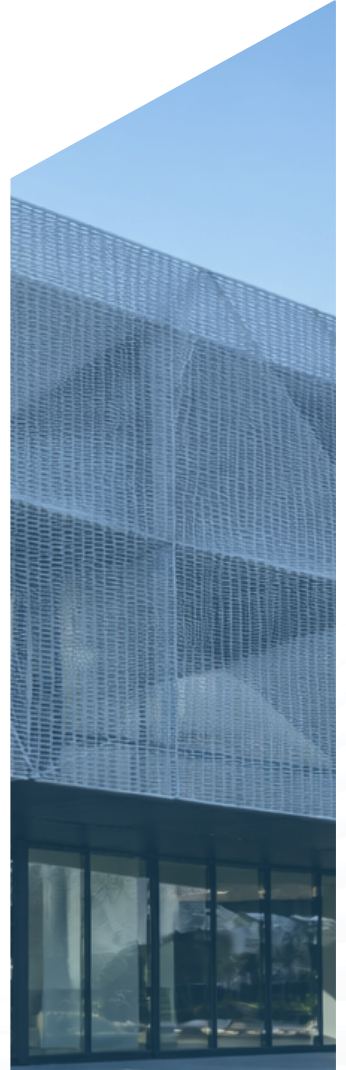
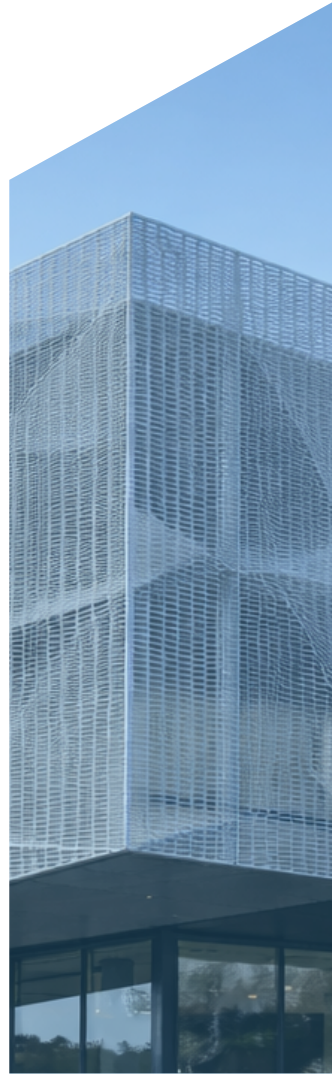
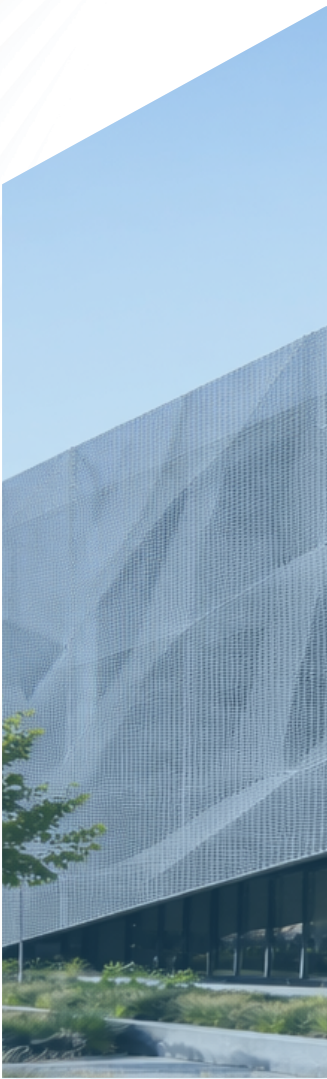




NP ALUNEX
(CAMBODIA) CO., LTD

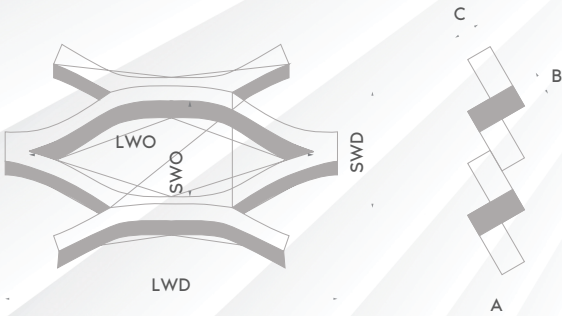


EXPANDED METAL MESH
CATALOG 

NP Alunex Expanded Mesh: High-Strength, Lightweight, and Sustainable. Our expanded metal sheets are manufactured without material loss, offering a cost-effective alternative to perforated metal. During the expansion process, the material can lose up to 80% of its initial weight per square meter yet remains exceptionally rigid and structurally sound. NP Alunex provides a diverse portfolio of patterns and premium-quality finishes, delivering durability and performance for industrial applications.

