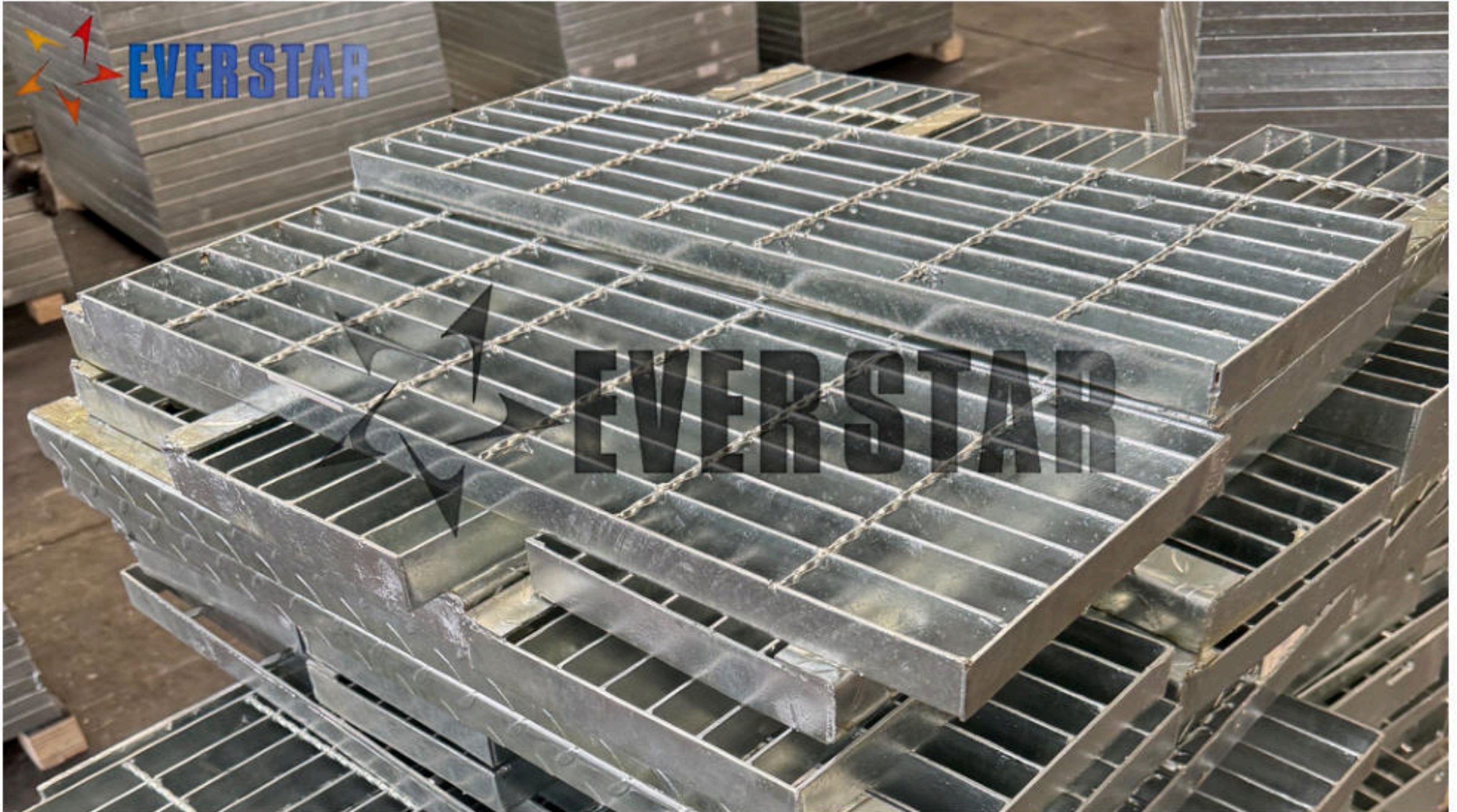




STEEL GRATING

WELDED | PRESSURE-LOCKED | PLAIN / SERRATED | 2026

Engineered open-grid flooring, fabricated to approved drawings.

EVERSTAR Steel Grating is fabricated from load-bearing bars joined by cross bars to form rigid open-grid panels. Carbon-steel and stainless-steel options, plain or serrated top surfaces, custom panel sizes, banding, cut-outs, toe plates and fastening clips are available for platforms, walkways, stair treads, trench covers and industrial flooring.

