



# Perforated Metal

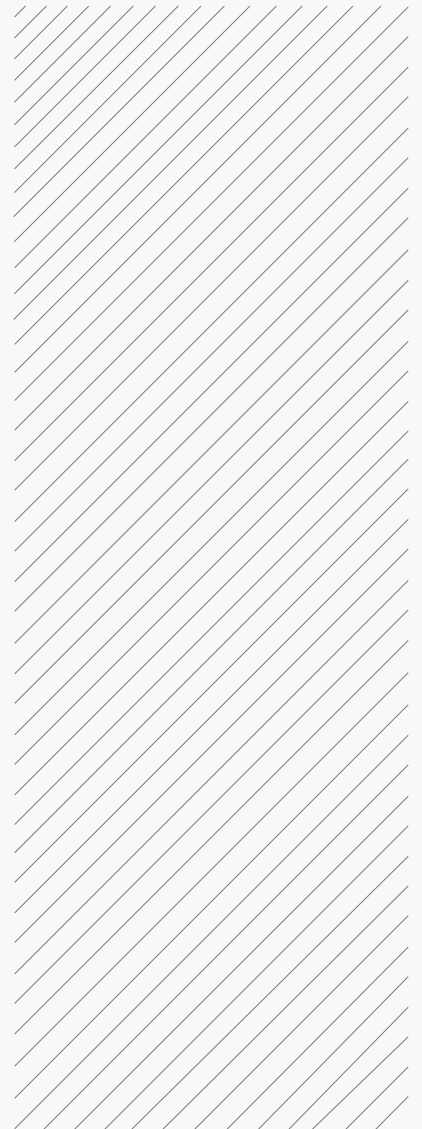
Weave Impossible to Possible



**BOEDON** Industech Limited

[www.boedon.com](http://www.boedon.com) | [sales@boedon.com](mailto:sales@boedon.com)

