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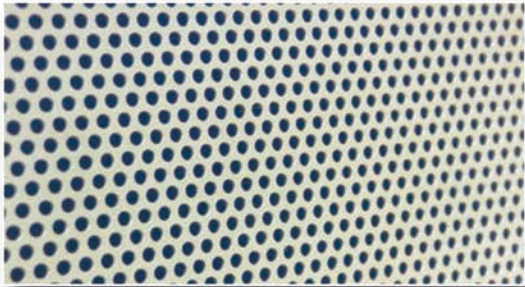
PERFORATED METAL

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**WE'LL CUT ANYTHING  
IN OUR INVENTORY  
TO YOUR SPECS!**

**"We manufacture in accordance  
with NAAMM Standards."**

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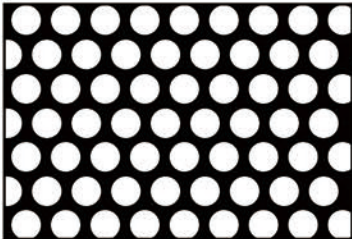


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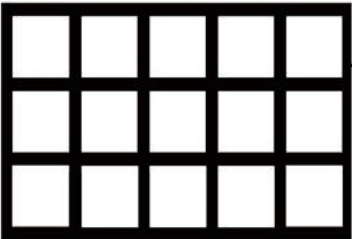
## PERFORATED METAL

Perforated metal is extremely versatile and lightweight. The most common applications include: screens, diffusers, guards, filters, vents and more. We can perforate most any metal, plastic or rubber material with round, square, slotted, decorative or architectural holes.



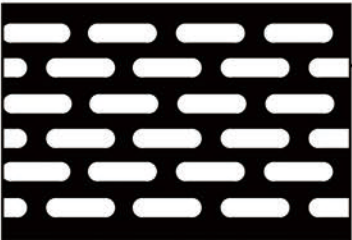
### ROUND PERFORATION

One of the most popular perforation options. Ventilation and decoration are some of its most common uses. You can choose from many sizes and patterns of holes.



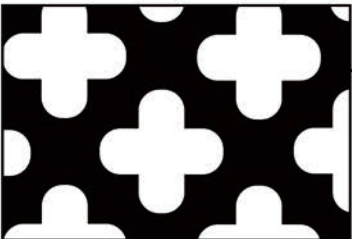
### SQUARE PERFORATION

A good option when a greater open area is required in a project. This translates to greater ventilation and lighter weight. Many square sizes and pattern layouts.



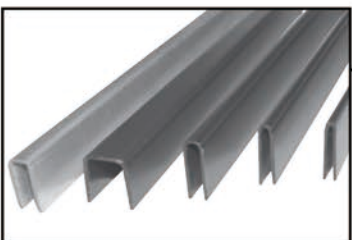
### SLOTTED PERFORATION

Provides greater ventilation than round perforation and is better suited for decorative use than square perforation. Many slot sizes and pattern layouts are available by special order.



### DECORATIVE/ARCHITECTURAL PERFORATION

Ideal for many architectural applications that require an aesthetic appeal. Many decorative styles, extremely versatile and lightweight. Some architectural applications include: sunscreens, ceiling panels, exterior cladding or any application requiring a decorative look.

