for maximum versatility.

High-pressure hose



Durable, flexible and high-pressure rated hoses.

Quick couplings



Flat-face couplings for fast, safe and clean connection.

Reaction arms



A range of reaction arms for different applications.

Torque-measuring socket



Measure, verify and document torque directly at the nut.

Hydraulic jacks

Ten series, 5 to 2,000 tons, grouped by what the cylinder has to do

HYDRAULIC JACK RANGES

A complete range of cylinders for lifting, pushing, pulling and load-holding applications.

SINGLE ACTING, SPRING RETURN RC Series RC



RC | 5 – 100 tons | Stroke 16 – 356 mm |
Single acting, spring return

HOLLOW PLUNGER CYLINDERS RCH and RRH Series



RCH | 13 – 100 tons | Stroke 8 – 155 mm | Single acting
RRH | 30 – 150 tons | Stroke 38 – 258 mm | Double acting

LOW-CLEARANCE CYLINDERS RSM and RCS Series



RSM | 5 – 150 tons | Stroke 6 – 16 mm | Ultra-low height
RCS | 10 – 150 tons | Stroke 38 – 62 mm | Low height
RSM for the lowest height, RCS for a longer stroke

EXTRA-HIGH-PRESSURE PANCAKE RTC Series



RTC | 5 – 200 tons | Stroke 10 mm
Collapsed height 30 – 35 mm

LOAD-HOLDING LOCKNUT CYLINDERS CLL and CLP Series



CLL | 50 – 1,000 tons | Stroke 50 – 300 mm | Load-holding collar
CLP | 50 – 500 tons | Stroke 45 – 50 mm | Low profile

HIGH-TONNAGE CYLINDERS DQ and DS Series

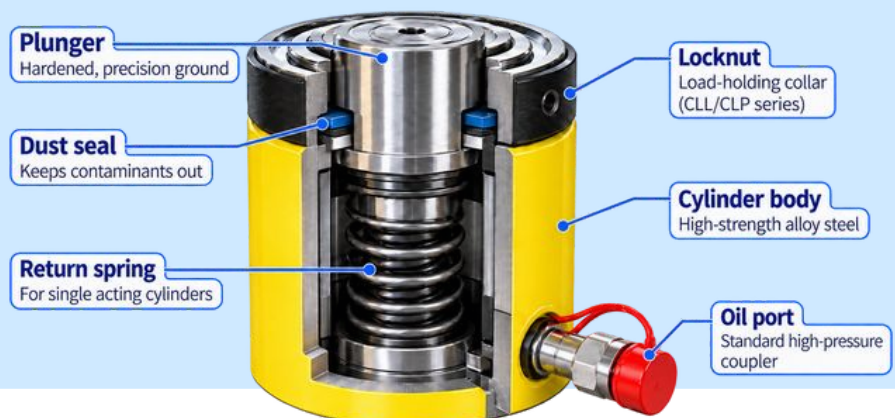


DS | 50 – 1,000 tons | Stroke 50 – 500 mm | Single acting
DQ | 50 – 2,000 tons | Stroke 50 – 500 mm | Double acting
Suitable for heavy lifting, jacking and positioning.

INSIDE A HYDRAULIC CYLINDER

SIMPLE DESIGN. RELIABLE PERFORMANCE.

High-strength components work together to deliver power, safety and long service life even in the toughest conditions.



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SYNCHRONOUS LIFTING SYSTEM

Multiple cylinders. One controlled lift.

Lifting a bridge deck, a transformer, a TBM or a vessel on four or eight points is not a lifting problem. It is a synchronisation problem. The moment one point leads the others, the structure takes a load it was never designed for, and the damage is done before anyone sees it move.



Height difference
between lifting
points held under
0.1 mm.



Position, pressure
and load are read
back to the operator
throughout the lift.



A sensor fault stops the
lift and locks the
pressure, rather than
shifting the load onto the
points that still work.

TYPICAL APPLICATIONS



Bridge bearing
replacement



Tunnel segment
erection



TBM positioning



Heavy machinery
foundation setting



Hydraulic pullers

The jaws decide whether you keep the shaft

3-JAW HYDRAULIC PULLERS

Self-centering. High capacity. Built for tough jobs.



- Jaws close together evenly for a secure, centered pull.
- Ideal for large, heavy components and long, stubborn fits.
- Integrated hydraulics for maximum force and control.
- Available with wheeled base on larger models for easier positioning.

