

USG
Ceiling
Solutions

USG PERFORATIONS
METAL CEILING SYSTEMS

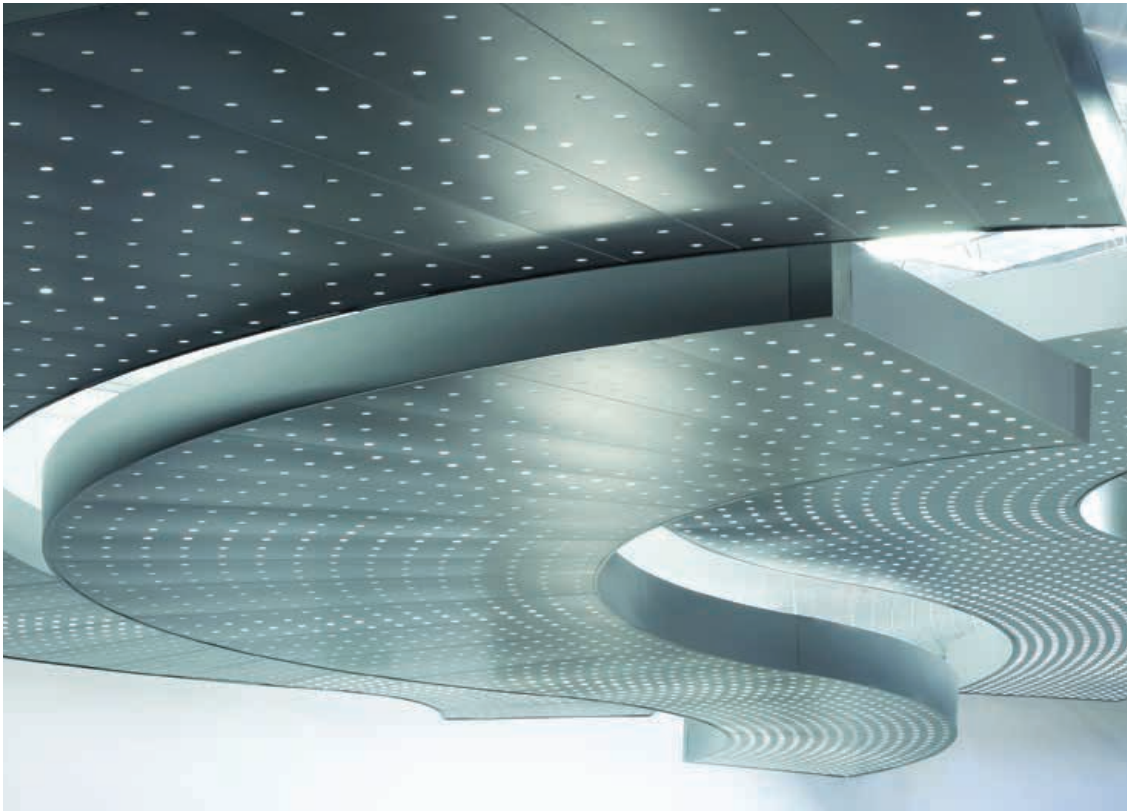
SELECTION GUIDE



IT'S YOUR WORLD. BUILD IT.™

**PRESENTING THE COMPLETE LINE OF STANDARD PERFORATION PATTERNS
OFFERED BY USG.**

**USG LIBRETTO®
GRIDLESS METAL
