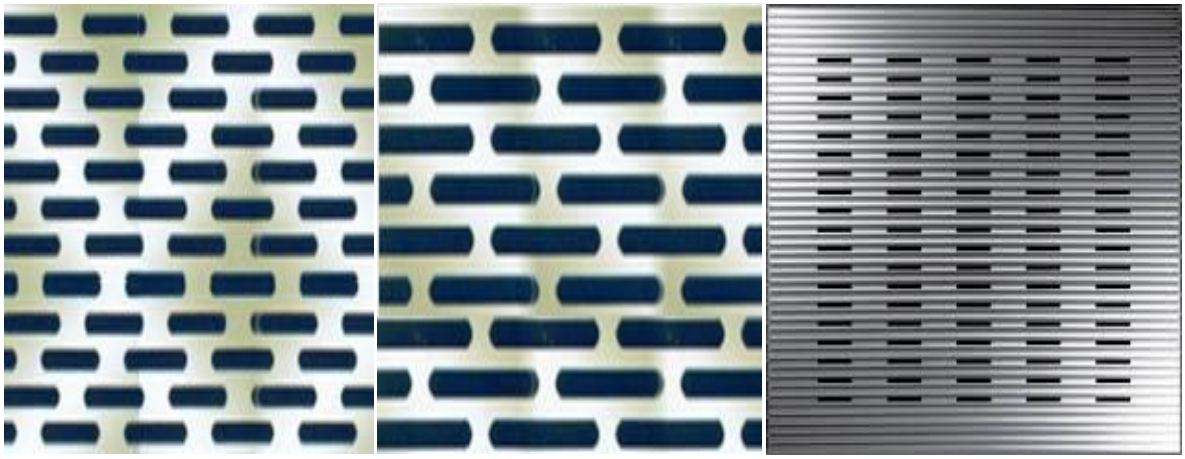
Slotted Perforated Metal

Heanjia is a complete service manufacturer of perforated metal sheet products for the diverse applications.

Slotted perforated is a sheet or coil that is made from the metallic material containing holes. The hole shape is determined by die shape. For perforated sheet in slot hole design, the slot shape like die is used that can have different width, length and its ends are round or square.

Slotted Perforated Metal is produced by using the various materials- Nickel, Titanium, Aluminum, Copper, Monel, Inconel, Incoloy, Hastelloy, Nichrome, Kanthal, FeCrAl etc.

The perforated process involves the creation of perforations that include puncturing the material which is a thin metal sheet by using a die.



Slotted Perforated metal introduces a wide selection of sizes, gauges and materials, employed in the broad range of applications such as screens, guards, dividers, panels and enclosures and partitions.

Perforated sheets with slotted holes are ideal solution wherever filtering or separation of liquids and solids is essential. They are widely used in wine and food industries. In few special applications, the parallesim of holes with sheet sides may make a specific option obligatory. Remember that pattern of holes is not just a matter of look. The slotted holes are elongated with round or square ends. They are made in stock in a side staggered or straight line pattern in a plain sheet.

The commonly used materials for the production of sheet metals are stainless steel 304, 316, aluminium, titanium and other suitable material for perforation.

Slotted Perforated Metal Applications

1. Filters
2. Guards
3. Lighting Fixtures
4. Acoustic panels

5. Shelves
6. Food processing
7. Vents
8. Decorative

Slotted Perforated Metal Stock

IPA	Perforations	Centers	Holes per sq. In	Open area	Yield strength in Width direction (S*/S)	Yield strength in Length direction (S*/S)
100	.020 inch	-	-	20 %	.530	.465
106	1/16 inch	1/8 inch	-	23 %	.500	.435
107	5/64 inch	7/64 inch	-	46 %	.286	.225
108	5/64 inch	1/8 inch	-	36 %	.375	.310
109	3/32 inch	5/32 inch	-	32 %	.400	.334
110	3/32 inch	3/16 inch	-	23 %	.500	.435
112	1/10 inch	5/32 inch	-	36 %	.360	.296
113	1/8 inch	3/16 inch	-	40 %	.333	.270
114	1/8 inch	7/32 inch	-	29 %	.428	.363
115	1/8 inch	¼ inch	-	23 %	.500	.435
116	5/32 inch	7/32 inch	-	46 %	.288	.225
117	5/32 inch	¼ inch	-	36 %	.375	.310
118	3/16 inch	¼ inch	-	51 %	.250	.192
119	3/16 inch	5/16 inch	-	33 %	.400	.334
120	¼ inch	5/16 inch	-	58 %	.200	.147
121	¼ inch	3/8 inch	-	40 %	.333	.270
122	¼ inch	7/16 inch	-	30 %	.428	.252
123	¼ inch	½ inch	-	23 %	.500	.435
124	3/8 inch	½ inch	-	51 %	.250	.192
125	3/8 inch	9/16 inch	-	40 %	.333	.270
126	3/8 inch	5/8 inch	-	33 %	.400	.334
127	7/16 inch	5/8 inch	-	45 %	.300	.239
128	½ inch	11/16 inch	-	47 %	.273	.214
129	9/16 inch	¾ inch	-	51 %	.250	.192
130	5/8 inch	13/16 inch	-	53 %	.231	.175
131	¾ inch	1 inch	-	51 %	.250	.192

Yield strength of perforated metal/yield strength of unperforated metal = S*/S

Size

IPA count	Perforation	Bars	Holes per sq. In	Open area	Line
207	¼ x ¾ inch	1/8 in	-	41 %	Side staggered
208	1/8 x 1 inch	1/8 in	-	43 %	Side staggered