

Hastelloy Perforated Mesh Metal Sheet Plate

Heanjia Super-Metals manufacture a comprehensive range of Hastelloy metal mesh in the selection of hole sizes, patterns, pitches and sheet thickness. This mesh is demanded in the automotive, aerospace, FGD, nuclear plants and chemical industries for their high temperature tolerance and corrosion resistance properties.

Hastelloy is a wrought corrosion resistant super alloy that doesn't need solution heat processing subsequent to welding. It prevents the development of grain boundary precipitates that otherwise may decrease the corrosion resistance strength of alloy.

Hastelloy Perforated metal mesh factors

Material- choose the Hastelloy sheet grade that you need to be perforated. We offer Hastelloy sheets in grades-B2, B3, C4, C22, C276, C2000 and X.

Hole pattern- The available hole patterns are round, rectangular, square, straight line and staggered holes.

Uses- Screens, sifting, filters, drying, cooling, catalyst support screens, heating mesh and others.

Customizable –The hole shape, size and perforated sheet pattern can be made as per customer's requirements.

Applications of Hastelloy Alloys

Heanjia takes pleasure in prolong background and connections with its customers by becoming a leading manufacturer of Hastelloy alloys. These are high performance nickel-cobalt based alloys that are significant for elevated temperature and corrosion resistance applications.

Hastelloy alloys are largely demanded for the production of heat exchangers, columns, condensers, reactors etc.

Hastelloy grades are crucial for the chemical units. As they offer reliable service in the geothermal, solar energy, oil and gas and medical industries, their demand is increasing at the vast rate.

Hastelloy B grades are resistant to reducing media including HCl and H₂SO₄ acids. They offer good thermal stability and enhanced fabrication properties. They handle the reducing acids more firmly than Hastelloy C grades.

Hastelloy C-276 for heat exchangers

The versatile Hastelloy C grades offer extensive resistance to oxidizing and reducing conditions and show a real functionality break-through for the chemical processing units.

Alloy C22 is specifically resistant to pitting and crevice attack. Hastelloy G30 offers successful service in phosphoric acid heat exchangers and other process components in the fertilizer industry.

Heanjia Super-Metals Corporation has extensive capacity and capability for perforated metals in China. With extensive tooling and wide experience in the production of perforated sheets of Hastelloy Metals, we serve the customers as per their requirements.

Hastelloy Perforated Metal Sheet Specification

Round hole staggered pattern			
Hole	Centers	Plate thickness, gauge	Open area
.020 in	.045 in	26	18 %
1/32 in	1/16 in	22	23 %
3/64 in	5/64 in	24	33 %
3/64 in	3/32 in	22 through 18	23 %
1/16 in	3/32 in	22 through 16	40 %
1/16 in	7/64 in	20 through 16	30 %
1/16 in	1/8 in	26 through 16	23 %
5/64 in	1/8 in	22 through 14	35 %
3/32 in	5/32 in	24 through 14	33 %
3/32 in	3/16 in	18	51 %
.117 in	3/16 in	24 through 14	40 %
1/8 in	7/32 in	14 through 12	30 %
1/8 in	¼ in	14, 13	30 %
9/64 in	3/16 in	18	23 %
5/32 in	3/16 in	22 through 16	51 %
5/32 in	¼ in	20 through 10	35 %
3/16 in	7/32 in	22 through 16	67 %
3/16 in	¼ in	24 through 12	51 %
3/16 in	5/16 in	10, 3/16 inch	33 %
3/16 in	3/8 in	14 through 10	23 %
¼ in	5/16 in	20 through 16	58 %
¼ in	3/8 in	26 through 1/4	40 %
17/6 in 4	5/16 in	20	66 %
5/16 in	7/16 in	20 through ¼ in	46 %
3/8 in	9/16 in	20 through 1/4 in	40 %
½ in	11/16 in	20 through 1/4 in	48 %
½ in	¾ in	16	40 %
5/8 in	7/8 in	10 through ¼ in	46 %
¾ in	1 in	16 through 1/4 in	51 %
1 in	1-3/8 in	10 through 1/4 in	48 %
1-1/4 in	1-5/8 in	¼ in	54 %
1-1/2 in	2 in	¼ in	51 %
2 in	2-1/2 in	¼ in	58 %
2-1/2 in	3 in	3/16 in	63 %
3 in	3-1/2 in	3/16 in	67 %
4 in	4-1/2 in	10	72 %
5/64 in	1/8 in	18	35 %
3/32 in	5/32 in	22 through 18	33 %
3/32 in	3/16 in	20	23 %
7/64 in	3/16 in	16	31 %
1/8 in	3/16 in	20 through 16 in	40 %
3/16 in	7/32 in	18	67 %
3/16 in	¼ in	20 through 16 in	51 %
3/16 in	3/8 in	20	23 %
¼ in	5/16 in	20	58 %
5/16 in	7/16 in	16	46 %
3/8 in	½ in	16	51 %
.020 in	.045 in	30	18 %
1/32 in	1/16 in	26	23 %
3/64 in	3/32 in	24	23 %
.050 in	5/64 in	26, 24	37 %
1/16 in	3/32 in	22, 20	40 %