SYSTEM**



**USG CELEBRATION™
SNAP-IN METAL
PANELS**

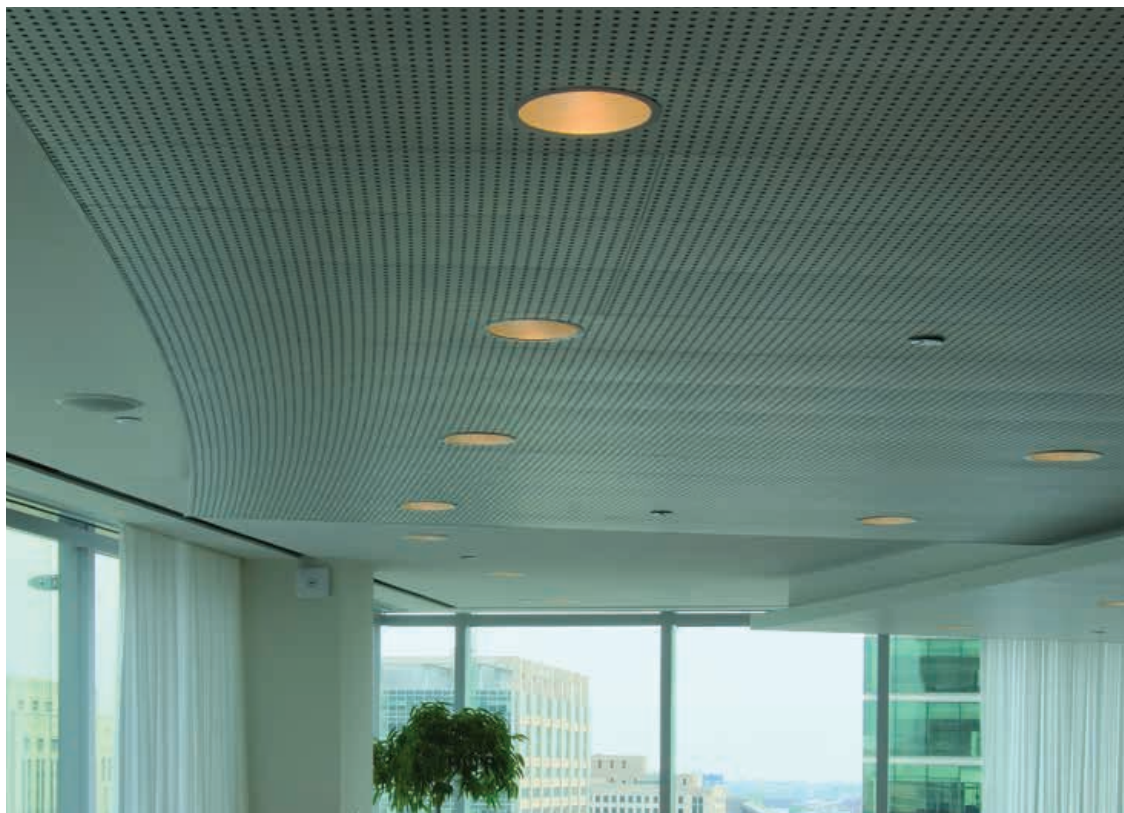
De Young Museum
San Francisco, CA



THE STANDARD PERFORATION PATTERNS OFFERED BY USG CAN BE USED FOR AESTHETIC AS WELL AS ACOUSTICAL DESIGN PURPOSES.