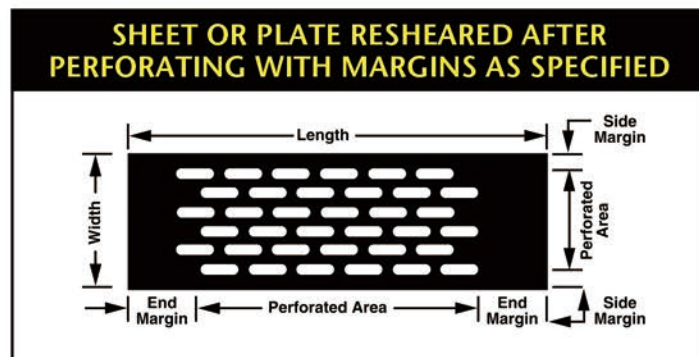
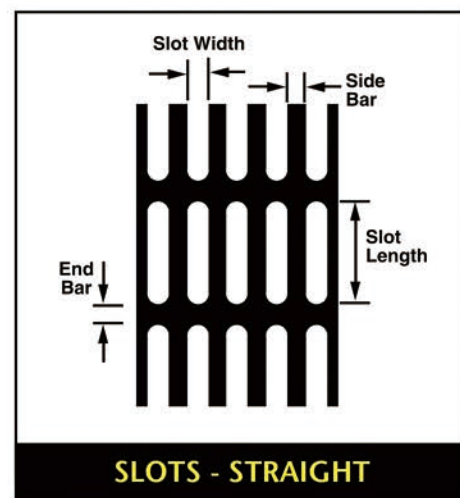
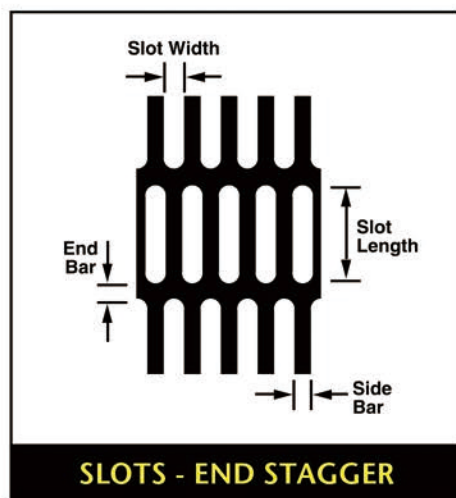
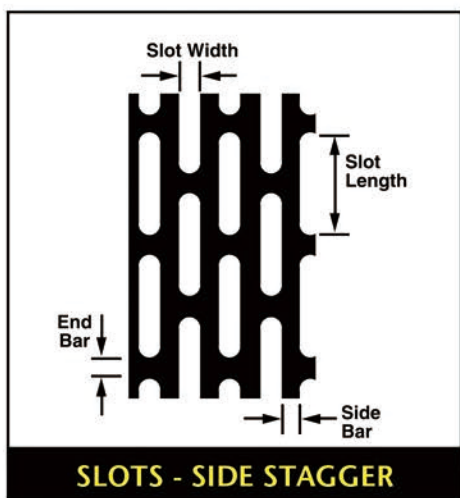
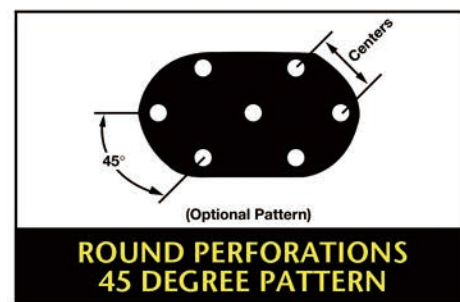
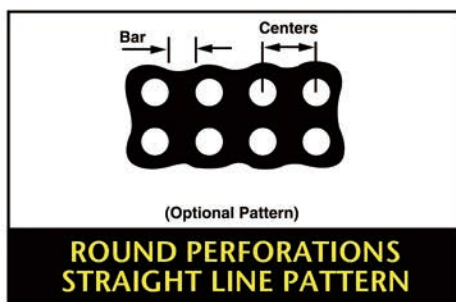
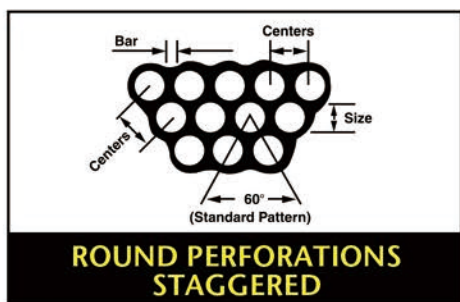
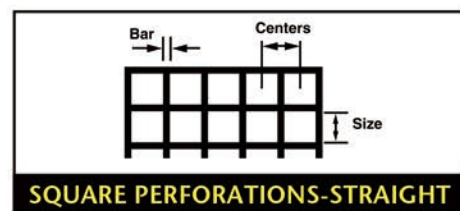
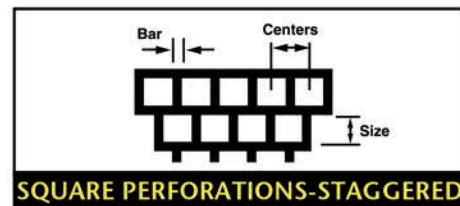
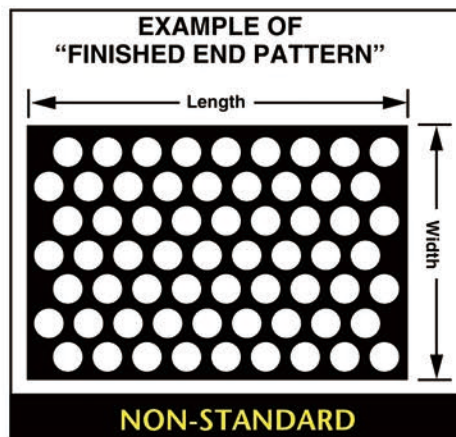
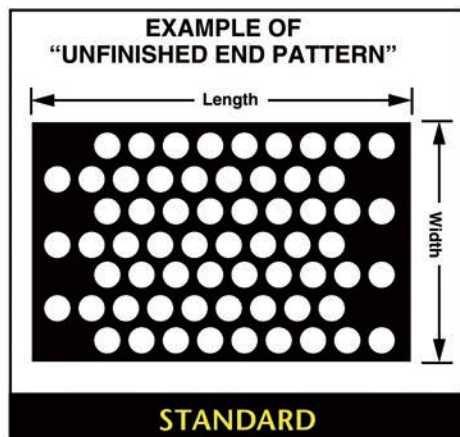


### U-EDGING

A perforated metal accessory that is a u-shaped strip attached to the edge of a perforated metal sheet to make the edges more attractive and safer. In carbon or stainless steel, aluminum and galvanized.

