

ANPING DONGFU WIRE MESH CO., LTD.

DONGFU Steel Grating Complete Catalogue

Company profile, engineering guidance, complete product range,
applications, project references and quotation checklist

2026 EDITION

COMPANY AT A GLANCE

Company established in 2016, experience since 2009



2016

Company established

2009

Founder in the industry

Own factory

Steel grating production

Built for drawing-based export projects

Anping Dongfu Wire Mesh Co., Ltd. was established in Anping in 2016. Its founder entered the industry in 2009 and began working with the steel grating factory in 2012. The factory belongs to the same business and now operates as DONGFU's own facility for press-welded standard panels and custom manual fabrication.

DONGFU coordinates specification confirmation, panel detailing, agreed inspection records, project marking and export packing.

BUYER SUPPORT

- Drawing and specification confirmation
- Panel detailing and numbering
- Inspection records by order
- Export packing and shipment support

Serving industrial buyers in multiple overseas markets.

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A buyer-ready reference in one file

Click a section or product name to jump directly to the relevant page.

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27 I-Bar Grating	28 Custom Irregular Grating

Specification boundary

Product dimensions and options are reference information. Final construction, capacity and project fit are confirmed from the actual span, support, load, drawings and governing specification before production.

FACTORY & EQUIPMENT

Standard and custom fabrication in DONGFU's own factory



In DONGFU's steel grating factory, approved drawings are converted into numbered, surface-treated and export-packed grating panels. Press welding supports suitable standard production; manual fabrication handles irregular and one-off work.

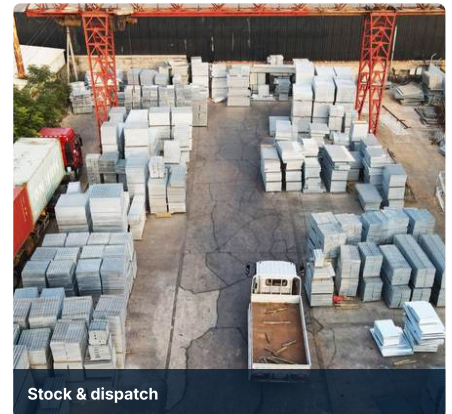
- DONGFU's own steel grating factory
- Press welding for repeatable standard panels
- Manual fabrication for custom and heavy sections
- Cutting, edge finishing and galvanizing coordination
- Drawing-based panel detailing and numbering



Press welding



Surface treatment



Stock & dispatch

Machine production

Consistent standard panels and repeatable spacing

Manual fabrication

Irregular shapes, heavy sections and project details

CAD detailing

Panel drawings, marks and installation sequence

MANUFACTURING & CUSTOM FABRICATION

From approved drawing to packed panels



01

Drawing & spec confirmation

Application, span, load, material, finish, panel sizes, cut-outs, banding and installation agreed.

02

Material inspection

Flat bar, twisted square bar and sections verified against mill certificates (MTC).

03

Cutting & preparation

Bars cut to drawing lengths; banding and cut-out material prepared.

04

Welding / press-locking

Press welding for standard panels; manual welding for irregular, heavy and custom work.

05

Secondary fabrication

Cut-outs, banding, toe plates, tread nosing and end plates added per drawings.

06

Surface treatment

Hot-dip galvanizing after fabrication, painting, or stainless pickling and passivation.

07

Final inspection

Dimensions, diagonals, spacing, welds, flatness and zinc thickness checked and recorded.

08

Marking & packing

Project numbering, tagging and export packing in installation sequence.

Specification & Drawing Support

Turn layouts, sketches and load requirements into a confirmed grating specification and piece-marked panel schedule.

- Layout, PDF, CAD file or measured sketch
- Support lines, clear spans and bearing direction
- Load type and magnitude
- Material, finish and project standards

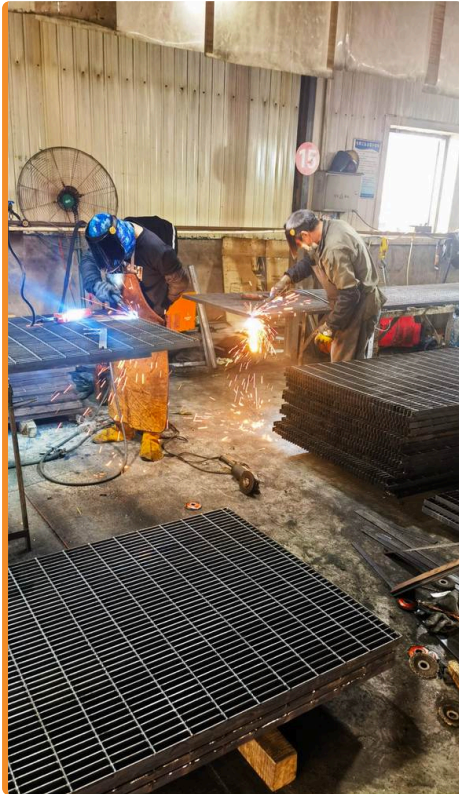
Custom Fabrication

Drawing-based fabrication: irregular shapes, cut-outs, banding, toe plates and project panel numbering.

- Irregular shapes: circular, fan-shaped, trapezoidal, notched and curved-edge panels
- Cut-outs for columns, pipes, vessel nozzles and cable trays, with full banding
- Toe plates / kick plates welded to platform edges
- Stair treads with nosing, end plates and project hole patterns

QUALITY & DOCUMENTATION

Inspection records follow the order



Inspection scope is agreed per order. Depending on the quotation and specification, records can cover incoming material certificates, dimensions, welds, zinc coating thickness, panel marks and final packing under DONGFU's ISO 9001:2015 certified quality management system.

01

Incoming material

Mill certificates verified; bar dimensions and appearance checked.

02

In-process checks

Spacing, weld points and panel size monitored during welding.

03

Dimensional inspection

Diagonals, flatness, banding and cut-outs measured against drawings.

04

Coating verification

Zinc thickness measured by coating gauge against the agreed standard.

05

Pre-packing review

Appearance, labels, panel numbering and packing checked; records filed.

Typical order records and checks

- Material test certificates (MTC) for bearing bars and cross bars
- Bearing bar and cross bar spacing checks
- Weld point inspection
- Banding and cut-outs verified against drawings
- Surface appearance check
- Bearing bar size and thickness measurement
- Panel dimensions and diagonal measurements
- Panel flatness and deformation review
- Zinc coating thickness per ASTM A123 / ISO 1461 or customer standard, verified by coating gauge reports
- Packing, labels and panel numbering review

QC verifies that panels match the agreed specification and drawings. Suitability for the project span and load is confirmed earlier, before production, from the actual support and load case.

CERTIFICATES & SCOPE

Documents buyers can review

Certificate scope is stated separately so unlike documents are not treated as equivalent.



QUALITY MANAGEMENT

ISO 9001:2015

Quality Management System Certification

No. 25024Q11652R0S · Valid to Aug 13, 2027

Quality management system for the manufacture and sales of wire mesh and metal fence products.



SUBMITTED STEEL GRATING SAMPLE

Restricted-Substance Test

Voluntary Sample Compliance Document

No. ZHT-260608101C01C · BS EN 62321 series

Voluntary restricted-substance test document for the submitted steel grating sample, using the listed BS EN 62321 methods. It does not assess ongoing production or structural performance and is not presented as whole-product UK construction certification.



STEEL WIRE MESH

EN 10223-1:2012

Attestation of Compliance

No. TTC-24-1110/06/01 · Valid to Oct 10, 2029

Additional company document for steel wire mesh to EN 10223-1:2012; it is not presented as a steel grating product certificate.

For quotation and order review

State the project standard, required edition, inspection records and any third-party verification in the RFQ. The applicable manufacturing and reporting route is confirmed before production.

PRODUCT SELECTION MAP

Start from material, construction, performance or form

By Material & Finish

- 15 Galvanized Steel Grating**
Hot-dip galvanized after fabrication for long-term corrosion protection on outdoor platforms, walkways and trench covers.
- 16 Stainless Steel Grating**
SS304/316L grating for chemical, food-grade, coastal and hygienic environments — passivated or electro-polished.
- 17 Aluminum Grating**
Lightweight, corrosion-resistant aluminum bar grating for architectural, marine and light-to-medium duty platforms.

By Construction

- 18 Welded Steel Grating**
Press-welded bearing bars and cross bars — the most common, economical grating for platforms, walkways and trench covers.
- 19 Press-Locked Grating**
A mechanically locked grid with clean lines and flexible spacing options for industrial flooring, screens and projects where appearance matters.
- 20 Swage-Locked Grating**
A mechanically assembled grating construction commonly used for lightweight aluminum platforms, walkways and access systems.

By Performance

- 21 Serrated Steel Grating**
Serrated bearing bars for added traction where wet, oily, snowy or inclined conditions are identified.
- 22 Heavy Duty Steel Grating**
Heavy bearing bars for forklift, truck and equipment loads — engineered against span and support conditions.
- 23 Light Duty Steel Grating**
A material-efficient grating starting point for pedestrian and light maintenance access after span and load confirmation.

By Form & Custom

- 24 Stair Tread Grating**
Grating stair treads with nosing, end plates and fixing holes — bolted or welded to industrial stair stringers.
- 25 Trench Cover Grating**
Drainage trench covers from pedestrian walkways to heavy vehicle crossings, framed and hinged options available.
- 26 Compound Steel Grating**
Bar grating combined with checkered or solid plate where load support and small-object containment must work together.
- 27 I-Bar Grating**
An I-shaped bearing-bar profile that reduces material and panel weight where its verified load range suits the project.
- 28 Custom Irregular Grating**
Drawing-based non-rectangular panels with notches, cut-outs, curved edges and project panel numbering.