**USG LIBRETTO®
GRIDLESS METAL
SYSTEM**

USG Headquarters
Chicago, IL

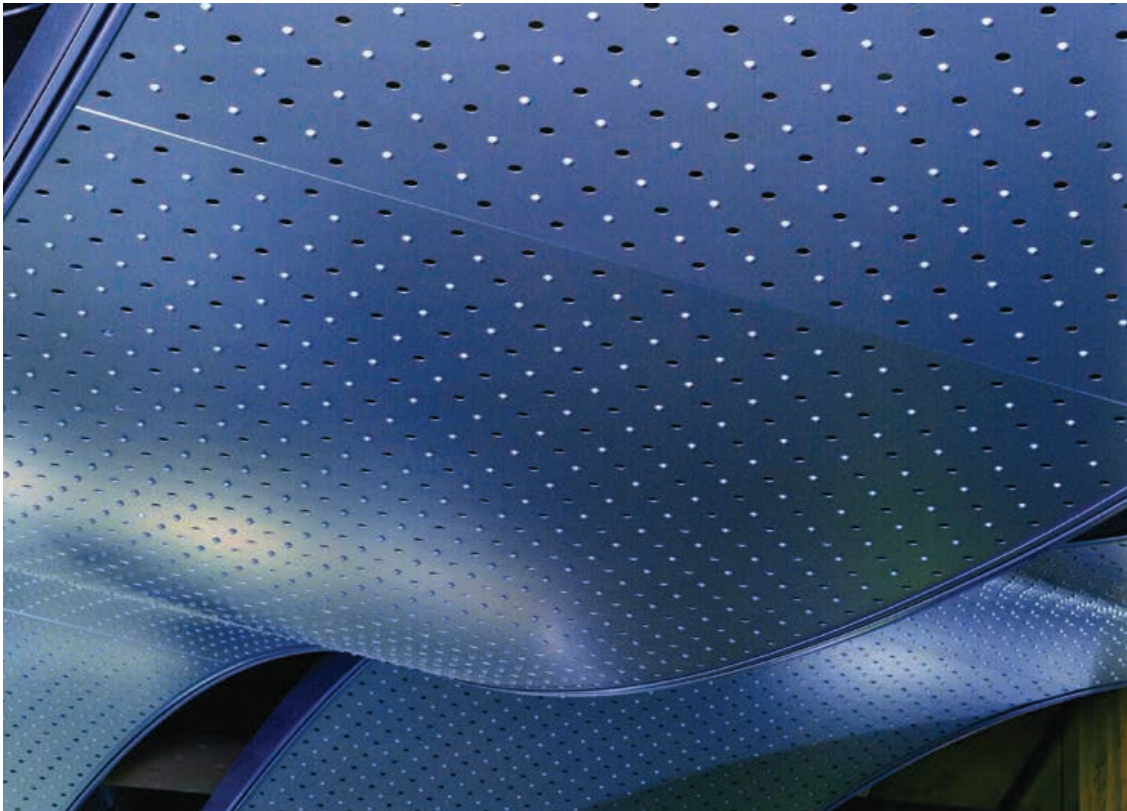


**USG PANZ® METAL
PANELS**

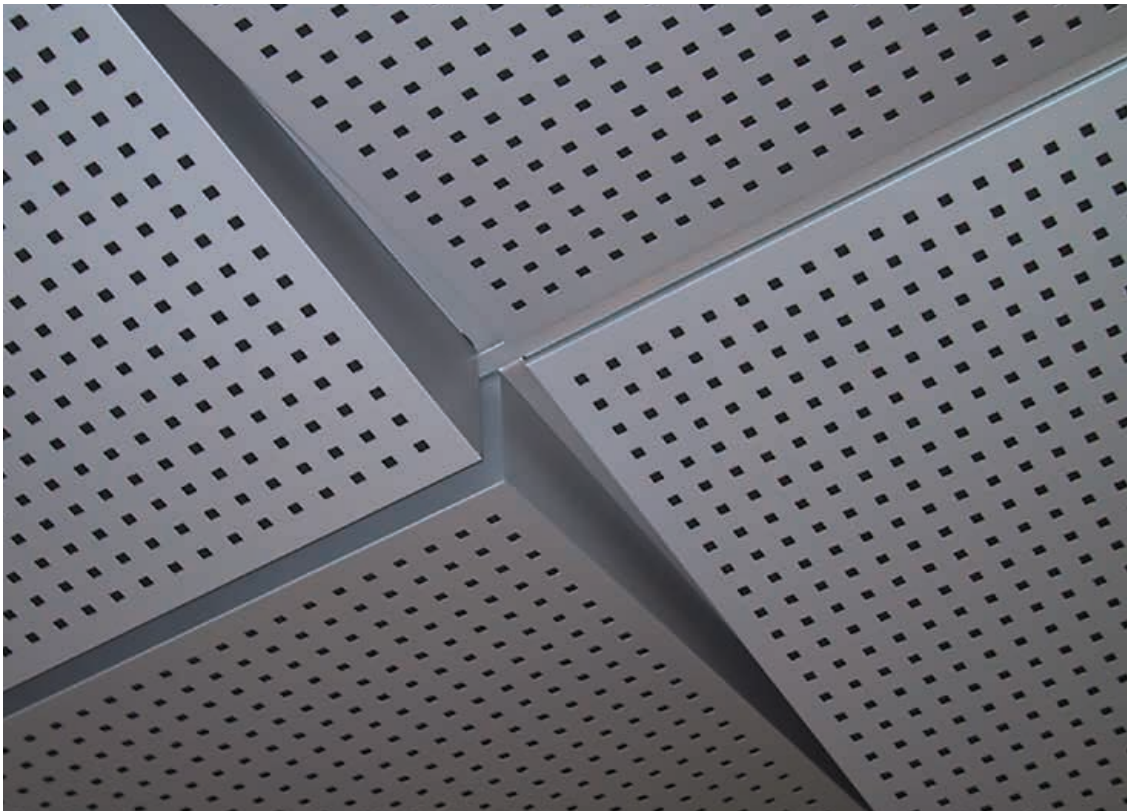


CREATE A DISTINCTIVE LOOK WITH THE VARIETY OF STANDARD PERFORATION SIZES, SHAPES AND LAYOUTS AVAILABLE.

USG CURVATURA™
3-DIMENSIONAL
CEILING SYSTEM



USG GEOMETRIX®
3-DIMENSIONAL
METAL PANELS



METAL PERFORATIONS

Please call 866 528-7089 to request a sample.

Presenting a complete line of perforation options for:

- USG Celebration™ Metal Panels
- USG Curvatura™ 3-Dimensional Ceiling System
- USG Geometrix® 3-Dimensional Metal Panels
- USG Panz® Metal Panels

STANDARD PERFORATIONS

Pattern Number	Perforation Pattern	Open Area % ⁴	NRC ⁶
A062	Round 1/16" Perforations, 0.25" o.c. (without border)	5%	0.60
A062A	Round 1/16" Perforations, 0.25" o.c.	5%	—
A062D (Micro perf.)	Round .062" Perforations, 0.124" o.c.	19%	—
A116	Round 15/128" Perforations, 0.354" o.c.	17%	0.70
A188	Round 3/16" Perforations, 1" o.c.	3%	0.35
A250	Round 1/4" Perforations, 0.5" o.c.	39%	0.75
A500 ^{1,5}	Round 1/2" Perforations, 0.848" o.c.	55%	—
B079	Round 5/64" Perforations, 0.312" o.c.	6%	—
B125	Round 1/8" Perforations, 0.375" o.c.	10%	—
B188A	Round 3/16" Perforations, 0.312" o.c.	33%	—
