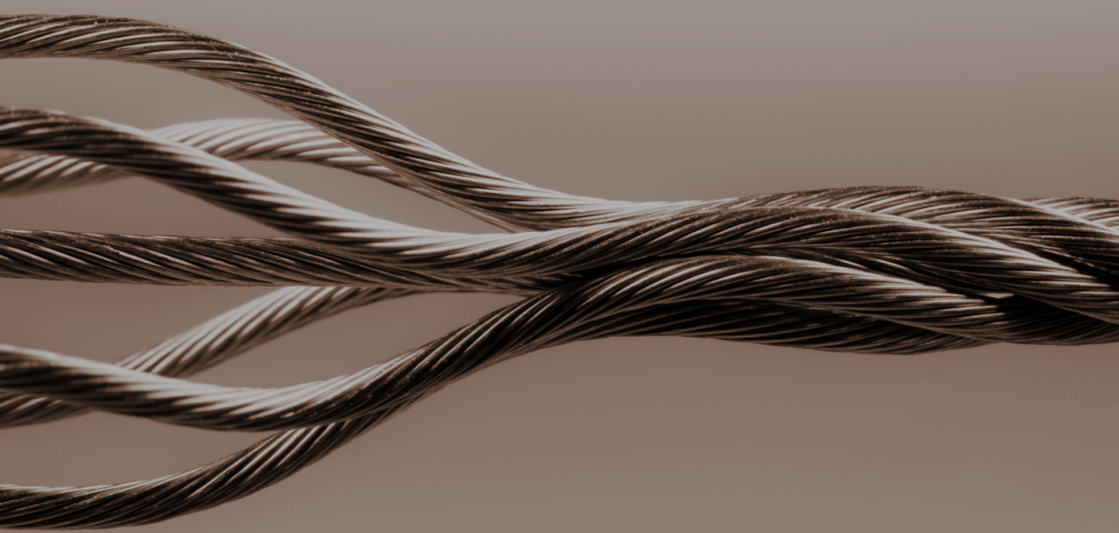




STRENGTH IN EVERY SOLUTION



At GONMO, we deliver high-performance steel solutions with a commitment to quality, reliability, and sustainability, empowering industries globally to build a stronger and more efficient future.

ABOUT US

GONMO International Trading Limited, a subsidiary of GONMO Group, is a leading supplier of high-performance steel solutions headquartered in Hong Kong. We specialize in sourcing and delivering a wide range of premium steel products, including wear-resistant steel, high alloy steel, bulletproof steel, engineering machinery steel, and silicon steel, to meet the diverse demands of global markets.

With a robust presence across Southeast Asia, the Middle East, Africa, South America, and Russia, GONMO International combines a world-class supply chain, advanced processing capabilities, and a strong commitment to quality to serve industries such as construction, automotive, energy, infrastructure, and heavy machinery.

Commitment to Excellence

At GONMO International, we unite proven expertise, uncompromising quality, and a customer-first mindset to deliver steel solutions precisely tailored to each client's needs. Guided by a global vision and supported by an extensive logistics network, we ensure seamless, efficient, and on-time delivery to markets worldwide.

From material sourcing and precision processing to technical guidance and streamlined logistics, we provide end-to-end solutions built on innovation, strength, and sustainability. Our commitment to technological advancement and environmental responsibility empowers industries to build a stronger, greener future—one project at a time.



Engineered for strength, built for performance –

our steel products deliver reliability and durability for every solution.



Wear-Resistant Steel

Designed for extreme durability, wear-resistant steel withstands abrasion and impact, making it essential for mining, construction, and heavy machinery. It extends equipment life and ensures reliable performance in tough conditions.



High Quality Tempered Wear-Resistant Steel

Currently, wear-resistant steel under 6 mm is mainly used in lightweight dumper carriage as the thinnest available specification is 2 mm. Its shape and bending properties are industry-leading in the domestic market (the only cargo carriage that side wall and bottom plate are made of 3mm wear-resistant steel). The advantages of wear-resistant dump trucks compared with traditional ones include:

- 1. Lightweight and reduced energy consumption - 50% and 33% weight reduction compared with 345 MPa and 700 MPa grades, respectively.
- 2. Enhanced wear resistance - 3.5 times higher wear resistance compared to standard materials, longer service life, and lower maintenance costs. and
- 3. Improved impact resistance of carriages under different working conditions.



