

Titanium Perforated Metal

Titanium perforated metal introduces an excellent combination of good strength and nominal weight for which it is widely used in aircraft and sporting apparatus. Its good corrosion resistance offered in several conditions is based on its ability to produce an adherent oxide security layer.

Perforated titanium sheet is permeable and transparent that is why it is used in several sectors, it can be used to solve the issues of filtering, washing, drying and is hence extensively used by chemical, food, mining and car industries, sugar refineries, cement factories, manufacturing sites and distilleries.

Titanium perforated Metal Sheet Plate Manufacturing

Titanium perforated metal sheets are the commonly used materials that are made in the broad range of hole diameters varying from small to large specifications. The hole design is of utmost importance. The commonly used hole patterns are round and others are square, rectangular, diamond, slotted, embossed and more are made upon request.

In the round hole pattern, design is 60o angle pattern that offers high durability and an accurate proportion between the open and overall areas. We also produce 90o pattern angles.

Another essential factor is pitch that is the least distance among the centers of two successive holes. When you are placing order for Titanium perforated Metal, please include the following in your order:

Count of sheets, specification, thickness, hole diameter, edges and pitch.

Sheet metal thickness ranges in the 0.4 – 20 mm. For technical reasons, hole is kept bigger than thickness however if essential, we can also make holes smaller than thickness.

Standard Holes shapes are round, square, oblong, deep-drawn or diamond shaped. In the warehouse we have regularly available perforated sheets.

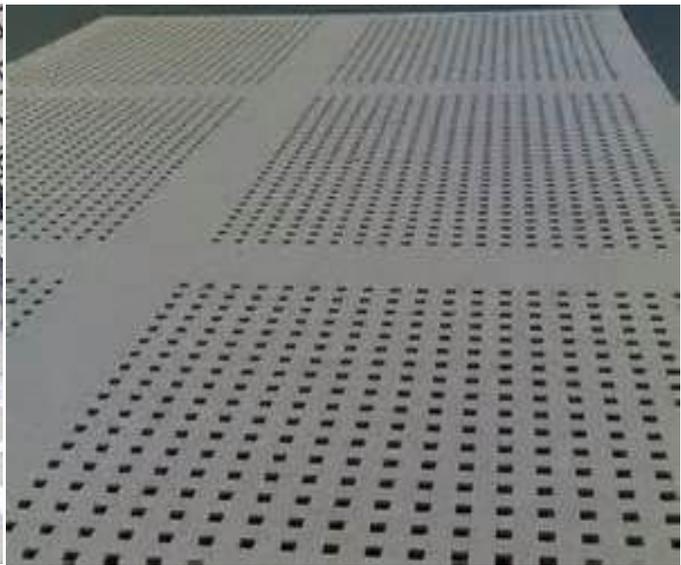
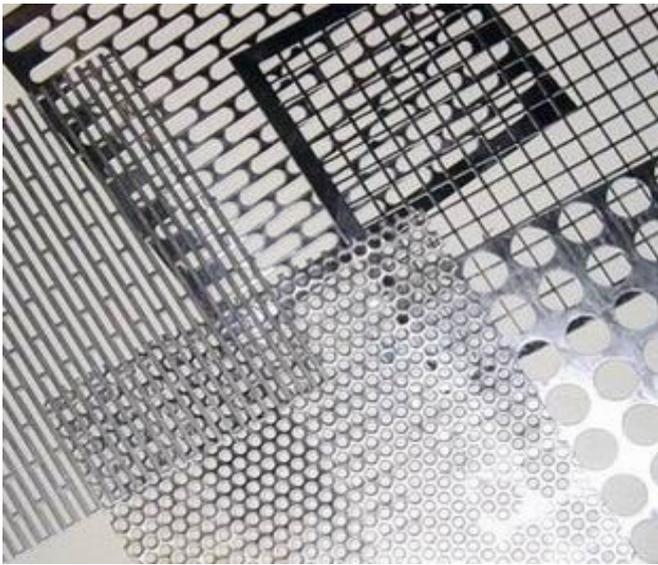
For technical reasons related to the manufacturing, separation between punches are double or triple the perforation pitch. Resulting in processing, the perforation drawing is completed solely from the second or sometimes even third stroke. The same is valid for the end of the perforated area.

Generally, the standard metal sheets with a maximum thickness of 2 mm have nominal solid edges on longer sides. On the other hand for thickness above 3 mm, the solid edges are also on the shorter sides. . We can deliver the titanium perforated sheets with variable edges. We offer to order the specific edges on the metal sheet upon request.

Following is the standard size produced in Titanium perforated metal. We also welcome the individual size requirements in the titanium perforated products for your applications.

Hole diameter, mm	Distance from center of holes	Side distance	Count of holes dm2	Empty area
0.5 mm	2 mm	2	2500	4.8 %
	3 mm	3	1111	2.1 %
0.8 mm	3 mm	3	1111	5.5 %
	4 mm	4	625	3.1 %
1 mm	3 mm	3	1111	8.6 %
	4 mm	4	625	4.8 %
	5 mm	5	400	3.1 %
	10 mm	10	100	7.8 %
1.5 mm	3 mm	3	1111	7 %
	5 mm	5	400	19 %
	4 mm	4	625	19.5 %

	5 mm	5	400	12.5 %
2 mm	4 mm	4	625	7 %
	5 mm	5	400	19.5 %
	10 mm	10	1000	12.5 %
	15 mm	15	445	3.1 %
2.5 mm	5 mm	5	400	1.4 %
	10 mm	10	100	19.5 %
	15 mm	15	44.5	4.8 %
3 mm	6 mm	6	167	2.1 %
	8 mm	8	156	19.5 %
	10 mm	10	100	7.11 %
	12 mm	12	70	4.8 %
	15 mm	15	44.5	3.1 %
	20 mm	20	25	1.8 %
4 mm	8 mm	8	156	19.5 %
	10 mm	10	100	12.5 %
	12 mm	12	70	8.6 %
	15 mm	15	44.5	5.5 %
	20 mm	20	25	3.1 %
	25 mm	25	16	2 %



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