B197	Round 13/64" Perforations, 0.316" o.c.	35%	—
B250	Round 1/4" Perforations, 0.437" o.c.	30%	—
B250H (Formerly H250) ⁵	Round 1/4" Perforations, 0.32" o.c.	58%	—
B312	Round 5/16" Perforations, 0.437" o.c.	46%	—
B500 ^{1,5}	Round 1/2" Perforations, 0.600" o.c.	63%	—
C030 ⁶	Round 1/32" Perforations, 0.197" o.c.	1.8%	0.65
C040	Round 5/128" Perforations, 0.197" o.c.	3.2%	—
C062 ²	Round 1/16" Perforations, 0.351" o.c.	2%	0.40
C062A ²	Round 1/16" Perforations, 0.175" o.c.	10%	—
C116	Round 15/128" Perforations, 0.344" o.c.	8%	0.65
C188 ¹	Round 3/16" Perforations, 1.414" o.c.	1%	0.35
C250A	Round 1/4" Perforations, 0.65" o.c.	12%	—
C375 ²	Round 3/8" Perforations, 1.125" o.c.	9%	—
C500	Round 1/2" Perforations, 1.5" o.c.	9%	0.60
D250 ²	Square 1/4" Perforations, 0.75" o.c.	11%	—
D375 ²	Square 3/8" Perforations, 1.125" o.c.	11%	—
D500	Square 1/2" Perforations, 1.5" o.c.	17%	—
D500D ⁵	Square 1/2" Perforations, 0.595" o.c.	70%	—
EC25D ³	Round 1/4" dia. x 1/16" Embossing, 1.18" o.c.; No Perforation	0%	—
EC25U3	Round 1/4" dia. x 1/16" Embossing, 1.18" o.c.; No Perforation	0%	—
EM25D3	Round 1/4" dia. x 1/16" Embossing, 1/4" Perforations, 1.14" o.c.	2%	—
EM25U3	Round 1/4" dia. x 1/16" Embossing, 1/4" Perforations, 1.14" o.c.	2%	—

