

# X-OPEN AREA PUNCHING

"Pushing the Boundaries of Maximum Open Area" Key Benefits:

**\*Extended Lifespan\***

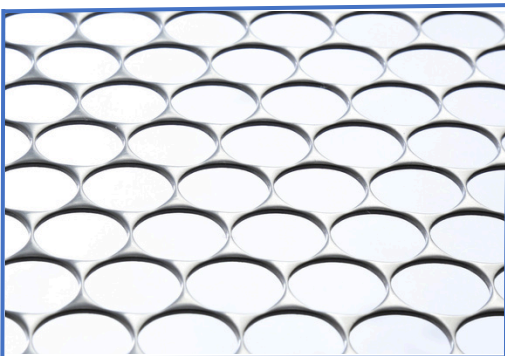
**\*Enhanced Durability\***

**\*Significant Weight Reduction\***

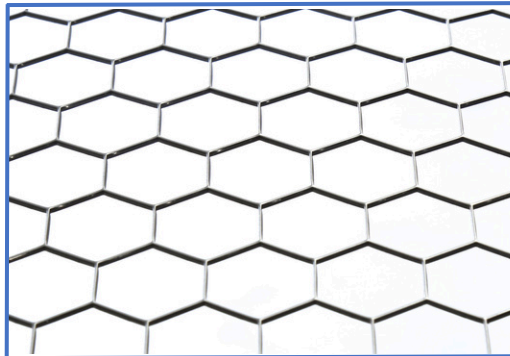
**\*Superior Pressure Resistance\***

**X-OPEN AREA PUNCHING** utilizes cutting-edge Super Punching technology to achieve an unprecedented **\*80-90% open area\*** - a feat previously deemed impossible in metal perforation. Our innovative technique allows for perforations with gaps as small as half the plate thickness, while maintaining a flat surface ideal for secondary processing.

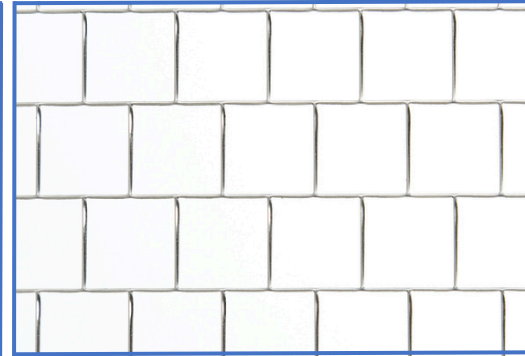
"Unmatched Performance. Unrivaled Quality. Unlimited Possibilities."



**X4315** 304 1t x  $\phi$ 15  
x 15.5 centers 84.8%



**X4135** 5052 1.2t x hexa 15  
x 15.5 centers 93.7%



**X4283** 304 1t x  $\square$ 10  
x 10.5 centers 90.7%

## Why Choose X-OPEN AREA PUNCHING?

### 1. **\*Maximized Open Area\***

Achieve up to 93.7% open area for optimal flow and visibility.

### 2. **\*Material Efficiency\***

Significant weight reduction without compromising strength.

### 3. **\*Customization\***

Available in various materials, thicknesses, and hole patterns.

### 4. **\*Precision Engineering\***

Maintain flat surfaces for seamless integration into your products.

### Applications:

- Heat Dissipation - Air Filtration - Audio Speaker Grilles
- Protective Covers - Industrial Housing

# "List of Standard Material"



No.	Material	Thickness	Hole Size	Hole Centers	Hole Shape	Pattern	Open Area	Maximum Size		
X4311	304	1mm	5	5.5	Round	Staggered	74.9%	500 x 500		
X4313			10	10.5			82.2%	500 x 1000		
X4315			15	15.5			84.8%	1000 x 1000		
X4281			5	5.5	Square	Staggered	82.6%	500 x 500		
X4283			10	10.5			90.7%	500 x 1000		
X4285			15	15.5			93.7%			
X4261			5	5.5	Square	Straight	82.6%	500 x 500		
X4263			10	10.5			90.7%	500 x 1000		
X4265			15	15.5			93.7%			
X4111			5	5.5	Hexagonal	Staggered	82.6%	500 x 500		
X4113			10	10.5			90.7%			
X4115			15	15.5			93.7%	500 x 1000		
X4343			304	1.5mm	5	5.75	Round	Staggered	68.5%	500 x 500
X4342					5	5.6			72.2%	1000 x 1000
X4341					5	5.5			74.9%	
X4346	10	10.75			78.4%					
X4345	10	10.5			82.2%					
X4348	15	15.75			82.2%					
X4291	6	6.7			Square	Staggered	80.2%	500 x 1000		
X4293	10	10.75					86.5%	1000 x 1000		
X4295	15	15.75					90.7%			
X4271	6	6.7			Square	Straight	80.2%	500 x 1000		
X4273	10	10.75					86.5%	1000 x 1000		
X4275	15	15.75					90.7%			
X4141	6	6.7			Hexagonal	Staggered	80.2%	500 x 1000		
X4144	10	10.75					86.5%	1000 x 1000		
X4143	10	10.5					90.7%			
X4145	15	15.75					90.7%			
X4101	5052	0.8mm			5	5.5	Hexagonal	Staggered	82.6%	500 x 1000
X4103					10	10.5			90.7%	
X4105					15	15.5			93.7%	
X4131	5052	1.2mm			5	5.5	Hexagonal	Staggered	82.6%	500 x 1000
X4133			10	10.5	90.7%					
X4135			15	15.5	93.7%					

※The material complies with the Japanese Industrial Standard (JIS).

For more information



Chicago Sales Contact ITA, Inc.  
T : +1 847-453-9882  
E : jing@itaoffice.com

'2024.09.R4

Ready to Revolutionize Your Metal Perforation?

**OKUTANI Ltd. 1895**

Kobe Head Office

5-5, Aioi-cho 4-chome, Chuo-ku, Kobe  
Hyogo 650-0025 Japan

T : +81-78-351-2531 E : info@okutanikanaami.co.jp



Düsseldorf Sales Contact  
T : +49-211-1623-596

E : duesseldorf-oks@okutanikanaami.co.jp