Four project-confirmed product families

Light Duty Steel Grating · Compound Steel Grating · I-Bar Grating · Custom Irregular Grating
Final construction and dimensions are confirmed from the project requirements and drawings.

HOW TO SPECIFY

Seven decisions turn a request into a producible panel

01

Application & environment

State where the grating works and whether the site is dry, wet, outdoor, corrosive or marine.

02

Clear span & support

Mark the bearing-bar direction, clear unsupported distance and every support line.

03

Load case

Describe pedestrian, uniform, point or wheel loads and the project safety criteria for review.

04

Material & finish

Confirm carbon steel, stainless steel or aluminum and the required surface treatment.

05

Construction & surface

Choose welded, press-locked or swage-locked construction and plain or serrated surface.

06

Grid & panel layout

State bar spacing, panel dimensions, cut-outs, banding, toe plates and removable areas.

07

Drawing approval

Approve the detailed panel schedule and numbering before production starts.

**OUTPUT BEFORE
PRODUCTION**Confirmed product
specificationApproved panel drawings and
marksInspection and documentation
scopePacking and installation
sequence

SIZES, DIMENSIONS & CODES

Separate panel fit from load-carrying geometry

The six dimensions to identify

ITEM	WHAT IT CONTROLS	EXAMPLE
Bearing bar depth × thickness	Section strength and panel weight	30 × 3 mm
Bearing bar spacing	Bars per metre and opening width	30 mm centres
Cross-bar spacing	Grid stability and opening length	100 mm centres
Panel width	Dimension across bearing bars	State in mm or inches
Panel length	Dimension along bearing bars	State in mm or inches
Clear span	Unsupported distance between bearing edges	Show support lines

How to read a grating specification code

CODE ELEMENT	MEANING	NOTES
G325/30/100 (metric)	Bearing bar 32 × 5 mm, 30 mm bearing bar pitch, 100 mm cross bar pitch	G = grating; 325 encodes 32 × 5 mm
G253/30/50 (metric)	Bearing bar 25 × 3 mm, 30 mm pitch, 50 mm cross bar pitch	Common light-platform specification
19-W-4 (NAAMM)	Bearing bars ≈ 1-3/16 in on center, welded, cross bars at 4 in	The imperial default, ≈ 30 × 100 mm
15-W-2 (NAAMM)	Bearing bars ≈ 15/16 in on center, welded, cross bars at 2 in	Closer mesh for public areas
Construction letters	W = welded, SL = swage locked, DT = dovetail pressure locked	Defines how bars are joined

Bearing direction is not optional

Parallel bearing bars carry the load and must bridge the supporting steel. Mark their direction with an arrow on each platform, walkway and trench layout.

MATERIAL & FINISH

Choose for environment, fabrication and lifecycle

Step 3: Choose the material

MATERIAL	STRENGTHS	LIMITATIONS	TYPICAL USES
Q235 / ASTM A36 / S235JR as specified	Economical carbon-steel options	Not automatically interchangeable; verify the named grade and MTC	Most industrial platforms, walkways, treads, trench covers
Q355 / ASTM A572 Grade 50 / S355JR as specified	Higher-strength carbon-steel options	Not automatically interchangeable; verify the named grade and MTC	Large spans, docks, airports and vehicle areas after calculation
Stainless 304 / 304L	Corrosion resistant, hygienic	Higher material and fabrication cost	Food, pharmaceutical, brewery, general corrosive areas
Stainless 316 / 316L	Resists chlorides and salt spray	Highest material cost	Marine, offshore, chemical, wastewater
Aluminum 6061 / 6063	One-third the weight of steel, corrosion resistant, non-sparking	Lower load capacity at equal size	Architectural, marine walkways, lightweight covers

CARBON STEEL

Protect after fabrication

Hot-dip galvanizing, painted or mill finish as agreed for the environment and project standard.

STAINLESS STEEL

Confirm grade and post-weld finish

Mill, pickled and passivated, blasted or specified hygienic finish according to the project.

ALUMINUM

Confirm alloy, temper and finish

Mill, anodized or powder-coated options are reviewed with the selected construction and exposure.

Order rule

Material names alone are incomplete. State the grade, governing standard, finish and required evidence.

SURFACE & SPACING

Balance slip risk, opening control, drainage and economy

Plain vs serrated side by side

FACTOR	PLAIN SURFACE	SERRATED SURFACE
Surface traction	Plain top for dry, clean areas	Additional edges for wet, oily, muddy, snowy or sloped conditions; verify project suitability
Cost	Lower — the economical default	Moderate premium on the bearing bars
Cleaning	Easiest — flat edges shed dirt	Teeth hold dirt slightly more
Drainage and airflow	Same open grid	Same open grid
Load capacity basis	Same bar section, same rating method	Same bar section, same rating method
Best environments	Dry indoor platforms, mezzanines, covers, decorative use	Outdoor walkways, stairs, ramps, marine, oily process areas

Common spacings compared

METRIC PITCH	IMPERIAL / NAAMM SERIES	OPENING CHARACTER	TYPICAL APPLICATIONS
30 mm	19-space ≈ 1-3/16 in (19-W-4)	Standard industrial opening	Platforms, walkways, stair treads — the default
40 mm	—	Larger opening, less steel	Moderate loads where economy matters
60 mm	—	Open grid	Light duty, screens, covers not walked on
≈ 24 mm	15-space ≈ 15/16 in (15-W-4)	Close mesh	Public access, heavy pedestrian duty
≈ 17 mm	11-space ≈ 11/16 in	Tighter close mesh	Heel-conscious commercial areas
≈ 12-13 mm	8-space ≈ 1/2 in; 7-space ≈ 7/16 in	Very tight mesh	Entrances, public platforms, small-wheel traffic

Spacing is only one input. The bar section, construction, span, supports and load case are reviewed together.

LOAD, SPAN & SUPPORT INPUTS

Information required before capacity is confirmed

A product name or spacing series does not establish project capacity. Submit the real conditions below for technical review and confirmation.

01
Application

Platform, walkway, stair tread, trench cover, industrial floor or another defined use.

02
Clear span

Unsupported distance measured along the load-carrying bearing bars.

03
Support condition

Support lines, bearing edges, intermediate supports, cantilevers and removable boundaries.

04
Load type

Pedestrian, uniform equipment, concentrated point, forklift or wheel load.

05
Wheel-load detail

Wheel load, tire contact area, traffic frequency and impact criteria where applicable.

06
Material & construction

Grade, bar profile, construction route, spacing, serration and corrosion allowance.

07
Project criteria

Required standard, deflection limit, safety factor and any third-party review requirement.

PROJECT CONFIRMATION SEQUENCE

Inputs received — Construction reviewed — Rating confirmed — Drawing approved

Wheel loads, impact, repeated traffic, cantilevers, openings and unusual supports require project-specific review.

STANDARDS & ORDER EVIDENCE

Name the governing document for each layer

Standards by task

STANDARD	MAIN SCOPE	ORDER EVIDENCE
NAAMM MBG 531 / 532 / 533 / 534 / 535 (project edition)	Types, loads, welding, design and practice	Specification and inspection records
ASTM A36 / A1011	Carbon steel material	Mill test certificate
ASTM A123/A123M / ISO 1461 (project edition)	Hot-dip galvanized coating	Coating thickness report
BS 4592 / AS 1657	Industrial access structures	Project-specified fabrication checks
ADA 2010	Accessible-route opening limits	Confirmed opening size and orientation

Material

Grade and material standard
Mill test certificate

Fabrication

Approved drawings and tolerances
Dimensional and weld checks

Finish

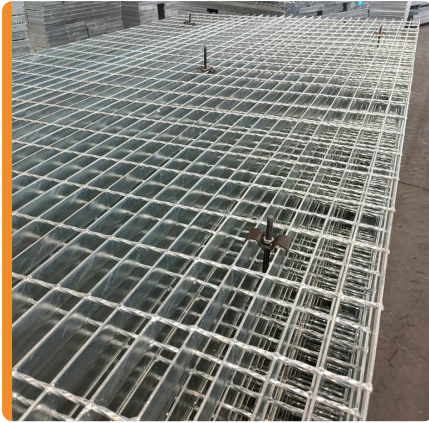
Named coating or surface standard
Coating or finish report

Shipment

Panel marks and packing scope
Packing list and loading records

Do not request blanket compliance

Put each requirement in the purchase specification instead of asking for blanket compliance to every listed standard.



BY MATERIAL & FINISH

Galvanized Steel Grating

Hot-dip galvanized after fabrication for long-term corrosion protection on outdoor platforms, walkways and trench covers.

Galvanized steel grating — specification options

ITEM	OPTIONS	NOTES
Material	Q235 / Q355 / ASTM A36 / S235JR / S355JR as specified	Not automatically interchangeable; confirm chemistry and mechanical properties by MTC and purchase specification
Bearing bar size	20×3 to 100×10 mm; common 25×3, 30×3, 32×5, 40×5, 50×5 mm	Sized to span and load
Bearing bar spacing	30 / 40 / 60 mm; imperial 19-W-4, 15-W-4 series	30 mm most common
Cross bar spacing	50 / 100 mm; 2" / 4"	Twisted square bar standard
Surface type	Plain / serrated	Serrated for wet, oily, snowy or sloped areas
Galvanizing standard	ASTM A123/A123M / ISO 1461 / customer specification	State the required edition and evidence in the order
Zinc coating thickness	Per the applicable coating category and measured steel thickness in the specified standard	Required minimums and reported readings are confirmed in the order inspection documents
Panel size	Up to 6100 × 1000/1200 mm per panel	Larger areas split into numbered panels
Fabrication	Banding, cut-outs, toe plates, clips, tread nosing	Detailed from your drawings

Best for

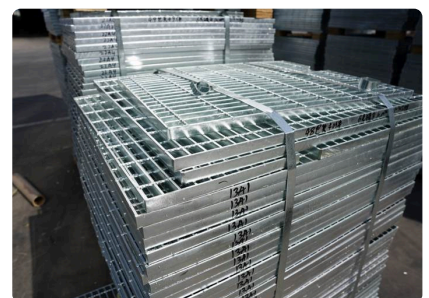
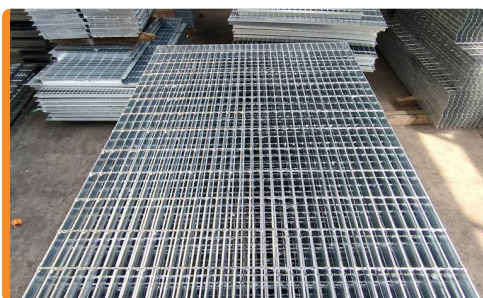
- Industrial platforms
- Walkways & catwalks
- Stair treads
- Trench & drain covers

Available options

- Plain surface, hot-dip galvanized
- Serrated surface, hot-dip galvanized
- Heavy-duty galvanized grating
- Compound galvanized grating

Selected product views

3 VIEWS



SEND US Application and operating environment Clear span and bearing-bar direction Load type and support condition Panel sizes, quantity and drawings



BY MATERIAL & FINISH

Stainless Steel Grating

SS304/316L grating for chemical, food-grade, coastal and hygienic environments — passivated or electro-polished.