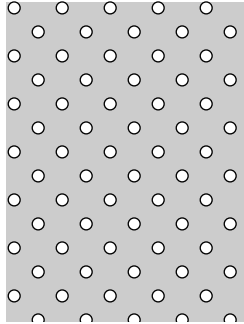
Notes

1. Do not use with USG Curvatura™ One-Directional Ceiling System.
2. Standard for USG Geometrix® panels.
3. 2'x2' USG Celebration™ and Panz® panels only.
4. Panels with an open area ≥ 50% offered in 2'x2' only.
5. 2' wide USG Celebration™ Snap-In, Celebration Torsion Spring, Panz® and Curvatura™ panels up to 6' long only.
6. The NRC values are from tested perforated panels with Acoustibond™ backer only.

**STANDARD
PERFORATIONS⁷**

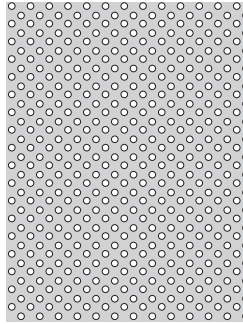
METAL PERFORATIONS

Pattern No. A062/A062A



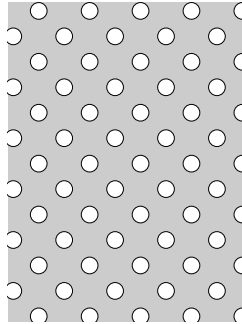
Round—1/16" perforations
0.25" o.c., 5% open area

Pattern No. A062D



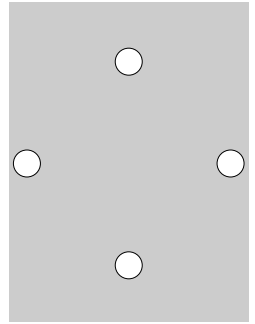
Round—0.062" perforations
0.124" o.c., 19% open area
Micro perf.

Pattern No. A116



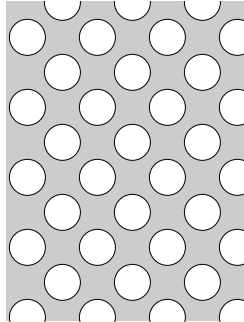
Round—15/128" perforations
0.354" o.c., 17% open area

Pattern No. A188



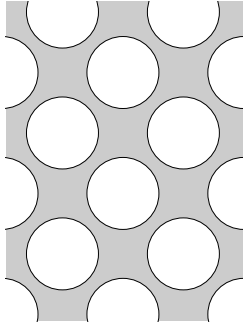
Round—3/16" perforations
1" o.c., 3% open area

Pattern No. A250



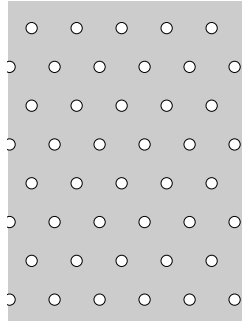
Round—1/4" perforations
0.5" o.c., 39% open area