1/16 in	7/64 in	26, 22	30 %
1/16 in	1/8 in	26 through 18	23 %
5/64 in	1/8 in	22, 20	35 %
3/32 in	5/32 in	22 through 14	33 %
.117 in	5/32 in	22	51 %
1/8 in	3/16 in	26 through 11	40 %
1/8 in	7/32 in	14, 11	30 %
9/64 in	3/16 in	18	51 %
5/32 in	3/16 in	20 through 16	63 %
3/16 in	¼ in	24 through 14	51 %
3/16 in	5/16 in	11	33 %
¼ in	5/16 in	22 through 16	58 %
¼ in	3/8 in	20 through 3/16	40 %
5/16 in	7/16 in	16	46 %
3/8 in	9/16 in	16, 11	40 %
½ in	11/16 in	20 through 3/16	48 %
¾ in	1 in	16, 11	51 %
3/32 in	5/32 in	14	33 %
1/8 in	3/16 in	16	40 %
5/32 in	3/16 in	16	63 %
3/16 in	¼ in	22 through 16	51 %
3/64 in	5/64 in	20	33 %
.050 in	5/64 in	20, 18	37 %
1/16 in	1/8 in	22 through 14	23 %
5/64 in	1/8 in	16, 14	35 %
3/32 in	5/32 in	22 through 14	33 %
1/8 in	3/16 in	24 through .125	40 %
1/8 in	21/64 in	.090	13 %
5/32 in	3/16 in	20 through 14	63 %
3/16 in	7/32 in	16	67 %
3/16 in	¼ in	20 through 14	51 %
3/16 in	3/8 in	16	23 %
¼ in	5/16 in	20 through .125	58 %
¼ in	3/8 in	18, 14	40 %
¼ in	½ in	16, 20	23 %
3/8 in	9/16 in	20 through .125	40 %
½ in	11/16 in	16	48 %
3/4 in	1 in	14	51 %
1/16 in	1/8 in	20, 16	23 %
1/16 in	7/64 in	16	30 %
3/32 in	3/16 in	.080	23 %
1/8 in	3/16 in	16	40 %
1/8 in	21/64 in	14	13 %
3/16 in	¼ in	14	51 %
1/8 in	3/16 in	20 through 14 in	40 %
1/4 in	3/8 in	14	40 %
3/32 in	1/4 in	16 through .125	13 %
5/32 in	3/8 in	.090	16 %
.020 in	.045 in	26	18 %
.033 in	.079 in	26	16 %
3/32 in	5/32 in	22, 20	33 %
Round hole straight line			
.027 in	.050 in	26	23 %
.050 in	.066 in	24	45 %
¼ in	3/8 in	16	35 %
¼ in	½ in	18, 16	20 %
1/4 in	1 in	3/16	5 %
.037 in	.055 in	26	36 %
.033 in	.055 in	26	28 %
.045 in	.066 in	24	37 %