BEARING BAR

20 x 3 mm to 75 x 10 mm, plain, serrated or I-bar.

STANDARD PITCH

Bearing bars 15-60 mm; cross bars 50-100 mm or customized.

FINISH OPTIONS

Hot-dip galvanized, untreated, painted or stainless-steel finish.

SHIJIAZHUANG EVERSTAR HARDWARE MACHINERY CO., LTD.

Quality creates long-term partnerships.

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EVERSTAR AT A GLANCE

Drawing control, coordinated fabrication and export support



EVERSTAR MANUFACTURING SITE | WUJI, SHIJIAZHUANG, HEBEI, CHINA

Founded in 1999, Shijiazhuang Everstar Hardware Machinery Co., Ltd. supplies wire, fencing and fabricated steel products for international construction and industrial projects. Steel Grating is coordinated from approved drawings through bar preparation, welding or pressure locking, panel cutting, banding, cut-outs, finishing, inspection and export packing. Every order is reviewed against the specified material, bearing-bar direction, bar size, spacing, support span, panel layout, cut-outs, edge treatment, fasteners, surface finish, markings and packing requirements.

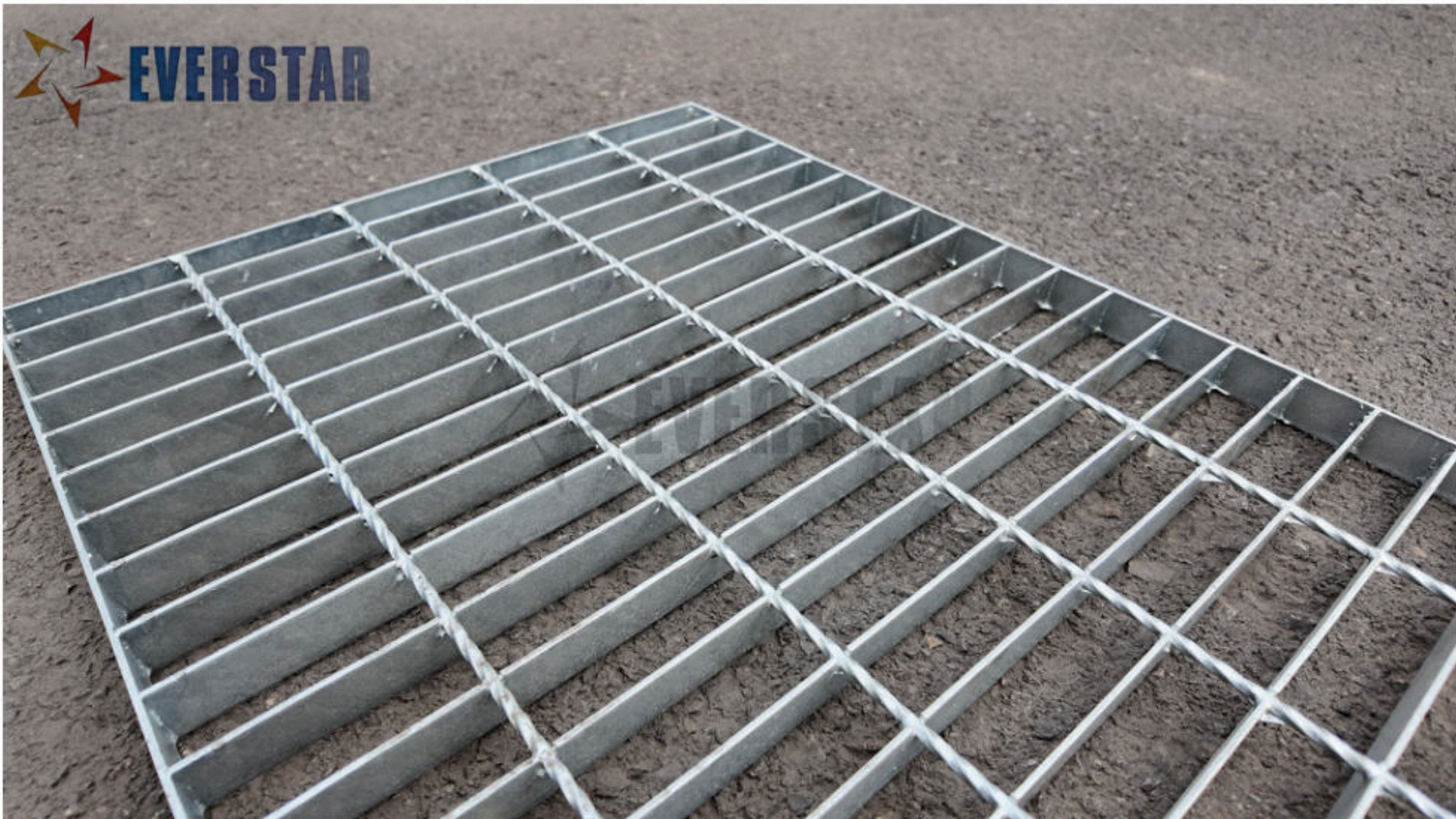
1999 ESTABLISHED	58,000 m² FACTORY AREA	45 PRODUCTION LINES
210 EMPLOYEES	25 R&D ENGINEERS	10 QC INSPECTORS

