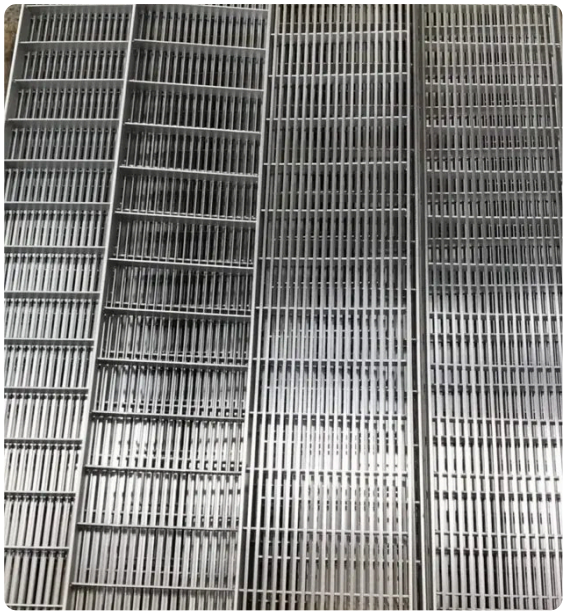
FABRICATED ON WEDGE WIRE

Drainage grates

At SIMO Screens, we make stainless steel slot drainage grates and trench covers, made to the channel and the load the buyer specifies.

Stainless grates do not rust, crack or rock in the channel, so floors drain and stay safe without frequent replacement.

SLOT	LOAD CLASS	MATERIAL
3 mm and 5 mm	To buyer specification	SS 304 or SS 316L



V-PROFILED WIRE

Resists clogging. Carries the pressure. Opens more area.

The wire meets a particle at two points and the slot widens behind the face, so what passes cannot lodge.

WELDED AT EVERY JUNCTION

Holds its slot under load.

Each wire is resistance welded to every support rod, so the screen resists pressure transients up to 300 PSI and thermal cycling without stretching or tearing.

BUILT TO YOUR EQUIPMENT

Fits at the first shutdown.

Made to your drawing, sample or vessel, in the alloy the medium calls for, so it drops into the equipment already in place.

FEATURES AND BENEFITS

High open area

Continuous slots give a high open area for the slot width, so water leaves the floor quickly.

Non-clogging slot

Particles that pass the flat face fall clear through the widening slot.

Hygienic surface

With no punched holes or woven crossings to hold dirt, the grate is cleaned with a brush or a hose.

Safe underfoot

The slot can be held narrow enough for heels, trolley wheels and crutches.

USED IN

BUILDINGS AND DRAINAGE · FOOD PROCESSING · RAINWATER HARVESTING AND STORMWATER

WHY WEDGE WIRE

Non-clogging geometry

The V-profiled wire meets an oversize particle at two points, and the slot widens inward, so what passes the face cannot lodge behind it.

One rigid structure

Resistance welds at every wire and rod intersection resist thermal cycling and pressure transients up to 300 PSI.

More open area

Continuous slots give more open area than mesh or perforated plate at the same aperture, for capacity with low pressure drop.

SPECIFICATION

Ranges and options

Slot	Heel-safe to coarse outdoor slots; 3 mm and 5 mm common in kitchens
Profile wire	Light, standard or heavy duty, from 12SB to 56SB
Support rod	Flat rods F123, F203 or F253, selected for span and load
Wire direction	Along the length of the grate or across it, to suit the traffic
Panel size	Single panels up to 2,400 mm wide and 4,000 mm long, divided into liftable sections
Material	SS 304 or SS 316L
Frame	Loose angle frame, cast-in frame and seating angles, or an existing ledge
Fixings	Loose lay, lifting slots or locking fixings
Finish	Pickled and passivated, brushed or electropolished

QUALITY

ISO 9001:2015
Quality system covering design, production and inspection.

Slot control
Feeler gauges through the run; optical measurement where a gauge cannot be used.

Final inspection
Report records minimum, maximum and mean slot against tolerance.

Traceability
QR-coded tag (laser marking where required); heat numbers traced to the MTC.

OFTEN SUPPLIED WITH

- Pool and shower grates
- Flooring panels
- Flat panels and false bottoms

HOW WE ENGINEER YOUR SCREEN

01 **Share the requirement**
Drawing, sample or process data

02 **Engineering review**
Slot, profile, rod, material and flow

03 **CFD and FEA**
Pressure drop and strength, where required

04 **Drawing approval**
GA drawing and datasheet approved

05 **Manufacture**
Resistance welded and fully inspected

06 **Dispatch**
Mill Test Certificate with every product

FOR A QUOTATION, SEND OUR ENGINEERS

01 Where the grate will be used: kitchen, food plant, hospital, car park or outdoor area

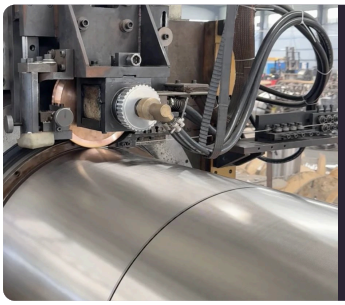
02 Clear width of the channel, depth to the seating ledge and total run length

03 A layout drawing showing corners, tees, ends and outlets

04 Traffic type and the load class in your specification, if one applies

05 Maximum slot width allowed and the preferred wire direction

06 Material, SS 304 or SS 316L, and the finish



Send your drainage grates specification

sales@simoscreens.com · +91 93730 08466 (phone and WhatsApp)

Scan to open the specification form. Our engineers will connect with you within a working day.