Pattern No. A500



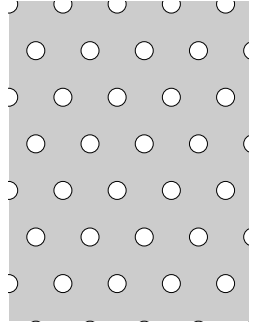
Round—1/2" perforations
0.848" o.c., 55% open area not to
be used with the USG Curvatura™
One-Directional Ceiling System

Pattern No. B079



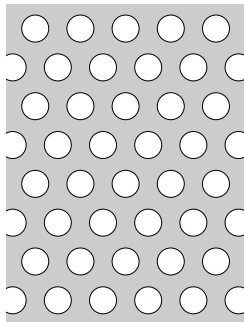
Round—5/64" perforations
0.312" o.c., 6% open area

Pattern No. B125



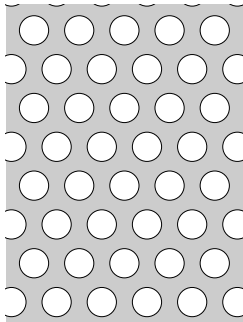
Round—1/8" perforations
0.375" o.c., 10% open area

Pattern No. B188A



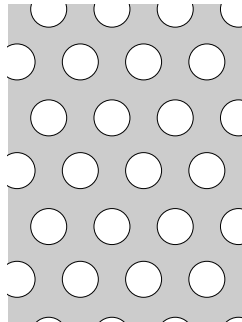
Round—3/16" perforations
0.312" o.c., 33% open area

Pattern No. B197



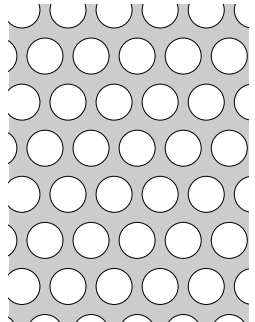
Round—13/64" perforations
0.316" o.c., 35% open area

Pattern No. B250



Round—1/4" perforations
0.437" o.c., 30% open area

Pattern No. B250H (formerly H250)

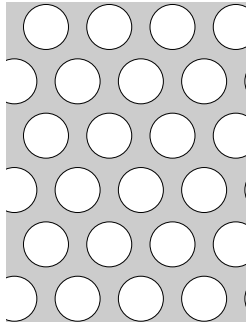


Round—1/4" perforations
0.32" o.c., 58% open area

STANDARD PERFORATIONS⁷

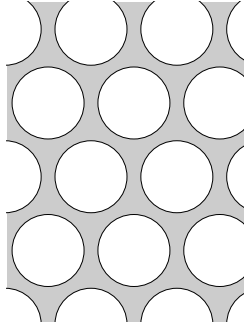
METAL PERFORATIONS

Pattern No. B312



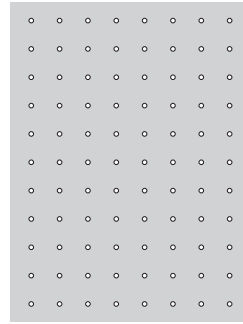
Round—5/16" perforations
0.437" o.c., 46% open area

Pattern No. B500



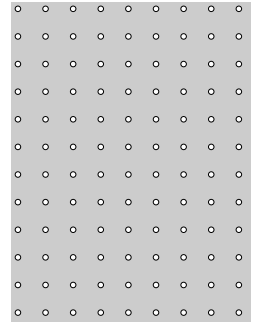
Round—1/2" perforations
0.600" o.c., 63% open area not to
be used with the USG Curvatura™
One-Directional Ceiling System

Pattern No. C030



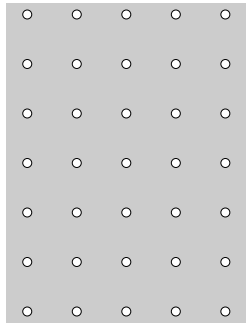
Round—1/32" perforations
0.197" o.c., 1.8% open area