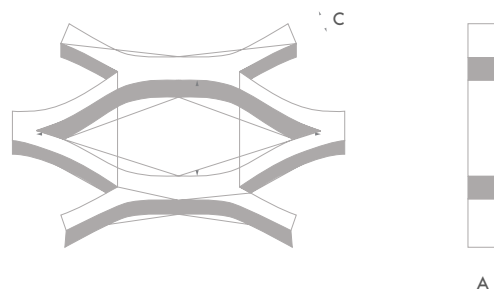
EXPANDED PATTERN PARAMETER

REGULAR EXPANDED METAL



- A: OVERALL THICKNESS
- B: STRAND THICKNESS
- C: STRAND WIDTH

FLATTENED EXPANDED METAL



- A: OVERALL THICKNESS & STRAND THICKNESS
- C: STRAND WIDTH

Regular expanded metal that has been run through flattening rolls (cold rolled) is known as flattened expanded metal. Through the rolling process, the metal sheet's thickness is decreased, its pattern is stretched, and a smooth, flat finish is produced.

PATTERN ORIENTATION



- LWO (Long way of opening) parallel to length of sheet
- LWO (Long way of opening) parallel to width of sheet

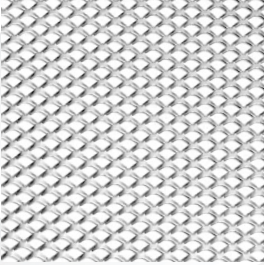


DIMENSIONS

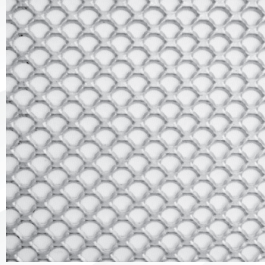
Expanded metal sheets come in several standard dimensions, with common choices balancing material efficiency, cost-effectiveness, and compatibility with standard framing systems. Our range offers both widely-available standard and custom sizes.

Thickness	Regular Size	Tolerance	Edge	Weight
0.5mm-10mm	1000mmx2000mm 1219mmx2438mm 1219mmx3048mm 1500mmx3000mm Custom: Width<=3500mm Length<=6000mm	±0.3%	Mill, Slit	Aluminum: 2.8 g/cm ³ Stainless Steel: 7.93-7.98 g/cm ³ Carbon Steel: 7.85 g/cm ³ Brass: 8.4-8.92 g/cm ³

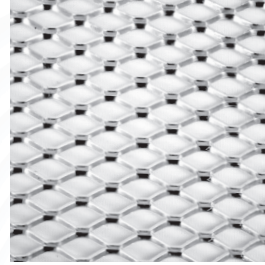
DIAMOND PATTERN ILLUSTRATION



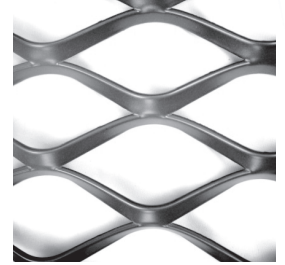
MODEL: HJA-05610
Thickness=0.5mm
Strand width=1.6mm
SWDxLWD=6x10mm
Open area=50%



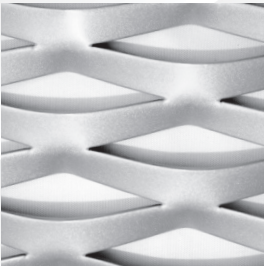
MODEL: HJA-1810
Thickness=1.0mm
Strand width=1.5mm
SWDxLWD=8x10mm
Open area=60%



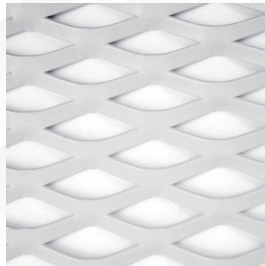
MODEL: HJA-1816
Thickness=1.0mm
Strand width=2.2mm
SWDxLWD=8x16mm
Open area=42%



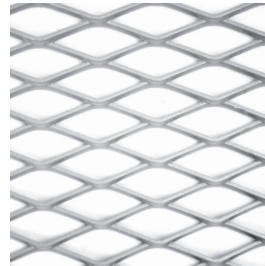
MODEL: HJA-48100
Thickness=3.0mm
Strand width=10mm
SWDxLWD=48x100mm
Open area=55%