Stainless steel grating — specification options

ITEM	OPTIONS	NOTES
Grades	SS304 / SS304L / SS316 / SS316L (1.4301 / 1.4404 reference)	Supplied per project specification with MTC
Bearing bar size	20 × 3 mm to 100 × 10 mm; common 25×3, 30×3, 32×5, 40×5 mm	Sized to span and load
Bearing bar spacing	30 / 40 / 60 mm; imperial 19-space, 15-space series	30 mm most common
Cross bar	Twisted square or round bar at 50 / 100 mm	Matched to grade and panel size
Surface	Plain / serrated	Serrated for wet process areas and stairs
Finish	Mill / pickled & passivated / bead blasted / electro-polished	Electro-polish for hygienic areas; finish agreed with samples
Max panel size	Up to 6100 × 1000/1200 mm	Larger areas split into numbered panels
Fabrication	Banding, cut-outs, toe plates, clips	Detailed from your drawings

Best for

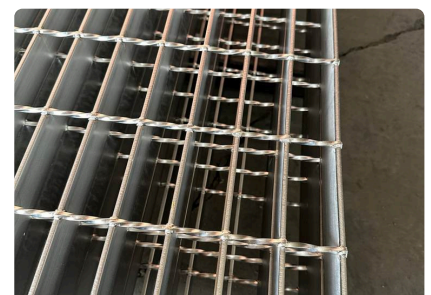
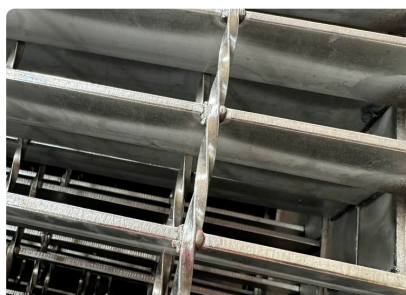
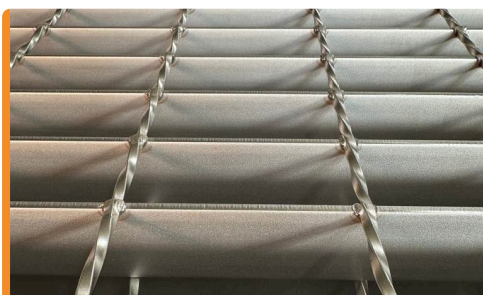
- Tank Farm Walkway Grating
- Food & Pharma Grating
- Offshore Oil & Gas Grating

Available options

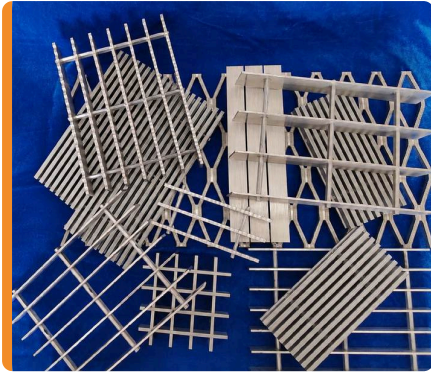
- SS304 / 304L general-duty grating
- SS316 / 316L chloride-resistant grating
- Electro-polished hygienic grating
- Serrated stainless grating

Selected product views

3 VIEWS



SEND US Application and operating environment Clear span and bearing-bar direction Load type and support condition Panel sizes, quantity and drawings



BY MATERIAL & FINISH

Aluminum Grating

Lightweight, corrosion-resistant aluminum bar grating for architectural, marine and light-to-medium duty platforms.

Aluminum grating — specification options

ITEM	OPTIONS	NOTES
Alloys	6061-T6 / 6063-T6 / 5052	Supplied per project specification with mill certificates
Construction	Swage-locked / dovetail pressure-locked / welded	Swage-locked and dovetail give a clean flush appearance
Bearing bar	Common depths 25–50 mm for pedestrian duty	Sized to span and load like steel grating
Bearing bar spacing	19-space / 15-space series and metric equivalents	Closer spacing for public access areas
Surface	Plain / serrated	Serrated for wet walkways and marine decks
Finish	Mill / clear or black anodized / powder coated	Anodizing adds hardness and wear resistance
Duty	Pedestrian and light-to-medium loads	Not for heavy vehicle traffic — evaluate steel instead
Fabrication	Cut to size, banded, framed to drawings	Light weight eases handling and installation

Best for

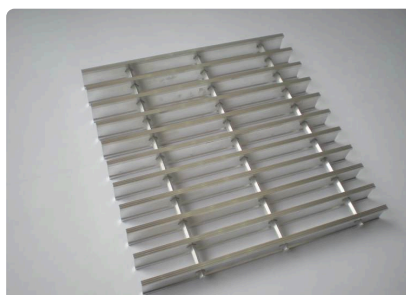
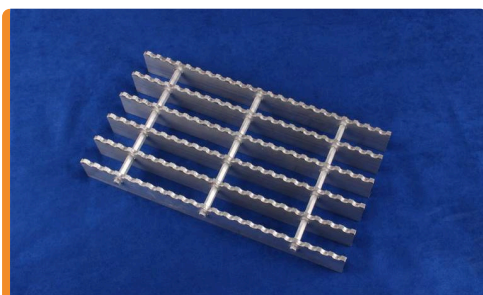
- Marine & coastal walkways
- Corrosive & sanitary platforms
- Access stairs where weight matters
- Light-duty maintenance platforms

Available options

- Swage-locked aluminum grating
- Dovetail pressure-locked grating
- Welded aluminum grating
- Anodized architectural grating

Selected product views

3 VIEWS



SEND US Application and operating environment Clear span and bearing-bar direction Load type and support condition Panel sizes, quantity and drawings



BY CONSTRUCTION

Welded Steel Grating

Press-welded bearing bars and cross bars — the most common, economical grating for platforms, walkways and trench covers.

Welded steel grating — specification options

ITEM	OPTIONS	NOTES
Material	Q235 / Q355 / ASTM A36 / S235JR / S355JR as specified; SS304 / SS316L	Grades are not automatically interchangeable; MTC must match the purchase specification
Bearing bar size	20 × 3 mm to 100 × 10 mm; common 25×3, 30×3, 32×5, 40×5, 50×5 mm	Sized to span and load
Bearing bar spacing	30 / 40 / 60 mm; imperial 19-space (19-W-4), 15-space series	30 mm most common for platforms
Cross bar	Twisted square bar at 50 / 100 mm (2" / 4")	100 mm most economical; 50 mm limits falling objects
Surface type	Plain / serrated	Serrated for wet, oily, snowy or sloped areas
Finish	Hot-dip galvanized, painted or mill finish	Galvanized after fabrication per ASTM A123 / ISO 1461 or customer standard
Max panel size	Up to 6100 × 1000/1200 mm; 70–100 kg per panel handling limit	Larger areas supplied as split, numbered panels
Fabrication	Banding, cut-outs, toe plates, lifting holes, clips	Detailed from your layout drawings

Best for

- Industrial platforms
- Walkways & catwalks
- Stair treads
- Trench & drain covers

Available options

- Serrated welded grating
- Heavy-duty welded grating

Selected product views

3 VIEWS



SEND US Application and operating environment Clear span and bearing-bar direction Load type and support condition Panel sizes, quantity and drawings



BY CONSTRUCTION

Press-Locked Grating

A mechanically locked grid with clean lines and flexible spacing options for industrial flooring, screens and projects where appearance matters.

Press-locked grating RFQ inputs – final values are confirmed per project

RFQ INPUT	WHAT TO SEND	WHY IT MATTERS
Material	Carbon steel, stainless steel or aluminum; state the required grade or alloy.	Material affects slot geometry, locking, supplementary welding and the available finish.
Bearing bar	Depth and thickness, or the required load together with the clear span.	The bearing-bar section and span are primary load-selection inputs.
Bearing bar spacing	Metric or imperial spacing series and any opening-size limit.	Spacing changes open area, appearance, small-object passage and load distribution.
Cross bar	Flat-bar profile, spacing and any flush-grid requirement.	These inputs define the slot pattern, grid appearance and locking detail.
Span and support	Clear span, bearing-bar direction, support width and load type.	Capacity cannot be confirmed from the construction name or panel size alone.
Surface and weld detail	Plain or serrated surface plus any required supplementary weld locations or inspection criteria.	The surface affects grip; weld requirements must match the approved production drawing.
Finish	Mill finish, hot-dip galvanized, passivated, anodized, painted or coated as applicable.	Finish selection affects tolerances, appearance and the production sequence.
Panel layout	Panel dimensions, cut-outs, banding, piece marks, support edges and removable areas.	A layout drawing prevents incorrect bearing direction and unsuitable panel divisions.
Order information	Quantity, destination, project standard and required documentation.	These inputs determine the practical production, packing and quotation route.

