

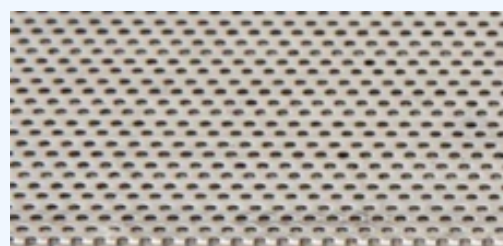


# Super high-ratio perforated metal:

# OKUTANI offers the unattainable perforated metal ratio.

**SUPER PUNCHING** perforates with holes smaller than the material's thickness, which previously thought impossible.

**ULTRA SUPER PUNCHING**™ pushes the envelope even further by allowing perforating of material up to twice the thickness of the hole diameter.



**3010** OA 22.7%  
.0393"t x φ .0295" x .0591" centers



**3070** OA 40.3%  
.1181"t x φ.0787" x .1181" centers



**3090** OA 50.6%  
.1181"t x φ.1181 x .1575" centers



**3038** OA 22.7%  
.0787" x φ.0394" x .0787" centers



**3063** OA 22.7%  
.1181"t x φ.0591" x .1181" centers



**3165** OA 32.6%  
.2362"t x φ .1181" x .1969" centers

## What is the application?

### Final Filtration Processes

Cosmetics, Food & Beverage & etc.

### Industrial Filtration

Pharmaceutical, Water, Wastewater Treatment, Nuclear Power Generation, Oil Refining & etc.

### Automotive Solutions

Audio Speaker Covers for Vehicles, Lightweight Material Solutions & etc.

### Equipment Screens

Optimize Filtration in Milling Trommels, Granulating Machines, Rectifiers & Grinders.

### High-Performance Parts

Applications require exceptional durability and high-pressure resistance in Airplanes, Trains & etc.

# "List of Standard Material"

#	Material	Thickness	Hole size	Hole Centers	Hole Pattern	Centers	Open area	Max.size
<b>SUPER PUNCHING</b>								
3010	304 (SUS304J2)	0.0394"	0.0295"	0.0591"	ROUND	Staggred	22.50%	24" x 39"
3015		0.0394"	0.0295"	0.0787"			12.70%	48" x 48"
3020		0.0394"	0.0315"	0.0630"			22.50%	24" x 48"
3023	304L	0.0394"	0.0354"	0.0787"			18.40%	48" x 48"
3025		0.0472"	0.0394"	0.0787"			22.50%	
3028	304 (SUS304J2)	0.0472"	0.0394"	0.1181"			10.00%	48" x 39"
3030		0.0591"	0.0394"	0.1181"			10.00%	48" x 48"
3033		0.0591"	0.0394"	0.0984"			14.40%	
3040		0.0787"	0.0472"	0.0945"			22.50%	19" x 39"
3045	304L	0.0787"	0.0591"	0.1181"			22.50%	39" x 78"
3050	304	0.0787"	0.0787"	0.1181"			40.00%	48" x 96"
3060	304L	0.0984"	0.0591"	0.1181"			22.50%	19" x 19"
3065		0.0984"	0.0787"	0.1378"			29.40%	39" x 78"
3070		0.1181"	0.0787"	0.1181"			40.00%	48" x 48"
3075		0.1181"	0.0787"	0.1575"			22.50%	
3080		0.1181"	0.0984"	0.1969"			22.50%	48" x 78"
3090		0.1181"	0.1181"	0.1575"			50.60%	39" x 78"
3095	304	0.1181"	0.1575"	0.1969"			57.60%	
3100	304L	0.1575"	0.1181"	0.1969"			32.40%	
3105		0.1575"	0.1378"	0.2362"			30.60%	
3110		0.1575"	0.1575"	0.2362"	40.00%			
3150		0.1969"	0.1575"	0.3150"	22.50%			
3155		0.1969"	0.1772"	0.3740"	20.20%	48" x 96"		
3170		0.2362"	0.1772"	0.4134"	16.50%	39" x 78"		
3175		0.2362"	0.1969"	0.3150"	35.20%			
3180		0.2362"	0.2362"	0.3543"	40.00%			

<b>ULTRA SUPER PUNCHING™</b>								
3038	304	0.0787"	0.0394"	0.0787"	ROUND	Staggred	22.70%	19" x 19"
3031		0.0787"	0.0394"	0.1181"			10.10%	
3063		0.1181"	0.0591"	0.1181"			22.70%	
3165	316L	0.2362"	0.1181"	0.1969"			32.60%	

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

**Ready to Revolutionize Your Metal Perforation?**

[For more information](#)



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