# PERFORATED METAL

## TYPES OF PERFORATIONS





## TOOL LIST

Perforations (inches)	Type Centers	Holes PSI	Open Area
.020	Straight	825	30%
.020	Staggered	625	23%
.023	Straight	576	24%
.023	Staggered	400	18%
.027	Straight	400	23%
.027	Staggered	320	18%
.033	Staggered	225	19%
.033	Straight	330	29%
.040	Straight	225	30%
.040	Staggered	186	23%
.041	Staggered	—	32%
.043	Staggered	—	35%
.045	Straight	225	37%
.045	Staggered	169	28%
.050	Straight	144	33%
.050	Staggered	115	26%
.055	Straight	144	33%
.055	Staggered	135	30%
.058	Straight	144	38%
.058	Staggered	115	35%

Perforations (inches)	Type Centers	Holes PSI	Open Area
.063	3/32"	Staggered	40%
.063	1/10"	Straight	30%
.063	7/64"	Staggered	30%
.063	1/8"	Staggered	23%
.067	1/8"	Staggered	28%
.071	1/8"	Staggered	30%
.077	7/64"	Staggered	45%
.078	1/8"	Staggered	36%
.079	7/64"	Straight	45%
.083	1/8"	Staggered	37%
.083	5/32"	Staggered	26%
.093	9/64"	Staggered	40%
.093	5/32"	Staggered	33%
.093	11/64"	Staggered	26%
.093	3/16"	Staggered	23%
.093	3/16"	SL	20%
.093	17/64" (45°)	Staggered	11%
.093	1/4"	Staggered	13%

Perforations (inches)	Type Centers	Holes PSI	Open Area
.100	5/32"	Staggered	36%
.100	9/64"	SL	45%
.109	3/16"	Staggered	29%
.109	7/32"	Staggered	23%
.109	5/32"	Staggered	45%
.113	7/32"	Staggered	25%
.117	3/16"	Staggered	33%
.117	7/32"	Staggered	27%
.117	5/32"	Staggered	50%
.125	3/16"	Staggered	40%
.125	3/16"	SL	28%
.125	7/32"	Staggered	29%
.125	1/4"	Staggered	23%
.125	1/4"	SL	20%
.125	5/16"	SL	11%
.141	3/16"	Staggered	51%
.141	7/32"	Staggered	38%
.141	1/4"	Staggered	28%
.148	1/4"	Staggered	30%
.148	7/32"	Staggered	30%
.156	3/16"	Staggered	62%
.156	7/32"	Staggered	46%
.156	1/4"	Staggered	36%
.156	9/32"	Staggered	28%
.156	17/64"	SL	26%
.156	3/8"	Staggered	15%
.172	1/4"	Staggered	43%
.172	3/8"	Staggered	19%
.172	9/32"	Staggered	33%
.180	9/32"	Staggered	35%
.188	7/32"	Staggered	66%
.188	1/4"	Staggered	51%
.188	9/32"	Staggered	41%
.188	5/16"	Staggered	33%
.188	1/4"	SL	55%
.188	9/16"	SL	12%
.203	9/32"	Staggered	47%
.219	5/16"	Staggered	45%
.219	11/32"	Staggered	36%

# PERFORATED METAL

## TOOL LIST

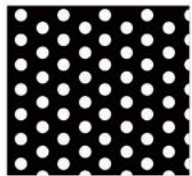
Perforations (inches)	Type Centers	Holes PSI	Open Area
.219	9/16"	Staggered	15%
.219	7/16"	SL	23%
.223	11/32"	Staggered	39%
.234	5/64"	Staggered	52%
.234	11/32"	Staggered	42%
.234	3/8"	Staggered	35%
.242	3/8"	Staggered	37%
.250	5/16"	Staggered	58%
.250	11/32"	Staggered	48%
.250	3/8"	Staggered	40%
.250	1/2"	Staggered	22%
.250	1/2"	SL	20%
.250	1"	SL	5%
.258	7/16"	Staggered	30%
.258	3/8"	Staggered	45%
.266	3/8"	Staggered	46%
.281	3/8"	Staggered	50%
.281	13/32"	Staggered	44%
.297	7/16"	Staggered	42%
.305	7/16"	Staggered	45%
.313	3/8"	Staggered	62%
.313	7/16"	Staggered	47%
.316	7/16"	Staggered	49%
.320	1/2"	Staggered	45%
.328	7/16"	Staggered	50%
.328	1/2"	Staggered	45%
.336	1/2"	Staggered	47%
.344	15/32"	Staggered	48%
.344	1/2"	Staggered	43%
.352	1/2"	Staggered	45%
.359	15/32"	Staggered	50%
.359	17/32"	Staggered	41%
.359	3/4"	Staggered	21%
.367	9/16"	Staggered	36%
.375	1/2"	Staggered	51%
.375	17/32"	Staggered	45%
.375	9/16"	Staggered	40%
.375	5/8"	Staggered	33%
.375	11/16"	Staggered	27%
.383	9/16"	Staggered	42%