Buyer Support

01 Drawing confirmation Panel dimensions, bearing direction, bar sizes, pitches, cut-outs, banding and clips.	02 Engineering coordination Load type, support span and deflection criteria are confirmed before fabrication.
03 Quality coordination Material, dimensions, flatness, welds, finish, unit marking and packaging are checked.	04 Export support Bundle design, spacers, straps, shipping marks and commercial documents are coordinated.

PRODUCT OVERVIEW

Open-grid panels for safe access, drainage, ventilation and industrial flooring



Steel Grating, also known as Bar Grating, Floor Grating, Metal Grating or Platform Grating, is made from parallel bearing bars connected by cross bars. The bearing bars transfer applied loads toward supports; cross bars maintain spacing and provide lateral stability.

The open-grid construction provides drainage, ventilation, light transmission and debris passage while reducing panel weight. Correct selection depends on load values, support span, deflection limit, bearing-bar size and pitch, cross-bar pitch, material grade, top surface and environment.

Core Product Advantages

SELECTED MATERIAL Q235, ASTM A36, S235JR, SS304, SS316 or an agreed equivalent can be coordinated.	CONTROLLED FABRICATION Bar dimensions, pitches, squareness, flatness, welds, banding and finish are inspected.	DRAWING-BASED SUPPLY Panel layouts, cut-outs, toe plates, clips, labels and packing can be customized.
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STRUCTURE & PRODUCT TYPES

Bearing bars, cross bars, edge treatment and application-specific fabrication



Bearing bars run in the load-carrying direction and must be supported at both ends. Cross bars are welded or pressure-locked across them to maintain the specified spacing. Banding bars, toe plates, frames and cut-outs are added where required by the approved panel drawing.

BEARING BARS Plain flat, serrated flat or I-bars; size and direction follow the load design and drawing.	CROSS BARS Twisted square, round or flat bars hold the specified bearing-bar pitch and panel geometry.	EDGE DETAILS Welded banding bars, toe plates, frames, openings and clips are coordinated by panel location.
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Available Product Forms

01 WELDED GRATING Bearing and cross bars are resistance-welded into a rigid, economical open-grid panel.	02 PRESSURE-LOCKED Cross bars are mechanically pressed into bearing bars for precise architectural patterns.
03 PLAIN / SERRATED Plain tops suit general access; serrated tops improve slip resistance where specified.	04 SPECIAL TYPES Heavy-duty, close-mesh, stainless-steel and custom-framed grating can be fabricated.

IMPORTANT | The bearing-bar direction is the load-carrying direction. Panel orientation and support locations must match the approved drawing.

TECHNICAL SPECIFICATIONS

Commercial supply scope based on approved drawings and confirmed project requirements

FINAL BAR SIZES, SPACING, PANEL DIMENSIONS AND SUPPORT CONDITIONS FOLLOW APPROVED DRAWINGS.