Pattern No. C040



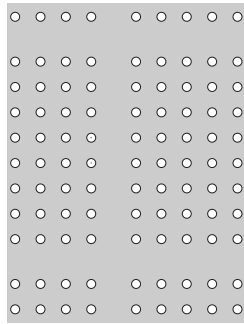
Round - 5/128" perforations
0.197" o.c., 3.2% open area

Pattern No. C062



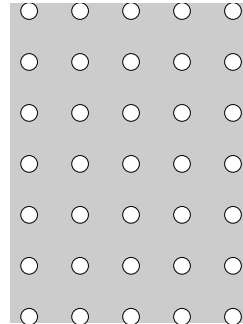
Round—1/16" perforations
0.351" o.c., 2% open area

Pattern No. C062A



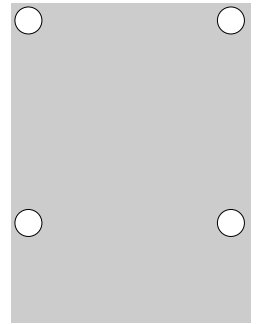
Round—1/16" perforations
0.175" o.c., 10% open area

Pattern No. C116



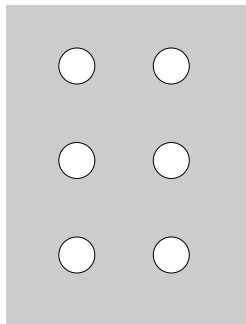
Round—15/128" perforations
0.344" o.c., 8% open area

Pattern No. C188



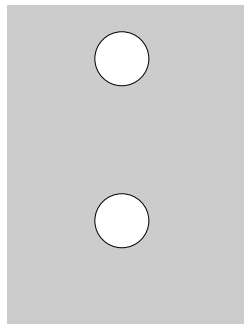
Round—3/16" perforations
1.414" o.c., 1% open area

Pattern No. C250A



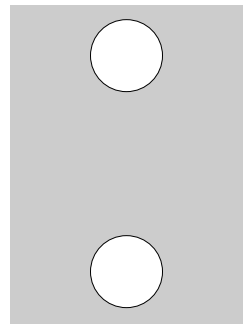
Round—1/4" perforations
0.65" o.c., 12% open area

Pattern No. C375



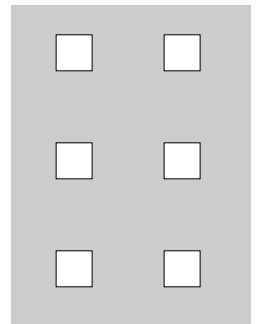
Round—3/8" perforations
1.125" o.c., 9% open area

Pattern No. C500



Round—1/2" perforations
1.5" o.c., 9% open area

Pattern No. D250

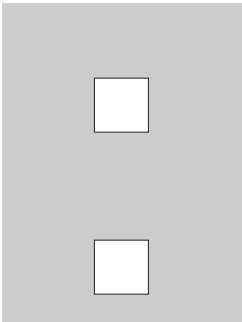


Square—1/4" perforations
0.75" o.c., 11% open area

METAL PERFORATIONS

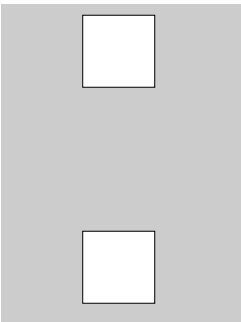
STANDARD PERFORATIONS⁷

Pattern No. D375



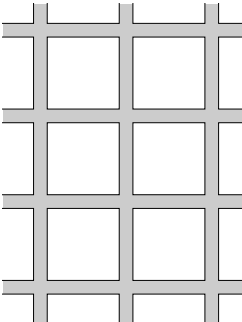
Square—3/8" perforations
1.125" o.c., 11% open area

Pattern No. D500



Square—1/2" perforations
1.5" o.c., 17% open area

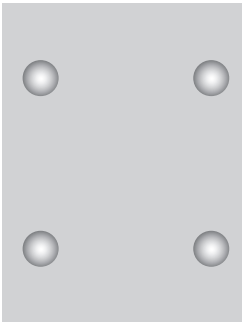
Pattern No. D500D



Square—1/2" perforations
0.595" o.c., 70% open area
(70% open area required for
sprinklers above ceiling)