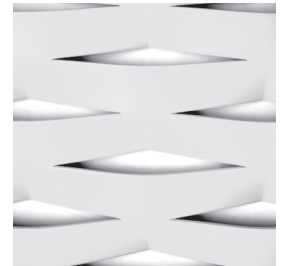
MODEL: HJA-2565
Thickness=2.0mm
Strand width=9.0mm
SWDxLWD=25x65mm
Open area=25%



MODEL: HJA-21840
Thickness=2.0mm
Strand width=4.8mm
SWDxLWD=18x40mm
Open area=43%

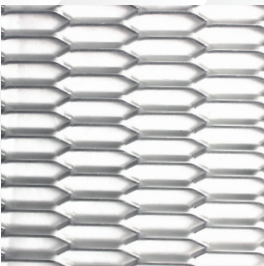


MODEL: HJA-1540
Thickness=1.5mm
Strand width=2.8mm
SWDxLWD=15x40mm
Open area=60%

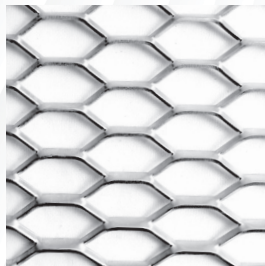


MODEL: HJA-65150
Thickness=3.0mm
Strand width=30mm
SWDxLWD=65x150mm
Open area=8%

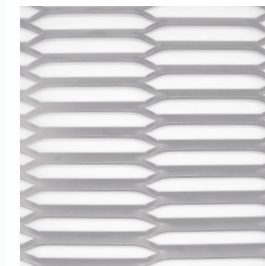
HEXAGON PATTERN ILLUSTRATION



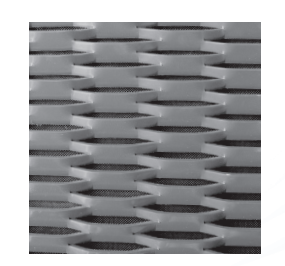
MODEL: HJAL-1580
Thickness=3.0mm
Strand width=4.0mm
SWDxLWD=15x80mm
Open area=45%



MODEL: HJAL-2570
Thickness=2.5mm
Strand width=5.0mm
SWDxLWD=25x70mm
Open area=55%



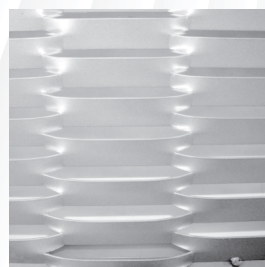
MODEL: HJAL-25220
Thickness=3.0mm
Strand width=7.5mm
SWDxLWD=25x220mm
Open area=35%



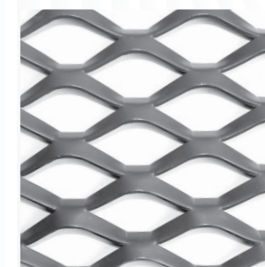
MODEL: HJAL-33120
Thickness=3.0mm
Strand width=15mm
SWDxLWD=33x120mm
Open area=10%



MODEL: HJAL-34135
Thickness=5.0mm
Strand width=10mm
SWDxLWD=34x135mm
Open area=40%



MODEL: HJAL-35230
Thickness=2.0mm
Strand width=15mm
SWDxLWD=35x230mm
Open area=12%



MODEL: HJAL-4080
Thickness=3.0mm
Strand width=10mm
SWDxLWD=40x80mm
Open area=48%



MODEL: HJAL-45155
Thickness=3.0mm
Strand width=10mm
SWDxLWD=45x155mm
Open area=52%

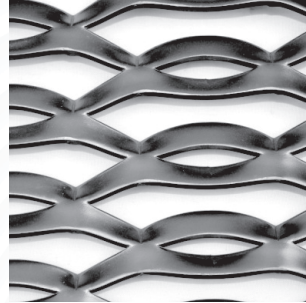
ORNAMENTAL PATTERN ILLUSTRATION



MODEL: HJAX-10012
Thickness=2.0mm
Strand width=2.0mm
SWDxLWD=12x100mm
Open area=65%



MODEL: HJAX-12100
Thickness=3.0mm
Strand width=3.6mm
SWDxLWD=12x100mm
Open area=38%



MODEL: HJAX-30150
Thickness=3.0mm
Strand width=10mm
SWDxLWD=30x150mm
Open area=30%