Model	Pulling	Stroke	Max opening	Max reach
HAC 50	50 tons	337 mm	1,100 mm	530 mm
HAC 100	100 tons	250 mm	1,100 mm	425 mm
HAC 150	150 tons	250 mm	1,100 mm	473 mm

2-JAW HYDRAULIC PULLERS

For odd shapes and confined spaces.



- For parts a three-point grip cannot reach: odd shapes, and confined spaces where the third jaw has nowhere to sit.
- Reach to 1,039 mm, further than any three-jaw model in the range.
- Overload relief valve in the pump limits the pull.

Model	Pulling	Stroke	Max opening	Max reach
HCP 60	60 tons	250 mm	1,000 mm	650 mm
HCP 100	100 tons	250 mm	1,220 mm	863 mm
HCP 200	200 tons	250 mm	1,045 mm	1,039 mm
HCP 250	250 tons	250 mm	1,220 mm	970 mm
HCP 300	300 tons	250 mm	1,385 mm	970 mm

COMPACT HAND-OPERATED PULLERS

4 to 15 tons. Versatile. Ready anywhere.



- 4 to 15 tons hand operated.
- Interchangeable jaws for two or three jaws.
- Compact, lightweight and easy to use.
- Ideal for maintenance teams and workshops.

BEFORE YOU ORDER

Send us a few key details for the right solution.

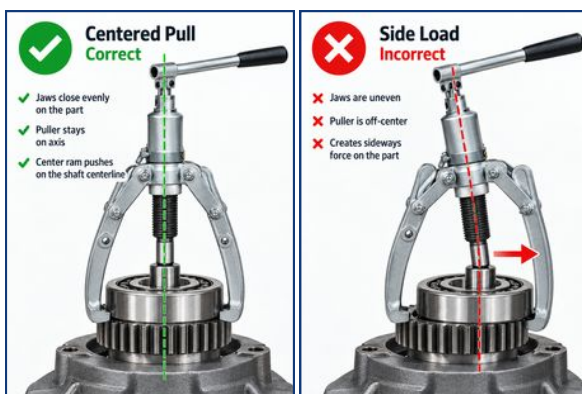
- 1 Outside diameter of the part.
- 2 Reach from the pulling face back to the jaw seat.
- 3 Shaft diameter.
- 4 A photo with a tape measure is faster than any form.



Our team will recommend the best configuration for your application.



WHY JAW DESIGN MATTERS



WHAT WE PULL

A wide range of power transmission components.



Hydraulic **bolt tensioners**

The jaws decide whether you keep the shaft



A **torque wrench** turns the nut, and much of the effort goes into friction under the nut face and in the thread. How much is a guess, and the guess changes with rust, grease and surface finish.

A **tensioner** stretches the stud **directly** and threads the nut down onto a joint that is already loaded. No friction term. No torsion left in the stud. No galling.

Several tensioners linked to one pump pull the **whole flange down** together, which is how a wind tower flange or a pressure vessel head stays flat.



HIGHER JOINT INTEGRITY

Direct stud stretch for predictable load.



MORE UNIFORM FLANGE LOADING

Multiple tensioners pull the stud down together.



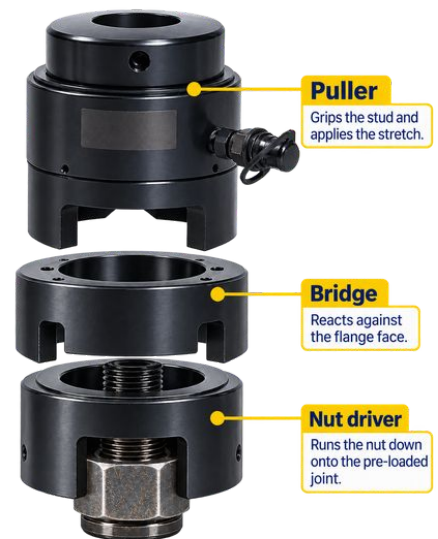
NO FRICTION VARIABLE

Eliminates torque friction in the result.



SAFER, FASTER OPERATIONS

Designed for critical industrial bolting.



ALSO IN THE CASE

The complete bolting solution from the same crew.

Torque multipliers



- High torque output.
- Compact and robust.
- Manual input, maximum performance.

Hydraulic nut splitters



- Safe nut removal.
- No heat, no sparks.
- For seized or corroded nuts.

