



A1 Metal Mesh Screens

www.A1METALMESHSCREENS.com

PERFORATED METAL



PERFORATION PROFILES

Open Area Formula

$$\frac{D^2 \times 90.69}{C^2} = \%$$

Standard Pattern

ROUNDED HOLES - 60° STAGGERED CENTRES

Open Area Formula

$$\frac{D^2 \times 78.54}{C^2} = \%$$

Optional Pattern

ROUND HOLES - SQUARE CENTRES

Open Area Formula

$$\frac{D^2 \times 78.54}{C^2} = \%$$

Optional Pattern

ROUND HOLES - 45° STAGGERED CENTRES

Open Area Formula

$$\frac{W^2 \times 100.0}{C^2} = \%$$

HEXAGONAL HOLES

Open Area Formula

$$\frac{W^2 \times 100.0}{C^2} = \%$$

SQUARE HOLES - SQUARE CENTRES

Open Area Formula

$$\frac{W^2 \times 100.0}{C^2} = \%$$

SQUARE HOLES - STAGGERED CENTRES

Open Area Formula

$$\frac{W \times L - 0.215(W^2)}{C_L \times C_W} \times 100 = \%$$

ROUND END SLOTS - STRAIGHT CENTRES

Open Area Formula

$$\frac{L \times W}{C_L \times C_W} \times 100 = \%$$

SQUARE END SLOTS - STRAIGHT CENTRES

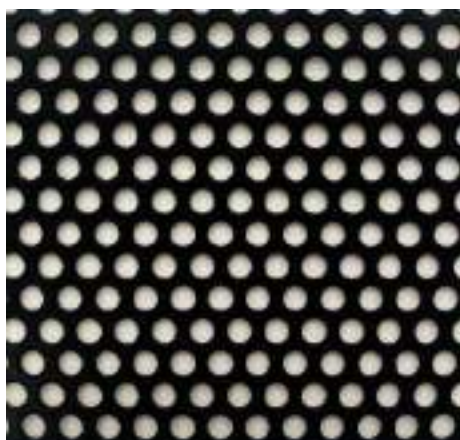


APPLICATIONS

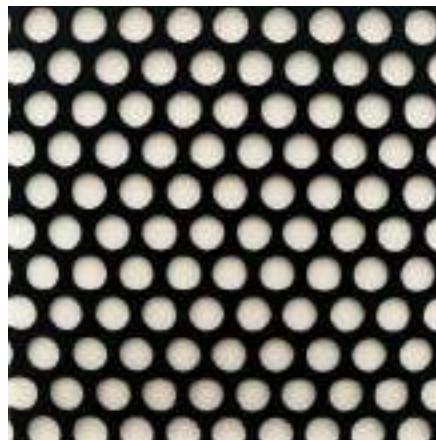




STANDARD PERFORATION PROFILES



Ø: 6mm P: 9mm OA: 40%



Ø: 8mm P: 10mm OA: 58%



Ø: 2.5mm P: 10mm OA: 11%



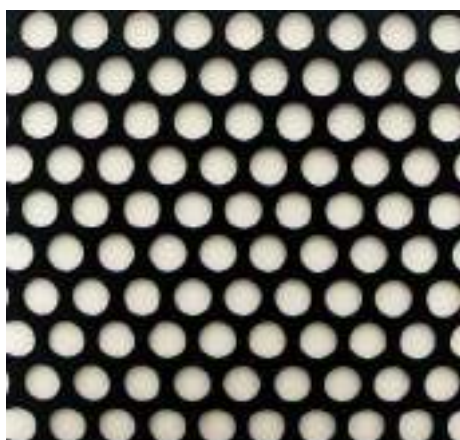
Ø: 5mm P: 7mm OA: 46%



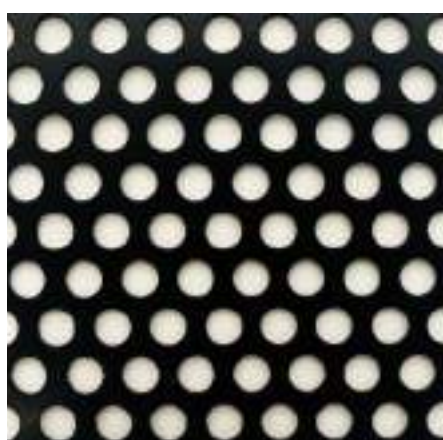
Ø: 4mm P: 7mm OA: 30%



Ø: 8mm P: 11mm OA: 48%



Ø: 10mm P: 15mm OA: 40%



Ø: 12mm P: 17mm OA: 45%



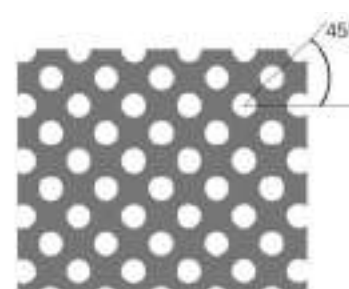
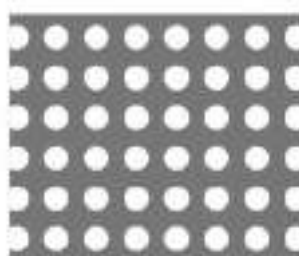
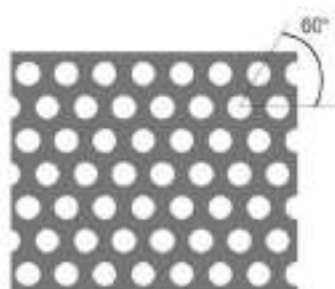
Ø: 10mm P: 14mm OA: 46%



OUR PERFORATED METAL RANGE

Hole Diameter (mm)	Centres/ Pitch (mm)	Open Area (%)	Sheet Thickness (mm)							
			0.5	0.8	0.9	1.0	1.5	1.6	2.0	3.0
0.50	1.20	16								
0.76	1.50	23								
1.00	2.00	23								
1.60	2.50	37								
1.60	2.54	36								
2.00	3.00	40								
2.00	3.50	30								
2.00	4.00	23								
2.54	3.59	45								
3.00	4.00	51								