PARAMETER	STANDARD SUPPLY / AVAILABLE OPTION
Product name	Steel Grating
Alternative names	Bar Grating / Floor Grating / Metal Grating / Platform Grating
Brand	EVERSTAR
Material	Carbon Steel or Stainless Steel
Carbon-steel grade	Q235 / ASTM A36 / S235JR or equivalent
Stainless-steel grade	SS304 / SS316 or required grade
Bearing-bar type	Plain Flat Bar / Serrated Flat Bar / I-Bar
Bearing-bar size	20 x 3 mm to 75 x 10 mm or customized
Bearing-bar pitch	15-60 mm or customized
Cross-bar type	Twisted Square Bar / Round Bar / Flat Bar
Cross-bar pitch	50-100 mm or customized
Panel width	Up to approximately 1,200 mm or customized
Panel length	Up to approximately 6,000 mm or customized
Edge treatment	Welded Banding Bar / Toe Plate / Custom Frame
Surface finish	Hot-Dip Galvanized / Untreated / Painted / Stainless-Steel Finish
Top surface	Plain or Serrated
Fabrication	Welded / Pressure-Locked / Customized
Fixings	Saddle Clips / M-Clips / C-Clips / Bolts / Customized
Applications	Platforms / Walkways / Stair Treads / Trench Covers / Industrial Flooring
OEM service	Material, bar size, pitch, panel size, cut-outs, finish and packaging
Origin / manufacturer	Hebei, China / SHIJIAZHUANG EVERSTAR HARDWARE MACHINERY CO., LTD.

Specification note: these are common supply ranges. Final bar size, spacing, panel size, support span, load capacity, cut-outs, tolerances and finish must be confirmed by approved drawings and project-specific structural calculations.

BEARING-BAR SELECTION GUIDE

Common references for preliminary discussion - not a substitute for structural design

Bearing-bar depth, thickness and pitch must be selected together with the clear support span, load type, load magnitude, deflection limit and service environment. The examples below are commercial references only and do not state or guarantee a load capacity.

BEARING-BAR SIZE	COMMON REFERENCE USE	SELECTION NOTE
20 x 3 mm	Light-duty access / ventilation	Short, controlled spans
25 x 3 mm	Pedestrian walkways	Confirm span and deflection
30 x 3 mm	General industrial platforms	Common access flooring
32 x 5 mm	Medium-duty platforms	Higher stiffness than 3 mm bars
40 x 5 mm	Higher-load flooring	Project calculation required
50 x 5 mm	Heavy-duty platforms / trench covers	Project calculation required
60 x 6 mm and above	Customized heavy-duty / vehicle loading	Engineering review required

How to Read a Grating Specification

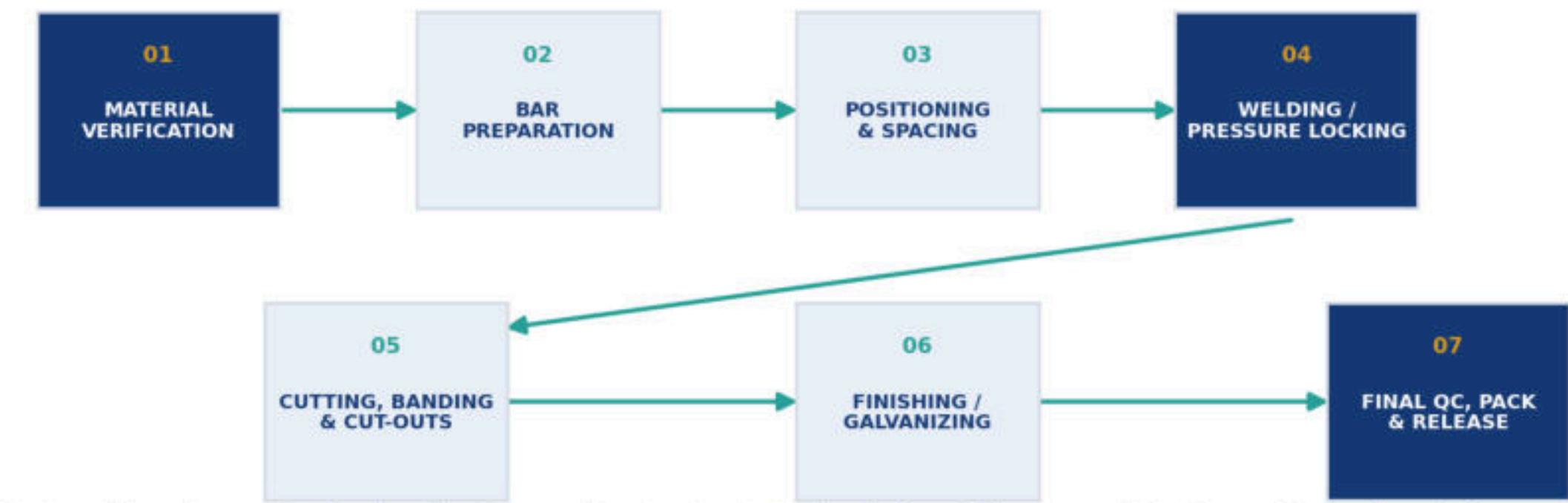
BEARING-BAR SIZE Depth x thickness, for example 30 x 3 mm. Depth normally has the greatest influence on stiffness.	BAR PITCH Centre-to-centre bearing-bar and cross-bar spacing controls open area, weight and walking surface.	PANEL / SUPPORT Panel size is not the same as clear span. Supports must run beneath both bearing-bar ends.
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ENGINEERING NOTICE | Final bar sizes, spacing, panel dimensions, support span and allowable load require approved drawings and project-specific structural calculations.