# BOEDON Brochure

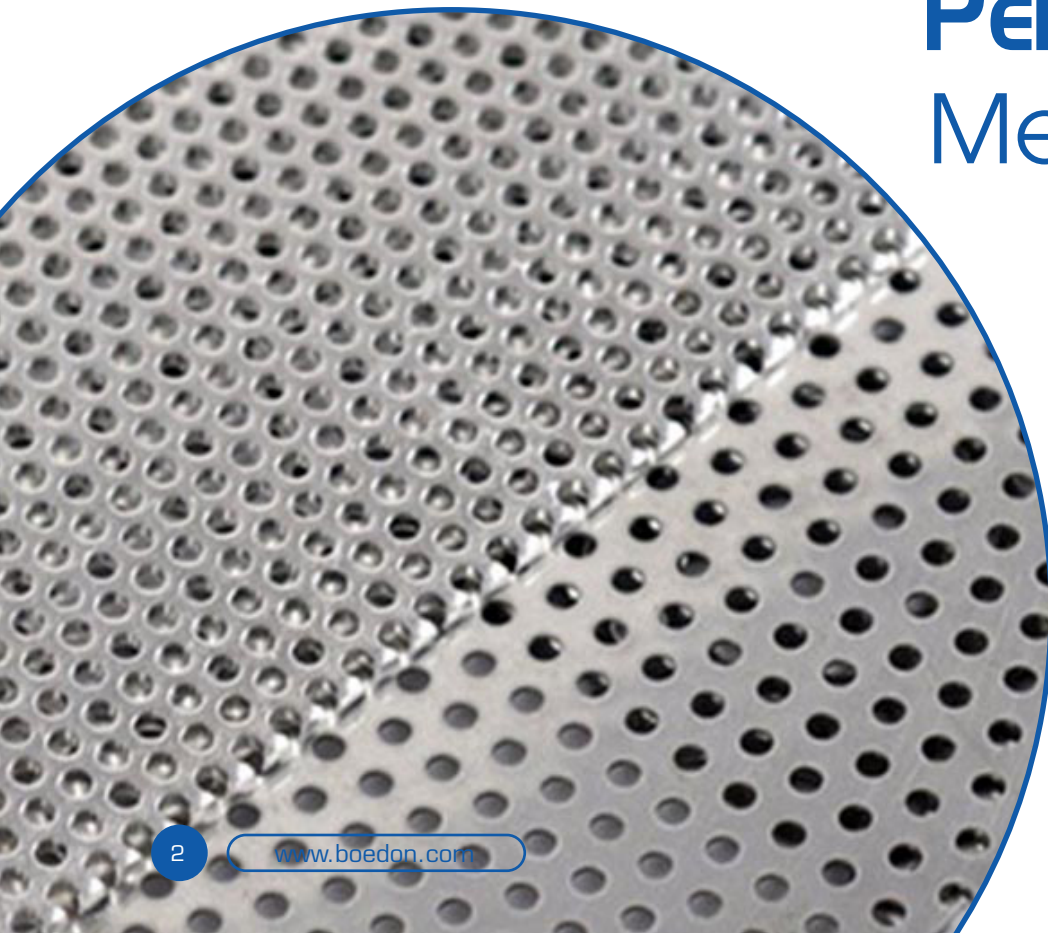


## Our **perforated metal** has precise, stable filter pores to ensure **stable filtration**.

Perforated metal is a perforated metal sheet obtained by punching a variety of hole patterns on the metal sheets. Of which, round and square hole patterns are widely used in filter elements. It can not only act as filter elements in filters, but also serve as the support layer of industrial filters for higher pressure resistance and longer lifespan.

Perforated metal can be made of stainless steel, mild steel, aluminum, nickel or other alloys. We can provide customized solutions according to your filtration requirements and working conditions.

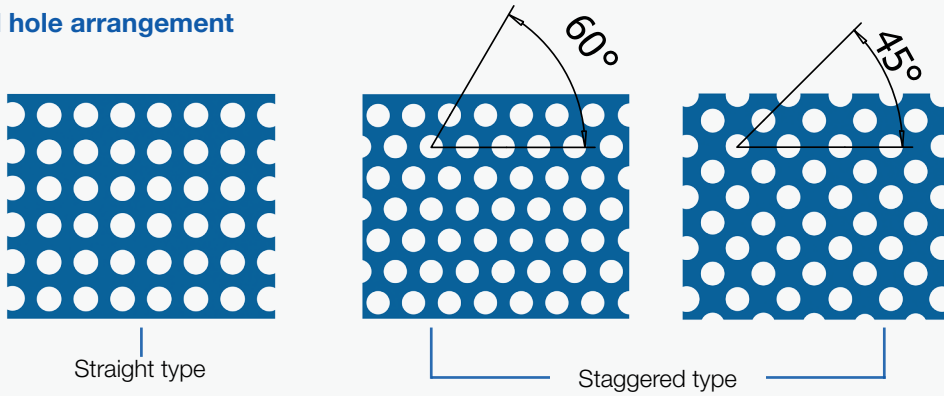
# Perforated Metal



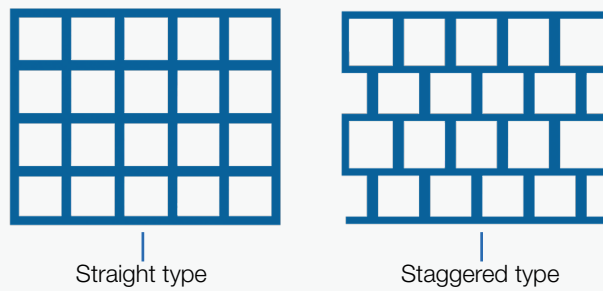
PERFORATED METAL

# Hole Arrangement

## ● Round hole arrangement

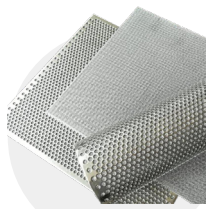


## ■ Square hole arrangement



PERFORATED METAL

# Perforated Metal Products



*Perforated metal  
sintered mesh*



*Temporary  
strainer*



*Slanted basket  
filter*



*Basket filter*



*Candle filter with  
perforated metal support*

PERFORATED METAL

# Specification

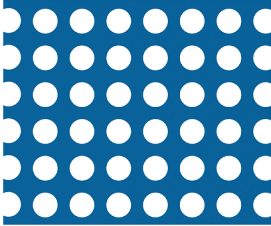
**Material:** stainless steel, low carbon steel, aluminum, nickel or other alloys, etc.

**Hole shape:** mainly round and square holes, or customized upon request.

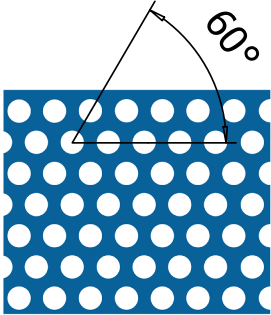
**Thickness:** 0.3 mm, 0.5 mm, 0.8 mm, 1.0 mm, 1.5 mm, 2 mm, etc.

