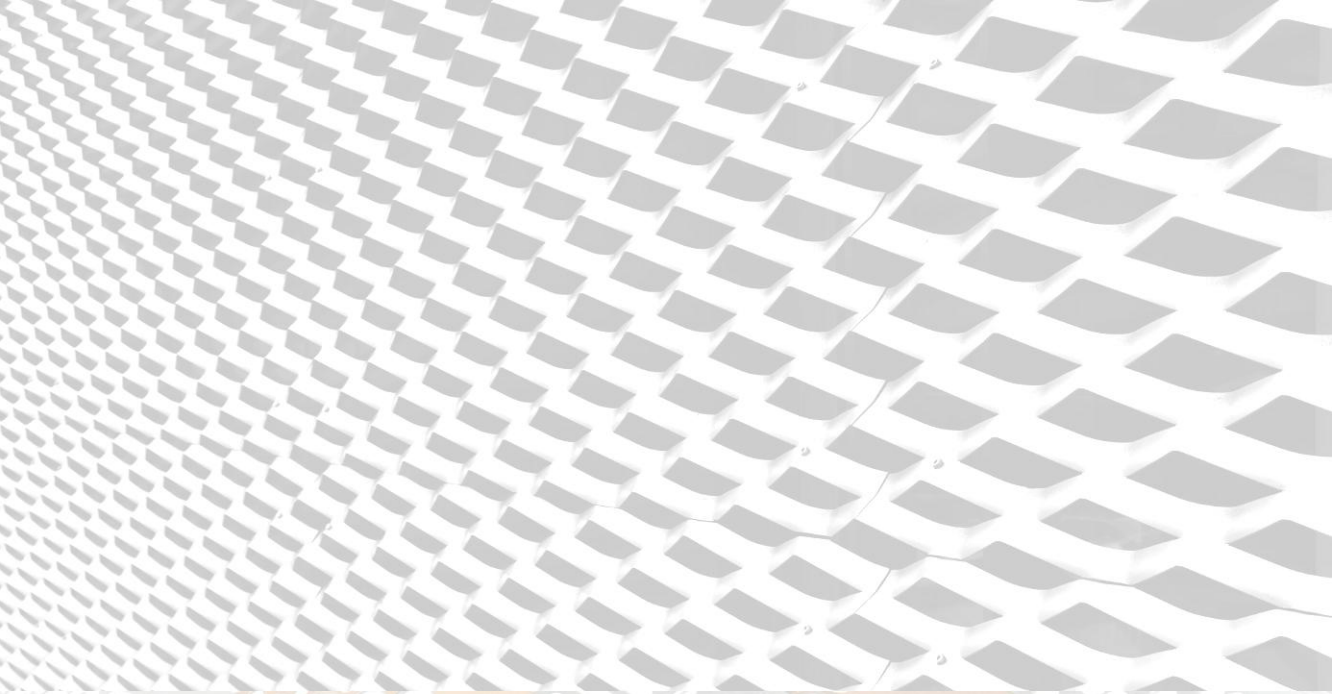
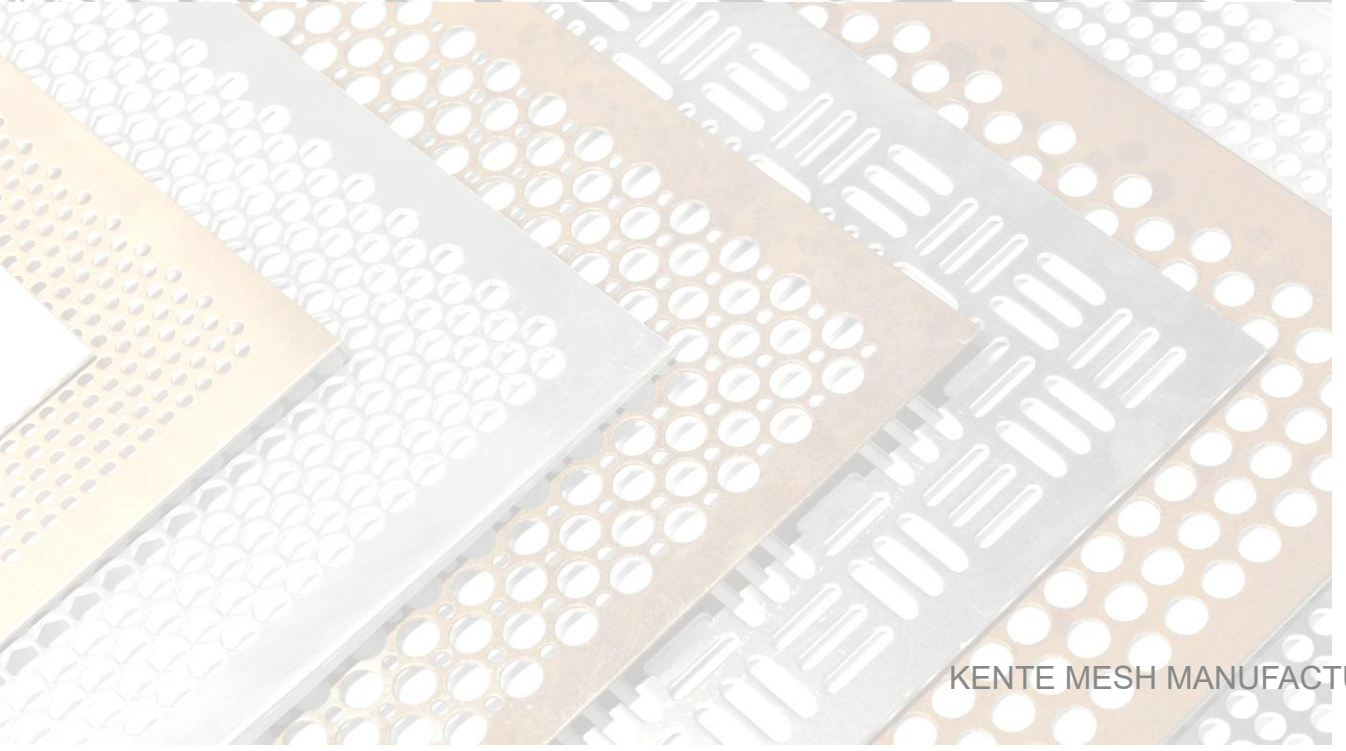
KENTE MESH





02 Company Profile

Kente is a Chinese company specialized in the manufacture of panels in expanded and perforated sheet for the building industry and construction industry.
It offers solutions for architecture covering all design scales, from exterior facades to detailed interior finishes.
The high technology and quality of the materials along with the infinite combinations of shapes and colours available, make it possible to perfectly blend aesthetics and functionality for both Architecture and Design.

Kente offers the market more than 200 expanded mesh models, manufactured in different materials and with different thicknesses.

We guarantee that our products comply with security standards imposed by laws.

03 Product Introduction

more than 200
types of meshes

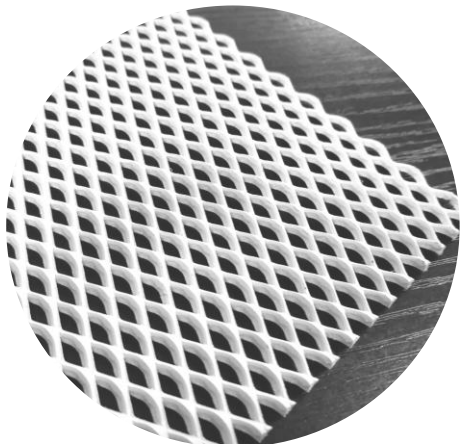
Choose from more than 200 types of different standard meshes from different categories – expanded metal, perforated sheet. We also give you the opportunity to require completely customized meshes.

more than 5
different materials

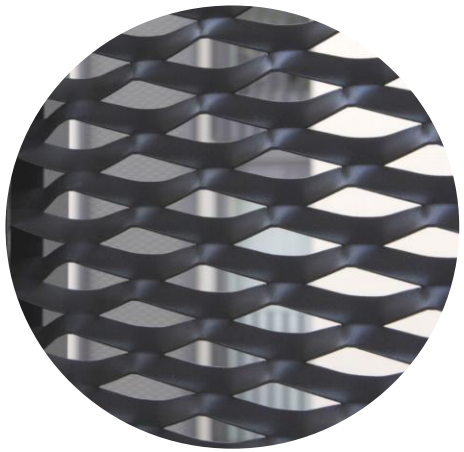
Most of our meshes are available in various materials: aluminium, mild steel, galvanized steel, stainless steel. Some meshes are available also in bronze and cooper.

more than 10
possible applications

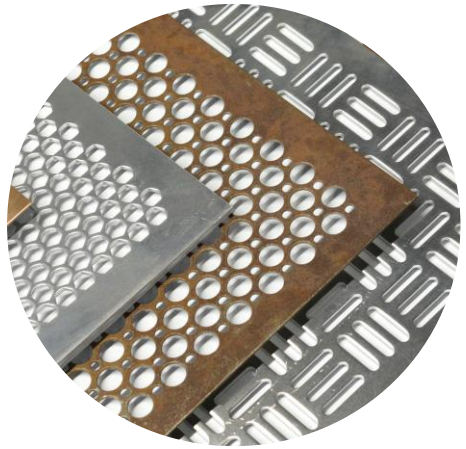
In our wide range of products you will definitely find the right solution for any of your exterior or interior architectural projects, such as facades, staircase claddings, ceilings, sun screening systems,fence systems etc…