Perforations (inches)	Type Centers	Holes PSI	Open Area
.391	9/16"	Staggered	45%
.406	9/16"	Staggered	47%
.406	5/8"	Staggered	42%
.422	13/16"	Staggered	25%
.422	5/8"	Staggered	27%
.430	5/8"	Staggered	30%
.438	9/16"	Staggered	54%
.438	5/8"	Staggered	45%
.438	3/4"	Staggered	30%
.445	5/8"	Staggered	47%
.453	11/16"	Staggered	47%
.469	5/8"	Staggered	47%
.469	3/4"	Staggered	38%
.484	11/16"	Staggered	42%
.500	11/16"	Staggered	47%
.500	3/4"	Staggered	40%
.500	7/8"	Staggered	30%
.500	1"	SL	20%
.531	3/4"	Staggered	45%
.531	3/16"	Staggered	40%
.547	3/4"	Staggered	42%
.547	3/4"	Staggered	45%
.563	3/4"	Staggered	51%
.578	3/4"	Staggered	55%
.594	13/16"	Staggered	48%
.625	13/16"	Staggered	53%
.625	7/8"	Staggered	47%
.641	7/8"	Staggered	50%
.656	7/8"	Staggered	50%
.688	15/16"	Staggered	50%
.750	1"	Staggered	51%
.750	15/16"	Staggered	55%
.750	1-1/8"	Staggered	40%
.781	1"	Staggered	53%
.813	1-1/16"	Staggered	50%
.875	1-1/8"	Staggered	54%
1.00	1-1/4"	Staggered	58%
1.00	1-3/8"	Staggered	48%

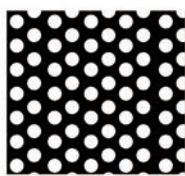


## ROUND HOLES

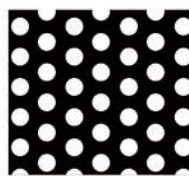
### A FEW OF OUR PERFORATIONS - (holes at actual size)



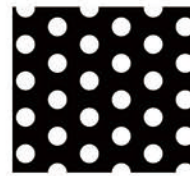
1/16" @ 1/8"  
STAGGERED  
Open area . . . 22.5%



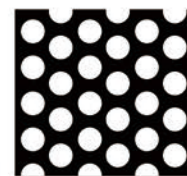
.078 @ 1/8"  
STAGGERED  
Open area . . . 36%



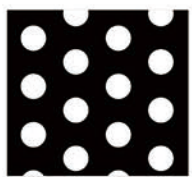
3/32" @ 5/32"  
STAGGERED  
Open area . . . 32%



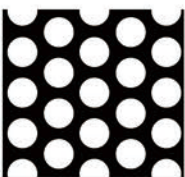
3/32" @ 3/16"  
STAGGERED  
Open area . . . 23%



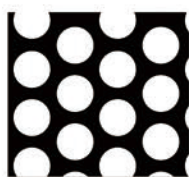
1/8" @ 3/16"  
STAGGERED  
Open area . . . 40%



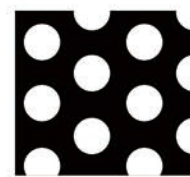
1/8" @ 1/4"  
STAGGERED  
Open area . . . 23%



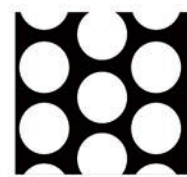
5/32" @ 7/32"  
STAGGERED  
Open area . . . 46%



3/16" @ 1/4"  
STAGGERED  
Open area . . . 51%



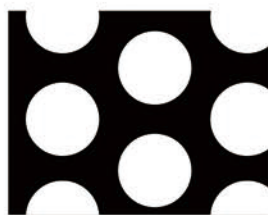
3/16" @ 5/16"  
STAGGERED  
Open area . . . 33%



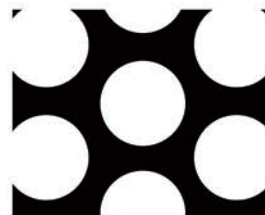
1/4" @ 5/16"  
STAGGERED  
Open area . . . 58%



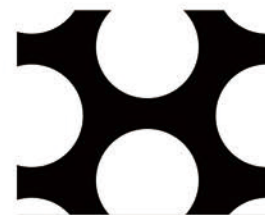
1/4" @ 3/8"  
STAGGERED  
Open area . . . 40%



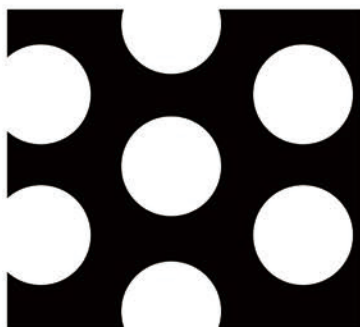
3/8" @ 9/16"  
STAGGERED  
Open area . . . 40%



7/16" @ 9/16"  
STAGGERED  
Open area . . . 51%



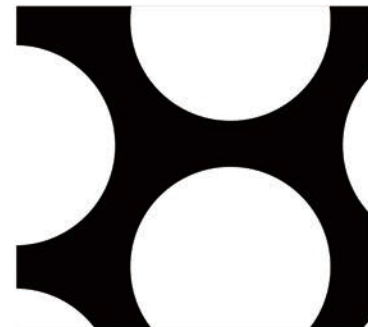
1/2" @ 11/16"  
STAGGERED  
Open area . . . 47%



1/2" @ 3/4"  
STAGGERED  
Open area . . . 40%



3/4" @ 1"  
STAGGERED  
Open area . . . 51%



1" @ 1-1/4"  
STAGGERED  
Open area . . . 58%

MANY ADDITIONAL PERFORATIONS AVAILABLE . . .