EMBOSSING ONLY⁷

Pattern No. EM25D

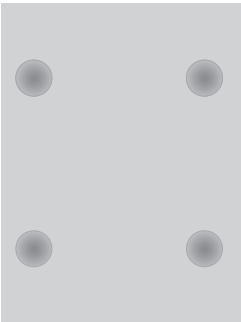


Round—1/4" dia. x 1/16" embossing
1.18" o.c., no perforation



Face side

Pattern No. EM25U



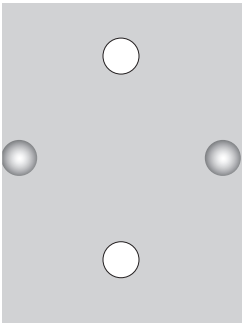
Round—1/4" dia. x 1/16" embossing
1.18" o.c., no perforation



Face side

EMBOSSING AND PERFORATIONS⁷

Pattern No. EC25D

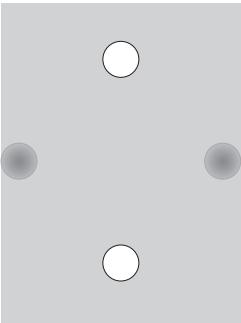


Round—1/4" perforations 1.41" o.c.,
2% open area Black Acoustibond™
backer standard



Face side

Pattern No. EC25U



Round—1/4" perforation 1.41"
o.c., 2% open area Acoustibond™
backer not available



Face side

7. Perforation patterns shown at 75% of actual size. When ordering, please refer to the pattern number for perforation samples (for example, "A062"). All samples are 6"x6".

CUSTOM PERFORATION WORKSHEET

In addition to our standard metal ceiling perforations, USG can make custom perforations to your specifications. For more information, contact your local USG Sales Representative or fill out this form and fax it to the USG Specialty Solutions Group at 440 892-7173.

Date

Project

Name

Firm

Phone

Fax

Email

PERFORATION SHAPE

Check only one

☐ Round, in./mm

☐ Square, in./mm

☐ Square at 45°, in./mm

PATTERN

Check only one

☐ Straight Line Pattern

☐ 45° Pattern

☐ 60° Pattern

DISTANCE BETWEEN PERFORATIONS

Dimension A

Dimension B

Dimension C





NOTES

[illegible]

CONTACT INFORMATION

Manufactured by
United States Gypsum Company
550 West Adams Street
Chicago, IL 60661

PRODUCT INFORMATION

See usg.com for the most
up-to-date product information.

CUSTOMER SERVICE

800 950-3839

TECHNICAL SERVICE

800 USG.4YOU (874-4968)

WEBSITES

usg.com
seismicceilings.com
sustainableceilings.com
usgdesignstudio.com

NOTE

Products described here may not be available
in all geographic markets. Consult your USG
Company sales office or representative for
information.

NOTICE

We shall not be liable for incidental and
consequential damages, directly or indirectly
sustained, nor for any loss caused by application
of these goods not in accordance with current
printed instructions or for other than the
intended use. Our liability is expressly limited
to replacement of defective goods. Any claim
shall be deemed waived unless made in writing
to us within thirty (30) days from date it was or
reasonably should have been discovered.

CODE COMPLIANCE

The information presented is correct to the
best of our knowledge at the date of issuance.
Because codes continue to evolve, check with
local officials prior to designing and installing
a ceiling system. Other restrictions and
exemptions may apply. This is only intended as a
quick installation reference.

SAFETY FIRST!

Follow good safety and industrial hygiene
practices during handling and installation
of all products and systems. Take necessary
precautions and wear the appropriate personal
protective equipment as needed. Read Safety
Data Sheets and related literature on products
before specification and/or installation.