Expanded Metal

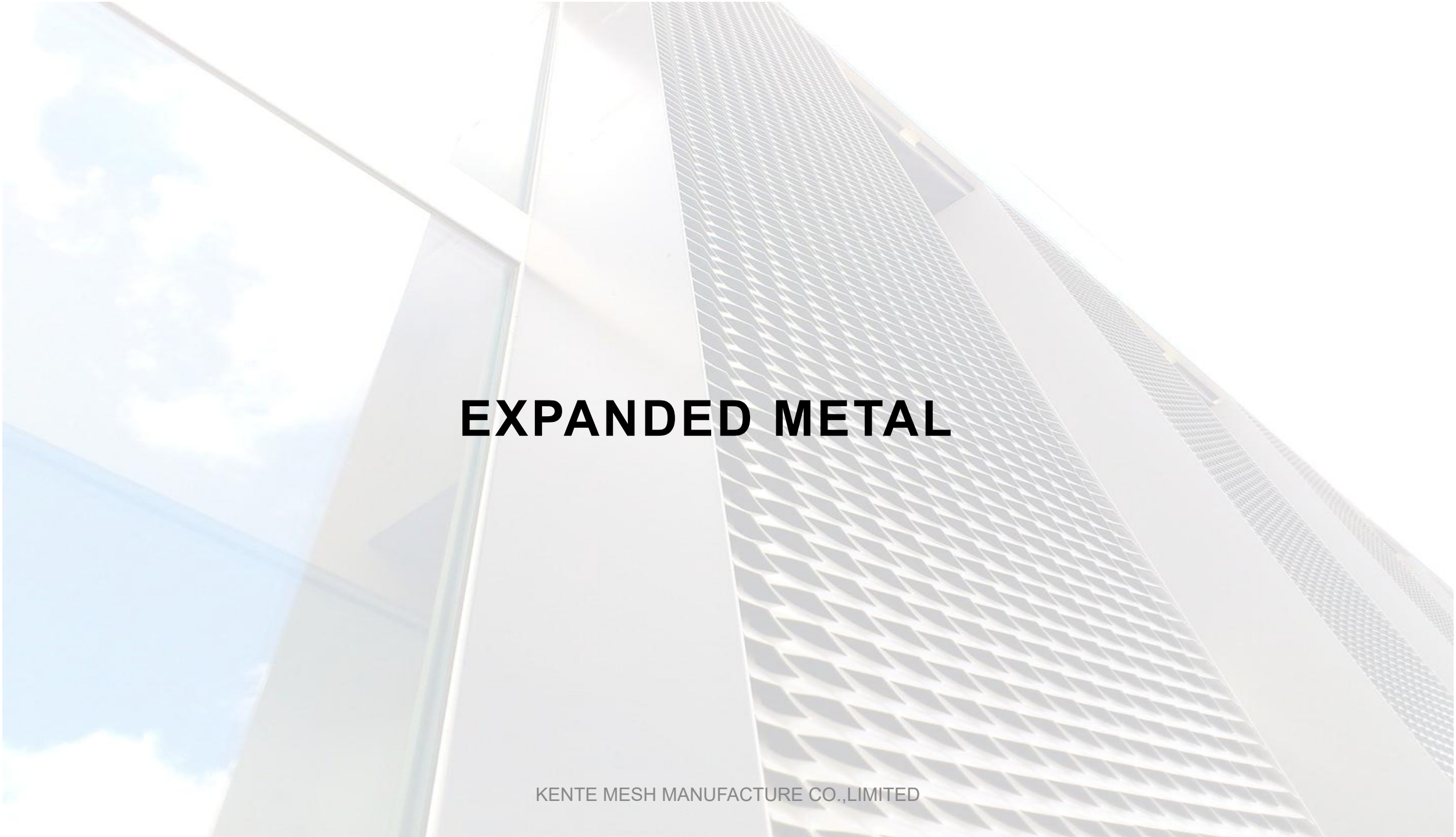


Aluminum Expanded Metal



Perforated Sheet

Customized Perforated Sheet



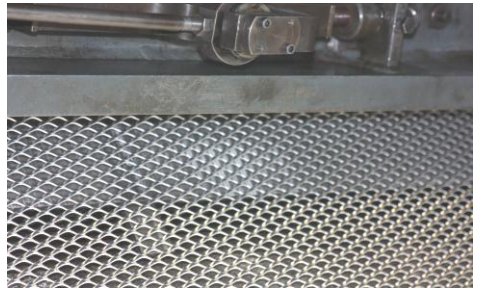
EXPANDED METAL

What is Expanded Metal ?

The process for expanded metal was first patented in Hartlepool, UK, in the 1880's, and despite the amount of time which has elapsed since then, the process remains true to the original idea.

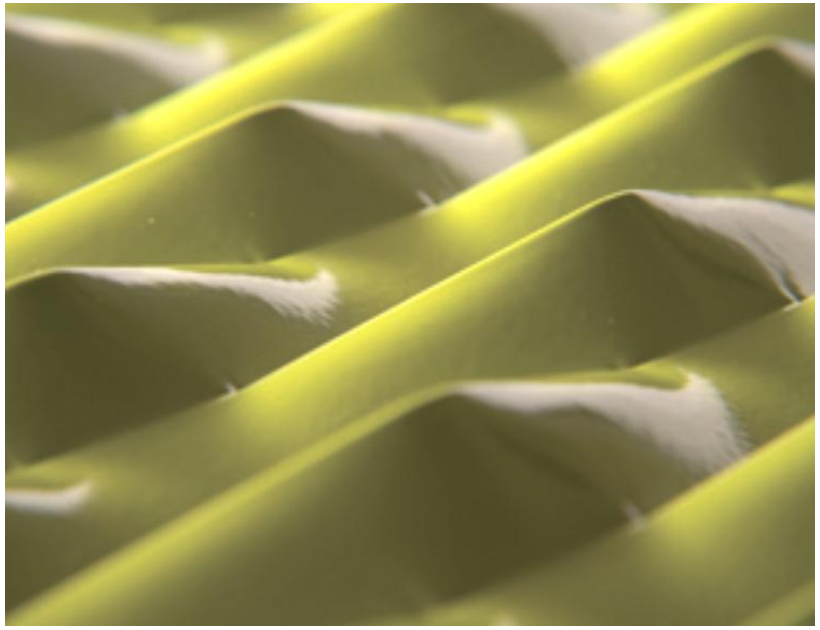
Precious and specialty metals can all be expanded, as well as some plastics and other ductile materials. The process is simple but incredibly effective.

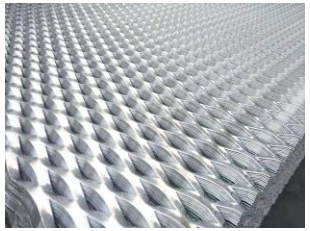
> Sheets or coils of metal are fed into the expanding machine. A little metal cancreate a lot of mesh.



> Each machine isfitted with a unique"knife," dedicated to aparticular pattern.

> The machines are then programmed or manually controlled to ensure the metal is expanded to the exact specification.

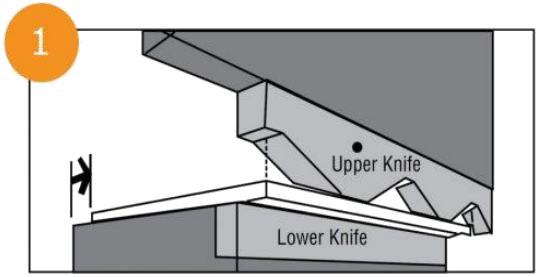




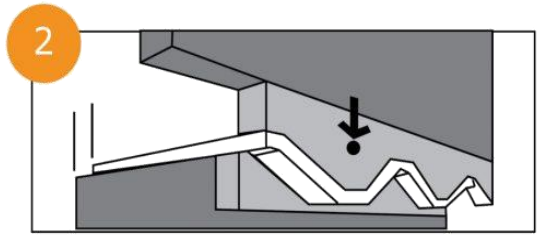
> Using the unique shearing and stretching process means very littlewaste is created.

The metal is sheared and then stretched in a single process creating the apertures and therefore expanding the metal. Custom knives can be manufactured to create a design for your exclusive use. The mesh is then either cut into sheets or wound onto coils ready for shipping or further processing

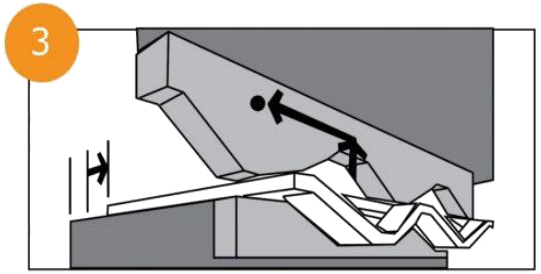
Expanded Metal Punching Details



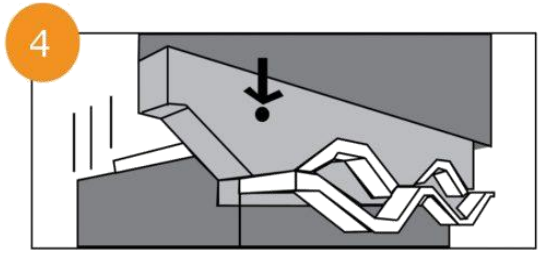
The sheet or plate advances between the knife one strand width beyond the lower.



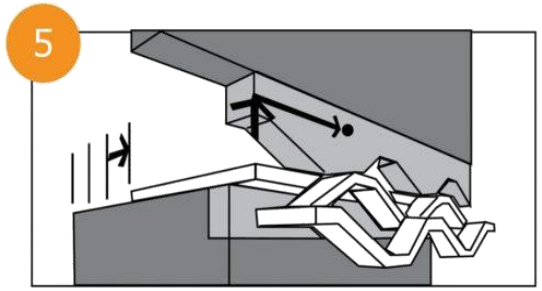
The upper knife descends to form one half of the diamond design.



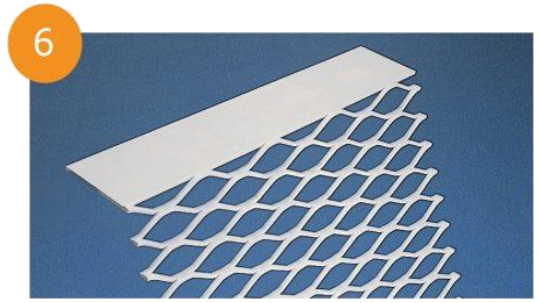
The upper knife then ascends fully and indexes one half diamond to the side as the material advances another strand width.



The upper knife descends again to form another row of half diamonds to complete the design.



The upper knife ascends again, indexing to its original starting position. The cycle continues until the sheet of expanded metal is complete.



The sheet of metal becomes expanded mesh without waste. The mesh is proportionally lighter and stronger than the original material.

Expanded Metal Features and Benefits

The mesh is formedfrom a single piece ofmetal

> Which means that there is nothing to work loose, no fretting strands or strained joins or welds. This makes expanded mesh ideal for forming and beneficial to further processing such as pressing and shearing. The strength of mesh makes it valuable for use in multiple components.

Anti-slip surface

> The knuckles formed by expanding mesh give sound gripunderfoot, particularly beneficial when used in stair treads, ramps and walkways. We have also developed a range of specific anti-slip walkway meshes.

Excludes and retains simultaneously

> Mesh acts as a barrier for security and storage. For example, our meshes are excellent for grain storage as they allow the circulation of air but keep vermin out.

Premium reinforcementpr operties

> Expanded metal mesh can be combined with other materials to give products added strength. For example, glass, plastics and other composites can be either incorporated into, or attached to, meshes for increased strength and security purposes or aesthetics.

Practical and effectivescreening

> Taking a sample of mesh and looking through it at various angles best illustrates the visual properties of expanded metal meshes. Wide strand meshes are used in archi-tectural solar screens on the exterior of buildings and throughout interiors for decorative grilles.

