NINGBO LINGQI HARDWARE INDUSTRIAL CO., LTD.

Fatigue-Resistant · Anti-Loosening · Heavy-Duty Anti-Corrosion Fastening Solutions

HIGH-SPEED RAIL · METRO & TRANSIT · NUCLEAR POWER · CONSTRUCTION · COMMERCIAL VEHICLES · WIND POWER

About Lingqi

Ningbo Lingqi Hardware Industrial Co., Ltd. — founded in June 2005, plant area 7,000 m² — is an R&D-driven manufacturer of special bolts and high-end fasteners for nuclear power, high-speed rail, metro and other applications with critical safety and fatigue requirements.

Through more than ten years of joint research with universities and research institutes, Lingqi achieved a breakthrough in fatigue life and anti-loosening performance — over 6,000,000 fatigue cycles (QA1 grade) — and entered key nuclear-power and high-speed-train supply programs.

2005 Founded (June)	**7,000 m²** Production plant	**5,000+ t** Annual output capacity
M5–M100 Thread size range	**3,000 mm** Maximum bolt length	**6M+** Fatigue cycles — QA1 grade

Manufacturing & Materials

- **Processes:** cold heading · hot forging · thread rolling · CNC machining · heat treatment · assembly & kitting
- **Materials:** carbon steel, alloy steel (42CrMoA etc.), stainless steel — plus full non-standard parts manufactured to customer drawings
- **Property classes:** 4.6 · 4.8 · 5.6 · 6.8 · 8.8 · 10.9 · 12.9 **Stainless:** A2-50 · A4-50 · A2-70 · A4-80
- **Corrosion protection:** heavy-duty anti-corrosion coating systems, salt spray tested up to 1,000 h

Quality System & Certifications

IATF 16949:2016 | ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018

- In-house testing laboratory with third-party test reports; hydrogen embrittlement, hardness, torsional and fatigue testing; full lot traceability
- National Hi-Tech Enterprise · National Science & Technology SME
- Member of the National Fastener Standardization Technical Committee; drafter or participant of several national and industry standards
- Registered trademark and multiple invention / utility-model patents

References

Long-term supplier to leading international and domestic groups: **Würth Industry China** (incl. Zhejiang supply centre) · **Pandrol Australia & Thailand** · **Bossard China & India** · **CRRC** · **CREC** · **CRCC**

Product Range

Category	Typical products / standards	Size range	Applications
T-bolts & hammer-head bolts	DIN 186, DIN 188, DIN 261, DIN 787, custom head forms	M5–M100, length 20–3,000 mm	Cast-in & bolt channels, T-slots, rail vehicles, machine building
Anchor & foundation bolts	Anchor bolts, embedded-channel T-bolts, lock plates	Per standard or drawing	Construction & infrastructure, super high-rise buildings
Rail fastening & track fittings	Clamp bolts, spikes, metro & utility-tunnel fittings	Per standard or drawing	High-speed rail, metro & transit, track systems
Anti-loosening nuts & locking devices	Flanged lock nuts (convex / concave), self-locking washers, cabinet & skirt locks	M5–M100	Vibration-duty connections on rolling stock and machinery
Commercial vehicle & automotive parts	Truck T-bolts, non-standard automotive parts	Per drawing	Commercial vehicles (IATF 16949 certified)
Wind power components	Blade bolts & nuts, high-tensile large-diameter bolts	Up to M100	Wind turbines, heavy-duty anti-corrosion duty
Agriculture & smart parking	U-bolts, spring bolts, T-head bolts	Per standard or drawing	Agricultural machinery, parking systems

Record part: M125 × 3,000 mm T-bolt — property class 8.8, material 42CrMoA, unit weight 296 kg. Proof of our capacity for oversized, extra-long special fasteners.

Customer-Specific Drawing Parts

- Send a drawing or a sample — first articles in **10–15 days**, flexible MOQ
- Engineering support for material selection, coating and fatigue/anti-loosening requirements
- Documentation pack on request: dimension reports, material certificates, salt spray and fatigue test reports, full lot traceability

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