Mastermesh® Perforated Metal
NEPEAN™ Building & Infrastructure

NEPEAN Building & Infrastructure is a division of NEPEAN, Australia’s largest privately owned engineering, mining services and industrial manufacturing organisation.

Under the Mastermesh® brand, NEPEAN Building & Infrastructure manufactures and supplies an extensive range of expanded and perforated metal products that are widely used in architectural, commercial, industrial and resources projects Australia-wide.

Materials include galvanised mild steel, stainless steel and aluminium.

This brochure is designed to assist the architect, draughtsperson, engineer, fabricator and specifier in the correct selection of our range of perforated metal products.
**Versatile, attractive, functional**

Perforated metals are used in a wide range of applications, most commonly as screens, filters, shields and guards, but also as structural and aesthetic elements in architectural and interior design applications.

Perforated metals also have the ability to control the passage of air and other gases, liquids, light, solids, heat, electromagnetic energy and sound waves. With these properties, perforated metals have found applications in a variety of industry sectors, including:

- Aerospace
- Agricultural
- Architectural
- Automotive
- Construction
- Electronics
- Food Processing
- Furniture
- Hospitality
- Manufacturing
- Marine
- Medical
- Mining
- Petrochemical
- Retail
- Security
- Telecommunications
- Utilities
## Standard Perforated Sheet Specifications – Untreated/Galvanised Steel

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Hole size (mm)</th>
<th>Pitch (mm)</th>
<th>Open Area (%)</th>
<th>Thickness (mm)</th>
<th>Sheet Size (mm)</th>
<th>Weight (kg/m²)</th>
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All dimensions and weights are nominal.
Mastermesh® Steel Edge Trims (SETs) provide an alternative to conventional methods of framing and installation. The use of SETs provides a smooth continuous frame, removing the danger of sharp serrated edges from cutting and fabrication.

### Steel Edge Trim (SETs)

<table>
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<th>Gap “G”</th>
<th>Thickness “T”</th>
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Fencing at Concord Hospital - GP0648516

Decorative Wall Screens - GP0863212

Balcony Infill Panels - GP0951430

SET2 used to accommodate GP0286416 – Decorative shop fitting
Custom Perforated Sheets

Design possibilities are limitless, within the boundaries imposed by material specification and/or component thickness. Many other hole patterns, pitches, thicknesses, margins (unperforated edges), sheet sizes and material finishes are available on request. Conditions apply.

Architects and OEMs need not be constrained by industry standard sizes and specifications. Unique and creative panels can be tailored to each project to enhance aesthetics or improve engineering designs. Conditions apply.

Coil-to-coil technology improves yield on sheet lengths, by minimising off-cuts and waste

Balustrade infill panels with unperforated margins
NEPEAN Building & Infrastructure has provided many special custom perforated metals to suit unique applications.

Custom Perforated Image Technology
Using the latest software, NEPEAN Building & Infrastructure now has the ability to re-create your desired image/artwork in Perforated Metal. This technology provides unique and effective panels for applications such as car park facades, sunscreens, signage and balustrades. Conditions apply.
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