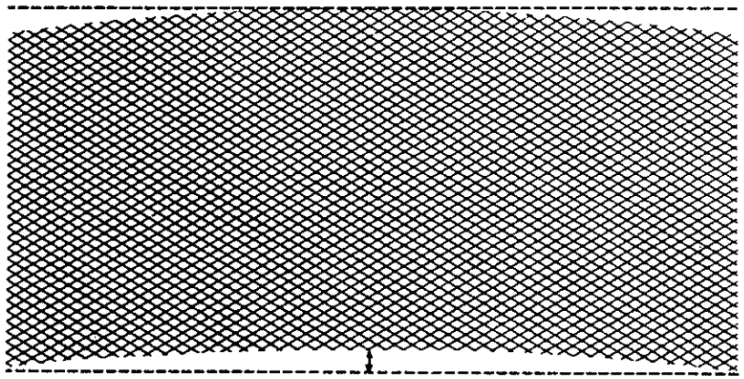
Gerneral Information

CAMBER

Camber refers to the bow in sheet. Measured by placing a straight edge alongthe concave side of the sheet parallel to LW, touching both ends of the sheet.The maximum distance between the edge of the expanded metal and thestraight edge is the camber

TOLERANCE

Standard expanded metal: 5mm per 1 metre of length



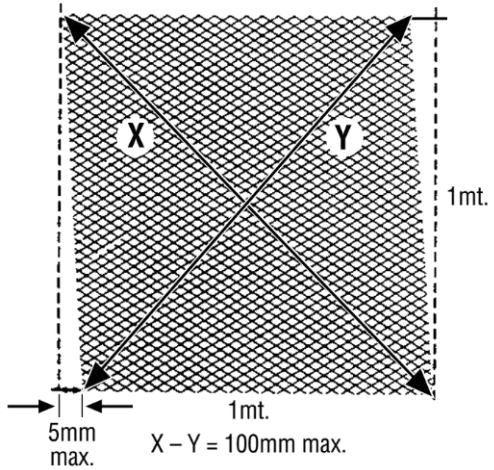
Flattened expanded metal: 7mm per 1 metre of length.

OUT OF SQUARE

Expanded metal sheets are not perfectly square when manufactured. Stock size sheets and machine run bespoke size sheets will be produced to the following tolerances.

TOLERANCE

Maximum out of square on edge of sheet 5mm per 1 metre of length OR 10mm on diagonals per square metre. Sheet must be re-squared by shearing on all sides for squareness



GERNERAL TOLERANCE

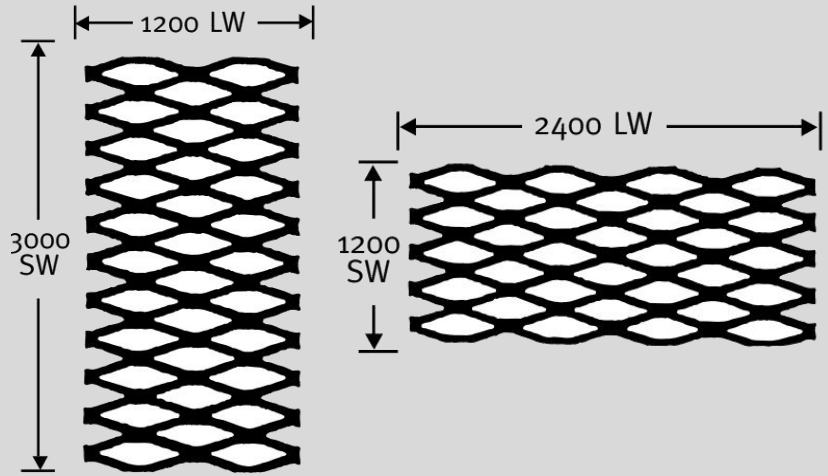
Reference to sheet size, strand width, thickness and weight are approximateonly. Whilst every effort is made for these figures to be accurate, expandedmetal manufactured and supplied is subject to our standard tolerances. Wetherefore reserve the right to alter specifications, etc., without notice

ORDER PROCEDURE

When ordering Expanded Metals,give complete profile specifications to avoid possible error.When ordering please state:

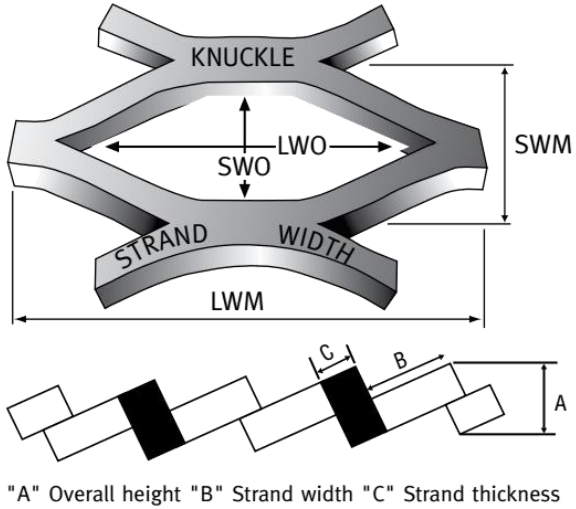
1. Mesh reference
2. Quantity of sheets
3. Sheet Size (SW dimensions first see diagram)
4. Type of material e.g. steel,aluminium, etc.
5. Finish, e.g. untreated or galvanized
6. Tolerances (if required)
7. Where applicable specify raised or flat

EXAMPLE



These examples show the importance of specifying which dimensions are SW and LW.

RAISED EXPANDED METAL

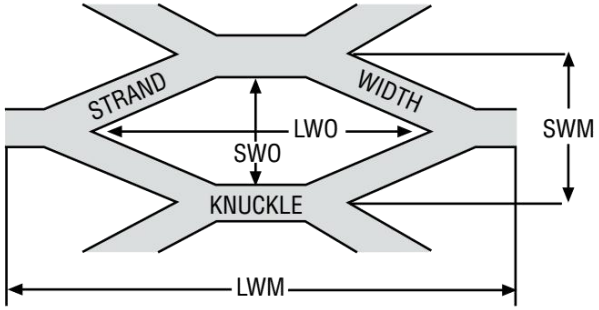


"A" Overall height "B" Strand width "C" Strand thickness

Raised Expanded Metal

Expanded metal as it comes off the machine. The strands and knuckles are set at a uniform angle to the plane of the sheet. This adds strength and rigidity, allows air circulation, and distributes the load on the metal to the supporting frames.

FLATTENED EXPANDED METAL



"A" Overall thickness and strand thickness

Flattened Expanded Metal

By flattening the sheet, the knuckle/bond and strands are turned down to produce a smooth and flat surface, reducing the overall thickness and elongating the diamond pattern.

LONG WAY MESH (LWM/LWD)

The distance from a point on a knuckle to a corresponding point on the following knuckle measured across the Long Way. This distance is also sometimes referred to as “pitch” LWM.

SHORT WAY MESH (SWM/SWD)

The distance from a point on a knuckle to a corresponding point on the following knuckle measured across the Short Way.

LONG WAY OPENING (LWO)

Long Way of Opening, the distance measured from the inside of the knuckle across to the inside of the knuckle LWO.

SHORT WAY OPENING (SWO)

Short Way of Opening, the distance measured from the inside of the knuckle across to the inside of the knuckle SWO.

KNUCKLE

The intersection of two strands and it is always the width of two strands.

OVERALL THICKNESS

The actual measurement of the thickness of the mesh measured at the knuckle. (Dimension ‘A’)

OPEN AREA

The percentage of open area given is approximate. For meshes of the conventional type with strands inclined from the plane of the sheet.

GUILLOTINING

A process carried out after expanding to cut expanded sheets exactly to size (within the guillotining tolerance). Shearing may leave “Stags” on a mesh.

STAG ENDS

Incomplete strands existing beyond the joints of a mesh either LWM,SWM or both.

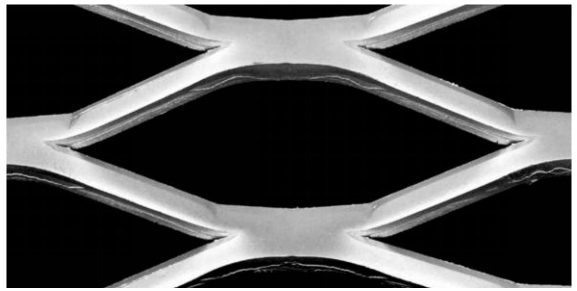
TYPES OF EXPANDED METAL MESH

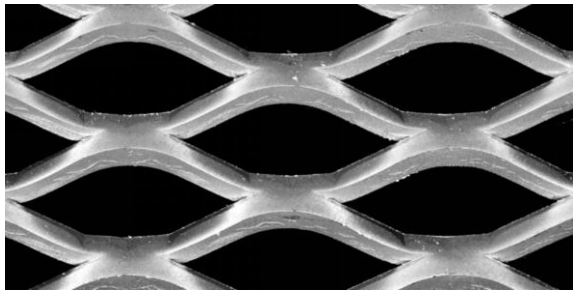
MORE THAN 300 DIFFERENT TYPES OF EXPANDED METAL MESH,THERE MUST BE ONE FOR YOU.

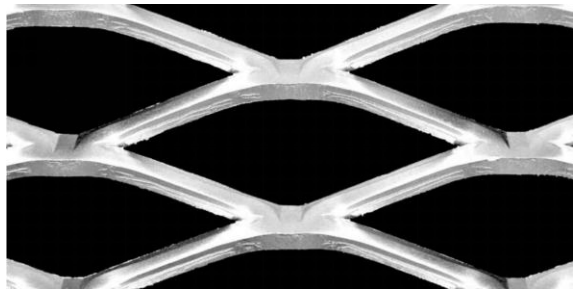
Walkway & Platform Mesh Range

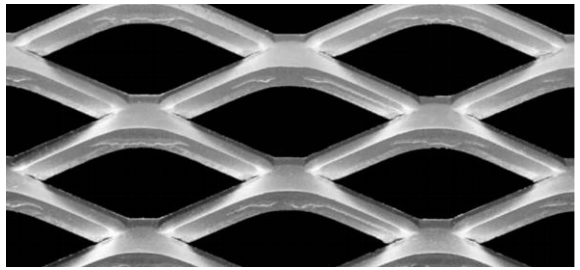
Product Code	SWD X LWD Mm	Thickness Mm	Strand width Mm	Steel Kg/m2	Aluminum Kg/m2	Max width of sheet Mm	Frontal open area aprox
WM50080	45X135	5.0	8.0	14.0	4.8	3000	60%
WM50110	45X135	5.0	11.0	19.0	6.6	3000	50%
WM50075	30X75	5.0	7.5	22.0	6.7	3000	50%
WM50105	30X75	5.0	10.5	28.0	9.5	3000	30%
WM50065	37X115	5.0	6.5	13.8	4.7	3000	64%
WM50050	37X115	5.0	5.0	10.6	3.6	3000	70%
WM50055	22X57	5.0	5.5	19.6	6.7	3000	50%
WM50050	22X57	5.0	5.0	17.8	6.1	3000	55%

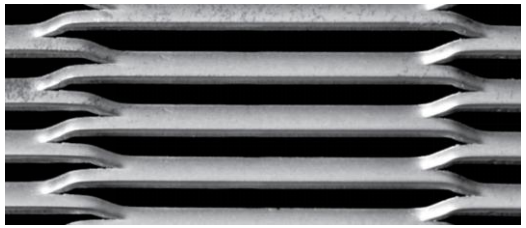
*All chart specifications may vary.Please inquire if they are critical to your application.