.050 in	.066 in	26	45 %
1/16 in	7/16 in	26	2 %
3/16 in	3/8 in	18	20 %
.033 in	.055 in	20	28 %
.040 in	.066 in	20	29 %
.050 in	.066 in	20, 18	45 %
1/2 in	5/8 in	14	50 %
.045 in	.066 in	24	37 %
.050 in	.083 in	24	29 %
.200 in	1/4 in	22, 20	64 %
¼ in	5/16 in	20	64 %
3/8 in	½ in	22, 16	56 %
½ in	5/8 in	16	64 %
½ in	11/16 in	18	53 %
3/4 in	1 in in	16	56 %
.200 in	1/4 in	22	64 %
.200 in	¼ in	20	64 %

Square Holes Square Pitch

Holes	Pitch	Material thickness	Sheet size, mm	Open area
C10	U12	1.5 mm	1250 mm x 2500 mm	69.4 %
C10	U14	1.5 mm	1000 mm x 2000 mm	51 %
C10	U14	2 mm	1000 mm x 2000 mm	51 %
C10	U14	1.5 mm	1250 mm x 2500 mm	51 %
C10	U14	2 mm	1000 mm x 2000 mm	51 %
C10	U14	1 mm	1000 mm x 2000 mm	44.4 %
C10	U15	1.5 mm	1000 mm x 2000 mm	44.4 %
C10	U15	2 mm	1000 mm x 2000 mm	44.4 %
C10	U15	3 mm	1000 mm x 2000 mm	44.4 %
C10	U15	1.5 mm	1250 mm x 2500 mm	44.4 %
C10	U15	2 mm	1250 mm x 2500 mm	44.4 %
C10	U15	3 mm	1250 mm x 2500 mm	44.4 %
C10	U15	1.5 mm	1500 mm x 3000 mm	44.4 %
C10	U15	2 mm	1500 mm x 3000 mm	44.4 %
C10	U30	2 mm	1000 mm x 2000 mm	11.1 %
C10	U30	2 mm	1250 mm x 2500 mm	11.1 %
C10	U30	2 mm	1500 mm x 3000 mm	11.1 %
C15	U40	2 mm	1000 mm x 2000 mm	14.1 %
C15	U40	2 mm	1250 mm x 2500 mm	14.1 %
C15	U40	2 mm	1500 mm x 3000 mm	14.1 %
C15	U60	2 mm	1000 mm X 2000 mm	6.3 %
C15	U60	2 mm	1250 mm X 2500 mm	6.3 %
C15	U60	2 mm	1500 mm X 3000 mm	6.3 %
C20	U50	2 mm	1000 mm X 2000 mm	16 %
C20	U50	2 mm	1250 mm X 2500 mm	16 %
C20	U50	2 mm	1500 mm X 3000 mm	16 %
C25	U30	2 mm	1250 mm X 2500 mm	69.4 %
C25	U70	2 mm	1000 mm X 2000 mm	12.8 %
C25	U70	2 mm	1250 mm X 2500 mm	12.8 %
C4	U7	1.5 mm	1000 mm X 2000 mm	32.7 %
C5	U16	2 mm	1000 mm X 2000 mm	9.8 %
C5	U16	2 mm	1250 mm X 2500 mm	9.8 %
C5	U16	2 mm	1500 mm X 3000 mm	9.8 %
C5	U8	1 mm	1000 mm X 2000 mm	39.1 %
C5	U8	1.5 mm	1000 mm X 2000 mm	39.1 %
C5	U8	2 mm	1250 mm X 2500 mm	39.1 %
C5	U8	1 mm	1250 mm X 2500 mm	39.1 %
C6	U9	1.5 mm	1250 mm X 2500 mm	39.1 %

