MESHTEC
Advanced Mesh Solutions

Perforated Metal

"Design For the Future Lifestyle"

Meshtec Perforated Metal

Meshtec is a global innovative and revolutionary manufacturer of premium quality high tensile stainless steel woven mesh and perforated metal for residential and commercial security screens, industrial applications, architectural design and building construction.

Our expert engineering team have invested countless hours in research and development on Meshtec Perforated Metal and undertake quality control through every step of manufacturing process. Meanwhile, architectural structures are enhanced aesthetically and augmented functionally to meet our customers' specific requirement.

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The Multiple Usage of Perforated Metal

- Façade Cladding
- Staircase
- Ceiling
- Interior Wall Surface Panel
- Roof Exterior
- Fencing
- Balustrade
- Manufacturing
- Furniture

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Standard Perforated Patterns

No.	Pattern Code	Shape	Hole Diameter (mm)	Pitch (mm)	Open Area (%)	Max Width
1	R2-T3-O1	Round	2.00	3.00	40.30	2000 mm.
2	R2.38 -T3.57-O1	Round	2.38	3.57	40.40	1500 mm.
3	R2.06-T3.1-O1	Round	2.06	3.10	40.14	1500 mm.
4	R2.38-M6.74-O1	Round	2.38	6.74	9.79	1500 mm.
5	R6.35-T7.94-O1	Round	6.35	7.94	58.13	1500 mm.
6	R3.25-T5.59-O1	Round	3.25	5.59	30.72	1500 mm.
7	R9.5-T12.7-O1	Round	9.50	12.70	50.86	1500 mm.
8	R8-T11.11-O1	Round	8.00	11.11	47.13	1200 mm.
9	R9.5-T14.27-O1	Round	9.50	14.27	40.28	1200 mm.
10	R12.7-T17.3-O1	Round	12.70	17.30	48.98	1200 mm.
11	R3.17-T4.76-O1	Round	3.17	4.76	40.31	1200 mm.
12	R4.8-T6.35-O1	Round	4.80	6.35	51.93	1200 mm.
13	CD5.56-U12.7x12.7-O1	Diamond	7.70	12.70	19.17	1200 mm.
14	R1.6-T2.5-O1	Round	1.60	2.50	37.23	1200 mm.
15	R6.35-T9.53-O1	Round	6.35	9.53	40.35	1200 mm.
16	R4.8-T6-O1	Round	4.80	6.00	58.17	1200 mm.
17	R3.17-T5.56-O1	Round	3.17	5.56	29.55	1200 mm.
18	LR7.62x20.23-Z30.5x25.23-O1	Cylinder	7.62	25.23	36.82	900 mm.
19	R4-T7.62-O1	Round	4.00	7.62	25.05	650 mm.

Standard Perforated Patterns

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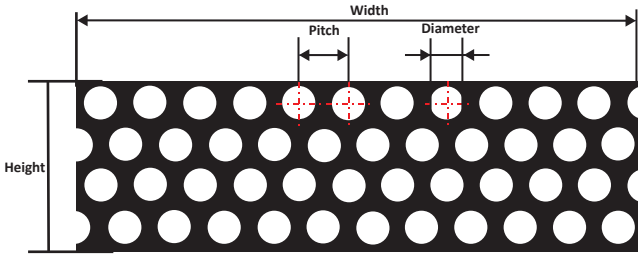
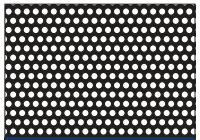
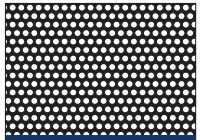


Material: Aluminium 5005 1.6 mm thickness
Aluminium 5052 1.2 mm thickness

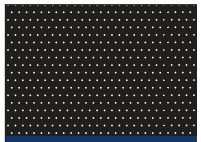


R2-T3-O1
Dia 2.00 Pitch 3.00
Open Area 40.30 %
Max Width 2000 mm

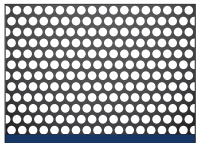


R2.38 -T3.57-O1
Dia 2.38 Pitch 3.57
Open Area 40.40 %
Max Width 1500 mm

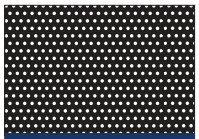
R2.06-T3.1-O1
Dia 2.06 Pitch 3.10
Open Area 40.14 %
Max Width 1500 mm