3.00	5.00	33								
3.00	6.00	23								
4.00	6.00	40								
4.00	6.50	34								
4.00	8.00	23								
5.00	7.00	46								
6.00	8.50	45								
6.00	9.00	40								
8.00	10.00	58								
8.00	12.00	40								
10.00	13.00	54								
10.00	15.00	40								
12.00	17.00	45								
19.00	25.00	52								

- MILD STEEL, GAL BOND SHEETS AVAILABLE IN SIZE 1220mm x 2440mm
- ALUMINIUM SHEETS AVAILABLE IN SIZE 1200mm x 2400mm
- STAINLESS STEEL (304 & 316 GRADE) SHEETS AVAILABLE IN 1000mm x 2000mm
- SQUARE & HEXAGON PROFILES ALSO AVAILABLE



Custom hole diameter specifications can be manufactured upon request with additional lead time and base level quantity requirements.



SPECIAL PROFILES

Code	Picture	Material, Size Thick (mm)	Perf. Spec.
A1DP01		Gal bond 1.2x24mt x1.2	
		MS 1.2x2.4mt x1.2	
		SS04 1.2x2.4mt x1.0	
A1DP02		Gal bond 1.2x24mt x1.2	
		MS 1.2x2.4mt x1.2	
		SS04 1.2x2.4mt x1.0	
A1DP03		Gal bond 1.2x24mt x1.2	
		MS 1.2x2.4mt x1.2	
		SS04 1.2x2.4mt x1.0	
		Margin on long side:8.6 margin on short side:12.7	
A1DP04		Gal bond 1.2x24mt x1.2	
		MS 1.2x2.4mt x1.2	
		SS04 1.2x2.4mt x1.0	



A1DP05		Gal bond 1.2x24mt x1.2	
		MS 1.2x2.4mt x1.2	
		SS04 1.2x2.4mt x1.0	
A1DP06		Gal bond 1.2x24mt x1.2	
		MS 1.2x2.4mt x1.2	
		SS04 1.2x2.4mt x1.0	S1=10, S2=14.14, BAR=4 Open Area=51%

HOW TO ORDER A PERFORATED SHEET?

Please tell us

- Material
- Sheet thickness
- Hole Size/ Diameter
- Open Area

Note: We can also supply custom cut-to size sheets and also offer custom perforation as per your requirements.



Metal Mesh Screens

WE ALSO DO PICTURE PERFORATIONS ON METAL



Give us a CALL on **(03) 8714 9658** to know more



9, Network Drive,
Truganina, VIC 3029

W: www.a1metalmeshscreens.com

E: info@a1metalmeshscreens.com



@a1metalmeshscreens



@a1metalmeshscreens



@a1metalmesh

Email: info@a1metalmeshscreens.com | Web: www.a1metalmeshscreens.com