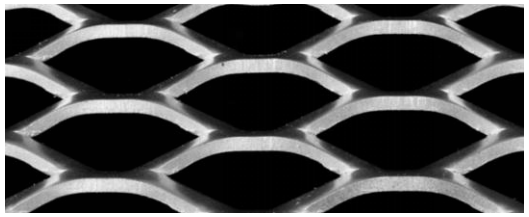


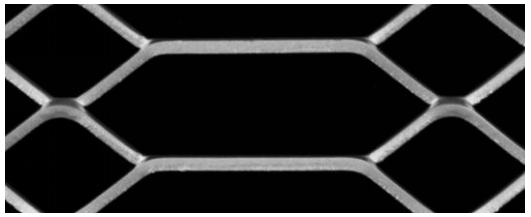


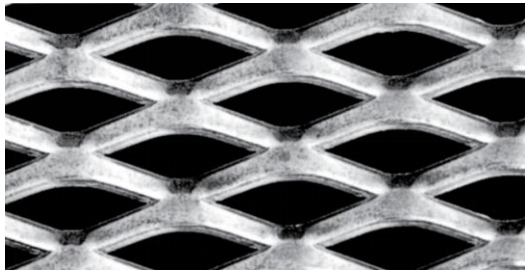


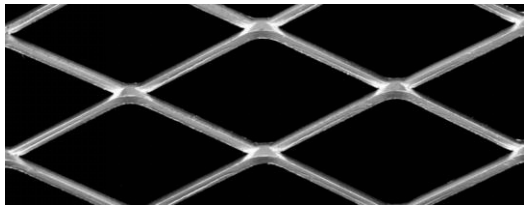












Security & Fencing Mesh Range

Product Code	SWD X LWD Mm	Thickness Mm	Strand width Mm	Steel Kg/m2	Aluminum Kg/m2	Max width of sheet Mm	Frontal open area aprox
GM3030	13X83	3.0	3.0	10.8	3.75	3000	54%
GM3050	13X83	3.0	5.0	18.1	6.25	3000	23%
AG 3060	19X57	3.0	6.0	14.87	5.13	3000	37%
AG 3075	25X57	3.0	7.5	14.13	4.87	3000	40%
AG 3080	30X75	3.0	8.0	12.55	4.33	3000	46%
DSM 3032	26X121	3.0	3.2	6.27	2.16	3000	73%
SM3050	16X38	3.0	5.0	14.7	5.0	3000	37%
SM3055	16X38	3.0	5.5	16.2	5.6	3000	31%
SM 1530	38X76	1.5	3.0	1.86	0.64	3000	84%
SM 30035	38X76	3.0	3.5	4.33	1.50	3000	81%
SM 3045CY	38X76	3.0	4.5	5.57	1.92	3000	76%
SM 2038	50X115	2.0	3.8	2.38	0.82	3000	85%
SM 3060	42X115	3.0	6.0	6.72	2.32	3000	71%
SM 4575	42X115	4.5	7.5	12.61	4.35	3000	64%
SM 3060	76X200	3.0	6.0	3.72	1.28	3000	84%
SM 5060	76X200	5.0	6.0	6.20	2.14	3000	84%

*All chart specifications may vary.Please inquire if they are critical to your application.

US STANDARD SPECIFICATION

Standard Expanded Metal Product Details									
Style	Approx. Weight Per.SF	Design Sizes		Opening Sizes		Strand Size		Overall Thickness	Open Area
		SWD	LWD	SWO	LWO	Thickness	Width		
Carbon Steel- Standard									
3/16 #22 S	.45#	4.83	12.70	3.56	8.76	7.87	0.86	1.78	61%
1/4 #20 S	.86#	6.35	25.40	3.18	18.24	0.91	1.83	3.43	45%
1/4 #18 S	1.14#	6.35	25.40	2.79	18.24	1.22	1.83	3.73	43%
1/2 #20 S	.43#	12.70	30.48	11.13	23.83	0.91	1.83	3.56	80%
1/2 #18 S	.70#	12.70	30.48	11.13	23.83	1.22	2.24	4.37	72%
1/2 #16 S	.86#	12.70	30.48	9.53	26.34	1.52	2.21	4.45	65%
1/2 #13 S	1.47#	12.70	30.48	7.92	23.83	2.29	2.44	5.18	57%
3/4 #16 S	.54#	23.44	50.80	20.65	44.45	1.52	2.57	5.33	78%
3/4 #13 S	.80#	23.44	50.80	19.05	42.88	2.29	2.44	5.21	76%
3/4 #10 S 13ga.	1.20#	23.44	50.80	19.05	41.28	2.29	3.66	7.37	72%
3/4 #9 S 10 ga.	1.80#	23.44	50.80	17.48	39.67	3.40	3.81	7.92	68%
1 #16 S	.44#	25.40	60.96	23.83	52.37	1.52	2.21	4.88	82%
1-1/2 #18 S	.20#	33.78	76.20	33.35	66.68	1.22	1.73	3.56	90%
1-1/2 #16 S	.40#	33.78	76.20	31.75	66.68	1.52	2.74	5.84	85%
1-1/2 #13 S	.60#	33.78	76.20	30.18	63.50	2.29	2.67	6.15	85%
1-1/2 #10S13ga.	.79#	33.78	76.20	30.18	63.50	2.29	3.51	7.21	80%
1-1/2 #9S 10ga.	1.20#	33.78	76.20	28.58	60.33	3.40	3.66	7.92	76%
1-1/2 #6 S	2.50#	33.78	76.20	28.19	58.75	4.93	5.16	11.00	69%
2 #10 S 13 ga.	.68#	46.99	101.60	41.28	87.33	2.34	4.17	8.31	82%
2 #9 S 10 ga.	.90#	46.99	101.60	39.70	85.73	3.40	3.78	7.92	84%
Stainless steel - Type 304 or 316 Standard									
1/4 #18 S	1.46#	6.35	25.40	3.05	15.75	1.27	2.21	3.81	30%
1/2 #18 S	.73#	12.70	30.48	11.10	23.80	1.27	2.21	4.17	70%
1/2 #16 S	.91#	12.70	30.48	11.10	23.80	1.57	2.21	4.17	70%
1/2 #13 S	1.87#	12.70	30.48	8.26	22.23	2.36	3.02	5.72	52%
3/4 #18 S	.48#	23.44	50.80	20.62	44.45	1.27	2.69	5.13	85%
3/4 #16 S	.60#	23.44	50.80	20.62	44.45	1.57	2.69	5.13	83%
3/4 #13 S	.91#	23.44	50.80	19.05	42.85	2.36	2.72	5.13	80%
3/4 #9 S 10 ga.	2.05#	23.44	50.80	17.45	39.67	3.56	4.06	7.62	67%
1-1/2 #16 S	.45#	33.78	76.20	31.75	69.85	1.57	2.92	5.64	85%
1-1/2 #13 S	.68#	33.78	76.20	31.75	66.68	2.36	2.92	5.64	83%
1-1/2 #9S 10ga.	1.37#	33.78	76.20	28.58	63.50	3.56	3.94	7.11	77%
Aluminum - Standard									
3/16 #.032 S	.16#	4.83	12.70	4.06	9.14	0.81	0.86	1.78	66%
1/2 #.051 S	.27#	12.70	30.48	9.53	23.80	1.30	2.36	4.01	65%
1/2 #.081 S	.44#	12.70	30.48	9.53	23.80	2.06	2.44	4.72	60%
3/4 #.051 S	.17#	23.44	50.80	20.62	44.45	1.30	2.77	5.08	78%
3/4 #.081 LS	.32#	23.44	50.80	19.05	42.67	2.06	3.28	5.59	76%
3/4 #.081 HS	.41#	23.44	50.80	19.05	42.67	2.06	4.19	7.62	69%
3/4 #.125 S	.65#	23.44	50.80	17.45	42.67	3.18	4.29	7.75	68%
1-1/2 #.081 S	.22#	33.78	76.20	30.15	63.50	2.06	3.25	6.10	85%
1-1/2 #.125 S	.43#	33.78	76.20	30.15	63.50	3.18	4.11	7.62	79%

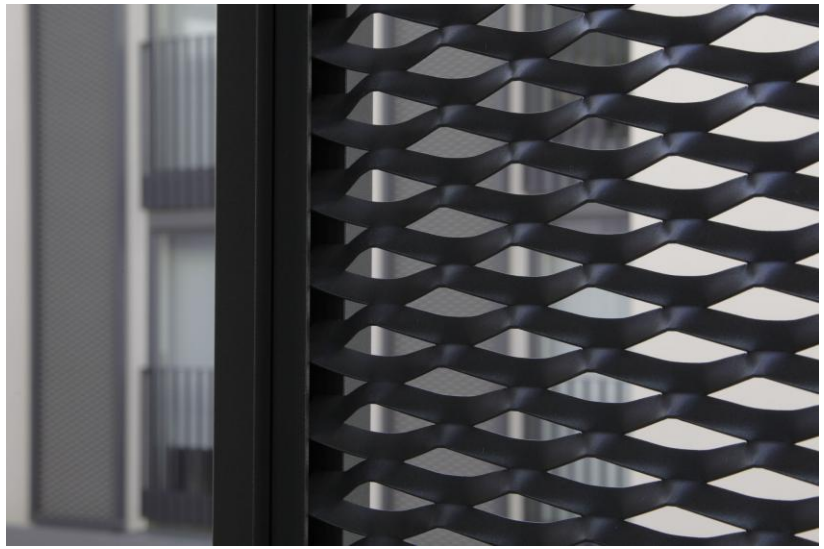
All chart specifications may vary.Please inquire if they are critical to your application.