Delivery Standard

STEEL GRADE	EXECUTIVE STANDARD	APPROXIMATED PRODUCTS	
		JFE	SSAB
NM400	GB/T 24186~2022	EH400	HARDOX400
NM450	GB/T 24186~2022	EH450	HARDOX450
NM500	GB/T 24186~2022	EH500	HARDOX500
NM550	GB/T 24186~2022	/	HARDOX550
NM600	GB/T 24186~2022	/	HARDOX600

STEEL GRADE	YIELD STRENGTH (MPa)	TENSILE STRENGTH (MPa)	ELONGATION A50mm(%)	BRINELL HARDNESS (HBW)	AVAILABLE SPECIFICATION (mm)
NM400	≥ 1000	≥ 1200	≥ 10	370~430	2.0-25.0 × 1000-2050
NM450	≥ 1100	≥ 1250	≥ 7	420~480	2.0-25.0 × 1000-2050
NM500	≥ 1200	≥ 1500	≥ 7	≥ 470	2.0-25.0 × 1000-2050
NM550	/	≥ 1650	≥ 6	≥ 530	4.0-25.0 × 1000-2050
NM600	/	≥ 1750	≥ 5	≥ 570	4.0-25.0 × 1000-2050

High Toughness Crack Resistant and Wear-Resistant Steel

High toughness crack-resistant and wear-resistant steel NM400Tuf-NM500Tuf of LY Steel, the latest upgrade of traditional wear-resistant steel, is the best strength and toughness combination for wear resistance for construction machinery in the domestic market. Cracking and crack propagation are inhibited by significantly improving impact toughness while maintaining the same product strength and hardness. For instance, the impact property of NM450Tuf at -20°C can reach more than 100J, which is about 60%-80% higher than traditional wear-resistant steel, and up to 4 times the national standard.



STEEL GRADE	YIELD STRENGTH (MPa)	TENSILE STRENGTH (MPa)	ELONGATION A50mm(%)	BRINELL HARDNESS (HBW)	IMPACT ENERGY (KV ₂ ,J)	AVAILABLE SPECIFICATION (mm)
NM400Tuf	≥ 1000	≥ 1200	≥ 10	370~430	≥ 48	2.0~25.0 × 1000~2050
NM450Tuf	≥ 1100	≥ 1300	≥ 7	420~480	≥ 48	2.0~25.0 × 1000~2050
NM500Tuf	≥ 1200	≥ 1500	≥ 7	≥ 470	≥ 38	4.0-25.0 × 1000-2050

Super Wear-Resistant Steel

The wear-resistance of the wear-resistant steel is enhanced by the precipitation of superhard TiC particles. Its hardness and mechanical properties are equivalent to those of NM450, but the wear-resistance is 1.6 times greater than that of ordinary NM450 and 1.3 times greater than that of NM550. LY Steel has successfully completed the task of "Industrial production of domestic extreme thin-gauge (4 ×2000mm) NM450SP" in the " 13th Five-Year" national key research and development project, which has advantages of strong plastic toughness and improved wear-resistance.

STEEL GRADE	YIELD STRENGTH (MPa)	TENSILE STRENGTH (MPa)	ELONGATION A50mm(%)	BRINELL HARDNESS (HBW)	AVAILABLE SPECIFICATION (mm)
NM450SP	≥ 1100	≥ 1300	≥ 7	420~480	3.0~25.0 × 1000-2050



Corrosion Resistant and Wear-Resistant Steel

The corrosion and wear-resistant steel developed by LY Steel is primarily used in industries such as sanitation trucks, dredging projects, and dredging pipelines. When corrosion-related wear occurs, the material's wear resistance is influenced by its corrosion resistance, and simply increasing hardness cannot effectively address the issue of poor wear performance. This product is based on low-alloy wear-resistant steel, enhanced with special compositions to improve self-corrosion potential, reduce self-corrosion current density, and minimize the impact of corrosion on wear.