Best for

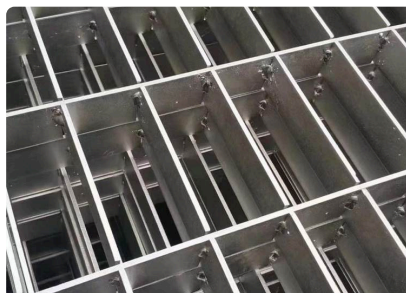
- Industrial platforms
- Walkways and access
- Trench covers and drainage
- Food and pharmaceutical areas

Available options

- Full press-locked grid
- Fabricated press-locked panels

Selected product views

3 VIEWS



SEND US Application and operating environment Clear span and bearing-bar direction Load type and support condition Panel sizes, quantity and drawings



BY CONSTRUCTION

Swage-Locked Grating

A mechanically assembled grating construction commonly used for lightweight aluminum platforms, walkways and access systems.

Send these details for a swage-locked grating quotation

RFQ INPUT	WHAT TO SEND	WHY IT MATTERS
Material	Aluminum alloy, temper and required finish from the project specification.	Material condition must be confirmed with the profile, forming route, exposure and finish.
Bearing bar profile	Rectangular or I-bar profile, including a section photo for replacement work.	Similar top openings can hide incompatible bearing-bar and locking systems.
Bearing bar size	Depth and thickness, or the required load together with the clear span.	The section and span are primary load-selection inputs.
Bearing bar spacing	Centre-to-centre spacing or the named project series.	Spacing changes the opening, open area, weight and load distribution.
Cross bar	Cross-bar shape, dimensions, spacing and a close photo of the locking point.	These details identify the swage-lock system and replacement compatibility.
Walking surface	Plain or serrated surface and any opening-size restriction.	Surface and opening requirements affect grip, passage and available profiles.
Span and supports	Clear span, bearing-bar direction, support width and fixing locations.	Panel length alone does not identify the unsupported design span.
Load and deflection	Uniform, concentrated or wheel load plus the required deflection limit.	Pedestrian and equipment loads must be checked as separate design cases.
Panel layout	Panel dimensions, bearing direction, piece marks, removable areas and support lines.	A layout drawing prevents incorrect panel divisions and bearing direction.
Fabrication and order	Banding, cut-outs, quantity, destination, project standard and required documents.	These inputs define the practical fabrication, packing and quotation route.

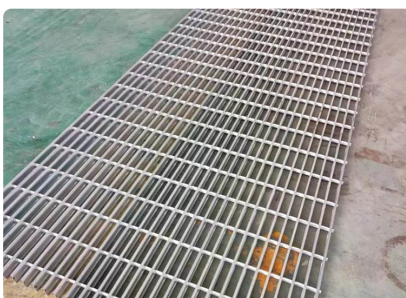
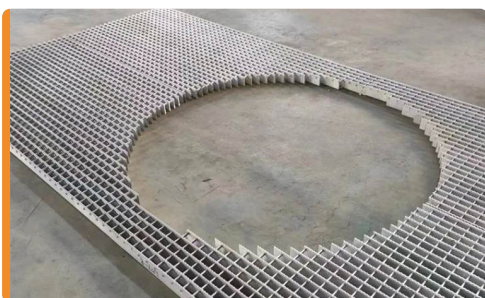
Best for

- Walkways and maintenance access
- Industrial platforms
- Humid or corrosive environments

Available options

- Rectangular bearing bar
- I-bar construction
- Plain walking surface
- Serrated bearing-bar profile

Selected product views



3 VIEWS

SEND US Application and operating environment Clear span and bearing-bar direction Load type and support condition Panel sizes, quantity and drawings



BY PERFORMANCE

Serrated Steel Grating

Serrated bearing bars for added traction where wet, oily, snowy or inclined conditions are identified.

Serrated steel grating – specification options

ITEM	OPTIONS	NOTES
Material	Carbon steel Q235 / Q355; SS304 / SS316L; aluminum	Supplied per project specification with MTC
Bearing bar size	25 × 3 mm to 100 × 10 mm; common 25×3, 30×3, 32×5, 40×5 mm	Deeper bars for longer spans
Bearing bar spacing	30 / 40 mm; imperial 19-space, 15-space series	30 mm most common
Cross bar	Twisted square bar at 50 / 100 mm (2" / 4")	100 mm most economical
Surface	Full-serrated bearing bars	Serration rolled into the bar before welding
Finish	Hot-dip galvanized / passivated stainless / mill	Galvanized after fabrication per ASTM A123 / ISO 1461 or customer standard
Max panel size	Up to 6100 × 1000/1200 mm; 70–100 kg per panel handling limit	Larger areas split into numbered panels

Best for

- Outdoor walkways & catwalks
- Stair treads
- Oily process platforms
- Outdoor trench & drain covers

Available options

- Serrated carbon steel, hot-dip galvanized
- Serrated stainless steel
- Serrated stair treads
- Serrated heavy-duty grating

Selected product views



3 VIEWS

SEND US Application and operating environment Clear span and bearing-bar direction Load type and support condition Panel sizes, quantity and drawings



BY PERFORMANCE

Heavy Duty Steel Grating

Heavy bearing bars for forklift, truck and equipment loads — engineered against span and support conditions.

Heavy duty steel grating — specification options

ITEM	OPTIONS	NOTES
Material	Q355 / ASTM A572 Grade 50 / S355JR as specified; Q235 for moderate duty	Grades are not automatically interchangeable; MTC must match the purchase specification
Bearing bar size	40 × 5 mm to 100 × 10 mm	Sized by load calculation, not by label
Bearing bar spacing	30 / 40 mm	Tighter spacing distributes wheel loads
Cross bar	Twisted square bar at 50 / 100 mm	Heavier cross bars for vehicle panels
Surface type	Plain / serrated	Serrated where vehicle areas are wet or oily
Finish	Hot-dip galvanized after fabrication	Applicable ASTM A123/A123M, ISO 1461 or customer requirements and inspection evidence agreed per order
Panel limits	Up to 6100 × 1000/1200 mm; 70–100 kg per piece handling limit	Larger areas split into numbered panels
Load confirmation	Wheel load, contact area, span and support conditions required	Confirmed before quotation — capacity is engineered, not assumed

Best for

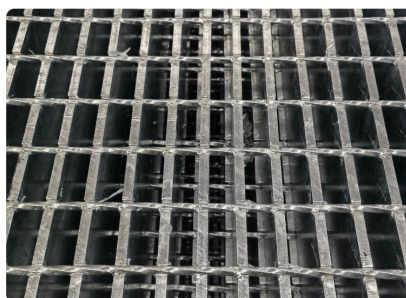
- Industrial flooring & loading docks
- Vehicle-rated trench covers
- Heavy equipment platforms
- Marine docks & port access

Available options

- Forklift-rated grating
- Truck-rated trench & driveway grating
- Heavy-duty serrated grating
- Compound heavy-duty grating

Selected product views

3 VIEWS



SEND US Application and operating environment Clear span and bearing-bar direction Load type and support condition Panel sizes, quantity and drawings



BY PERFORMANCE

Light Duty Steel Grating

A material-efficient grating starting point for pedestrian and light maintenance access after span and load confirmation.

Project-confirmed options

This product is quoted from the application, drawings and support conditions. No unverified standard dimensions are stated in this catalogue.

- Panel section, bearing-bar spacing and cross-bar spacing are confirmed per project.
- Cut-outs, banding and panel numbering follow approved layout drawings.
- Finish is applied after fabrication when hot-dip galvanizing is specified.

Best for

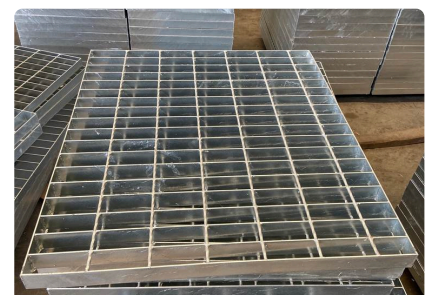
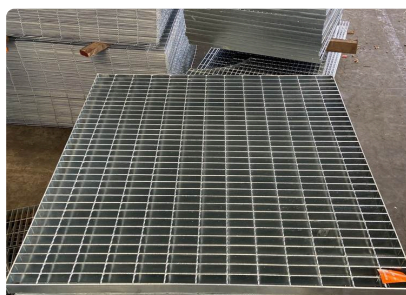
- Walkways and catwalks
- Industrial platforms

Available options

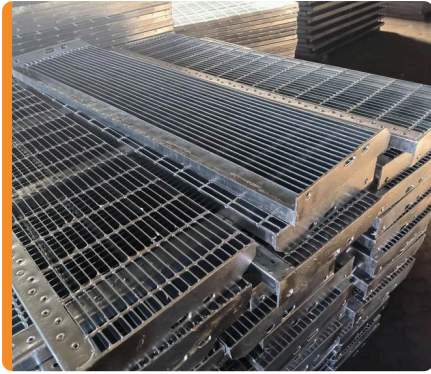
- Panel section, bearing-bar spacing and cross-bar spacing are confirmed per project.
- Cut-outs, banding and panel numbering follow approved layout drawings.
- Finish is applied after fabrication when hot-dip galvanizing is specified.

Selected product views

3 VIEWS



SEND US Application and operating environment Clear span and bearing-bar direction Load type and support condition Panel sizes, quantity and drawings



BY FORM & CUSTOM

Stair Tread Grating

Grating stair treads with nosing, end plates and fixing holes — bolted or welded to industrial stair stringers.