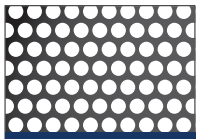
R2.38-M6.74-O1
Dia 2.38 Pitch 6.74
Open Area 9.79 %
Max Width 1500 mm



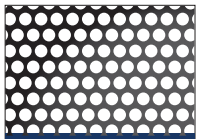
R6.35-T7.94-O1
Dia 6.35 Pitch 7.94
Open Area 58.13 %
Max Width 1500 mm



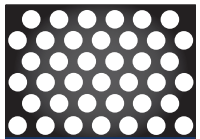
R3.25-T5.59-O1
Dia 3.25 Pitch 5.59
Open Area 30.72 %
Max Width 1500 mm



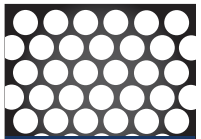
R9.5-T12.7-O1
Dia 9.50 Pitch 12.70
Open Area 50.86 %
Max Width 1500 mm



R8-T11.11-O1
Dia 8.00 Pitch 11.11
Open Area 47.13 %
Max Width 1200 mm

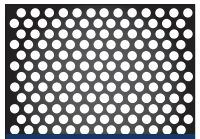


R9.5-T14.27-O1
Dia 9.50 Pitch 14.27
Open Area 40.28%
Max Width 1200 mm



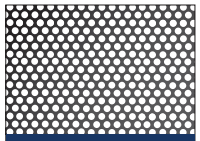
R12.7-T17.3-O1
Dia 12.70 Pitch 17.30
Open Area 48.98 %
Max Width 1200 mm

R3.17-T4.76-O1
Dia 3.17 Pitch 4.76
Open Area 40.31%
Max Width 1200 mm

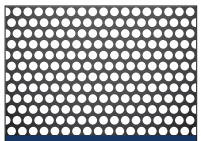


R4.8-T6.35-O1
Dia 4.80 Pitch 6.35
Open Area 51.93 %
Max Width 1200 mm

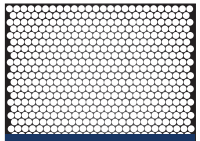
CD5.56-U12.7x12.7-O1
Dia 7.70 Pitch 12.70
Open Area 19.17 %
Max Width 1200 mm



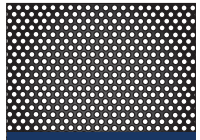
R1.6-T2.5-O1
Dia 1.60 Pitch 2.50
Open Area 37.23 %
Max Width 1200 mm



R6.35-T9.53-O1
Dia 6.35 Pitch 9.53
Open Area 40.35 %
Max Width 1200 mm

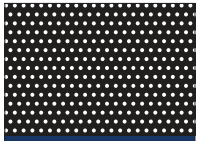


R4.8-T6-O1
Dia 4.80 Pitch 6.00
Open Area 58.17 %
Max Width 1200 mm



R3.17-T5.56-O1
Dia 3.17 Pitch 5.56
Open Area 29.55 %
Max Width 1200 mm

LR7.62x20.23 - Z30.5x25.23-O1
Dia 7.62 Pitch 25.23
Open Area 36.82 %
Max Width 900 mm