Flattened Expanded Metal Product Details

Style	Approx. Weight Per.SF	Design Sizes		Opening Sizes		Strand Size		Overall Thickness	Open Area
		SWD	LWD	SWO	LWO	Thickness	Width		
Carbon Steel- Flattened									
3/16 #22 F	.43#	5.08	12.95	2.92	7.62	0.61	1.02	0.61	55%
1/4 #20 F	.82#	6.35	26.67	2.79	18.16	0.76	2.01	0.76	35%
1/4 #18 F	1.08#	6.35	26.67	3.00	18.16	1.02	2.03	1.02	35%
1/2 #20 F	.40#	12.70	31.75	9.53	25.40	0.74	2.01	0.74	65%
1/2 #18 F	.66#	12.70	31.75	7.92	25.40	0.99	2.46	0.99	60%
1/2 #16 F	.82#	12.70	31.75	7.92	25.40	1.27	2.44	1.27	63%
1/2 #13 F	1.40#	12.70	31.75	6.73	25.40	1.98	2.72	1.98	52%
3/4 #16 F	.51#	23.44	53.34	19.05	44.45	1.22	2.82	1.22	74%
3/4 #14 F	.63#	23.44	53.34	17.48	46.05	1.55	2.67	1.55	74%
3/4 #13 F	.75#	23.44	53.34	17.48	45.24	1.98	2.69	1.98	74%
3/4 #10 S 13ga.	1.14#	23.44	53.34	16.18	44.58	1.78	4.06	1.78	68%
3/4 #9 S 10 ga.	1.71#	23.44	53.34	14.30	42.88	3.05	4.19	3.05	63%
1 #16 F	.41#	25.40	63.50	20.65	57.15	1.27	2.49	1.27	78%
1-1/2 #16 F	.38#	33.78	81.28	26.97	69.85	1.22	3.02	1.22	83%
1-1/2 #14 F	.46#	33.78	81.28	26.97	69.85	1.52	2.95	1.52	80%
1-1/2 #13 F	.57#	33.78	81.28	26.97	69.85	1.98	2.95	1.98	80%
1-1/2 #9F 10ga.	1.14#	33.78	81.28	25.40	65.10	2.79	4.01	2.79	75%
2 #9 F 10 ga.	.80#	46.36	110.74	36.70	93.98	2.79	4.32	2.79	83%
Stainless Steel - Type 304 or 316 - Flattened									
1/4 #18 F	1.43#	6.35	30.48	2.03	16.76	1.19	2.29	1.19	28%
1/2 #18 F	.69#	12.70	32.00	7.92	25.40	1.02	2.49	1.02	60%
1/2 #16 F	.86#	12.70	32.00	7.92	25.40	1.27	2.51	1.27	60%
1/2 #13 F	1.78#	12.70	32.00	6.10	23.24	2.03	3.35	2.03	45%
3/4 #18 F	.46#	23.44	53.34	19.05	46.02	1.02	3.00	1.02	75%
3/4 #16 F	.57#	23.44	53.34	19.05	46.02	1.27	3.00	1.27	75%
3/4 #13 F	.86#	23.44	53.34	15.88	44.45	2.03	3.05	2.03	75%
3/4 #9 F 10 ga.	1.95#	23.44	53.34	14.27	43.10	3.02	4.19	3.02	61%
1-1/2 #16 F	.43#	33.78	80.01	26.97	69.85	1.27	3.25	1.27	80%
1-1/2 #13 F	.65#	33.78	80.01	25.40	66.68	2.03	3.30	2.03	80%
1-1/2 #9F 10ga.	1.31#	33.78	80.01	23.80	66.68	3.02	4.19	3.02	75%
Aluminum - Flattened									
1/2 #.051 F	.26#	12.70	32.26	7.92	25.40	1.02	2.64	1.02	61%
1/2 #.081 F	.42#	12.70	32.26	7.92	25.40	1.52	2.67	1.52	58%
3/4 #.051 F	.16#	23.44	53.98	19.05	46.02	1.02	3.10	1.02	72%
3/4 #.081 LF	.30#	23.44	53.98	17.45	44.45	1.78	3.63	1.78	70%
3/4 #.081 HF	.39#	23.44	53.98	17.45	44.45	1.78	4.60	1.78	63%
3/4 #.125 F	.62#	23.44	53.98	15.88	44.45	2.41	4.75	2.41	62%
1-1/2 #.081 F	.21#	33.78	80.01	26.97	69.85	1.52	3.63	1.52	77%
1-1/2 #.125 F	.41#	33.78	80.01	25.40	69.85	2.03	4.60	2.03	70%

*Aluminum specifications shown. All chart specifications may vary.Please inquire if they are critical to your application.

APPLICATION



ALUMINUM EXPANDED METAL-- Agricultural &Decorative Mesh Range

Numerous features and benefits

A unique high quality, eco-friendly and innovative product, which allows architects and construction companies to realise their visions.

DURABILITY AND SAFETY

KENTE Aluminium Expanded Mesh is made by uniformly piercing and stretching a single piece of metal whilst retaining its structural integrity, resulting in durability and resistance to breakage and damage. The manufacturing process produces expanded mesh with strong grip surfaces, making it ideal for anti-slip walkways. Combining expanded mesh with glass, concrete or plastic in buildings helps create a strong structure.

PERMEABILITY AND FILTRATION

The diamond-shaped apertures in KENTE Aluminium Expanded Mesh can provide different levels of permeability, depending on their size. It can provide privacy and diffuse light while still letting in air. For example, the expanded mesh on airport runways can safely disperse the air flow because of its air filtering effects. On a smaller scale, fine expanded mesh can filter impurities through electro chemical filtration, or in combination with other materials. Its durability and metallic properties make it an ideal filter.

ECO-FRIENDLY AND ENERGY SAVING

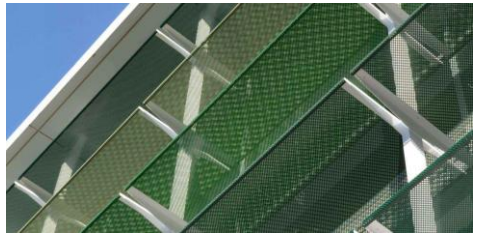
KENTE Aluminium Expanded Mesh is manufactured in an environmentally conscious way, using the entirety of the material to ensure nothing is wasted. Wide-strand expanded mesh can be used in architecture to filter sunlight in specific angles and patterns, to reduce solar radiation entering a building. It acts as both a barrier and insulator and saves energy by maintaining the interior temperature. It is also an excellent structure for vines and other climbing plants to grow on. These qualities make the expanded mesh an excellent material in the construction of green buildings.

VERSATILITY AND FLEXIBILITY

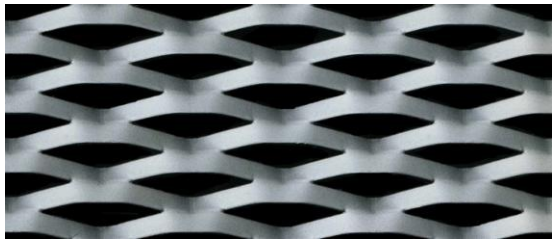
Expanded mesh is capable of covering areas small and large, straight and curved. The static pattern creates a seamless appearance. Expanded mesh can be adapted to our clients' needs, in terms of function or design.
To guarantee a perfect fit, the cut of the metal is consistently precise. The highest standards are used in manufacturing KENTE Aluminium Expanded Mesh products to make sure we stand out from the rest.

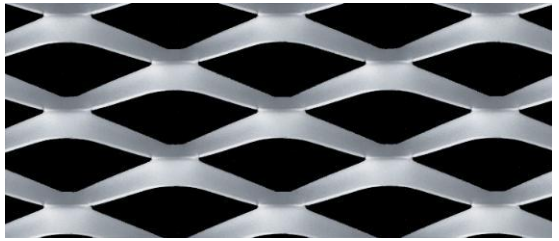
COATING AND COLOUR

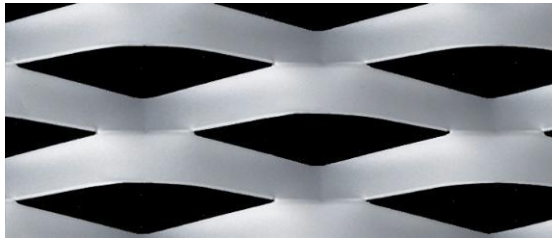
KENTE Aluminium Expanded Mesh is made from aluminium. The surface can be coated in a number of ways such as anodising, positive electrode, PVC metallic coating, powder coating, and liquid coating. After the coating process, the material becomes more durable and resistant to corrosion. The surface can also be presented in a spectrum of colours, adding to its usability and ability to realise our client's design vision and imagination.

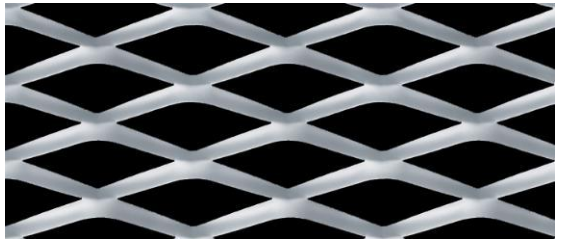



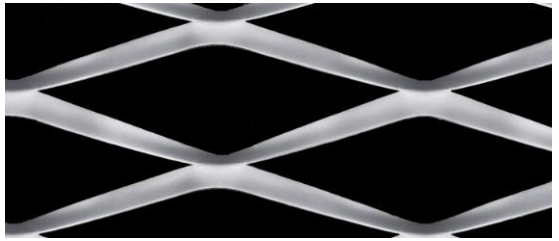

Product Code	SWD X LWD Mm	Thickness Mm	Strand width Mm	Steel Kg/m2	Aluminum Kg/m2	Max width of sheet Mm	Frontal open area aprox
AD1575	20X62	1.5	7.5	9.0	3.0	3000	36.2%
AD2075	20X62	2.0	7.5	12.0	4.0	3000	36.2%
AD3075	20X62	3.0	7.5	18.0	6.0	3000	36.2%
AD1590	25X62	1.5	9.0	8.4	2.9	3000	28%
AD2090	25X62	2.0	9.0	11.3	3.9	3000	28%
AD15110	35X76	1.5	11.0	7.4	2.55	3000	37%
AD20110	35X76	2.0	11.0	9.8	3.40	3000	37%
AD15200	48X115	1.5	20	9.70	3.20	3000	17%
AD20200	48X115	2.0	20	12.8	4.20	3000	17%
AD30200	48X115	3.0	20	19.3	6.40	3000	17%
AD15240	80X200	1.5	24	7.10	2.40	3000	40%
AD20240	80X200	2.0	24	9.40	3.20	3000	40%
AD30240	80X200	3.0	24	14.10	4.70	3000	40%
ADR25330	140X400	2.5	33	9.25	3.20	3000	52.9%
ADR30330	140X400	3.0	33	11.10	3.83	3000	52.9%



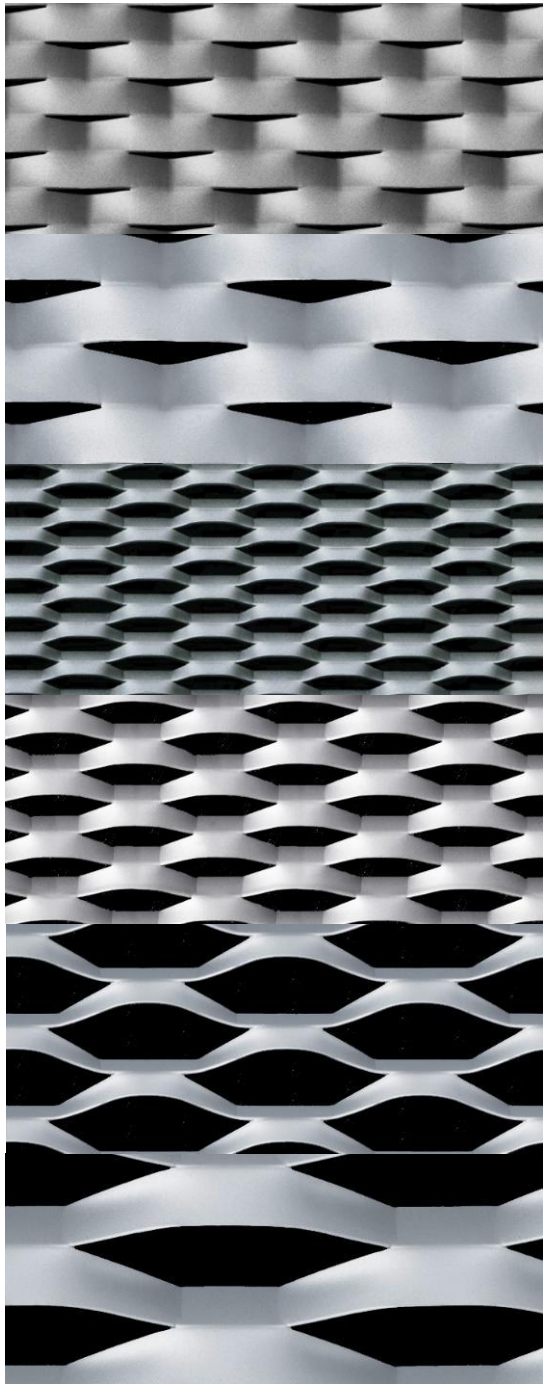








*All chart specifications may vary.Please inquire if they are critical to your application.

