Perforated Panel Data Sheet

Stainless Steel (304 / 316) perforated panels. Open area follows the pattern. Thickness, size, and tolerance are confirmed on the drawing.

What this sheet covers

This is Metal Divider's data sheet for perforated panels in Stainless Steel 304 or 316. It states the grade, the punched opening types on the current manufacturing route, and how open area is set.

Approved drawings govern. If this sheet and the drawings differ, follow the drawings. This sheet does not restate another manufacturer's panel system, hardware schedule, or project claim.

The only material named here is Stainless Steel (304 / 316). This sheet states no lead time, certificate, patent, or environmental rating. Questions go to metal-divider.com, the form at /inquiry/, or info@metal-divider.com.

Specification summary

Read the table as a boundary, not as a hole chart. A cell that says confirmed on the drawing has no catalog number. Do not fill it from another process or another project.

Item	Value on this sheet
Material	Stainless Steel 304 or Stainless Steel 316
Process	CNC punch or stamp
Openings	Round, square, hexagonal, slot, or a custom punch
Open area	Set by the pattern. No single percentage.
Thickness	Confirmed on the approved drawing
Panel size	Confirmed on the approved drawing
Fabrication tolerance	Confirmed on the approved drawing
Finished panel weight	Calculated from the confirmed thickness and the open area
Design pressure and supports	Not set by this sheet

Stainless Steel 304 and 316

The base metal is Stainless Steel (304 / 316). The grade is a specified attribute: the drawing and the inquiry name 304 or 316. Punching does not change it.

Use 304 when the drawing specifies 304. Use 316 when the drawing specifies 316. Coastal exposure is a 316 question. Do not assume 304 covers it. If the drawing does not name a grade, do not guess. Have it confirmed before the pattern is released to punching.

- Name Stainless Steel 304 or Stainless Steel 316. Do not leave the material as stainless in general.
- Finish, if one is required, is named in the same inquiry. Finish does not change the grade.

Punched openings

Perforation on the current route is CNC punching or stamping. Use it for a uniform pattern that has to repeat from panel to panel. The openings are punched or stamped out of the sheet.

Opening geometry is round, square, hexagonal, or slot, or a custom punch defined by the pattern. Shape, size, and spacing are read from that pattern. This sheet does not publish one hole diameter, one slot size, or one grid for every panel.

A logo, a picture, or a freeform cut is not a punched hole chart. Send that pattern for a route check against laser cutting. Do not force it into the opening list above.

- Round, square, hexagonal, and slot openings are specified by the pattern, not by a fixed chart on this sheet.
- A custom punch is allowed only when the pattern defines the geometry.
- This sheet does not assign a burr class, a flatness limit, or an edge standard. Those are confirmed with the drawing.

Open area

Open area is the percentage of the panel face removed by the openings. It is a pattern specification. It is not a property of the grade, and this sheet does not publish one percentage for every perforated panel.

Larger openings at the same spacing raise open area. Wider spacing at the same opening lowers it. A different layout needs a new calculation from the drawing. Do not carry an open-area figure from one pattern to another.

Stiffness depends on how much metal remains. State the target open area in the inquiry when the pattern file does not already fix it. Shade, airflow, and view follow that pattern. This sheet states no acoustic rating.

- Give the target open area, or send the file that already fixes it.
- Do not treat a project photograph as the open area for a new pattern.
- Finished weight uses the open area of this pattern, not the weight of the solid sheet.

Pattern change	Open area
Larger openings, spacing unchanged	Higher. Recalculate from the drawing.
Wider spacing, opening size unchanged	Lower. Recalculate from the drawing.
Different layout	Do not reuse the previous percentage.

Thickness, size, and tolerance

Thickness, panel size, and fabrication tolerance are confirmed on the approved drawing before punching. This sheet does not print a single value for any of the three.

A figure is printed here only when it is both a Stainless Steel 304 or 316 perforation value and the same value used on the current manufacturing route. Thickness, maximum panel size, and punch tolerance do not meet that test. Do not fill the gap from another process, another panel system, or another project.

Laser-cutting tolerance does not apply to a punched panel. Tolerance moves with the route. The weight of the unperforated sheet does not apply after the pattern removes metal.

- Do not copy a thickness, a maximum size, or a tolerance onto this sheet from a brochure or from a previous job.
- Support depth, attachment hardware, span, cantilever, and design pressure are not set here. They belong on the project drawings.
- If the drawing omits thickness, panel size, or tolerance, stop and ask before punching. Write to info@metal-divider.com or use /inquiry/ at metal-divider.com.

What to send

Send the pattern and the drawing. Name the grade. Include the target open area if the file does not already state it. Name the finish and the panel quantity if they are already decided.

The inquiry form is at /inquiry/ on metal-divider.com. Email info@metal-divider.com.

- Pattern file, or opening shape, size, and spacing.

- Stainless Steel 304 or Stainless Steel 316.
- Target open area, if the pattern does not fix it.
- Panel size and thickness as drawn.
- Finish and quantity, if already decided.

Send	Needed to	Do not substitute
Pattern	Fix opening shape, size, spacing, and open area	A photograph of another screen
Grade	Name Stainless Steel 304 or 316	A general note that says stainless
Drawing	Confirm thickness, panel size, and tolerance	A blank filled from this sheet
Inquiry	Ask through /inquiry/ or info@metal-divider.com	An address or download from another data sheet