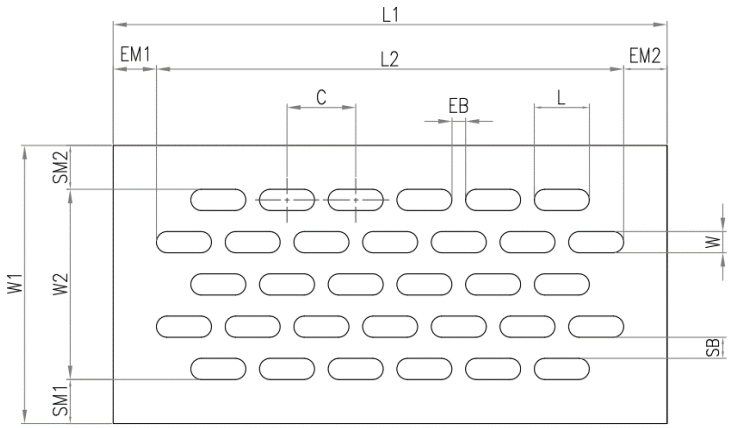


R4-T7.62-O1
Dia 4.00 Pitch 7.62
Open Area 25.05 %
Max Width 650 mm

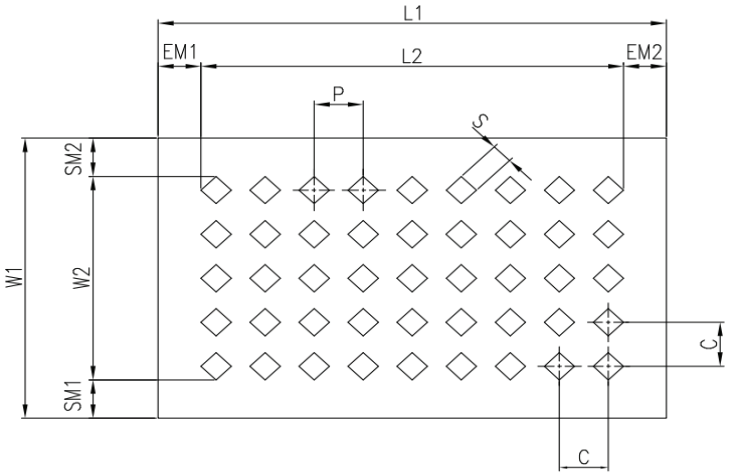
PERFORATED METAL

Orientation

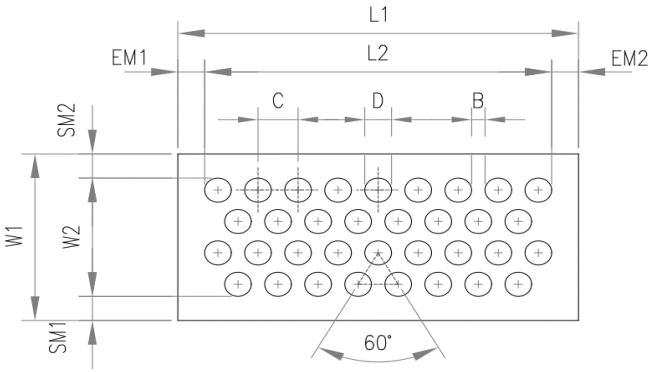
ROUND END SLOT - Staggered Centres



SQUARE ON DIAGONAL HOLES



ROUND HOLES - 60° Staggered Centres



L1 : LENGTH OF SHEET
L2 : LENGTH OF PERFORATRED AREA
EM1 : END MARGIN - 1
EM2 : END MARGIN - 2
W1 : WIDTH OF SHEET
W2 : WIDTH OF PERFORATED AREA
SM1 : SIDE MARGIN - 1
SM2 : SIDE OF MARGIN - 2
L : LENGTH OF SLOT
W : WIDTH OF SLOT
EB : END BRIDGE
SB : SIDE BRIDGE
B : BRIDGE
C : CENTRES
D : HOLE DIAMETER
S : SQUARE HOLE SIZE
P : PITCH

Design for the future lifestyle

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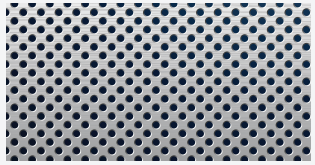
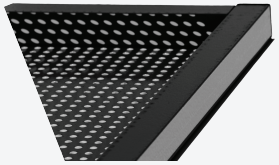
Machining service