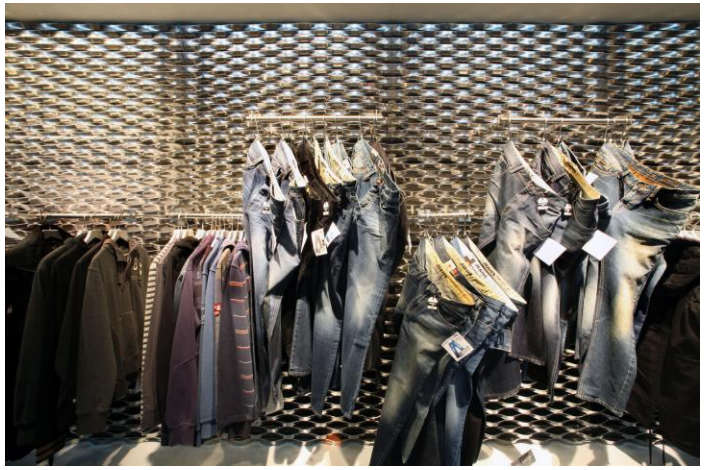


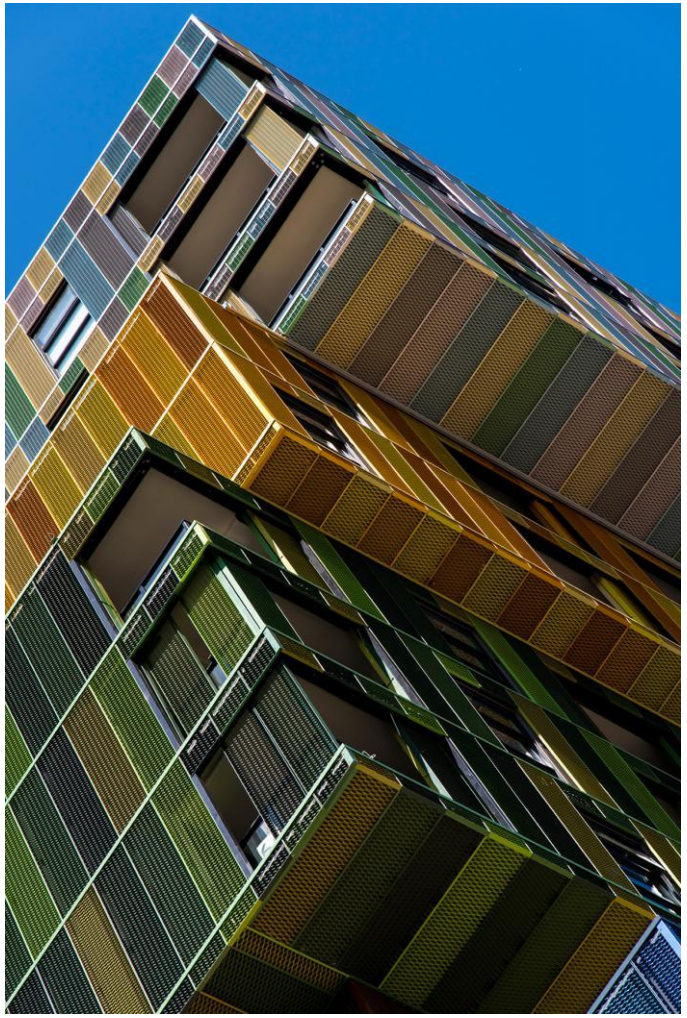
Product Code	SWD X LWD Mm	Thickness Mm	Strand width Mm	Steel Kg/m2	Aluminum Kg/m2	Max width of sheet Mm	Frontal open area aprox
ADC15140	28X62	1.5	14.0	11.70	3.90	3000	5.3%
ADC20140	28X62	2.0	14.0	15.60	5.20	3000	5.3%
ADC15140	38X90	1.5	18.0	11.0	3.60	3000	10%
ADC20140	38X90	2.0	18.0	14.60	4.80	3000	10%
ADS15050	13.4X45	1.5	5.0	8.80	3.00	3000	33.3%
ADS20050	13.4X45	2.0	5.0	11.60	4.00	3000	33.3%
ADS30050	13.4X45	3.0	5.0	17.50	6.00	3000	33.3%
ADS15100	26X70	1.5	10.0	9.00	3.10	3000	29%
ADS20100	26X70	2.0	10.0	12.00	4.20	3000	29%
ADS15100B	34X100	1.5	10.0	6.90	2.30	3000	51.5%
ADS20100B	34X100	2.0	10.0	9.30	3.10	3000	51.5%
ADS15150	34X100	1.5	15.0	10.30	3.40	3000	23.3%
ADS20150	34X100	2.0	15.0	13.70	4.50	3000	23.3%
ADS15215	56X100	1.5	21.5	9.30	3.10	3000	29.8%
ADS20215	56X100	2.0	21.5	12.40	4.20	3000	29.8%

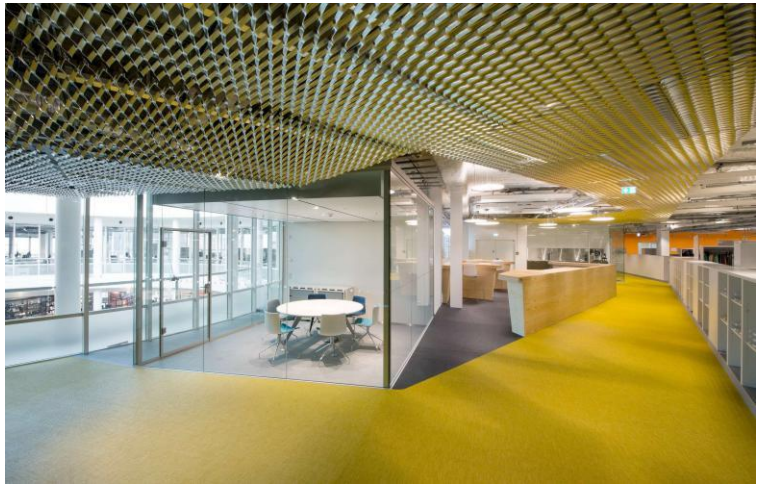
*All chart specifications may vary.Please inquire if they are critical to your application

APPLICATION

MAINLY USED FOR BUILDING DECORATION,CALDDING,FACADE,SUNSCREEN,CEILING,SHOP SHELF ETC...







PERFORATED SHEET

What is Perforated Sheet?

Simply stated, it is “metal with holes in it.” We are constantly working with the design community to createnew patterns.

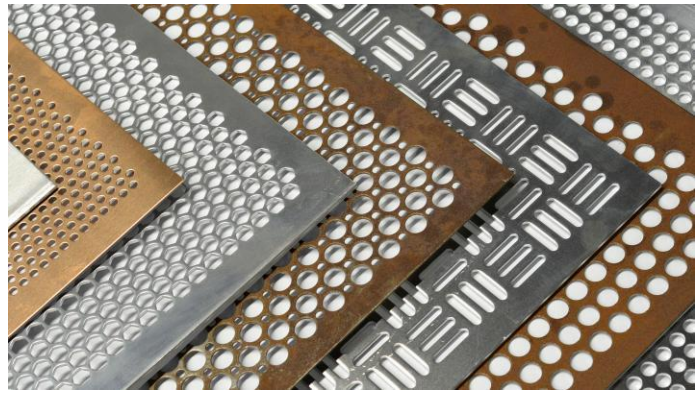
Our massive inventory of perforated punches will help achieve your design intent—from simplerounds, squares, slots, and hexagons to the more elaborate textured, embossed and image-transfer perforating.

> Sheets or coils are fed into the perforating press.
All scrap generated from the punching process is recycled

> Each perforating press can be fitted with a unique “punch”
dedicated to a particular pattern

> The machines are then programmed or manually controlled to ensure the material is perforated to the exact specification

> Special notches, margins, bends and bolt holes can also be added making the installation or mounting of the product simple



Perforated sheet information

Perforations

KENTE perforate a wide range of round, square, slotted, decorative and UNUSUAL shaped holes on special request. Recent investments allow for smaller and more economical batches of different specifications to be supplied.

Percentage open area

The more popular percentage open areas are between 20% and 60%, although more extreme open areas are available depending on the hole size.

Thickness

While the most popular range tends to be between 0.7mm and 12mm, we can perforate from 0.5 to 25mm thick.

Sheet Size

Our maximum perforating width is currently 2m (preferred width 1.5m) and our maximum length is 6m (preferred length 4m). Please note large sheets are more expensive to handle.

Material Types

We perforate Mild Steel, Pre Galvanised Steel, Stainless Steel, Aluminium, and Brass. Plastics and PVC's by special request.

Material Finishes

Mild Steel – Galvanised, Electro Plated and Powder coating
Stainless Steel – Mill finish, brushed, bright annealed or Electro polished.
Aluminium – Mill finish, Powder coating,PVDF or Anodizing.
Brass and Copper – Polished and painted.

Margins or Blank Areas

when perforating your orders, margins can be left on sheets. Please remember that the complexity of the blank areas on the sheet determines the type of machine used for perforating. Complex margins are generally perforated on machines that operate at lower speeds and may work out more expensive.

Bolt Holes

can be included on made-to-order sheets.

General Fabrication

We offer a cutting,folding, notching and welding service for those who cannot fabricate themselves.

Galvanising

To extend the lifespan of mild steel, it can be hot dipped galvanised after manufacture. The large ratio of surface area to mass in combination with the temperature differences on localised areas of a sheet contributes to uneven expansion and contraction leading to distortion.

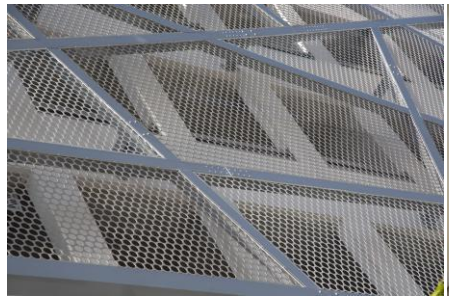
To reduce the amount of relative distortion on a sheet it is important to keep the following in mind.