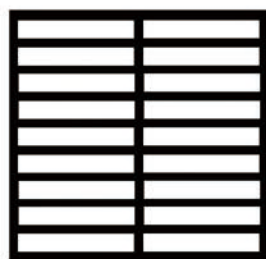
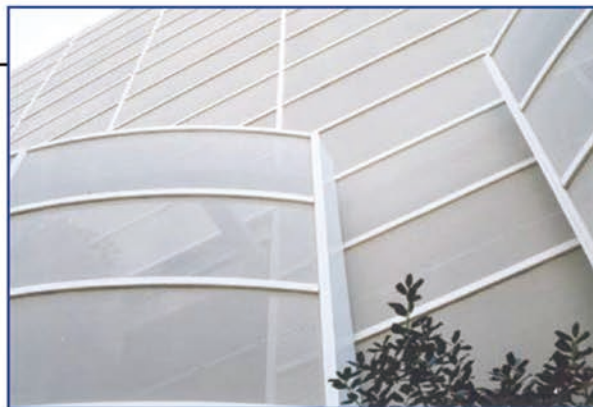
WE CAN PERFORATE MOST ANY METAL, PLASTIC OR RUBBER

# PERFORATED METAL

## DECORATIVE/ARCHITECTURAL

Decorative Perforation is ideal for many architectural applications that require an aesthetic appeal. You can choose from one of our many decorative styles.

