

PRODUCT FAMILY DATASHEET

Welded Steel Grating

Pressure-welded carbon steel panels, the general-purpose structure for platforms and walkways.



What This Family Is For

Welded steel grating is the workhorse: bearing bars set on pitch, cross bars pressure welded across them, the whole panel hot-dip galvanized. It carries the loads, it drains, it is the cheapest structure per square metre, and it is what most platforms, walkways and trench covers are actually made of. ShengJingYe produces it on an automatic pressure welding line in 30x2.5 and 32x3 bearing bar, with flat or round cross bar.

Products In This Family

Product	Group	Summary
Welded Steel Grating 30x2.5 With Flat Cross Bar	Welded Steel Grating	Pressure-welded carbon steel panel on 30x2.5 bearing bar with an 8x2 flat cross bar, hot-dip galvanized, for general platform, walkway and trench duty.
Welded Steel Grating 32x3 With Round Cross Bar	Welded Steel Grating	Pressure-welded carbon steel panel on 32x3 bearing bar with a 6 mm round cross bar, hot-dip galvanized, a step up in section from the 30x2.5 panel.

Published Specification

Property	Value
Material	Carbon Steel
Bearing bar	30 x 2.5 mm
Cross bar	8 x 2 mm
Surface treatment	Hot-dip Galvanizing
Structure	Welded Steel Grating
Panel size	Made to your drawing
Place of production	Yantai, Shandong Province, China
Brand	ShengJingYe
Minimum order quantity	Small batch accepted
Load class	TBC, confirmed in writing against your loading
Lead time	Confirmed in writing per order, not published

Figures are reproduced from the manufacturer's published specification and may be revised. Rows reading 'not published' are figures the source specification does not publish; they are confirmed in writing rather than estimated. Confirm the current revision with your quotation.

Why Buyers Choose This Range

- Produced on an automatic pressure welding line rather than by hand-tacking
- 30x2.5 with 8x2 flat cross bar, or 32x3 with a 6 mm round cross bar
- Hot-dip galvanized after cutting and banding
- Panels made to the finished size, banded, and marked for their position
- Small batch and customized runs accepted

Problems It Solves

- Panels delivered out of square so a run of them will not line up on the steelwork
- Cross bar welds that break loose under vibration and let the mesh open up
- Galvanizing applied before fabrication, leaving cut ends bare
- Long lead times on quantities that are too small for a big mill to be interested in
- Panels sized to a standard sheet and then cut on site, which wastes both steel and time

Who It Is For

- Steel fabricators building platforms, walkways and mezzanines
- Process plant and refinery contractors
- Warehouse and logistics fit-out contractors
- Trading companies supplying grating into construction projects

Application Scenarios

- Access platforms and maintenance walkways
- Mezzanine and racking decks that need to drain or pass light
- Trench and pit covers in yards
- Stair treads and landings

Materials

- Carbon steel bearing bar and cross bar
- Zinc coating applied by hot-dip galvanizing

Manufacturing Process

1. Drawing and 3D model
2. Cutting and stamping
3. Pressure welding or press locking
4. Framing and fabrication
5. Surface treatment
6. Inspection and packing

Customisation Options

- Panel length, width and division to your opening

- Serrated bearing bar for wet or oily surfaces
- Banding bar, end plates, hooks and lifting points
- Cut-outs for pipework and structure

Certification Standards

Production follows TBC, the source specification publishes no certification marks. Certificates are sent per product on request.

Questions Buyers Ask

What is the difference between the 8x2 and the round cross bar?

A flat 8x2 cross bar gives a slightly stiffer panel and a squarer mesh. A round 6 mm cross bar is lighter and is common where the panel is mainly carrying pedestrian load.

Are the panels serrated?

Serrated bearing bar is produced for surfaces that get wet or oily. Say where the panel goes and the surface is specified with it.

How are panels packed for export?

Stacked flat, banded and loaded for sea freight, which is how most of this plant's output ships.

Can you work from our steelwork drawings?

Yes. Panel layouts are taken from the drawing and each panel is marked so it goes to the right opening on site.

Do you supply aluminium grating?

The company produces carbon steel, stainless steel and aluminium alloy grating. Aluminium is quoted per enquiry because it is not one of the published web catalogue sections.

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