Sheet size – the smaller the sheet the less noticeable the distortion

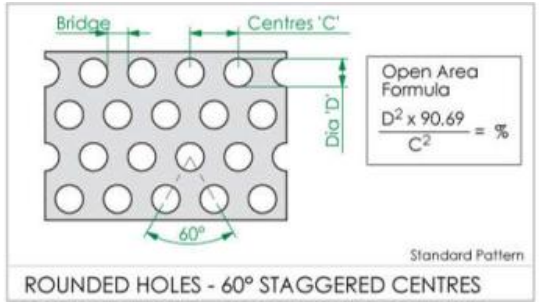
Sheet thickness – the thicker the sheet the better

Open area – a lower open area is desirable

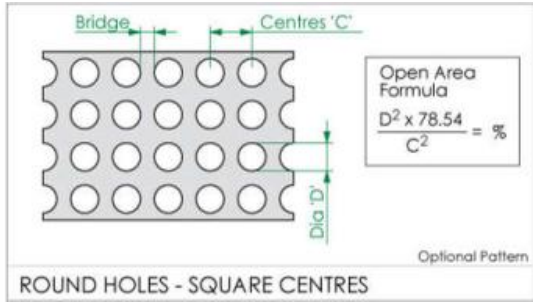
Welding – Welding perforated sheet to framing complicates the problem of keeping distortion to a minimum. If perforated sheet is welded to a frame, the frame can expand and contract at a different rate to the sheet. Galvanising safety instructions should be adhered to regarding welding.



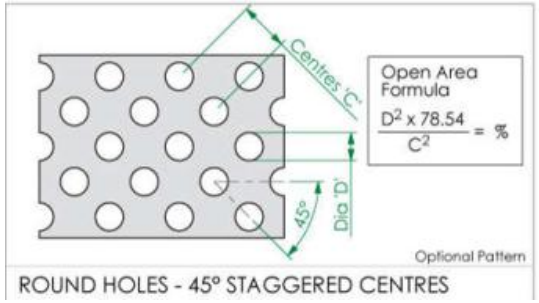
Perforated sheet open area



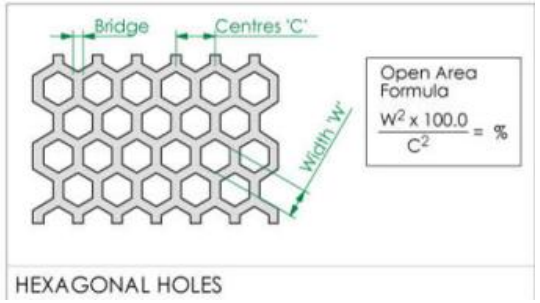
ROUNDED HOLES - 60° STAGGERED CENTRES



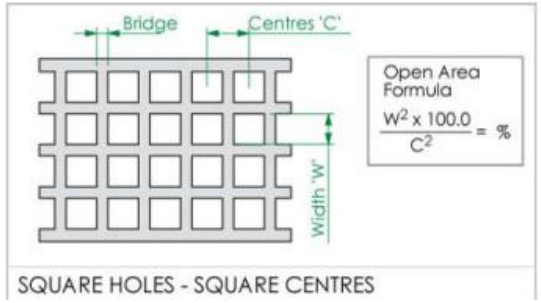
ROUND HOLES - SQUARE CENTRES



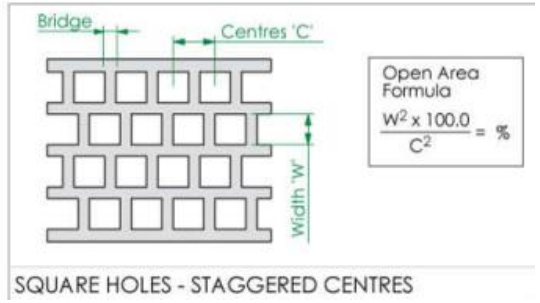
ROUND HOLES - 45° STAGGERED CENTRES



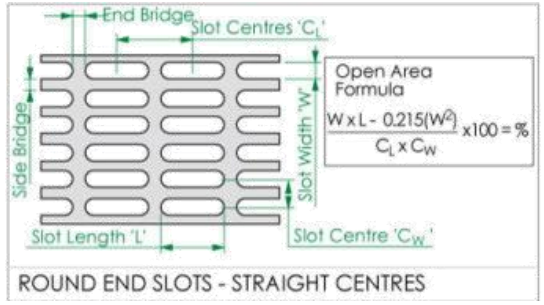
HEXAGONAL HOLES



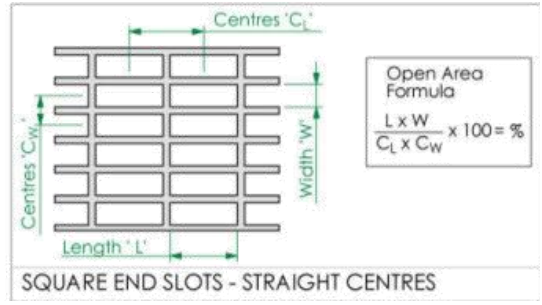
SQUARE HOLES - SQUARE CENTRES



SQUARE HOLES - STAGGERED CENTRES



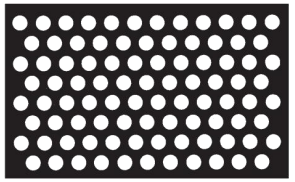
ROUND END SLOTS - STRAIGHT CENTRES

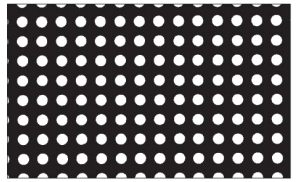


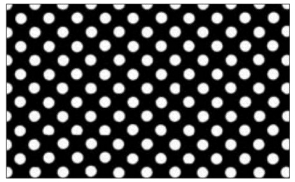
SQUARE END SLOTS - STRAIGHT CENTRES

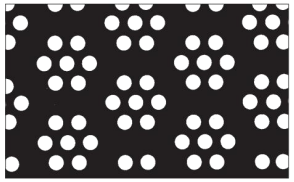
Perforating Possibilities

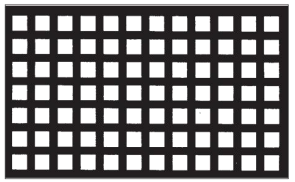
We illustrate a small selection from our wide range of patterns. We can perforate almost any shape that you desire but special tooling may have to be charged for. Some of the unusual perforations tend to take longer to manufacture. Our in-house tool room allows us to produce new tools to suit your requirements. Please contact us for details.