Stair tread grating — specification options

ITEM	OPTIONS	NOTES
Grating type	Welded, plain or serrated; 30 mm / 19-W-4 spacing common	Serrated recommended outdoors
Bearing bar	25 × 3 mm to 65 × 5 mm typical	Sized to tread length and expected load
Nosing	Checkered plate / abrasive / serrated bar nosing	Defines step edge, adds grip
End plates	Carrier plates or angles, standard or custom hole pattern	Round or slotted holes to your stringers
Types	T1 / T2 / T3 / T4 or fully custom	Welded or bolted, with or without nosing guard
Tread dimensions	Width and length made to stair drawings	Length = clear distance between stringers
Finish	Hot-dip galvanized / passivated stainless / mill or anodized aluminum	Galvanized per ASTM A123 / ISO 1461 or customer standard

Best for

- Stair Tread Grating
- Industrial Platform Grating
- Walkway & Catwalk Grating
- Tank Farm Walkway Grating

Available options

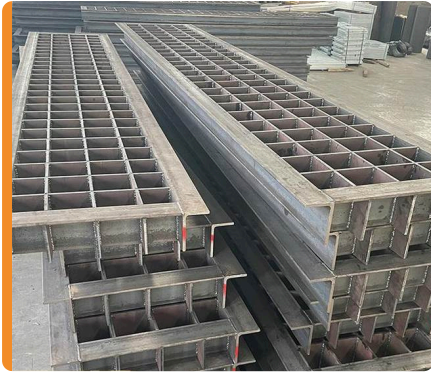
- Type T1 — welded fixing, no nosing guard
- Type T2 — bolted fixing, no nosing guard
- Type T3 — welded fixing, checkered-plate nosing
- Type T4 — bolted fixing, checkered-plate nosing

Selected product views

3 VIEWS



SEND US Application and operating environment Clear span and bearing-bar direction Load type and support condition Panel sizes, quantity and drawings



BY FORM & CUSTOM

Trench Cover Grating

Drainage trench covers from pedestrian walkways to heavy vehicle crossings, framed and hinged options available.

Trench cover grating – specification options

ITEM	OPTIONS	NOTES
Load class	Pedestrian / light vehicle / forklift / truck	Confirmed against clear span and wheel load before quotation
Bearing bar	25 × 3 mm to 100 × 10 mm	Sized by clear span and load
Bearing bar spacing	30 / 40 mm	30 mm common for drainage covers
Banding	Flat bar banding on all sides; load banding for vehicle areas	Standard for stiffness and safe handling
Frame	Angle / channel frame, embedded or surface-mounted, with anchors	Supplied with covers as matched sets if required
Options	Hinged, lockable, lifting keys, lifting lugs	For inspection and cleaning access
Finish	Hot-dip galvanized / passivated stainless	Galvanized per ASTM A123 / ISO 1461 or customer standard
Panel limits	Up to 6100 × 1000/1200 mm; 70–100 kg per cover handling limit	Long trenches supplied as numbered cover runs

Best for

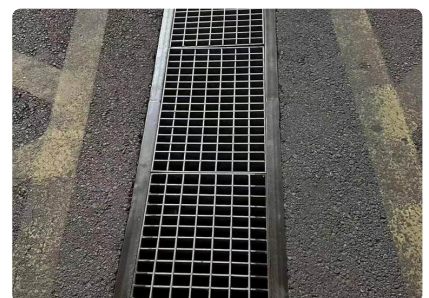
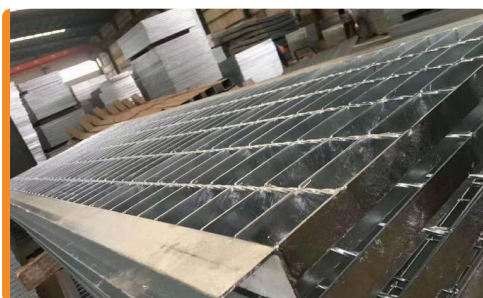
- Walkways & catwalks
- Factory & plant drainage
- Driveway & yard crossings
- Utility trenches on platforms

Available options

- Pedestrian trench covers
- Vehicle-rated trench covers
- Hinged & lockable covers
- Framed cover sets

Selected product views

3 VIEWS



SEND US Application and operating environment Clear span and bearing-bar direction Load type and support condition Panel sizes, quantity and drawings



BY FORM & CUSTOM

Compound Steel Grating

Bar grating combined with checkered or solid plate where load support and small-object containment must work together.

Project-confirmed options

This product is quoted from the application, drawings and support conditions. No unverified standard dimensions are stated in this catalogue.

- Plate coverage, seam location and attachment pattern follow approved drawings.
- Cut-outs are coordinated through both the plate and grating layers and fully banded where required.
- Panel lifting and bundle weight are reviewed because the plate increases unit weight.

Best for

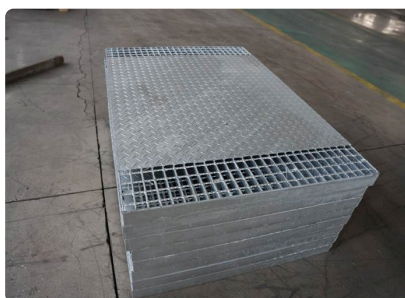
- Industrial flooring
- Industrial platforms
- Walkways and catwalks
- Warehouse platforms

Available options

- Full plate coverage
- Partial plate coverage
- Cut and banded compound panels

Selected product views

3 VIEWS



SEND US Application and operating environment Clear span and bearing-bar direction Load type and support condition Panel sizes, quantity and drawings



BY FORM & CUSTOM

I-Bar Grating

An I-shaped bearing-bar profile that reduces material and panel weight where its verified load range suits the project.

Project-confirmed options

This product is quoted from the application, drawings and support conditions. No unverified standard dimensions are stated in this catalogue.

- Profile geometry, alloy, cross-bar arrangement and panel size are confirmed per project.
- Cut-outs and banding details follow approved panel drawings.
- Finished panels are protected from carbon-steel contamination during handling and packing.

Best for

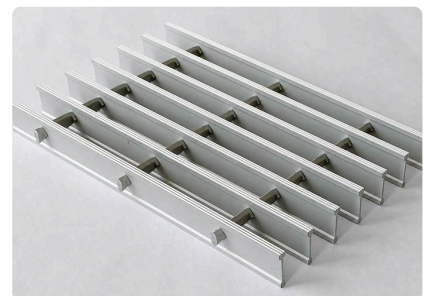
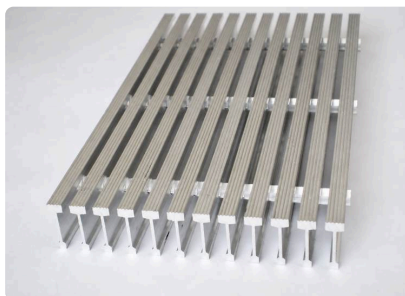
- Walkways and catwalks
- Corrosion-resistant environments

Available options

- Plain I-bar profile
- Serrated I-bar profile

Selected product views

3 VIEWS



SEND US Application and operating environment Clear span and bearing-bar direction Load type and support condition Panel sizes, quantity and drawings



BY FORM & CUSTOM

Custom Irregular Grating

Drawing-based non-rectangular panels with notches, cut-outs, curved edges and project panel numbering.

Project-confirmed options

This product is quoted from the application, drawings and support conditions. No unverified standard dimensions are stated in this catalogue.

- Send PDF, CAD or a dimensioned sketch with support steel and bearing-bar direction marked.
- Show every opening, radius, notch, edge condition and required clearance.
- Panel splits, banding, lifting and numbering are returned for approval before fabrication.
- Final dimensions and minimum opening details are confirmed per project.

Best for

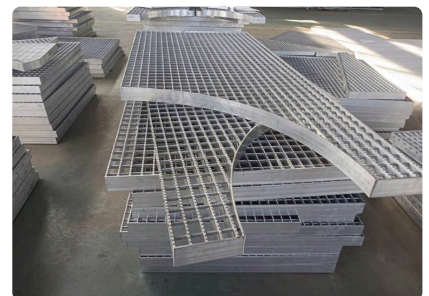
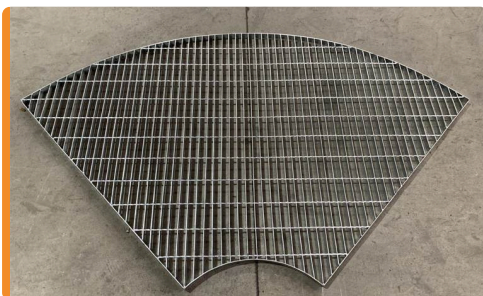
- Industrial platforms
- Walkways and catwalks
- Chemical plant grating
- Tank farm walkway grating

Available options

- Notched and cut-out panels
- Curved and fan-shaped panels
- Trapezoidal and transition panels

Selected product views

3 VIEWS



SEND US Application and operating environment Clear span and bearing-bar direction Load type and support condition Panel sizes, quantity and drawings

APPLICATION SELECTION · 01

Platforms, walkways, drainage, floors and process plants



Industrial Platform Grating

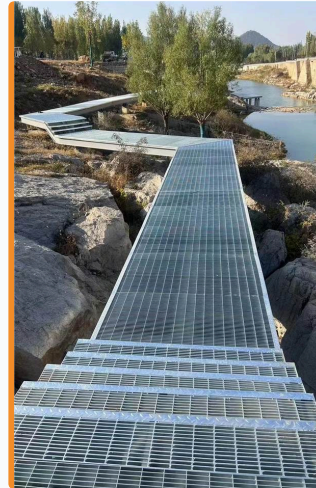
Open-grid flooring for chemical plants, equipment platforms and mezzanines — strength, drainage and ventilation in one panel.

