



GALVANIZED STEEL WIRE

ELECTRO-GALVANIZED | HOT-DIP GALVANIZED | CUSTOMIZED SUPPLY | 2026

Bright surface. Controlled protection. Built to your specification.

Low-carbon steel wire with a zinc-coated surface for construction, fencing, wire mesh, agriculture, packaging and industrial manufacturing.

CUSTOM DIAMETER

0.50-6.00 mm supply scope; other sizes by confirmed agreement.

TWO GALVANIZING ROUTES

Electro-galvanized or hot-dip galvanized according to end use.

CUSTOM COIL SUPPLY

Tensile, zinc coating, coil weight, label and packing can be specified.

SHIJIAZHUANG EVERSTAR HARDWARE MACHINERY CO., LTD.

Quality creates long-term partnerships.

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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. Galvanized wire is supplied for buyers requiring a clean zinc-coated surface and order-specific corrosion protection.

Production is coordinated against the confirmed diameter, galvanizing method, zinc-coating requirement, tensile strength, elongation, coil weight, 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, galvanizing route, zinc coating, tensile 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

Zinc-coated low-carbon steel wire configured for the required application



Galvanized Steel Wire is low-carbon steel wire protected with a zinc-coated surface. EVERSTAR supplies electro-galvanized and hot-dip galvanized options, with the final route selected according to appearance, corrosion-resistance and downstream-processing requirements.

Final acceptance follows the written purchase order or approved sample. Diameter in millimetres should be confirmed together with steel grade, zinc-coating requirement, tensile strength, elongation, coil weight, winding and packing.

Core Product Advantages

UNIFORM GALVANIZED SURFACE Bright, smooth and consistently processed to the order-approved finish.	CUSTOM MECHANICAL OPTIONS Soft, medium or high tensile supply can be coordinated for the end use.	EXPORT-READY COILS Coil size, labels, moisture protection and pallet plan can be customized.
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04 PRODUCT CATALOGUE

GALVANIZING METHODS

Select the coating route for appearance, protection and service conditions



EVERSTAR offers two galvanizing routes. The confirmed zinc-coating requirement, finished appearance and performance standard should be stated on the quotation and purchase order.

01 ELECTRO-GALVANIZED WIRE Produced through an electrolytic galvanizing process. It has a smooth, bright and clean surface with good dimensional consistency.	02 HOT-DIP GALVANIZED WIRE Coated by passing prepared steel wire through molten zinc. It normally provides a heavier protective layer and better corrosion resistance.
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Selection & Confirmation

01 SERVICE ENVIRONMENT Confirm indoor, sheltered, outdoor or buyer-specific exposure conditions.	02 ZINC-COATING REQUIREMENT State the required coating basis or approve a reference sample before production.
03 MECHANICAL PERFORMANCE Confirm soft, medium or high tensile and any elongation requirement.	04 DOWNSTREAM PROCESSING Identify bending, weaving, welding, forming or other manufacturing operations.

COATING NOTE | Zinc-coating weight is customized according to the confirmed application and order.

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TECHNICAL SPECIFICATIONS

Commercial supply scope based on the confirmed galvanized-wire specification

FINAL PRODUCT REQUIREMENTS FOLLOW THE PURCHASE ORDER, APPROVED SAMPLE AND CONTRACT.	
PARAMETER	STANDARD SUPPLY / AVAILABLE OPTION
Product	Galvanized Steel Wire
Brand	EVERSTAR
Material	Low-carbon steel
Steel grade	Q195 or buyer-approved equivalent
Wire diameter	0.50-6.00 mm or customized
Galvanizing method	Electro-galvanized or hot-dip galvanized
Zinc-coating weight	Customized according to the application
Tensile strength	Soft, medium or high tensile
Elongation	According to customer requirements
Surface	Bright, smooth and uniformly galvanized
Coil weight	Customized
Coil type	Small coils, large coils or spools
Packing	Plastic film, woven bags, cartons or pallets
Rust protection	Zinc coating and moisture-resistant export packing
OEM / origin	OEM service available; Hebei, China

Specification note: gauge numbers vary by system. Confirm the actual wire diameter in millimetres on every quotation, label and purchase order.