STEEL GRADE	YIELD STRENGTH (MPa)	TENSILE STRENGTH (MPa)	ELONGATION A50mm(%)	BRINELL HARDNESS (HBW)	AVAILABLE SPECIFICATION (mm)
NMS450-1	≥ 1100	≥ 1300	≥ 7	≥ 420	3.0~25.0 × 1000-2000
NMS450-2	≥ 1100	≥ 1300	≥ 7	≥ 420	3.0~25.0 × 1000-2000

High Temperature and Wear-Resistant Steel

In domestic metallurgy, coking, and related industries, high-temperature and wear-resistant components are commonly manufactured using carbon steel with ceramic lining plates. However, these materials often present challenges such as reduced safety, excessive weight, and high costs. High-temperature and wear-resistant steel offers a superior alternative, addressing the demand for lighter weight, extended service life, and cost efficiency for critical components. NM450HiTemp is a high-performance steel specifically designed for high-temperature and wear-resistant applications, providing a reliable and cost-effective solution for operating conditions between 300°C and 500°C.



STEEL GRADE	YIELD STRENGTH (MPa)	TENSILE STRENGTH (MPa)	ELONGATION A50mm(%)	BRINELL HARDNESS (HBW)	AVAILABLE SPECIFICATION (mm)
NM450HiTemp	≥ 1100	≥ 1300	≥ 7	≥ 420	2.0~25.0 × 1000~2050
NM450HiT	≥ 1100	≥ 1300	≥ 8	≥ 420	2.0~25.0 × 1000~2050
NM500HiT	≥ 1200	≥ 1500	≥ 8	≥ 470	2.0~25.0 × 1000~2050



Wear-Resistant Steel for Concrete Mixer Drum

LY Steel's NM300TP can be reliably produced in a thin thickness of 3.0mm, achieving domestic leading levels in yield ratio, shape, and other performance indicators. The use of ultra-thin, high-strength NM300TP significantly enhances the core competitiveness of mixer products. Compared to ordinary trucks, the weight of the drum can be reduced by 30-40%. Additionally, the welding required for full-width plates (1800mm) can be reduced by over 30%, while cutting processes are decreased by more than 40%, leading to a reduction in manufacturing costs of over 30%. Furthermore, the service life of the carriage is 1-3 times longer than traditional carbon steel or high-strength steel, lowering operational costs throughout the vehicle's lifecycle.

STEEL GRADE	YIELD STRENGTH (MPa)	TENSILE STRENGTH (MPa)	ELONGATION A50mm(%)	BRINELL HARDNESS (HBW)	AVAILABLE SPECIFICATION (mm)
NM300TP	≥ 600~800	≥ 900	≥ 8	≥ 270	3.0~5.0×1000~1800

High Alloy Steel

Designed for strength and precision, high alloy steel resists corrosion, heat, and wear, making it ideal for demanding applications in energy, mining, and transportation ship.





High Manganese Wear-Resistant Steel

High manganese austenitic steel such as Mn13 and X120Mn12 have good toughness and remarkable surface hardening properties. Under strong impact or extrusion, the surface hardness can increase significantly from HB200 to over HB750, while the core of steel plate retains good impact toughness. It is widely used in mining equipment, machinery manufacturing industry, such as shot blasting equipment, large-scale jaw crusher, etc.

STEEL GRADE	YIELD STRENGTH (MPa)	TENSILE STRENGTH (MPa)	ELONGATION A50mm(%)	BRINELL HARDNESS (HBW)	AVAILABLE SPECIFICATION (mm)
Mn13	≥ 300	≥ 700	≥ 24	≥ 170	3.0~25.0 × 1000~2050
X120Mn12	≥ 300	≥ 700	≥ 20	≥ 170	3.0~25.0 × 1000~2050

High Manganese Low Temperature Pressure Vessel Steel

HMA400 (Mn24) offers excellent low-temperature resistance and wear resistance, maintaining stability even in ultra-low temperatures of -196°C. This makes it an ideal material for manufacturing LNG fuel storage tanks. Compared to 9Ni steel, the most commonly used steel for LNG fuel storage tanks, 24% manganese steel provides advantages such as higher production yield and lower cost.