Load Slip resistance

Corrosion

COMMON STARTING POINTS

Galvanized Steel Grating · Welded Steel Grating · Serrated Steel Grating · Stainless Steel Grating



Walkway & Catwalk Grating

Safe, drained, ventilated walkways for photovoltaic arrays, pipe racks, tank farms and roof access routes.

Load & span Slip resistance

Drainage & ventilation

COMMON STARTING POINTS

Galvanized Steel Grating · Serrated Steel Grating · Stainless Steel Grating · Aluminum Grating



Stair Tread Grating

Industrial access stairs with grating treads — drained, slip-resistant and replaceable tread by tread.

Slip safety Fit to the stair

Load

COMMON STARTING POINTS

Stair Tread Grating · Serrated Steel Grating · Aluminum Grating · Galvanized Steel Grating



Trench Covers & Drainage

Drainage covers that keep water moving and traffic safe — from pedestrian channels to truck crossings.

Load & traffic Drainage

Access & security

COMMON STARTING POINTS

Trench Cover Grating · Heavy Duty Steel Grating · Galvanized Steel Grating · Stainless Steel Grating



Industrial Flooring

Mezzanine and factory flooring that combines load capacity with light, air and sprinkler penetration.

Load Traffic & surface Services & layout

COMMON STARTING POINTS

Welded Steel Grating · Heavy Duty Steel Grating · Galvanized Steel Grating

APPLICATION SELECTION · 02

Power, warehouses, tanks, stairs and architectural access



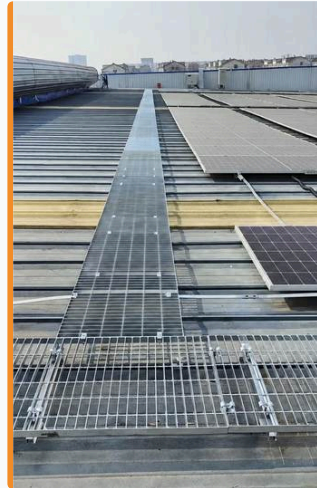
Chemical Plant Grating

Material and finish selection for chemical splash, washdown, condensate and combined platform, tank-area and pipe-rack supply.

[Exposure map](#)
[Surface and drainage](#)
[Combined panel schedule](#)

COMMON STARTING POINTS

Galvanized Steel Grating · Stainless Steel Grating · Serrated Steel Grating · Custom Irregular Grating



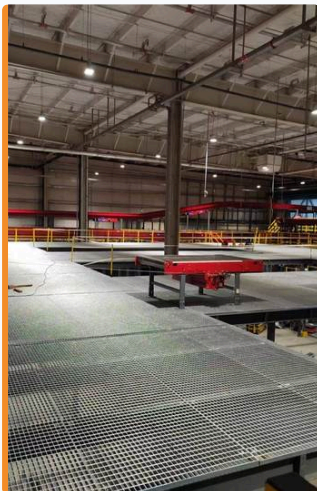
Solar PV Walkway Grating

Lightweight maintenance walkways matched to roof load allowance, rail spacing, manual handling and dew or frost exposure.

[Roof and support limits](#)
[Handling and layout](#)
[Weather exposure](#)

COMMON STARTING POINTS

Light Duty Steel Grating · Aluminum Grating · Galvanized Steel Grating · Serrated Steel Grating



Warehouse Platform Grating

Open-grid flooring for multi-level logistics platforms where light, ventilation, sprinkler paths and small-wheel traffic interact.

[Fire and services coordination](#)
[Traffic map](#)
[Panel schedule](#)

COMMON STARTING POINTS

Welded Steel Grating · Light Duty Steel Grating · Heavy Duty Steel Grating · Custom Irregular Grating



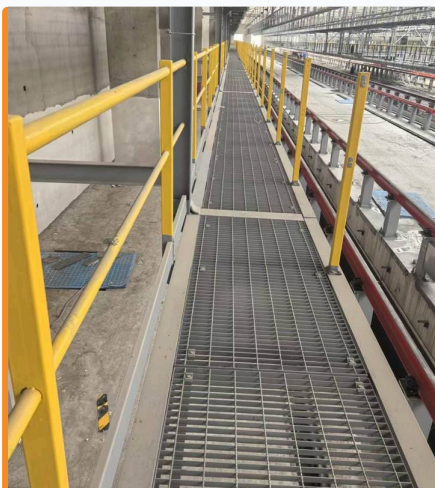
Tank Farm Walkway Grating

Curved and removable access panels around tanks, selected from vapour, condensate, H2S and maintenance conditions.

[Tank geometry](#)
[Exposure zones](#)
[Inspection access](#)

COMMON STARTING POINTS

Custom Irregular Grating · Galvanized Steel Grating · Stainless Steel Grating · Serrated Steel Grating



Pipe Rack Grating

Long, narrow maintenance corridors planned from rack support spacing, access frequency, wet exposure and panel sequence.

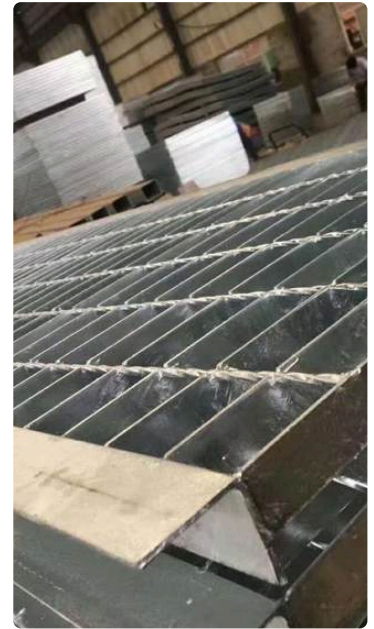
[Rack geometry](#)
[Operating route](#)
[Installation sequence](#)

COMMON STARTING POINTS

Galvanized Steel Grating · Serrated Steel Grating · Welded Steel Grating · Custom Irregular Grating

INSTALLATION PLANNING

Fixing and support information belongs on the drawing



Confirm before fabrication

- Bearing direction, support lines, clear spans and minimum bearing
- Fixed and removable panel boundaries
- Clip or fastener system, material and finish
- Panel gaps, walls, curbs, penetrations and equipment clearances
- Cut-outs, banding, toe plates, stair holes and nosing direction

Put installation information on the drawing

Use panel marks and a clear installation sequence. Put removable areas and fixing locations on the drawing; a general note is not enough.

If clips are included in the order, list type, finish and quantity in both the quotation and packing list.

Bearing direction

Support lines

Panel marks

Removable areas

Fastener schedule

PACKAGING & SHIPPING

Protect the finish and preserve the installation sequence


01

Packing plan

Method set per panel type, finish, route and site handling.

02

Tagging

Panels marked to layout numbering and installation sequence.

03

Bundling & crating

Strapped, palletized or steel-frame crated as planned.

04

Documentation

Packing list with panel numbers, gross and net weights, volumes.

05

Loading & photos

Container loaded to plan; loading photos can be provided when agreed.

Per-shipment planning

Packing method, panel marks, bundle handling, finish protection, destination limits and loading arrangement are confirmed from the actual order. Loading photos and a keyed packing list can be included when agreed for the shipment, supporting receipt and site sorting.

SELECTED PROJECT REFERENCES

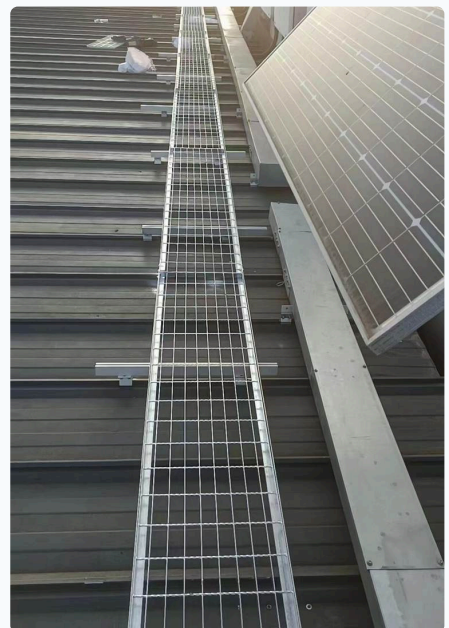
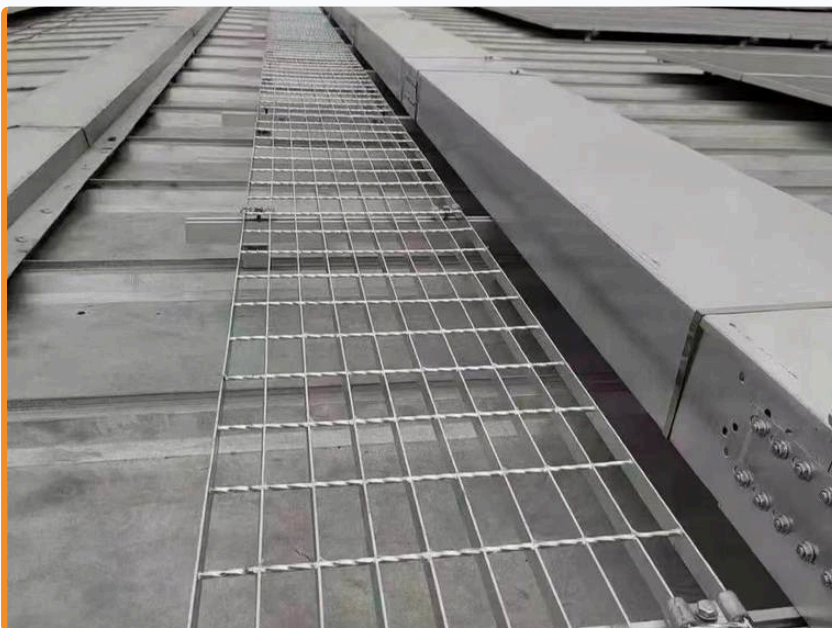
Real grating work across industrial applications

PROJECT 01**Henan Shenma Adiponitrile Chemical Unit Grating Platform**

Steel grating forms operating floors, maintenance walkways and stair landings around the adiponitrile process equipment, keeping access routes open around vessels, supports and service openings.