**Hole pattern (for round holes):** straight line, 60° staggered and 45° staggered.

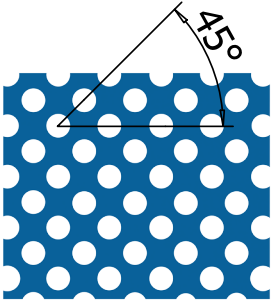
Specification of Round Hole Perforated Metal (Straight Line)

	Hole Size		Hole Center		Open Area
	inch	mm	inch	mm	%
	0.023"	0.58	0.042"	1.07	22
0.027"	0.69	0.05"	1.27	23	
0.033"	0.84	0.055"	1.4	28	
0.045"	1.14	0.066"	1.68	36	
0.05"	1.27	0.083"	2.11	29	
3/16"	4.76	1/2"	12.7	10	
1/4"	6.35	3/8"	9.53	34	
1/4"	6.35	1/2"	12.7	20	

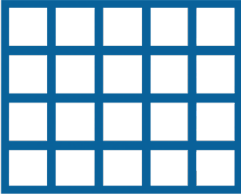
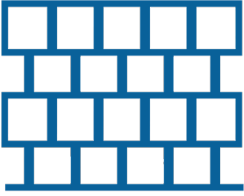
Specification of Round Hole Perforated Metal (60° Staggered)

	Hole Size		Hole Center		Open Area
	inch	mm	inch	mm	%
	3/64"	1.19	3/32"	2.38	23
1/16"	1.59	3/32"	2.38	41	
1/16"	1.59	7/64"	2.78	27	
1/16"	1.59	1/8"	3.17	23	
5/64"	1.98	1/8"	3.17	36	
3/32"	2.38	5/32"	3.97	33	
3/32"	2.38	3/16"	4.76	23	
1/8"	3.17	3/16"	4.76	40	
1/8"	3.17	7/32"	5.56	30	
1/8"	3.17	1/4"	6.28	23	
9/64"	3.57	3/16"	4.76	51	
5/32"	3.97	3/16"	4.76	63	
5/32"	3.97	1/4"	6.28	34	
3/16"	4.76	7/32"	5.56	67	
3/16"	4.76	1/4"	6.28	50	
3/16"	4.76	5/16"	7.94	32	
3/16"	4.76	3/8"	9.83	23	

Specification of Round Hole Perforated Metal (45° Staggered)

	Hole Size		Hole Center		Open Area
	inch	mm	inch	mm	%
	0.02"	0.51	0.043"	1.09	20
	1/32"	0.79	1/6"	4.23	23
	0.045"	1.14	5/64"	1.98	32

Specification of Square Hole Perforated Metal ( Straight Line and Staggered)

 <p>Straight type</p>	Hole Size		Hole Center		Open Area
	inch	mm	inch	mm	%
 <p>Staggered type</p>	3/64"	1.19	3/32"	2.38	23
	1/16"	1.59	3/32"	2.38	41
	1/16"	1.59	7/64"	2.78	27
	1/16"	1.59	1/8"	3.17	23
	5/64"	1.98	1/8"	3.17	36
	3/32"	2.38	5/32"	3.97	33
	3/32"	2.38	3/16"	4.76	23
	1/8"	3.17	3/16"	4.76	40
	1/8"	3.17	7/32"	5.56	30
	1/8"	3.17	1/4"	6.28	23
	9/64"	3.57	3/16"	4.76	51
	5/64"	1.98	1/8"	3.17	36
	3/32"	2.38	5/32"	3.97	33
	3/32"	2.38	3/16"	4.76	23
	1/8"	3.17	3/16"	4.76	40
	1/8"	3.17	7/32"	5.56	30
	1/8"	3.17	1/4"	6.28	23
	9/64"	3.57	3/16"	4.76	51
	5/32"	3.97	3/16"	4.76	63
	5/32"	3.97	1/4"	6.28	34
3/16"	4.76	7/32"	5.56	67	
3/16"	4.76	1/4"	6.28	50	
3/16"	4.76	5/16"	7.94	32	
3/16"	4.76	3/8"	9.83	23	

PERFORATED METAL

# Features & Application

## Features

- Uniform filtration holes, stable filtration
- Rigid structure, strong support
- Corrosion resistance, acid and alkali resistance
- Stable filtration holes and great resistance to deformation
- Outstanding wear resistance
- Easy to cut and fabricate

## Application



### Pipeline Filter

- T strainer basket filter production
- Y strainer filter production
- Temporary strainer production



### Automatic Self Cleaning Filter

- Sintered mesh self cleaning filter support layer



### Chemical Filtration

- Sintered mesh candle filter production



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