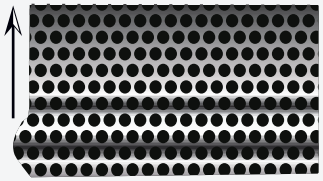
Perforating



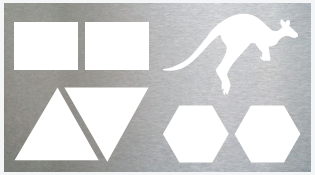
Bending



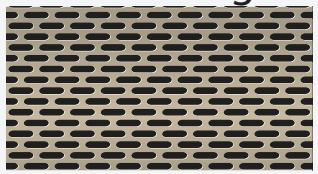
Straightening



Laser cutting

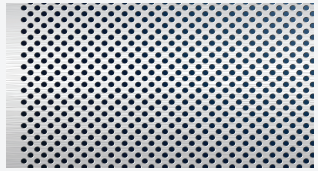


Anodising

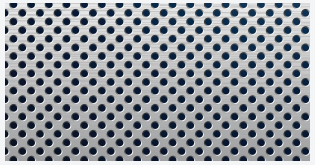


Notching

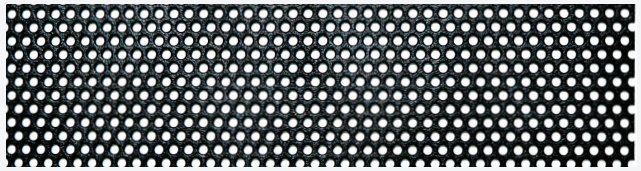
De-burring



De-greasing



Powder Coating



Surface Finishing

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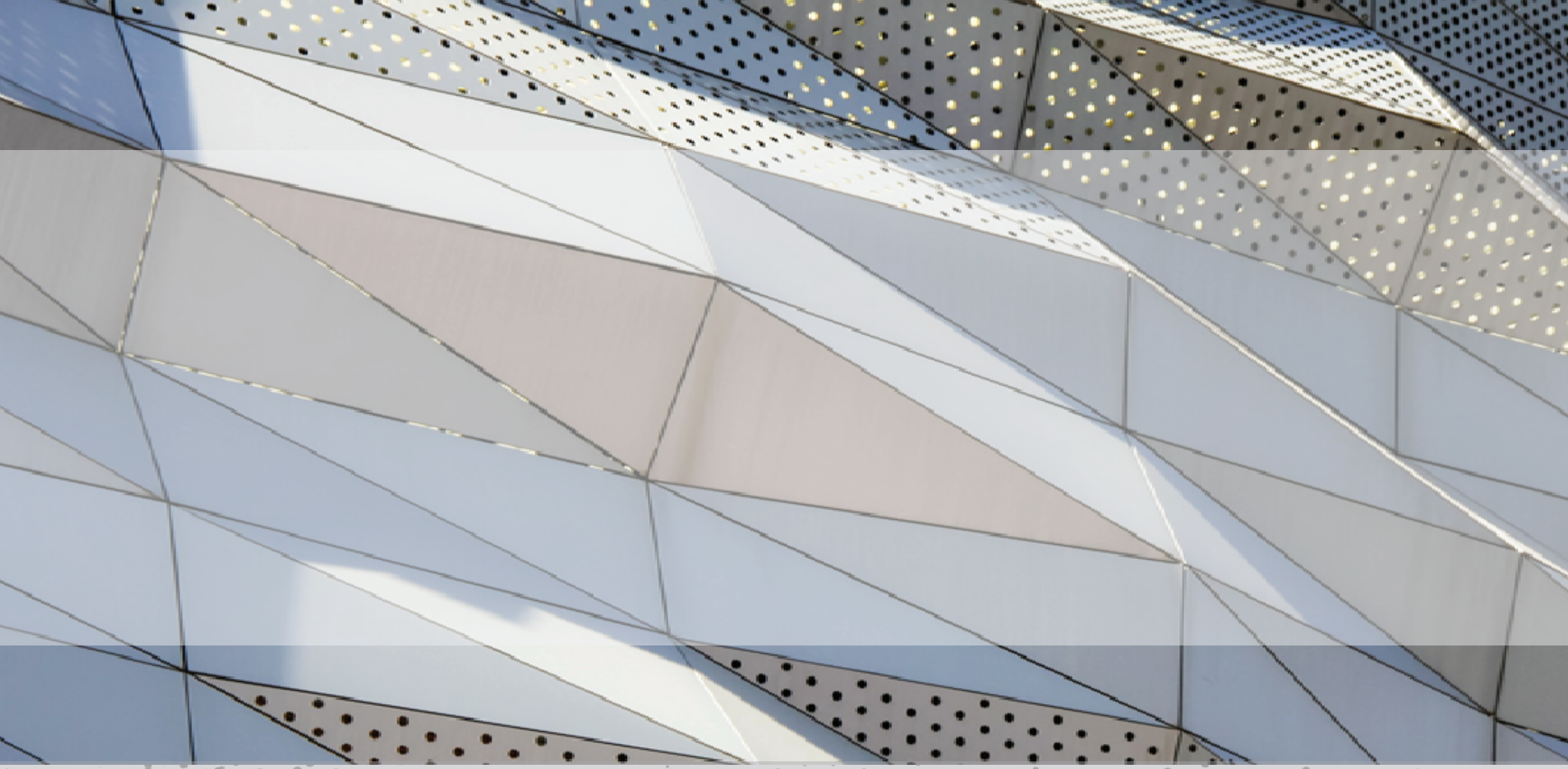
Create your own style with custom powder coating colours.



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