06 PRODUCT CATALOGUE

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. 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 x d² | d = NOMINAL WIRE DIAMETER IN mm

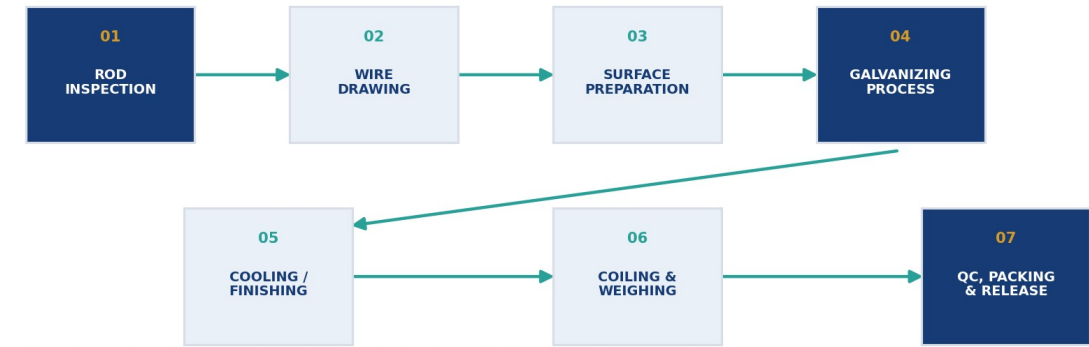
MILLIMETRES FIRST Confirm actual diameter in mm; gauge references are secondary.	FINISHED WEIGHT Zinc coating adds mass; actual net coil weight follows the packing record.	COIL CONFIGURATION Inner diameter, outer size, winding and coil weight are buyer-confirmed.
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MANUFACTURING & QUALITY CONTROL

Controlled drawing, galvanizing, coiling and order-specific release checks

CONTROLLED GALVANIZED-WIRE PRODUCTION FLOW



Electro-galvanized and hot-dip galvanized products follow different order-approved process routes.

The manufacturing route depends on the selected galvanizing method and required mechanical performance. Electro-galvanized and hot-dip galvanized wire therefore follow separate, order-approved process conditions before final coiling and packing.

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
Galvanizing route	Electro or hot-dip process against the order	Production setup
Zinc coating	Coating requirement and uniformity according to the approved basis	As agreed
Performance	Tensile and elongation checks according to the approved requirement	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 + galvanizing route + coating requirement + performance + coil + packing

PACKING & EXPORT PROTECTION

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



Packing Options

SMALL COILS / SPOOLS Compact unit weight and winding selected for manual handling or processing.	LARGE COILS Buyer-specified net coil weight, winding and securing method.	PALLETIZED EXPORT Coils, 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, galvanizing method, coating basis, coil weight, lot and origin.

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

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APPLICATIONS & ORDER CONFIRMATION

Match coating route, diameter and mechanical properties to the actual use

Galvanized wire is used for fastening, weaving, forming and further manufacturing. Final suitability depends on the confirmed environment, zinc-coating requirement, dimensions, mechanical performance and processing method.

Application Areas

01 CONSTRUCTION General tying, fixing and buyer-approved construction uses.	02 FENCING Fence production, securing and related downstream processing.	03 WIRE MESH Weaving and fabrication for buyer-specified mesh products.
04 AGRICULTURE Plant support, vineyard, gardening and farm applications.	05 PACKAGING Bundling and fastening for products and materials.	06 MANUFACTURING Forming, component production and industrial processing.

Purchase Order Checklist

ITEM	CONFIRM BEFORE MASS PRODUCTION
Wire	Diameter in mm, material/grade and tolerance
Method	Electro-galvanized or hot-dip galvanized
Zinc coating	Required coating basis, appearance or approved sample
Performance	Soft/medium/high tensile and elongation requirement
Coil	Net weight, winding, inner diameter or spool 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 Galvanized Wire and customized wire products



QUALITY CREATES LONG-TERM PARTNERSHIPS

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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