X-OPEN AREA PUNCHING

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

Extended Lifespan

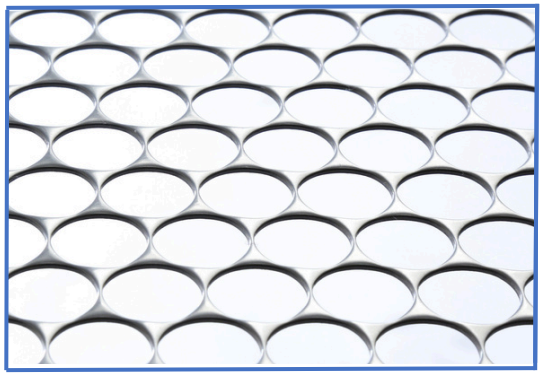
Enhanced Durability

Significant Weight Reduction

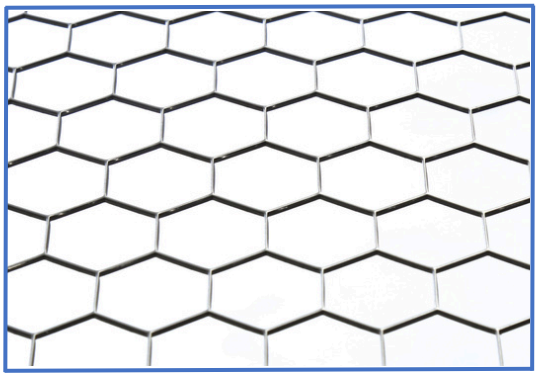
Superior Pressure Resistance

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.

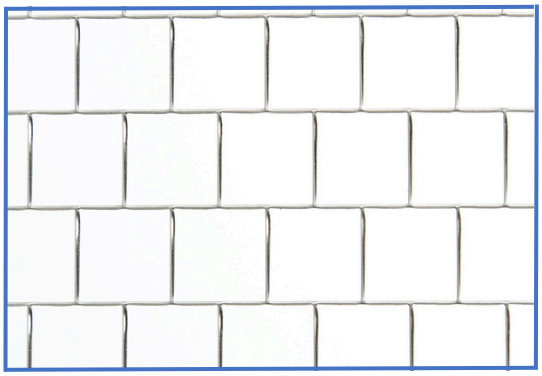
"Unmatched Performance. Unrivaled Quality. Unlimited Possibilities."



X4315 304 .0394"t x φ.5905" x .6102" centers 84.8%



X4135 5052 .0472" x hexa .5905" x .6102" centers 93.7%



X4238 304 .394"t x □.3937" x .4134" 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	0.0394"	φ0.1969"	0.2165"	Round	Staggered	74.9%	19" x 19"
X4313			φ0.3937"	0.4134"			82.2%	19" x 39"
X4315			φ0.5905"	0.6102"			84.8%	39" x 39"
X4281			0.1969"	0.2165"	Square	Staggered	82.6%	19" x 19"
X4283			0.3937"	0.4134"			90.7%	19" x 39"
X4285			0.5905"	0.6102"			93.7%	
X4261			0.1969"	0.2165"	Square	Straight	82.6%	19" x 19"
X4263			0.3937"	0.4134"			90.7%	19" x 39"
X4265			0.5905"	0.6102"			93.7%	
X4111			0.1969"	0.2165"	Hexagonal	Staggered	82.6%	19" x 19"
X4113			0.3937"	0.4134"			90.7%	
X4115			0.5905"	0.6102"			93.7%	19" x 39"
X4343	304	0.0591"	φ0.1969"	0.2264"	Round	Staggered	68.5%	19" x 19"
X4342			φ0.1969"	0.2205"			72.2%	19" x 39"
X4341			φ0.1969"	0.2165"			74.9%	39" x 39"
X4346			φ0.3937"	0.4232"			78.4%	
X4345			φ0.3937"	0.4134"			82.2%	
X4348			φ0.5905"	0.6201"			82.2%	
X4291			0.2362"	0.2638"	Square	Staggered	80.2%	19" x 39"
X4293			0.3937"	0.4232"			86.5%	
X4295			0.5905"	0.6201"			90.7%	39" x 39"
X4271			0.2362"	0.2638"	Square	Straight	80.2%	19" x 39"
X4273			0.3937"	0.4232"			86.5%	39" x 39"
X4275			0.5905"	0.6201"			90.7%	
X4141			0.2362"	0.2638"	Hexagonal	Staggered	80.2%	19" x 39"
X4144			0.3937"	0.4232"			86.5%	39" x 39"
X4143			0.3937"	0.4134"			90.7%	
X4145			0.5905"	0.6201"			90.7%	
X4101	5052	0.0315"	0.1969"	0.2165"	Hexagonal	Staggered	82.6%	19" x 39"
X4103			0.3937"	0.4134"			90.7%	
X4105			0.5905"	0.6102"			93.7%	
X4131	5052	0.0472"	0.1969"	0.2165"	Hexagonal	Staggered	82.6%	19" x 39"
X4133			0.3937"	0.4134"			90.7%	
X4135			0.5905"	0.6102"			93.7%	

※Thematerial complies with the Japanese Industrial Standard (JIS).

Ready to Revolutionize Your Metal Perforation?

For more information

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