### MANY OTHER PERFORATIONS AVAILABLE!

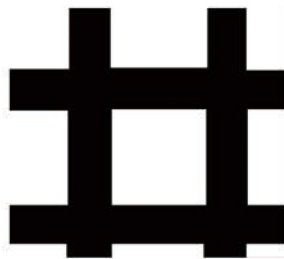


**AIRLINE**

1/4" x 1-1/2" slot

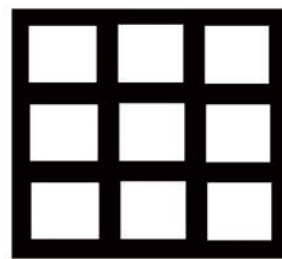


**3/4" SQUARE**



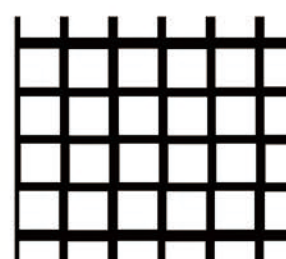
**LATTICE**

1/2" square x 11/16"  
straight center



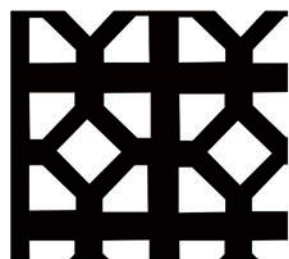
**3/8" SQUARES**

3/8" square x 1/2"  
straight center

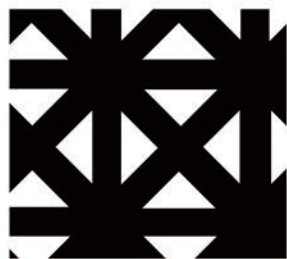


**HANOVER SQUARE**

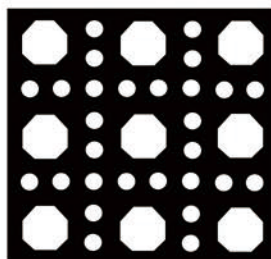
.022" square x .25"  
straight center



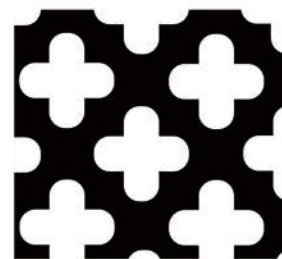
**WINDSOR**



**GRECIAN**

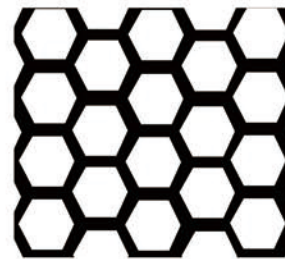


**OCTAGON CANE**



**FULL CLOVERLEAF**

1/2" full clover



**1/4" HONEYCOMB**

1/4" honeycomb x .281  
stagger center



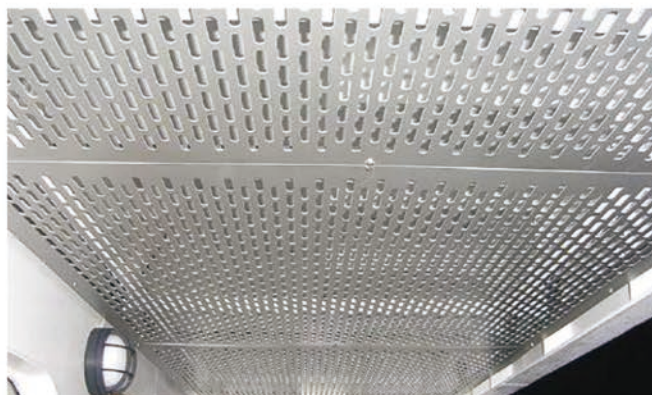
**HEXAGON**

1/2" hexagon x 9/16"  
stagger center



**MOIRE**

1/8" x 3/4" slot





# PERFORATED METAL

## COMMON APPLICATIONS OF ROUND PERFORATED METAL

- Vents
- Screens
- Guards
- Diffusers
- Strainers
- Decorative
- Grills
- Filters
- ...and many more

## FEATURES OF ROUND & SQUARE PERFORATED METAL

- Lightweight
- Customizable
- Extremely Versatile
- Economically Priced
- Large Open Area
- Decorative

Many more patterns, materials & gauges



Building Exterior



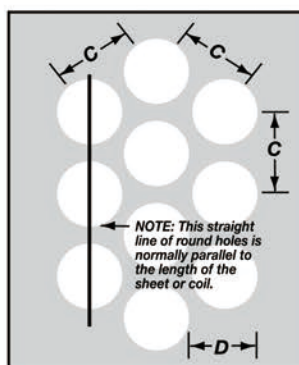
Sunshade Application

## Formulas for Determining Percentage of Open Areas

In each formula "D" = hole diameter and "C" = center spacing

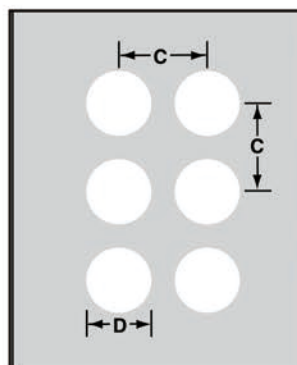
60° Staggered Centers  
Pattern (Standard)

$$\frac{\text{Dia}^2}{\text{Center}^2} \times 90.5 = \text{Percentage of Open Area}$$



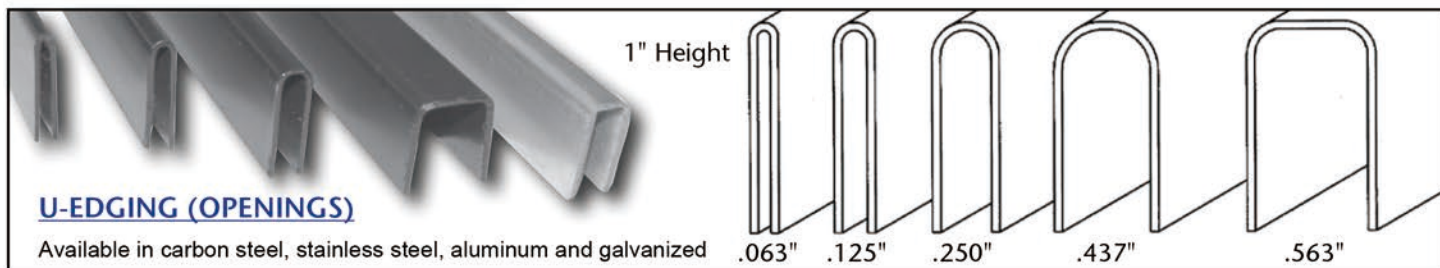
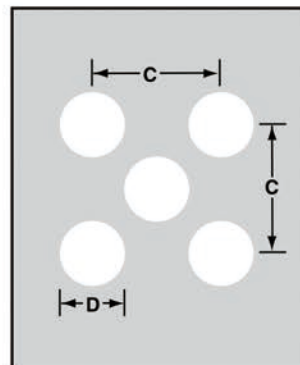
Straight Line Pattern

$$\frac{\text{Dia}^2}{\text{Center}^2} \times 78.54 = \text{Percentage of Open Area}$$



45° Staggered  
Centers Pattern

$$\frac{\text{Dia}^2}{\text{Center}^2} \times 157.08 = \text{Percentage of Open Area}$$