**PROJECT 02****Commercial & Industrial Rooftop Solar Grating Maintenance Walkway**

Steel grating creates a dedicated rooftop inspection walkway beside the solar arrays, giving maintenance personnel a clear access route across the metal roof.



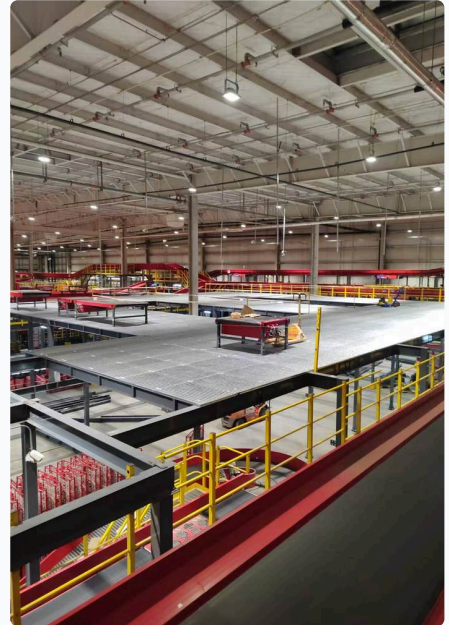
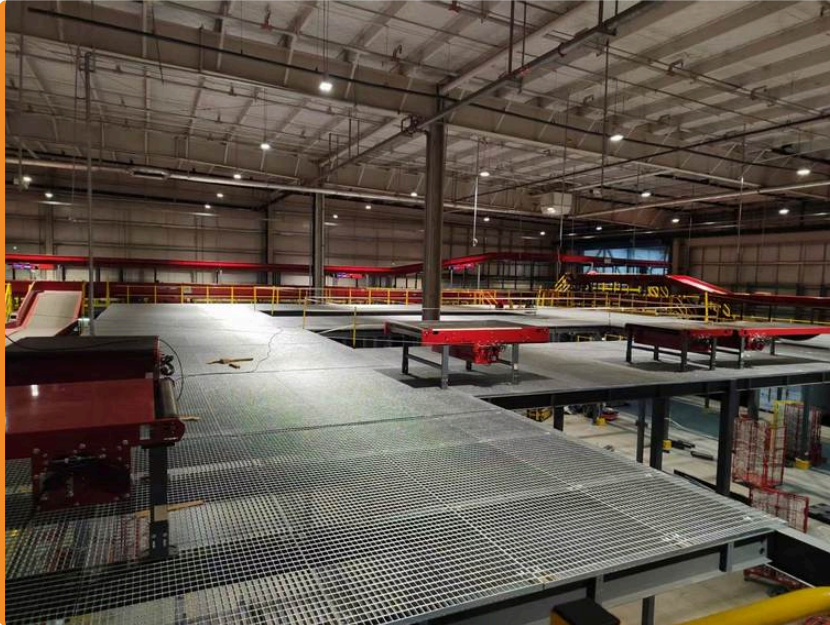
SELECTED PROJECT REFERENCES

Real grating work across industrial applications

PROJECT 03

Automated Logistics Conveyor Sorting Grating Platform

Steel grating forms broad operating floors and maintenance routes around the automated conveyor and sorting equipment, keeping machinery accessible from the platform.



PROJECT 04

Yulin Chemical Unit Grating Maintenance Platform

Steel grating forms elevated maintenance platforms and access routes within the chemical unit, allowing personnel to reach equipment and pipework across multiple structural levels.



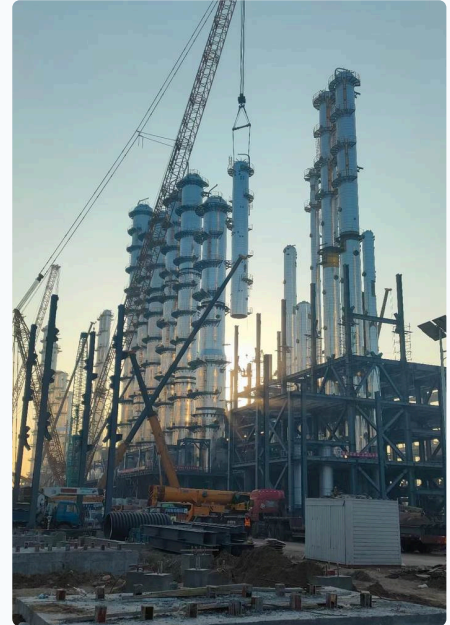
SELECTED PROJECT REFERENCES

Real grating work across industrial applications

PROJECT 05

Polysilicon Production Unit Grating Maintenance Platform

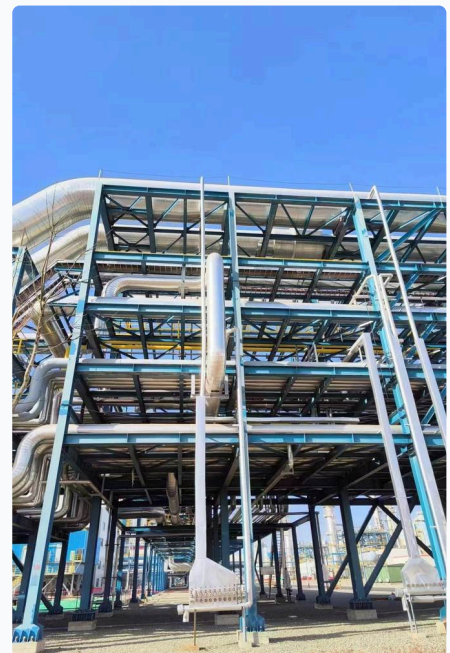
Steel grating is used across the multi-level process structure to create operating platforms, maintenance access and stair connections around the polysilicon production equipment.



PROJECT 06

Process Tank & Pipe Rack Grating Maintenance Platform

Steel grating provides circular tank platforms, elevated pipe-rack walkways and connecting maintenance access between process equipment.



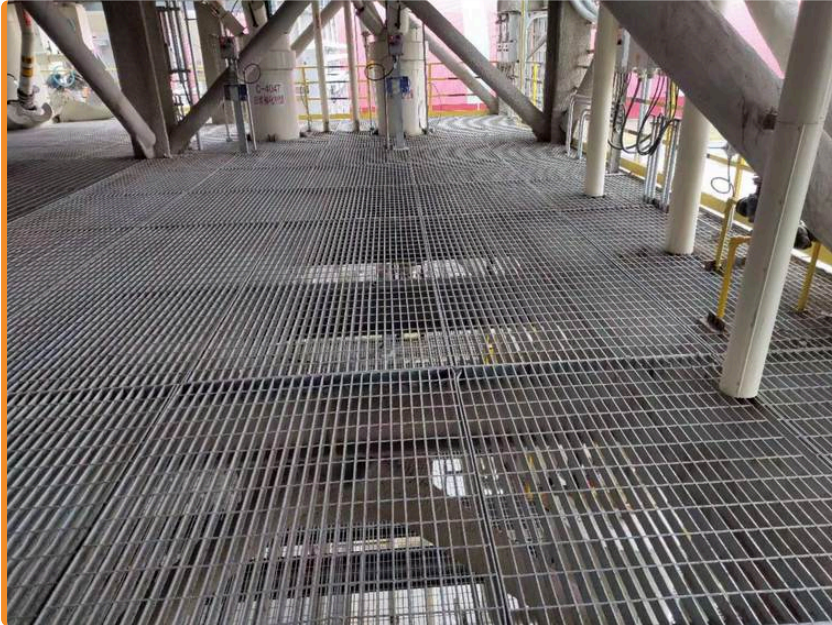
SELECTED PROJECT REFERENCES

Real grating work across industrial applications

PROJECT 07

Chemical Process Tower Multi-Level Grating Platform

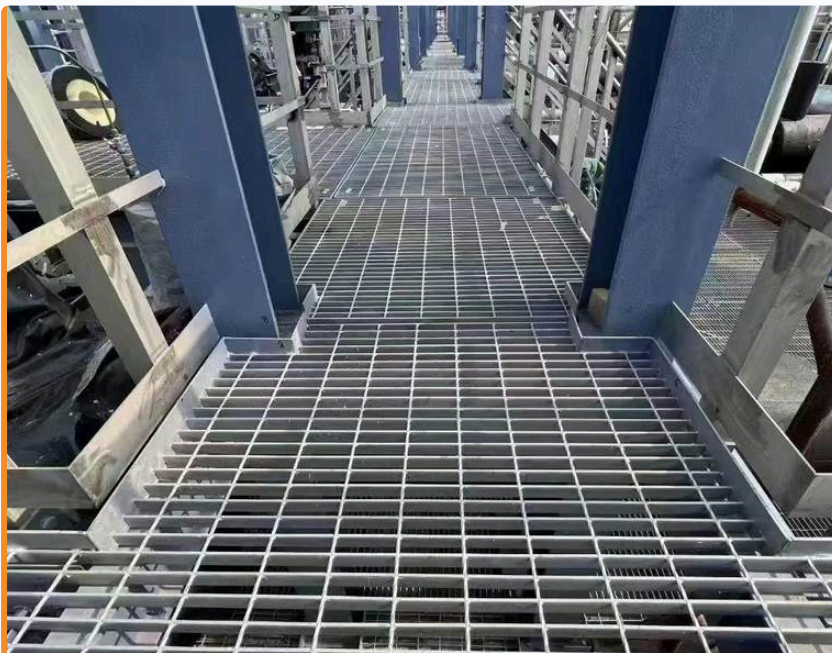
Steel grating forms multi-level operating platforms, stairs and equipment-side access around the process tower, including fitted areas around pipes and vessel bases.



