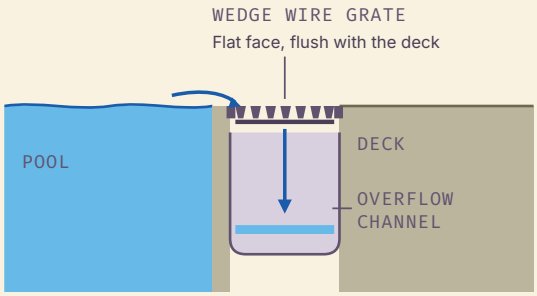
FABRICATED ON WEDGE WIRE

# Pool and shower grates

At SIMO Screens, we make pool, shower and balcony grates in brushed or electropolished stainless steel, made to the channel size.

**A flat, smooth, corrosion-resistant grate stays flush with the deck and drains fast, so the pool stays open.**

| MATERIAL | FINISH | FIT |
|---|---|---|
| **Duplex 2205 or SS 316** | **Brushed or electropolished** | **Made to channel size** |




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

### Comfortable underfoot

The smooth, flat wire face suits bare feet, and narrow slots keep toes, heels and small objects out of the channel.

### Fast drainage

Continuous slots give a high open area for the slot width, so overflow and shower water leave quickly.

### Non-clogging slot

Hair and particles either pass the widening slot or sit on the face, which keeps the channel flowing between cleanings.

### Clean appearance

Parallel wires give a fine, regular line that suits tiles, stone and timber decks.

## USED IN

BUILDINGS AND DRAINAGE

## 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** | Narrow slots for barefoot areas, wider slots for landscape drains |
| **Profile wire** | Light profiles such as 12SB or 15SB for a fine look, heavier profiles for higher loads |
| **Support rod** | Profile or flat rods sized to the channel width |
| **Wire direction** | Across the channel, the usual choice for pool edges |
| **Material** | Duplex 2205 recommended; SS 316L as the budget option |
| **Shape** | Straight lengths, corners and curved sections rolled to the channel radius |
| **Frame** | Loose lay on the channel ledge, or a frame to tile in |
| **Finish** | 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

- Drainage grates
- Architectural panels
- Flooring panels

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 Application: pool overflow, shower drain, balcony or landscape drain

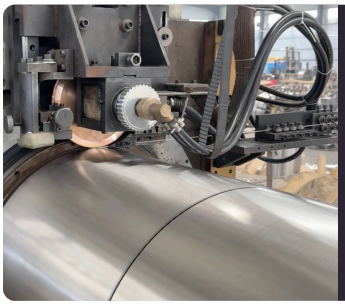
02 Clear channel width, depth to the seating ledge and total length

03 A plan or setting-out drawing, with the radius for curved sections

04 Pool type: chlorinated or saltwater, indoor or outdoor

05 Preferred slot width and wire look, if you have one

06 Material and finish



## Send your pool and shower 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.