STEEL GRADE	YIELD STRENGTH (MPa)	TENSILE STRENGTH (MPa)	ELONGATION A50mm(%)	IMPACT ENERGY (KV _u ,J)	AVAILABLE SPECIFICATION (mm)
HMA400	≥ 400	800~950	≥ 35	≥ 60	3.0~25.0 × 1000~2050
Q400GMDR	≥ 400	≥ 800~950	≥ 35	≥ 80	3.0~25.0 × 1000~2050



High Manganese Non-Magnetic Steel

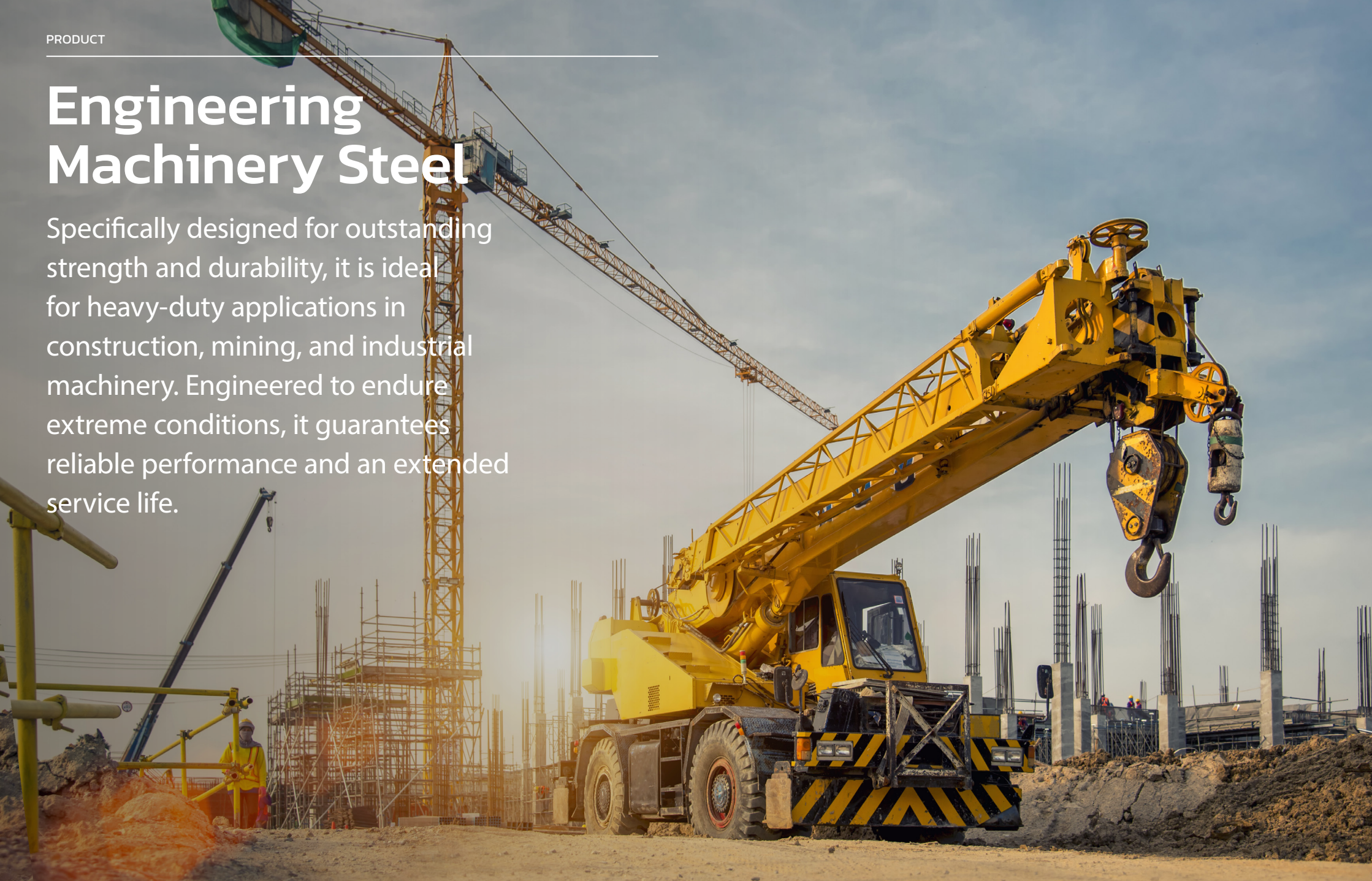
20Mn23AlV features extremely low magnetic permeability, excellent mechanical properties, and good processability. It can serve as a substitute for low-magnetic austenitic stainless steel in the production of non-magnetic components for transformers, generators, special smelting furnaces, and other equipment, effectively preventing radiation and ensuring safe operation. Its applications include:

1. Structural components for magnetic shielding and tensile plates for core limbs in oil tanks of large and medium-sized transformers;
2. Structural parts such as stator coil rings and protective rings in large and medium-sized generators;
3. High-voltage casing components and adjacent steel structures in high-voltage, high-current transmission lines.

STEEL GRADE	YIELD STRENGTH (MPa)	TENSILE STRENGTH (MPa)	ELONGATION A50mm(%)	ABSOLUTE PERMEABILITY (H/m)	AVAILABLE SPECIFICATION (mm)
20Mn23AlV	≥ 225	≥ 520	≥ 30	≤ 1.319 × 10 ⁻⁶	3.0~25.0 × 1000~2050

Engineering Machinery Steel

Specifically designed for outstanding strength and durability, it is ideal for heavy-duty applications in construction, mining, and industrial machinery. Engineered to endure extreme conditions, it guarantees reliable performance and an extended service life.



Engineering Machinery Steel

LY Steel's engineering machinery steel offers high strength, excellent formability, superior surface quality, precise thickness accuracy, and reliable weldability. With a yield strength range of 460–1400 MPa and thickness options from 2.0 to 25.4 mm, it is extensively used in machinery, coal mining, transportation, and various engineering construction applications. Common uses include drilling machines, electric furnaces, electric wheel dumps, excavators, loaders, bulldozers, hydraulic aerial cages, lifting equipment, coal mine hydraulic supports, and other mechanical equipment.



Delivery Standard

TYPE	GRADE	STANDARD	APPLICATION
Engineering machinery steel	LG600, LG700, LG600T/TE, LG700T/TE, LG800T, LG700T-GJ, GJ900T, LG600QT, LG700QT, LG700QT-GLC, LG800QT, G900QT, LG960QT, LG1100QT, LG1300QT, LG1400QT	Technical agreement	Used for truck crane jib, turntable; main beam of special container, large engineering equipment structure, heavy vehicle structure, etc
High strength structural steel	Q460, Q500, Q550, Q620, Q690, Q800, Q890, Q960, Q1100, Q1300, Q1400	GB/T 16270-2009 GB/T 28909-2012	Used for metal structure and welding structural parts of bridge, chemical, mining, construction machinery and other equipment



Delivery Standard

STEEL GRADE	THICKNESS (mm)	REL (MPa)	RM (MPa)	A (%)	0°C (KV ₂ ,J)	-20°C (KV ₂ ,J)	-40°C (KV ₂ ,J)	COLD BENDING	DELIVERY STATE
Q460C	3~25	≥ 460	550~720	≥ 17	≥ 34	≥ 47	≥ 47	d=2a	As-hot-rolled
Q550C / D / E	2~16	≥ 550	670~830	≥ 16	≥ 47	≥ 47	≥ 47	d=2a	As-hot-rolled
LG600 / 600T / 600TE / 600T-GJ / 700TF*	3~16	≥ 620	690~880	≥ 17	/	≥ 47	≥ 27	d=2a	As-hot-rolled As-tempered
LG600QT	3~25	≥ 600	670~830	≥ 16	/	≥ 47	≥ 34	d=3a	As-quenched and tempered
LG700 / 700T / 700TE / 700T-GJ	3~12	≥ 690	770~950	≥ 15	/	≥ 47	≥ 27	d=3a	As-hot-rolled As-tempered
LG700QT / LG700QT-GLC	3~25	≥ 680	770~950	≥ 14	/	≥ 47	≥ 34	d=3a	As-quenched and tempered
LG800T	3~8	≥ 800	≥ 840	≥ 13	/	≥ 40	≥ 27	d=4a	As-tempered
LG800QT	3~25	≥ 800	≥ 850	≥ 12	/	≥ 47	≥ 34	d=4a	As-quenched and tempered
GJ900T	2~6	≥ 900	≥ 950	≥ 10	/	≥ 47	/	d=4a	as-tempered
LG900QT	3~25	≥ 900	950~1150	≥ 10	/	≥ 47	≥ 34	d=6a	As-quenched and tempered
LG960QT	2.5~25	≥ 960	980~1150	≥ 10	/	≥ 47	≥ 34	d=6a	As-quenched and tempered
LG1100QT	4~25	≥ 1100	1200~1550	≥ 9	/	/	≥ 34	d=8a	As-quenched and tempered
LG1300QT	4~25	≥ 1300	1350~1700	≥ 8	/	/	≥ 27	d=8a	As-quenched and tempered
LG1400QT	4~25	≥ 1400	1450~1900	≥ 8	/	/	≥ 27	d=9a	As-quenched and tempered

*LG700TF, -60°C, KV₂>27J

Steel Grade Table

STEEL GRADE	GB/T 1591-2018	GB/T 16270-2009	GB/T 28909-2012	EN 10149.2-1996	EN 10025.6-2019
Q460C/D/E	Q460C/D/E	/	/	S460MC	/
Q550C/D/E	Q550C/D/E	/	/	S550MC	S550Q/QL/QL1
LG600/600T/ 600TE/600T-GJ	Q620D/E	Q620D/E	/	S600MC	/
LG600QT	/	Q620D/E/F	/	S600MC	S620Q/QL/QL1
LG700/700T/ 700TE/700T-GJ	/	Q690D/E	/	S700MC	/
LG700D/E-QT	/	Q690D/E/F	/	S700MC	S690Q/QL/QL1
LG800T	/	Q800D/E	/	/	/
LG800QT	/	Q800D/E/F	/	/	/
LG900T	/	Q900D/E	/	/	/
LG900QT	/	Q900D/E/F	/	/	S890Q/QL/QL1
LG960QT	/	Q960D/E/F	/	/	/
LG1100QT	/	/	Q1100D/E	/	S1100Q/QL/QL1
LG1300QT	/	/	Q1300D/E	/	/
LG1400QT	/	/	/	/	/

Product Features

Thickness tolerance	Stricter than higher accuracy requirements of Table 5 in GB/T 709
Uniformity of properties	Quenched and tempered steel, as well as tempered plates, exhibit more stable mechanical properties with a property fluctuation of less than 30 MPa across the entire coil.
Bending property	Ultra-high-strength steel offers excellent formability, with 960 MPa high-strength steel meeting the bending requirement of d=6a.
Surface quality	The pickling production line and pretreatment process are fully equipped to perform surface treatments based on user requirements. The treated surface is smooth, free from hardening, and dust-free.
Plate shape *	The flatness of quenched and tempered sheets, as well as tempered sheets, can be controlled to ≤5 mm/m in any direction. Low internal stress reduces profile issues caused by cutting: 1. For sheets shorter than 5000 mm, the camber length after cutting is less than 0.1% of the total length; 2. For sheets 5000–8000 mm long, the camber length is ≤5 mm; 3. For sheets 8000–10,000 mm long, the camber length is ≤8 mm.
Packaging	We can provide ordinary and exquisite packaging for export.

* Property varies slightly according to steel grade and specification



Have questions or need more information? Our team is here to assist you with all your inquiries. Reach out to us today, and let's build solutions together.

 1401, ONE PORTSIDE, 29 Tai Yau Street, Hong Kong

 www.linkedin.com/company/gonmo/

 www.gonmo.co

 hello@gonmo.co

GONMO INTERNATIONAL TRADING LIMITED