PROJECT 08

Multi-Level Industrial Grating Maintenance Platform

Steel grating creates walking and working surfaces across the multi-level industrial steel structure, including equipment-side maintenance zones.



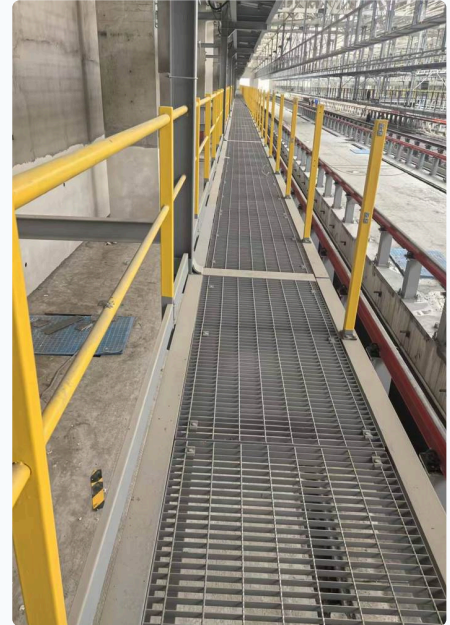
SELECTED PROJECT REFERENCES

Real grating work across industrial applications

PROJECT 09

Industrial Factory Elevated Grating Maintenance Walkway

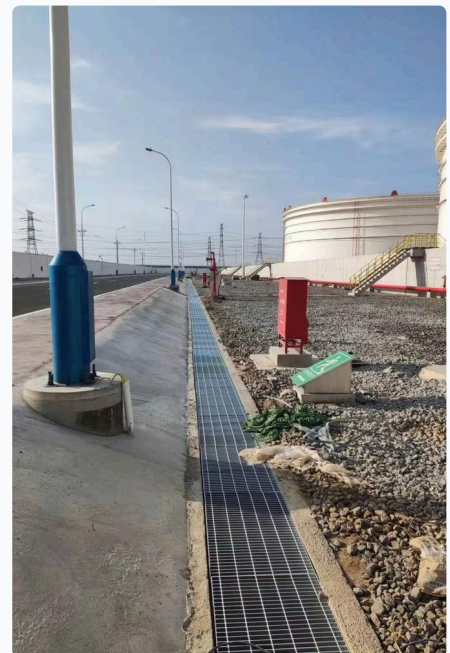
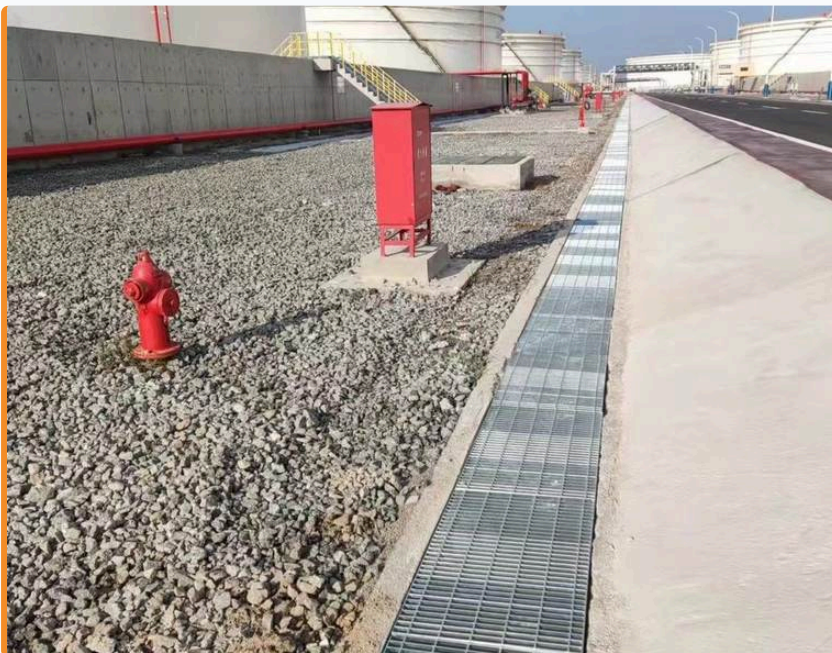
Steel grating forms the elevated inspection walkway alongside the factory structure, providing a continuous route for equipment access and maintenance.



PROJECT 10

Petrochemical Tank Farm Drainage Grating Covers

Steel grating covers the drainage channels along the tank-farm road, creating a passable surface while keeping the drainage route open.



SELECTED PROJECT REFERENCES

Real grating work across industrial applications

PROJECT 11

Automated Logistics Sorting Center Grating Platform

Steel grating is used as the large-area platform floor across the sorting center, connecting work zones and providing access around automated equipment.

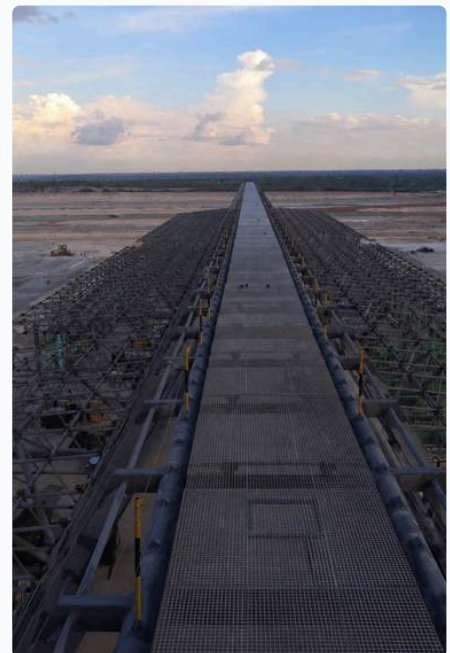
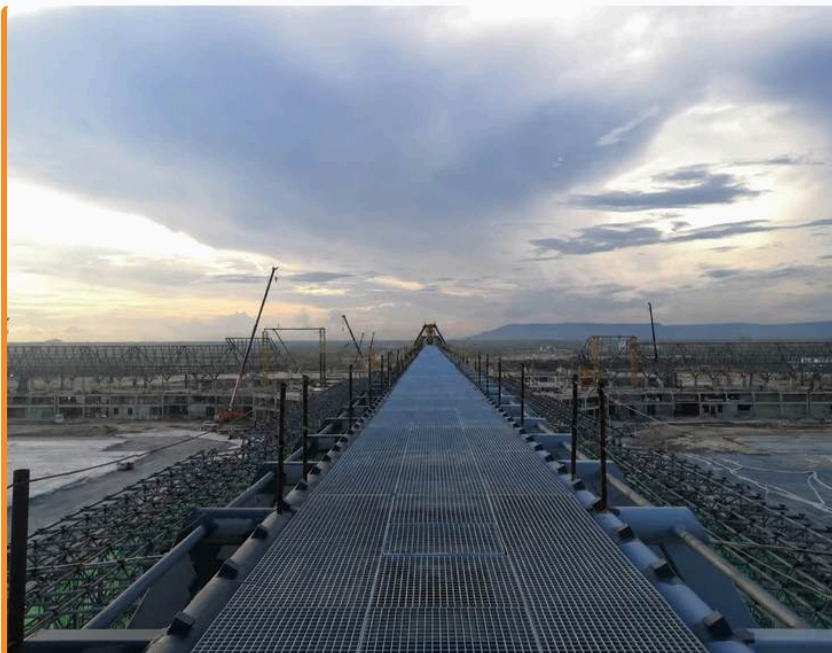


PROJECT 12

Cambodia Airport Access Maintenance Platform

Steel grating forms the long elevated airport passage maintenance platform, creating a continuous access route across the service area.

Recorded specification: 655/40/50



RFQ CHECKLIST & ORDER FLOW

Send complete inputs and compare the same scope

#	DETAIL	WHY IT IS NEEDED
1	Application (platform, walkway, treads, trench...)	Sets the product type and safety expectations
2	Environment (indoor / outdoor / wet / corrosive / marine)	Selects material and surface treatment
3	Load requirement (pedestrian / forklift / truck / uniform / wheel)	With span, fixes the bearing bar size
4	Support span (mm)	The single most important dimension — measured in the bearing bar direction
5	Panel size L × W (mm) + span direction	Wrong span direction is a safety failure, not a typo
6	Material (Q235 / Q355 / SS304 / SS316L / aluminum)	Drives strength, corrosion behavior and price
7	Surface treatment (HDG / painted / mill / anodized / passivated)	Corrosion protection and cost
8	Surface type (plain / serrated)	Slip resistance vs economy
9	Quantity (pcs / m ² / tons)	Sets the price basis and production batch
10	Installation method (welding / clips / bolts / hinged)	Adds clips, holes or frames to the scope
11	Drawings (PDF / CAD / sketch)	Cut-outs, banding, toe plates, numbering — no ambiguity
12	Packaging & marking (pallets / steel frames / panel tags)	Export-safe packing matched to site sorting

Main cost drivers

- Material grade, bearing bar depth and thickness
- Bearing bar spacing and total panel weight
- Welded, press-locked, swage-locked or special construction
- Cut-outs, banding, toe plates, nosing, hinges and handles
- Hot-dip galvanizing, passivation, anodizing or specified coating
- Quantity, packing, freight, inspection and documentation

Drawing-based order flow

- | | | | |
|----|------------------|----|----------------------------|
| 01 | Send drawings | 02 | Specification confirmation |
| 03 | Panel detailing | 04 | Production |
| 05 | QC & galvanizing | 06 | Export packing |

START YOUR QUOTATION

Contact DONGFU GRATING

Anping Dongfu Wire Mesh Co., Ltd.

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BUSINESS HOURS**Mon-Sat 8:30-18:00 (GMT+8)**

We aim to reply within one business day



WEBSITE



WHATSAPP