Flange spreaders



- Mechanical or hydraulic.
- Safe, controlled separation.
- For maintenance and inspection.

Rail tensioner



- For continuous welded rail.
- Applies controlled tensile force.
- Improves track stability and life.

Hoses



- High pressure hydraulic hoses.
- Durable and flexible.
- For demanding environments.

Quick couplings



- Fast, safe connection.
- High flow, low leakage.
- Rugged industrial design.

Adapters



- Wide range of thread and fit options.
- Custom solutions available.
- Built for high pressure.

Reaction arms



- For torque tools and multipliers.
- Multiple styles and sizes.
- Engineered for safety and stability.

A torque figure with no proof is a guess.

Calibration gives you confidence. In the workshop and in the field.

TC — Torque calibrator

Verifies what a wrench actually delivers against what its gauge says.



TP — Tensile calibrator

Verifies what a tensioner actually applies to the stud.



Every tool drifts. A wrench that read correctly last year reads differently after a season of shock loads, a rebuilt seal kit and a pump topped up with the wrong oil. Nobody notices, because the gauge still shows a number.

If your maintenance procedure specifies a torque, the procedure is only as good as the last calibration.

FROM TOOL TO TRACEABILITY



TOOL

Your hydraulic torque wrench or tensioner.



CALIBRATION

Checked on TC or TP calibrator against traceable standards.



RECORD

Each tool produces a calibration record with measured results.



TRACEABILITY

A record the plant can file for auditors, insurers or OEM warranty claims.

Each calibration produces a full record with measured results and traceability to recognised standards.

More than tools.

From site survey to spare parts, Ninh Da Industrial supports you throughout the tool lifecycle.

01 Joint survey before quotation

Send the bolt size, the specified torque, the clearance around the nut and a photo, or ask us to visit. Tools chosen from a catalogue page alone are how a plant ends up with a wrench that will not fit the third bolt from the left.



02 Tool set selection, one set at one price

Wrench, socket or cassette, hose, pump, couplings and reaction arm, quoted as one set. No missing parts on the day of the shutdown.



03 On-site setup and crew training

First use, reaction point selection, where to stand, and what the pressure gauge is telling you.



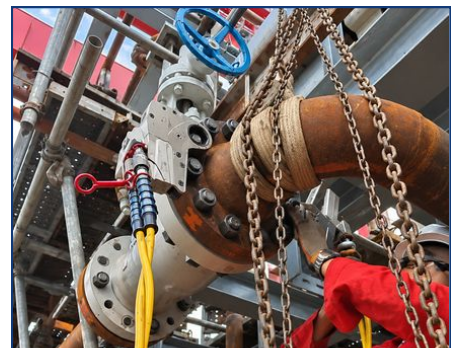
04 Calibration support

Checks on TC and TP equipment, with a record for each tool.



05 Spare parts in Vietnam

Seal kits, sockets, cassettes, hoses, couplings and reaction arms for the series we supply.



Warranty terms are supplied with every quotation and published at ninhdatorque.com.

Wind: The bolts that hold the tower up

From foundation to hub, every critical joint is tightened to a number and recorded.

A BOLTED STRUCTURE THAT WITHSTANDS NATURE

A wind turbine is a bolted structure standing in a reversing load. From the foundation to the hub, every critical joint must be tightened, maintained and trusted.



1 - FOUNDATION BOLTS

Long studs in a dense ring Tensioned several at a time, not torqued one by one
The flange pulls down flat and stays flat



2 - TOWER SECTION FLANGES

High-torque bolting for tower section joints
Low profile tools for limited access
Designed for fast, safe and repeatable bolting



3 - BLADE ROOT AND HUB BOLTS

Torque critical bolts in blade root and hub
Reliable tools for heavy-duty applications
Support safe and efficient maintenance



4 - YAW AND PITCH BEARINGS

Precise bolting for yaw and pitch bearing systems
Tools for high-torque, high-accuracy tightening
Keep turbines running longer and more reliably

WIND IN VIETNAM

Vietnam's wind capacity runs down the coast from Quảng Trị to Bạc Liêu and Cà Mau, most of it now past first commissioning and into scheduled re-torque. Every re-torque needs a calibrated tool and a record.

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ENERGY

Real challenges.
Lasting solutions.

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TORQUE AND BOLTING

ninhdatorque.com

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ninhdapumps.com

INDUSTRIAL MIXERS

maykhuaycongnghiep.com

DUST SUPPRESSION

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GROUP

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