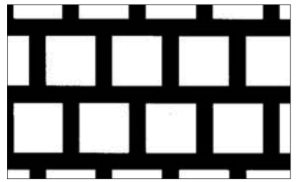

Round 60 degree staggered pitch


Round 90 degree pitch

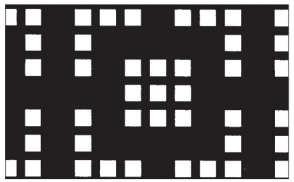

Round 45 degree pitch

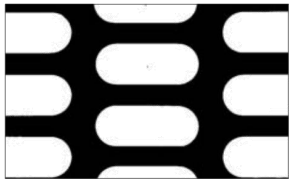

Round floral pattern

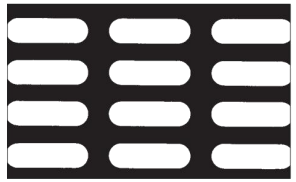

Square 90 degree pitch

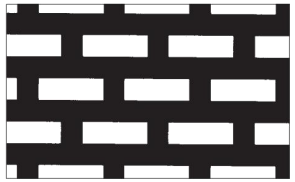

Square 60 degree staggered pitch

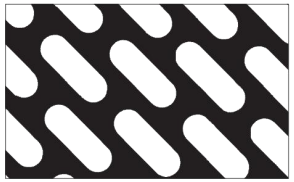

Square 45 degrees

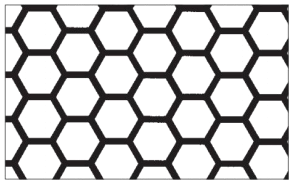

Square Patterned


Round Ended Slotted end staggered

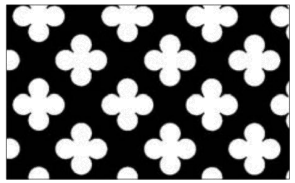

Round Ended Slotted rectangular pitch

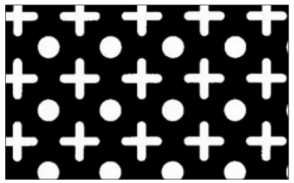

Square ended slotted side staggered


Round ended slotted side staggered at 45 degrees

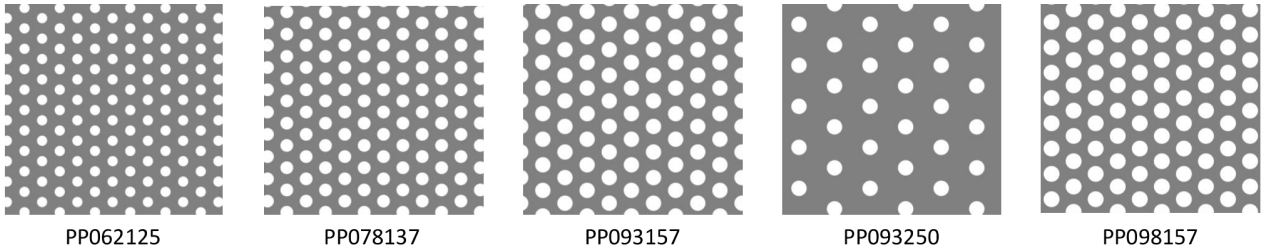

Standard Hexagonal


Diamond


Club


Cross and Round

Standard Perforated Sheet

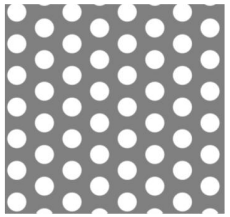

PP062125

PP078137

PP093157

PP093250

PP098157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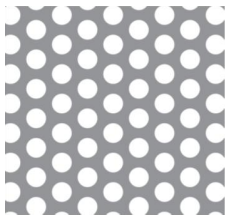
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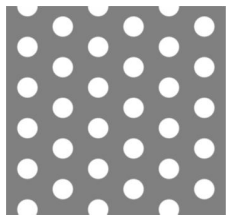
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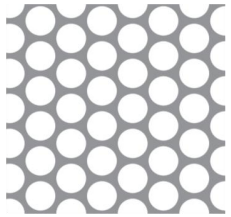
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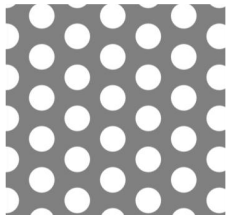
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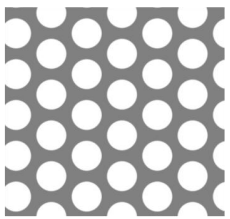
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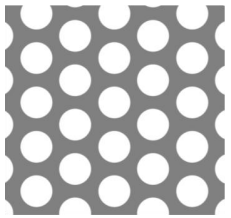
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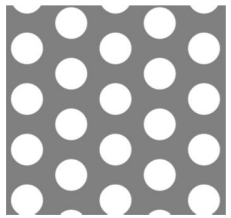
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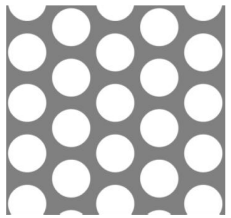
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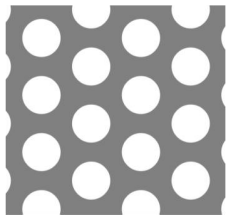
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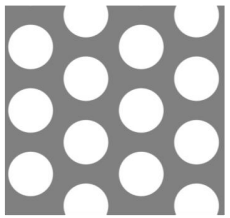
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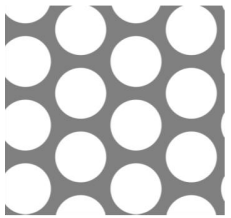
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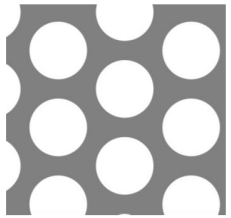
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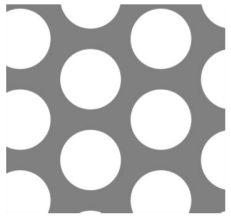
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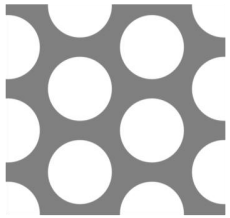
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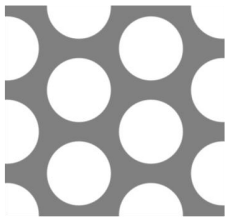
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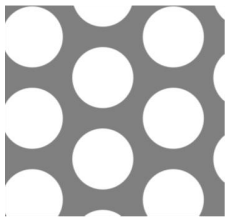
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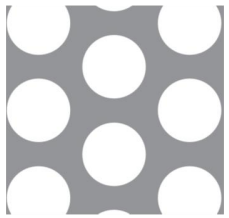

PP500687


PP7501000

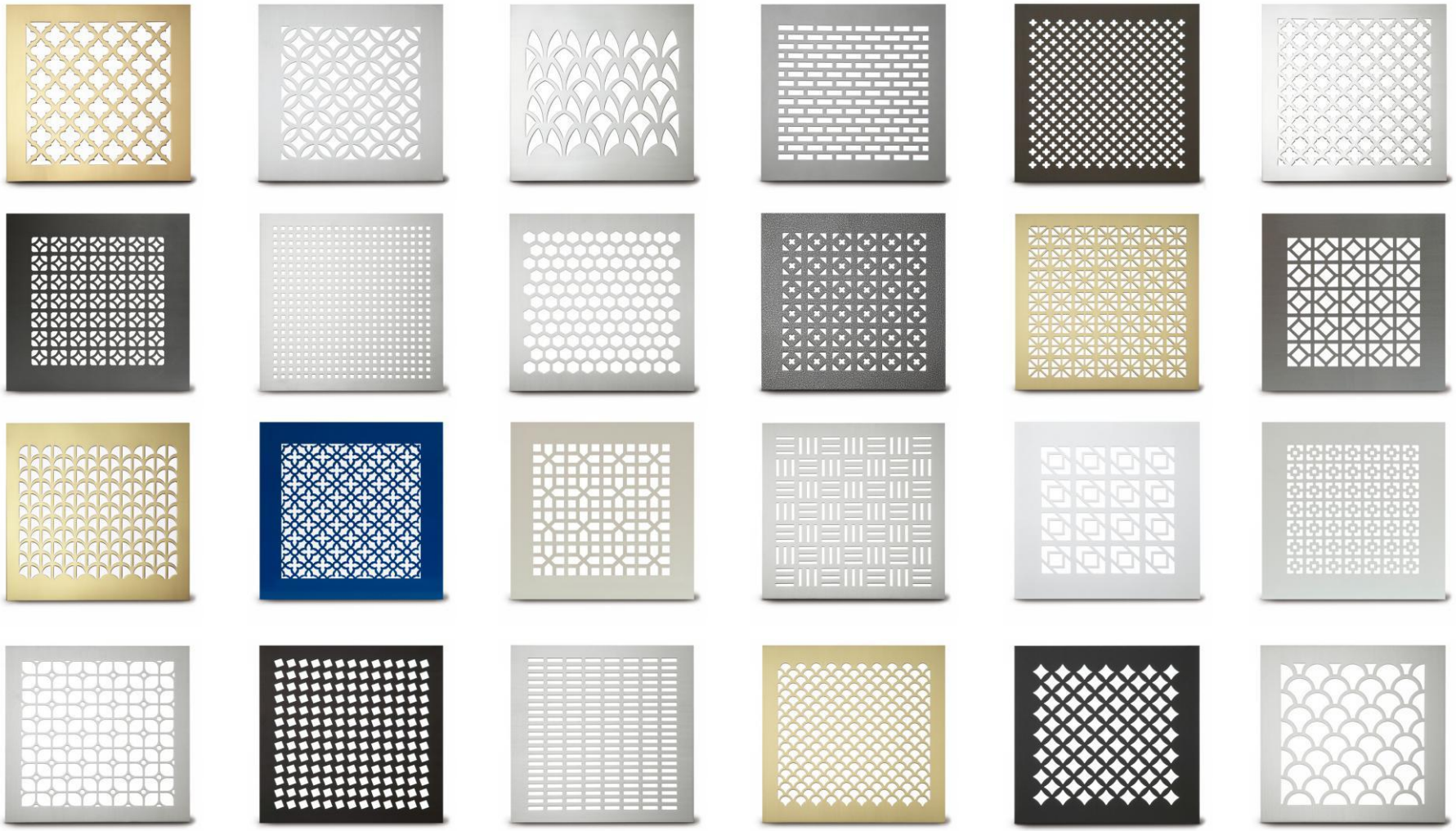

PP10001500

*Other different types please contact us for more details

Product Code	Hole Diameter	Max material thickness	Pitch	Open Area
PP062125	1.6	1.5	3.2	22
PP078137	2.0	1.5	3.5	29
PP093157	2.4	1.5	4.0	32
PP093250	2.4	4.0	6.35	13
PP098157	2.5	1.5	4.0	35
PP118196	3.0	2.0	5.0	32
PP125187	3.2	1.5	4.7	41
PP125250	3.2	3.2	6.35	23
PP157187	4.0	0.75	4.75	64
PP157250	4.0	2.4	6.35	36
PP187250	4.7	1.7	6.35	51
PP196275	5.0	2.0	7.0	46
PP196314	5.0	3.0	8.0	35
PP236314	6.0	2.0	8.0	51
PP236354	6.0	3.0	9.0	40
PP275393	7.0	3.0	10.0	44

KENTE MESH MANUFACTURE CO.,LIMITED

Architectural/Decorative/Customized Perforated sheet



Any other special design please contact us,we can as your own design to produce it,make you satified.

Perforated Safety Grating

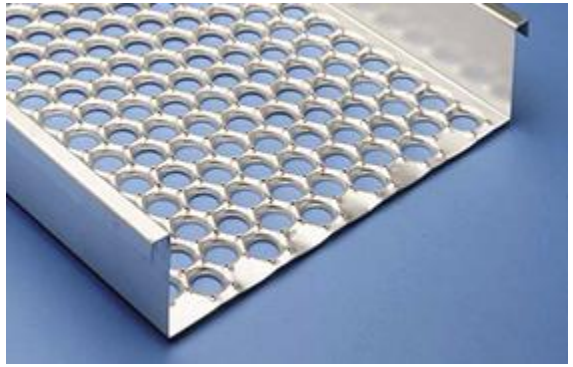
Material:Carbon steel(mild steel),Alloy-Aluminum,Galvanized steel,Stainless steel

Characteristics:with non-slip,anti-rust,anti-corrosion,durable features and beautiful appearance.

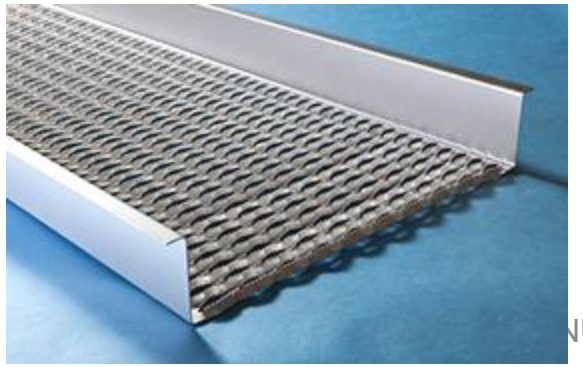
Punching hole type with raised herringbone,raised crosswire,round,crocodile lips type,tear-type.

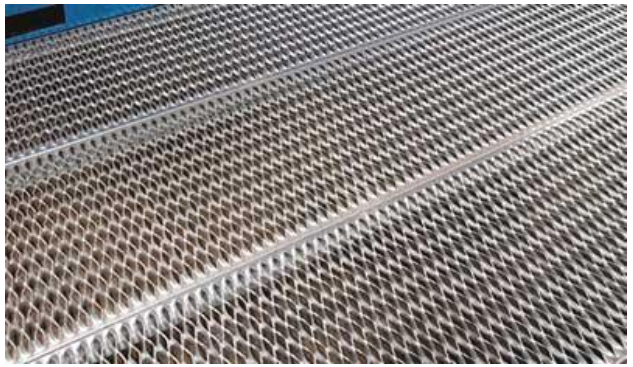
These hole types are all CNC punching holes.

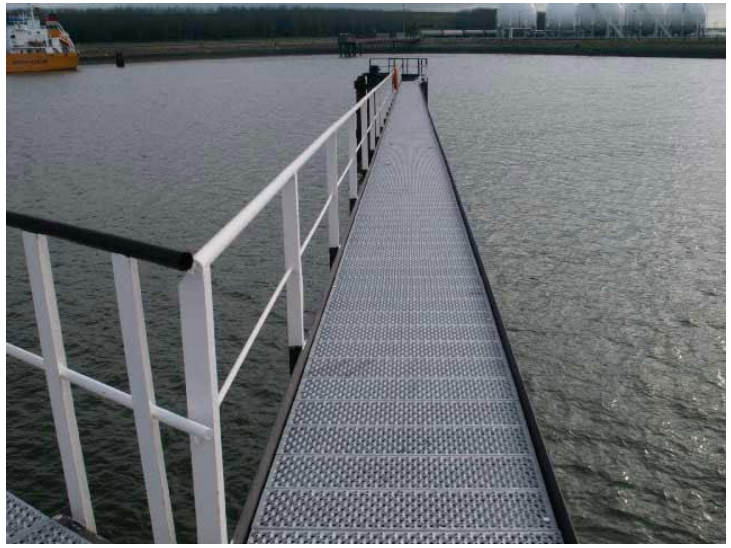
Application:It's applies to secure channel,platform,stair treads in sewage treatment,waterworks,Power plant,prospecting instrument and other particular environment.









KENTE MESH MANUFACTURE CO.,LIMITED

Consultation:Kente people are full of enthusiasm,regardless of your order is large or small,we will take it seriously.All products that have not been inspected will not be delivered.Kente team will provide you with the best service and quality.

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