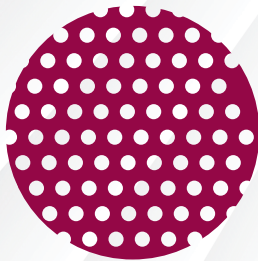


MODEL: HJAX-80200
Thickness=3.0mm
Strand width=29mm
SWDxLWD=80x200mm
Open area=54%

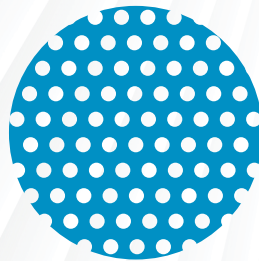
Note: For more expanded patterns, please contact us.

COLORS

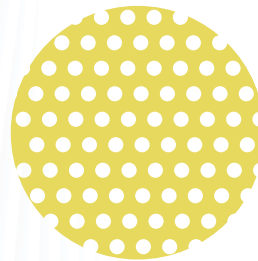
Different colors offer unique styles and effects to satisfy diverse project requirements. NP Alunex provides a broad range of available colors for your selection.



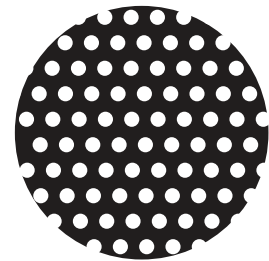
BLOOD RED



SAPPHIRE BLUE



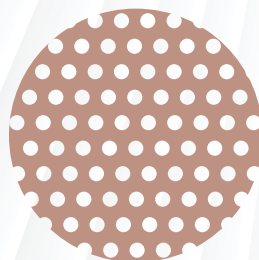
BRIGHT YELLOW



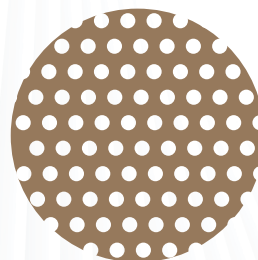
MATT BLACK



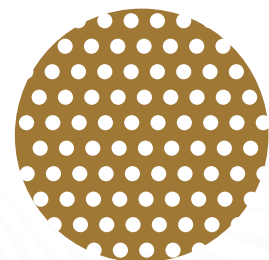
ORANGE GOLD



ROSE GOLD



CHAMPAGNE GOLD



TITANIUM GOLD

Note: We offer full range of RAL colors, subject to Minimum Order Quantity (MOQ) requirements.

MATERIAL

Different colors can present different styles and effects to match different needs and requirements. Unmatched various colors can be chosen in

Materials	Standard	Classification	Description	Application	Fire Rating
Stainless Steel	ASTM	304	304 grade is the most common form of stainless steel used worldwide. It contains 16-24% chromium, giving it high rust resistance and the ability to withstand corrosion from most oxidizing acids.	Food processing: screens, filters	Class A (IBC & NFPA) Class 1 (UBC)
		316L	Different from 304, 316L incorporates about 2 to 3 percent molybdenum, which increases corrosion resistance-particularly against chlorides and other industrial solvents.	Marine or coastal applications: boat hulls, offshore equipment	
Aluminium	ASTM B209M	1050	High purity aluminum alloy, good corrosion resistance, low strength, excellent workability.	Indoor ceiling panels, wall decoration, low-load building decoration.	Class A (ASTM E84)
		3003	Good strength and corrosion resistance, excellent workability, suitable for general construction applications.	Building decoration, ceiling panels, walls, air conditioning ducts, kitchen and bathroom decorations.	
		6063	High strength, excellent oxidation resistance and workability, good surface treatment effect.	External ceiling systems, high-end decorative ceilings, curtain wall systems, door and window frames.	
		6061	Higher strength, slightly lower corrosion resistance and workability, suitable for high load-bearing environments.	Applications requiring high strength, such as load-bearing structures, exposed ceilings, and high-load engineering projects.	
Brass	ASTM B36/B36M	C28000	A copper-zinc alloy with a golden appearance, good machinability, and corrosion resistance.	Decorative perforated sheets: furniture, lighting fixtures; Musical instruments: speaker grilles.	Class A1 (EU)
Carbon Steel	JIS	SPHC	Good plasticity, stamping formability, and weldability, but low corrosion resistance; it always needs coatings to resist rust.	Fence, Window security panels, machine guards, catwalk grating	Class A (ASTM E84)



NP ALUNEX

(CAMBODIA) CO., LTD

Build **N**ow
For **N**ext

Contact Us:

