



HOT-DIP GALVANIZED WIRE

DURABLE ZINC COATING | OUTDOOR PROTECTION | CUSTOMIZED SUPPLY | 2026

Durable zinc protection for demanding outdoor applications.

Selected low-carbon or high-carbon steel wire protected by immersion in molten zinc for fencing, wire mesh, agriculture, construction and industrial processing.

DIAMETER RANGE

0.50-6.00 mm or customized to the confirmed purchase order.

ZINC COATING

Typically 40-300 g/m² or customized for the approved application.

TENSILE OPTIONS

350-550 MPa; soft, medium or hard temper can be coordinated.

SHIJIAZHUANG EVERSTAR HARDWARE MACHINERY CO., LTD.

Quality creates long-term partnerships.

PHONE

+86 199 3304 4444

WHATSAPP

+86 199 3304 4444

EMAIL

Lewis@everstarsteelproducts.com

02 PRODUCT CATALOGUE

EVERSTAR AT A GLANCE

Wire-processing experience, controlled production and export support



EVERSTAR MANUFACTURING SITE | WUJI, SHIJIAZHUANG, HEBEI, CHINA

Founded in 1999, Shijiazhuang Everstar Hardware Machinery Co., Ltd. has developed from a wire-processing factory into a global construction-hardware manufacturer. Hot-dip galvanized wire is supplied for buyers requiring durable zinc protection in outdoor, humid and demanding working environments.

Production is coordinated against the confirmed diameter, zinc-coating weight, tensile strength, temper, elongation, coil or spool configuration, labels and export packing of each order.

1999 ESTABLISHED	58,000 m² FACTORY AREA	45 PRODUCTION LINES
210 EMPLOYEES	25 R&D ENGINEERS	10 QC INSPECTORS

Buyer Support

01 Specification confirmation Diameter, zinc coating, tensile strength, temper and elongation.	02 Customization Coil weight, winding, labels, inner packing, bags, cartons and pallets.
03 Quality coordination Sample approval, inspection plan and order-specific acceptance records.	04 Export support Moisture protection, shipping marks and commercial documents.

PRODUCT OVERVIEW

Durable zinc-coated steel wire for outdoor, humid and demanding environments



EVERSTAR Hot-Dip Galvanized Wire is manufactured from selected low-carbon or high-carbon steel wire and protected by immersion in molten zinc. The resulting zinc layer provides strong corrosion resistance and can present a bright silver, gray or slightly textured appearance.

Final acceptance follows the written purchase order or approved sample. Confirm diameter in millimetres together with steel grade, zinc-coating weight, tensile strength, temper, elongation, coil or spool configuration and packing.

Core Product Advantages

DURABLE ZINC PROTECTION A substantial zinc layer supports outdoor and humid-environment performance.	CONSISTENT PERFORMANCE 350-550 MPa supply range with soft, medium or hard temper options.	FLEXIBLE SUPPLY FORMS Small coils, large coils, spools or jumbo coils with customized packing.
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HOT-DIP PROTECTION & SUPPLY FORMS

Molten-zinc protection with order-specific dimensions, coating weight and coil configuration



Hot-dip galvanizing immerses properly prepared steel wire in molten zinc. The process forms a durable protective layer that offers strong corrosion resistance for fencing, agricultural, construction and other outdoor or humid applications.

SMALL COILS Unit weight, winding and inner dimensions are confirmed for handling and distribution.	SPOOLS Spool dimensions and unit weight are customized to the buyer's equipment and packing plan.	LARGE / JUMBO COILS Large coils or jumbo coils can be coordinated for industrial processing and efficient handling.
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Confirm Before Production

01 ZINC COATING Typically 40-300 g/m ² , or customized to the approved application.	02 MECHANICAL PERFORMANCE Confirm 350-550 MPa target range, temper and elongation requirement.
03 DIMENSIONS Confirm diameter, tolerance, coil weight, inner diameter and spool size where applicable.	04 APPLICATION Identify fencing, mesh, agriculture, construction or industrial processing.

COATING NOTE | Final zinc-coating weight, appearance and acceptance basis follow the confirmed purchase order or approved sample.

TECHNICAL SPECIFICATIONS

Commercial supply scope based on the confirmed EVERSTAR hot-dip galvanized wire specification

FINAL PRODUCT REQUIREMENTS FOLLOW THE PURCHASE ORDER, APPROVED SAMPLE AND CONTRACT.

PARAMETER	STANDARD SUPPLY / AVAILABLE OPTION
Product	Hot-Dip Galvanized Wire
Alternative names	Hot-Dipped Galvanized Wire / Hot-Dip Galvanized Iron Wire / HDG Wire
Brand	EVERSTAR
Material	Low-carbon or high-carbon steel
Steel grade	Q195, Q235, SAE1006, SAE1008 or customized
Wire diameter	0.50-6.00 mm or customized
Galvanizing method	Immersion in molten zinc
Zinc-coating weight	Typically 40-300 g/m² or customized
Tensile strength	350-550 MPa or according to application
Temper	Soft, medium or hard
Elongation	According to confirmed requirements
Surface	Bright silver, gray or slightly textured
Wire form	Small coils, large coils, spools or jumbo coils
Coil / spool	Coil weight and spool dimensions customized
Packing	Plastic film, woven bags, cartons or pallets
OEM / origin	Customized diameter, coating, strength, coil, label and packing; Hebei, China

Specification note: final tolerances, elongation, coating acceptance, coil configuration and packing follow the written purchase order or approved sample.

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DIAMETER & THEORETICAL WEIGHT REFERENCE

Millimetre diameter is the acceptance basis; weights support quotation planning

Theoretical base-steel weights below use density 7.85 g/cm³. Hot-dip zinc coating and production tolerance affect the actual finished weight, which is confirmed by the order and packing record.

WIRE DIAMETER	THEORETICAL BASE-STEEL WEIGHT (KG/KM)
0.50 mm	1.54
0.70 mm	3.02
0.80 mm	3.95
1.00 mm	6.17
1.20 mm	8.88
1.60 mm	15.78
2.00 mm	24.66
2.50 mm	38.53
3.00 mm	55.49
4.00 mm	98.64
5.00 mm	154.13
6.00 mm	221.94

Calculation Reference

THEORETICAL KG/KM = 6.165 × d² | d = NOMINAL WIRE DIAMETER IN mm

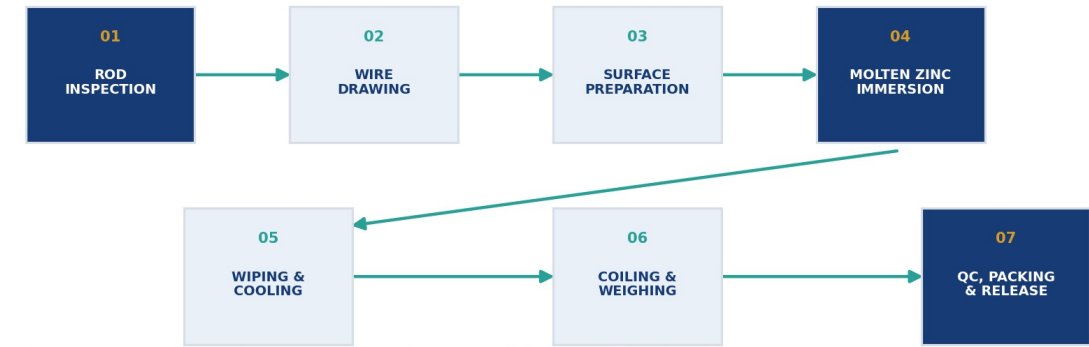
MILLIMETRES FIRST Confirm actual diameter in mm; gauge references are secondary.	FINISHED WEIGHT Hot-dip zinc adds mass; actual net coil weight follows the packing record.	SUPPLY CONFIGURATION Small coil, large coil, spool or jumbo-coil details are buyer-confirmed.
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07 PRODUCT CATALOGUE

MANUFACTURING & QUALITY CONTROL

Controlled drawing, surface preparation, molten-zinc immersion, cooling, coiling and release checks

CONTROLLED HOT-DIP GALVANIZED WIRE PRODUCTION FLOW



Surface preparation, molten-zinc immersion and final release are controlled against the confirmed order specification.

Selected steel is drawn to the confirmed size, cleaned and prepared before immersion in molten zinc. Wiping, cooling, coiling and final inspection are then performed against the order-approved diameter, coating, mechanical and packing requirements.

Quality Control Plan

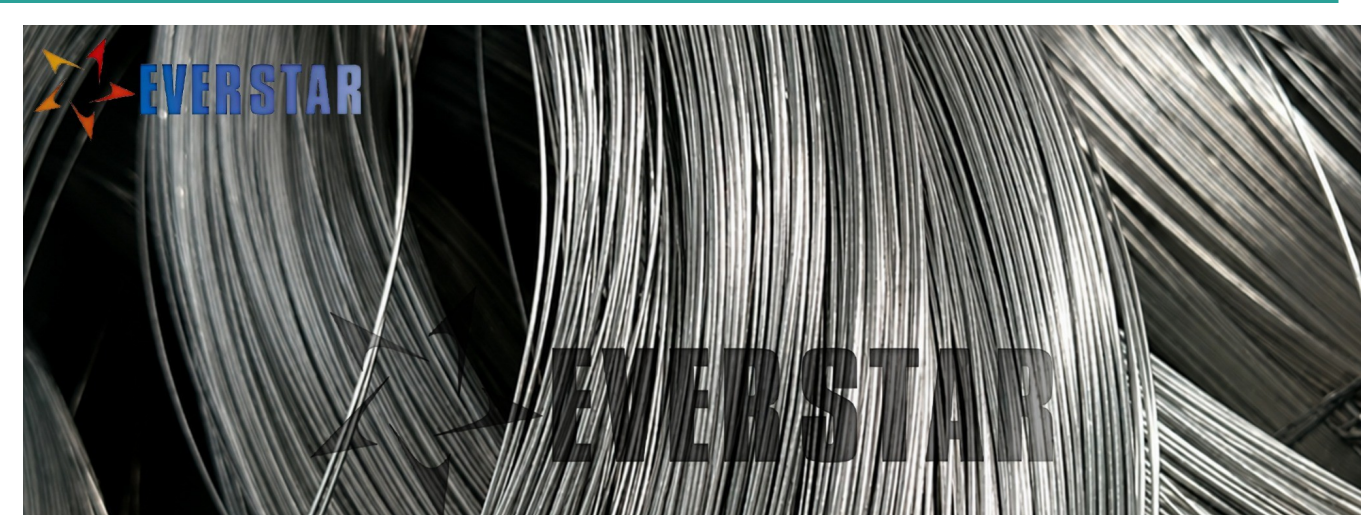
STAGE	CONTROL FOCUS	BASIS
Incoming material	Material/grade records and wire-rod condition	Each supplied lot
Diameter	Micrometer check against confirmed size and tolerance	Production lot
Surface preparation	Cleaning and preparation before molten-zinc immersion	Production setup
Zinc coating	Typically 40-300 g/m² and uniformity against the approved basis	As agreed
Performance	350-550 MPa target plus temper and elongation requirements	As agreed
Coil condition	Winding, coil weight and handling condition	Production lot
Packing	Protection, labels, shipping marks and pallet plan	Final release

RELEASE BASIS | Diameter + zinc coating + tensile / temper + elongation + supply form + packing

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PACKING & EXPORT PROTECTION

Customized coil, wrap and pallet plans for handling, storage and delivery



Packing Options

COILS / JUMBO COILS Buyer-specified net weight, winding, inner dimensions and securing method.	SPOOLS / CARTONS Spool dimensions, unit weight and carton arrangement customized for the order.	PALLETIZED EXPORT Coils, spools, cartons or bags arranged on pallets with confirmed shipping marks.
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Recommended Export Protection

01 MOISTURE-RESISTANT WRAP Plastic film or buyer-approved moisture-resistant inner protection.	02 BAG / CARTON SELECTION Woven bags or cartons selected according to coil size and handling route.
03 DESICCANT WHEN REQUIRED Quantity planned according to packing volume, transit and storage conditions.	04 LABEL & SHIPPING MARK Diameter, zinc coating, temper, unit weight, lot, brand and origin.

STORAGE NOTE | Keep hot-dip galvanized wire dry and protected from corrosive chemicals and trapped moisture.

09 PRODUCT CATALOGUE

APPLICATIONS & ORDER CONFIRMATION

Match zinc coating, diameter, temper and supply form to the actual use

Hot-dip galvanized wire is widely used for fencing, wire mesh, agriculture, construction and industrial processing. Final suitability depends on the confirmed environment, zinc-coating requirement, dimensions, mechanical performance and downstream process.

Application Areas

01 FENCING Outdoor fencing and boundary-wire production for buyer-confirmed environments.	02 WIRE MESH Weaving and fabrication for buyer-specified mesh products.	03 AGRICULTURE Farm fencing, support and general agricultural wire applications.
04 CONSTRUCTION Buyer-approved tying, fixing and construction-wire uses.	05 OUTDOOR FABRICATION Components requiring durable zinc protection in exposed conditions.	06 INDUSTRIAL PROCESSING Forming and component production for general manufacturing.

Purchase Order Checklist

ITEM	CONFIRM BEFORE MASS PRODUCTION
Wire	Diameter in mm, material/grade and tolerance
Steel grade	Q195, Q235, SAE1006, SAE1008 or approved equivalent
Zinc coating	Typically 40-300 g/m², required appearance or approved sample
Performance	350-550 MPa target, soft/medium/hard temper and elongation
Supply form	Small coil, large coil, spool or jumbo-coil configuration
Protection	Film, moisture barrier and desiccant requirements
Packing	Bag/carton/pallet, labels, shipping marks and documents
Approval	Sample, inspection report and final commercial specification

LIMITATION | Structural load, lifting, safety-critical or electrical use requires separate engineering and certification.

CONTACT EVERSTAR

Factory-direct support for Hot-Dip Galvanized Wire and customized wire products



QUALITY CREATES LONG-TERM PARTNERSHIPS

HOT-DIP GALVANIZED WIRE | HDG WIRE | CUSTOMIZED SUPPLY

Phone / WhatsApp: +86 199 3304 4444 | Email: Lewis@everstarsteelproducts.com

1999

ESTABLISHED

58,000 m²

FACTORY AREA

45

PRODUCTION LINES

SHIJIAZHUANG EVERSTAR HARDWARE MACHINERY CO., LTD.

Qiji Town Industrial Zone, Wuji County, Shijiazhuang City, Hebei Province, China

CUSTOMIZED MANUFACTURING | QUALITY CONTROL | EXPORT SUPPORT