### U-EDGING (OPENINGS)

Available in carbon steel, stainless steel, aluminum and galvanized



## APPLICATIONS



Windows/Doors



Stairs



Airport Parking Deck



Shelf Display



Ceiling



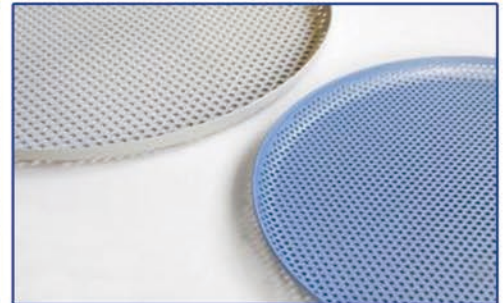
Fence



Filter



Lighting



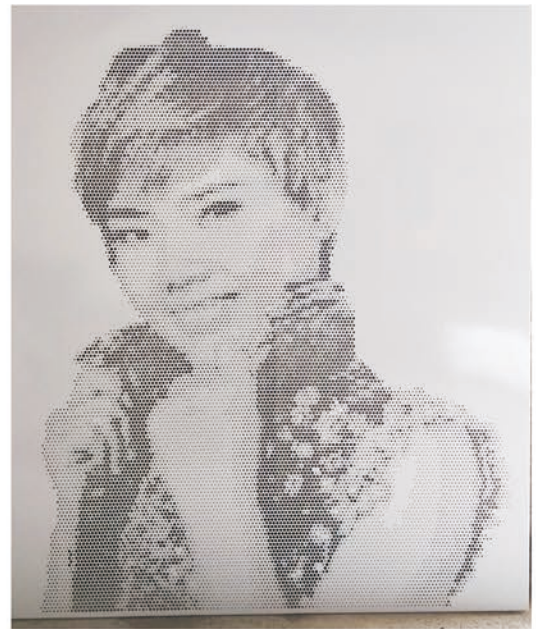
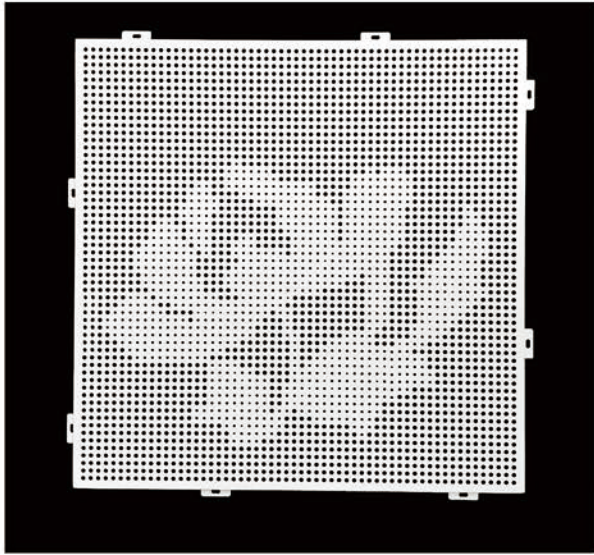
Pans Trays



