

PRODUCT FAMILY DATASHEET

Ditch Steel Grating

Long, narrow panels built to cover a drainage ditch run, in galvanized carbon steel or passivated stainless.



What This Family Is For

A ditch grating is not a square panel cut down. It is a long, narrow panel whose bearing bar runs across the channel, whose length is set by what one person can lift, and whose edges have to sit in a frame that was cast, not machined. ShengJingYe produces these in stainless steel 30x5 with acid passivation for interior and washdown floors, and in hot-dip galvanized carbon steel 32x5 for yards and roadways.

Products In This Family

Product	Group	Summary
Ditch Steel Grating 30x5 Stainless Steel	Ditch Steel Grating	Stainless steel ditch grating on 30x5 bearing bar with an 8 mm round cross bar, acid passivated, for interior floor channels that are washed down.
Ditch Steel Grating 32x5 Carbon Steel	Ditch Steel Grating	Hot-dip galvanized ditch grating on 32x5 bearing bar with a 6 mm round cross bar, for yard and roadway channels crossed by vehicles.

Published Specification

Property	Value
Material	stainless steel
Bearing bar	30 x 5 mm
Cross bar	φ8 mm
Surface treatment	Acid Passivation
Structure	Ditch 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

- Panel length set for handling and cleaning, not by a standard sheet size
- Stainless steel 30x5 acid passivated, or carbon steel 32x5 hot-dip galvanized
- Round 8 mm and 6 mm cross bar options depending on the structure
- Frames, end plates and hold-downs fabricated with the run
- Made to the channel as built, from your dimensions

Problems It Solves

- Channel runs covered with panels of random lengths left over from another job
- Grating that lifts under a passing wheel because nothing holds it down
- Corroded panels in a washdown area where carbon steel should never have been used
- Trench covers that trap dirt and cannot be lifted for cleaning
- Site-cut panels with bare, rusting cut ends

Who It Is For

- Drainage contractors and channel system suppliers
- Food and beverage plants with floor channels along production lines
- Yard and hardstanding contractors
- Facility maintenance teams replacing failed trench covers

Application Scenarios

- Floor drainage channels in food and beverage production
- Yard and loading bay drainage crossing vehicle routes
- Car park and ramp drainage runs
- Wash bays and vehicle cleaning areas

Materials

- Stainless steel bearing bar and cross bar, grade TBC
- Passive layer restored by acid passivation after fabrication

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 and division along the run

- Hold-downs and anti-lift clips in stainless
- End plates, corners and junction panels
- Surface finish where the channel is visible in a public kitchen

Certification Standards

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

Questions Buyers Ask

What length should the panels be?

Short enough to lift for cleaning, long enough not to multiply joints. Send the run length and who will be lifting them and the division is drawn to suit.

Stainless or galvanized for a food plant?

Stainless steel with acid passivation, because a food floor is washed down with chemicals that will strip zinc.

Can the panels be locked down?

Yes, hold-down bolts and edge clips are fabricated with the panel where vehicles cross.

Will the panels fit a channel we already cast?

They are made to the channel as measured. Send internal width, depth and the frame detail, with photographs.

Do you make matching gully and sump covers?

Yes, in the same structure and finish so the run looks continuous.

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