Holes	Pitch	Material thickness	Sheet size, mm	Open area
C6	U9	2 mm	1000 mm X 2000 mm	44.4 %
C7	U10	1 mm	1000 mm X 2000 mm	49 %
C8	U12	1.5 mm	1000 mm X 2000 mm	44.4 %
C8	U12	2 mm	1000 mm X 2000 mm	44.4 %
C8	U12	2 mm	1000 mm X 2000 mm	44.4 %
C8	U24	2 mm	1250 mm X 2500 mm	44.4 %
C8	U24	1 mm	1500 mm X 3000 mm	11.1 %
C10	U12	1.5 mm	1250 mm X 2500 mm	11.1 %
C10	U12	1 mm	1000 mm X 2000 mm	69.4 %
C10	U12	1.5 mm	1000 mm X 2000 mm	69.4 %
C10	U12	1 mm	1250 mm X 2500 mm	69.4 %
C10	U12	1.5 mm	1250 mm X 2500 mm	69.4 %
C10	U12	1.5 mm	1500 mm X 3000 mm	69.4 %
C10	U14	1 mm	1000 mm X 2000 mm	69.4 %
C10	U14	1.5 mm	1000 mm X 2000 mm	51 %
C10	U14	2 mm	1000 mm X 2000 mm	51 %
C10	U14	1 mm	1250 mm X 2500 mm	51 %
C10	U14	1.5 mm	1250 mm X 2500 mm	51 %
C10	U15	1 mm	1000 mm X 2000 mm	44.4 %
C10	U15	1.5 mm	1000 mm X 2000 mm	44.4 %
C10	U15	2 mm	1000 mm X 2000 mm	44.4 %
Square Hole Staggered Pitch				
C10	T30	2 mm	1000 mm x 2000 mm	10 %
C10	T30	1.5 mm	1000 mm x 2000 mm	10 %
Slotted hole staggered pitch				
LR 3 x 20	9 x 24	2 mm	1000 mm x 2000 mm	40.3 %
LR 5 x 20	19 x 60	2 mm	1000 mm x 2000 mm	43.8 %
LR 10 x 50	9 x 24	2 mm	1000 mm x 2000 mm	42 %
LR 5 x 20	9 x 24	1.5 mm	1000 mm x 2000 mm	43.8 %
LR 2 x 20	5 x 24	2 mm	1000 mm x 2000 mm	32.6 %
LR 3 x 20	7 x 24	1.5 mm	1000 mm x 2000 mm	40.3 %
LR 5 x 20	9 x 24	1 mm	1000 mm x 2000 mm	43.8 %
LR 5 x 20	9 x 24	1.5 mm	1000 mm x 2000 mm	43.8 %
LR 5 x 20	9 x 24	2 mm	1000 mm x 2000 mm	43.8 %
LR 1 x 20	3.25 x 24	1 mm	1000 mm x 2000 mm	24.5 %
LR 1.5 x 20	3.75 x 24	1 mm	1000 mm x 2000 mm	31.8 %
LR 4 x 20	8 x 20	1.5 mm	1000 mm x 2000 mm	39.9 %
LR 10 x 50	19 x 60	1.5 mm	1000 mm x 2000 mm	42 %
Square holes diagonal pitch				
C10	M30	2 mm	1000 mm x 2000 mm	11.1 %
C10	M15	2 mm	1000 mm x 2000 mm	44.4 %
C20	M50	2 mm	1000 mm x 2000 mm	16 %
C10	M30	1.5 mm	1000 mm x 2000 mm	11.1 %
C20	M50	1.5 mm	1000 mm x 2000 mm	16 %
C10	M15	1.5 mm	1000 mm x 2000 mm	44.4 %
Rectangular hole square pitch				
LCU 5 x 20	12 x 30	1.5 mm	1000 mm x 2000 mm	27.8 %
LCU 5 x 50	25 x 60	1.5 mm	1000 mm x 2000 mm	16.7 %
LCU 8 x 40	20 x 52	1.5 mm	1000 mm x 2000 mm	30.8 %
LCU 5 x 20	12 x 30	1.5 mm	1000 mm x 2000 mm	27.8 %