# PICTURE-PERFORATED METAL

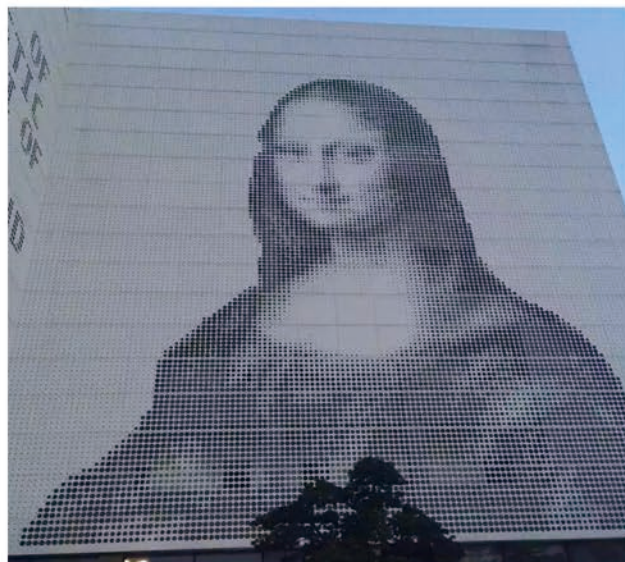
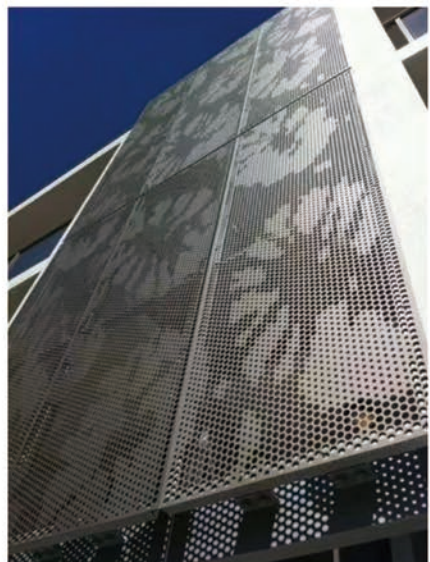
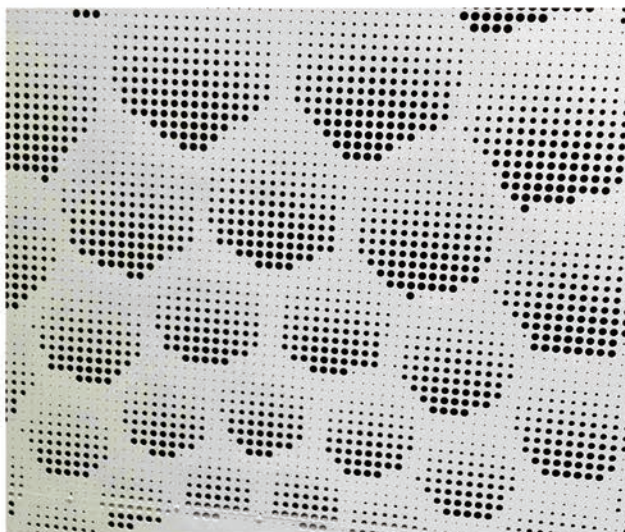
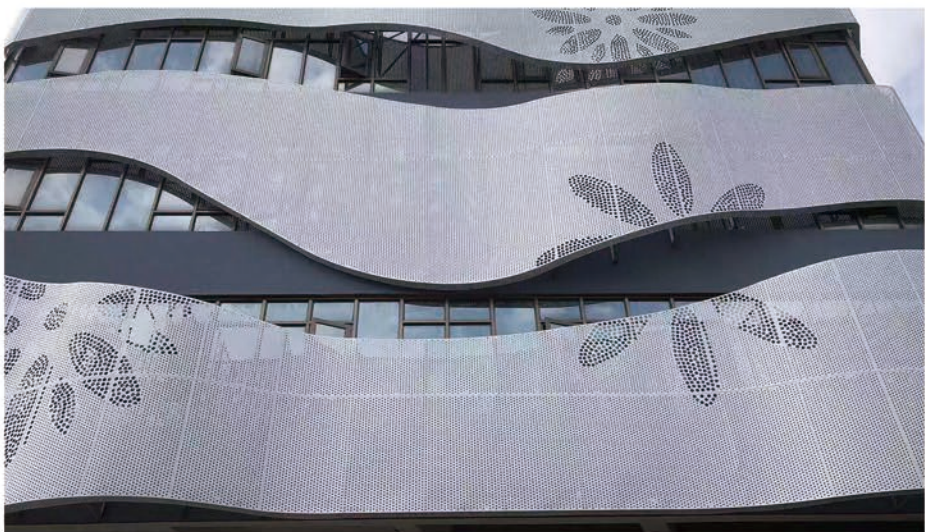
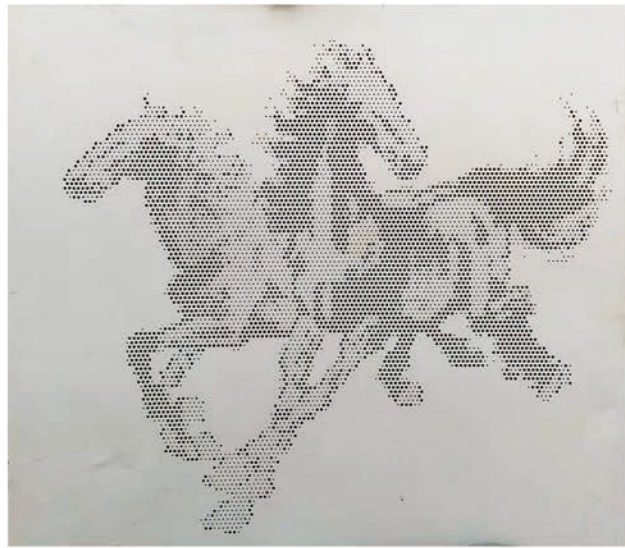
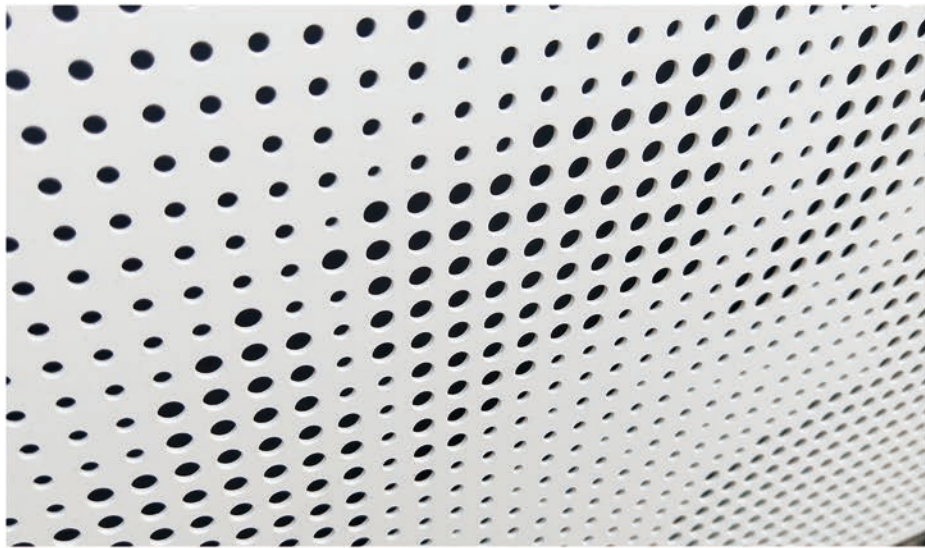
Didn't find the hole patterns you like?

If you don't see the holes you want listed above, We also have Picture-Perforated, anything you want can be perforated. Pls check details here.





# PICTURE-PERFORETED METAL







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