MANUFACTURING & QUALITY CONTROL

Controlled fabrication from material verification to finished panel release

CONTROLLED STEEL GRATING PRODUCTION FLOW



Bar type, dimensions, spacing, bearing direction, panel layout, cut-outs, finish and release follow approved drawings and the confirmed order.

Material certificates and bar dimensions are reviewed before bearing bars and cross bars are prepared. Bars are positioned to the approved spacing, resistance-welded or pressure-locked, cut to panel size, banded and fabricated with required cut-outs, toe plates or frames. Surface treatment, flatness, dimensional inspection, marking and export packing follow.

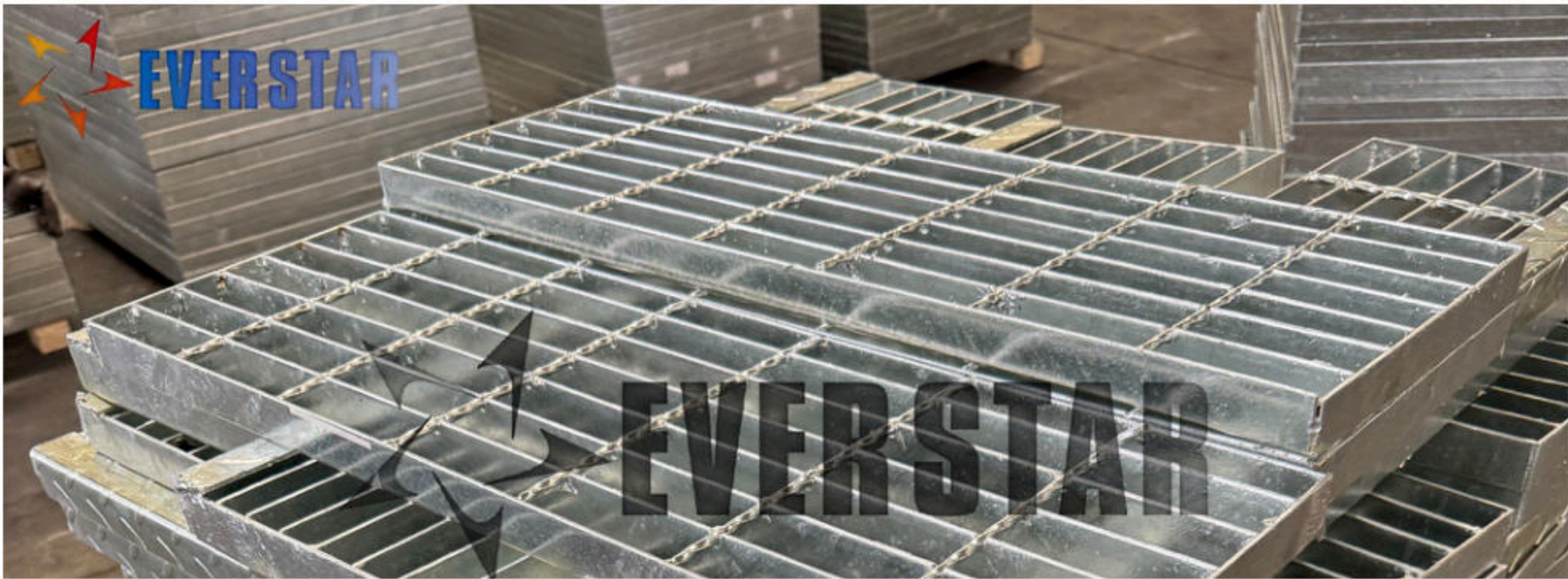
Quality Control Plan

STAGE	CONTROL FOCUS	BASIS
Incoming material	Material certificate, steel grade, bar dimensions and surface condition	Each supplied lot
Bar preparation	Bearing-bar and cross-bar dimensions, type and preparation	Production lot
Pitch / orientation	Bearing direction, bearing-bar pitch and cross-bar pitch	Each panel type
Panel geometry	Length, width, diagonals, squareness, cut-outs and flatness	Production lot
Weld / locking	Joint continuity, visible defects and pressure-locked engagement	Production lot
Banding / details	Banding bars, toe plates, frames, serrations and fixings	Production lot
Finish / coating	Galvanizing, paint or stainless finish against the order	Production lot
Marking / packing	Panel marks, bundle count, spacers, straps and shipping marks	Final release

RELEASE BASIS | Material + bar sizes + pitches + panel geometry + fabrication + finish + marks + packing

EXPORT PACKING & OEM SERVICE

Panel protection, bundle stability, identification and drawing-based customization



Available Packing Formats

STEEL BUNDLES Aligned panels with steel straps, separators and identification tags for handling.	PALLET / FRAME Wooden pallets, skids or export frames can be supplied for project-specific logistics.	PROTECTED EDGES Corner protection, spacers and wrapping reduce coating and edge damage in transit.
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Export & Private-Label Options

01 DRAWING CONTROL Panel marks, bearing direction, dimensions, cut-outs and item numbers follow approved drawings.	02 CUSTOM FABRICATION Banding, toe plates, frames, serrations, clips and panel layouts can be customized.
03 LABEL & MARKING Customer logo, item code, panel number, bundle list and shipping marks follow approval.	04 BUNDLE CONTROL Panel count, gross weight, lifting points, separators and straps are checked before release.

HANDLING | Lift bundles at designated points, keep panels supported and separated from corrosive contamination, and protect galvanized surfaces from impact damage.

APPLICATIONS & ORDER CONFIRMATION

Match the panel layout, bearing direction and structural design to the actual project

Steel Grating is supplied for industrial platforms, access walkways, stair treads, trench and drainage covers, mezzanine flooring, machine access, utility plants, wastewater facilities and architectural ventilation. The correct product cannot be selected from panel size alone; support span, load values and deflection criteria are essential.

Application Areas

01 PLATFORMS & WALKWAYS Industrial access floors, catwalks, mezzanines and maintenance platforms.	02 STAIR TREADS Plain or serrated treads with nosing, side plates and project-specific fixing details.
03 TRENCH & DRAINAGE Drain channels, service trenches, pits and removable access-cover panels.	04 UTILITY & PROCESS PLANTS Power, petrochemical, mining, wastewater and material-handling facilities.

Purchase Order Checklist

ITEM	CONFIRM BEFORE MASS PRODUCTION
Design basis	Application, load type / values, clear support span and allowable deflection
Panel layout	Bearing direction, panel length / width, support beams and installation sequence
Bar specification	Bearing-bar type / size / pitch and cross-bar type / pitch
Material / finish	Steel grade, plain or serrated top, galvanizing / paint / stainless finish
Fabrication details	Banding, toe plates, frames, cut-outs, kick plates and stair-tread parts
Fixing method	Saddle clips, M-clips, C-clips, bolts or project-specific connections
Project requirements	Applicable standard, environment, quantity, panel marks and destination
Approval / packing	Approved drawings, sample if required, bundle plan, labels and shipping marks

SAFETY NOTICE | Load capacity and deflection depend on the complete grating design and support conditions. Obtain structural approval before fabrication and installation.

CONTACT EVERSTAR

Factory-direct support for Steel Grating and customized fabricated-steel products



QUALITY CREATES LONG-TERM PARTNERSHIPS

STEEL GRATING | DRAWING-BASED FABRICATION | OEM SUPPLY

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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](#)