Australian Rollforming Manufacturers manufacture an extensive range of standard and custom formed steel sheet piling products to suit a wide variety of applications and conditions.

Common applications for Australian Rollforming Sheet Piling include trenching; water conservation e.g. dams, dam cores, coffer dams; waterways e.g. canal walls, dock walls, bulkheading; erosion control e.g. check dams, beach groynes, cliff protection, structural e.g. excavation and retaining walls, underpinning, formwork, bridge decks and piers, jetties, docks and causeways.

**Cross Section Profile**

**LP042/61 Medium Duty Piling**

Australian Rollforming LP042/61 medium duty steel sheet piling is designed to provide maximum strength consistent with accurate, easy driving, extraction and handling. It is light and easily handled - approximately 15 kilograms per metre. LP 042/61 requires only light driving hammers, simple rigs and tooling.

LP042/61 sheets are long lasting, whether used for permanent installations or re-used for numerous temporary requirements. The sheets are cold rollformed for accuracy of profile with straightness. Strict quality control maintains standards of performance and resistance to scouring forces.

**Section Properties**

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Dimensions</th>
<th>Mass per Unit Length</th>
<th>For One Section</th>
<th>For Metre Width of Assembled Sheets</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>t</td>
<td>H</td>
<td>W</td>
<td>Module</td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm²</td>
</tr>
<tr>
<td>LP042/34</td>
<td>3.0</td>
<td>42</td>
<td>375</td>
<td>347</td>
</tr>
<tr>
<td>LP042/57</td>
<td>5.0</td>
<td>42</td>
<td>375</td>
<td>347</td>
</tr>
<tr>
<td>LP042/61</td>
<td>5.0</td>
<td>42</td>
<td>273</td>
<td>245</td>
</tr>
<tr>
<td>LP200/80</td>
<td>6.0</td>
<td>200</td>
<td>380</td>
<td>350</td>
</tr>
</tbody>
</table>

**Piling Reference Numbers**

Reference number components denote properties of a finished wall using that particular section. The first number denotes the overall thickness of the wall and the second its mass per square metre.

Thus LP-200/80 gives a wall thickness of 200mm and a mass of 80 kg/m².

This referencing method enables easy comparison with other sheet piling sections.

Australian Rollforming is a custom metal rollforming specialist with the capability to rollform an almost infinite number of profiles in a wide range of metals.

**Contact us to discuss your requirements.**

**Notes**

Maximum height of wall (H) and the corresponding minimum driven depth (D) depend on the type of soil and the strength of the sheet piling. Where the fill differs from the soil into which the piling is driven, use the H & D values of the respective soil type.

**Maximum Wall Height (H) & Minimum Piling Depth (D) (mm)**

<table>
<thead>
<tr>
<th>Type of Soil or Fill</th>
<th>LP042/34</th>
<th>LP042/57</th>
<th>LP042/61</th>
<th>LP200/80</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H</td>
<td>D</td>
<td>H</td>
<td>D</td>
</tr>
<tr>
<td>Well graded sand &amp; gravel</td>
<td>1880</td>
<td>1170</td>
<td>2260</td>
<td>1410</td>
</tr>
<tr>
<td>Fine or silty sand</td>
<td>1810</td>
<td>1370</td>
<td>2180</td>
<td>1650</td>
</tr>
<tr>
<td>Soft clay</td>
<td>1630</td>
<td>2680</td>
<td>1960</td>
<td>3230</td>
</tr>
<tr>
<td>Stiff clay</td>
<td>1570</td>
<td>2590</td>
<td>1890</td>
<td>3110</td>
</tr>
</tbody>
</table>

**Notes**

- Maximum height of wall (H) and the corresponding minimum driven depth (D) depend on the type of soil and the strength of the sheet piling. Where the fill differs from the soil into which the piling is driven, use the H & D values of the respective soil type.

- Australian Rollforming LP042/61 sheet piling is rollformed from 5.0mm thick HA300 steel to specification AS 1594, and is available in a range of stock lengths or custom cut to size. The section properties for LP042/61 are shown on page 4.

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**LP200/80 Heavy Duty Piling**

Australian Rollforming LP200/80 was developed to meet a need for a medium duty, multi-purpose section. LP200/80 is lighter, less expensive and easier to handle than heavy sheet piling sections.

In addition, because it has several times the strength of light sections, LP200/80 can be used on a wide variety of projects and under more demanding driving conditions than is possible with lightweight sheet pilings.

**Cross Section Profile**

**Rotation Limits and Minimum Curvature**

Australian Rollforming LP200/80 heavy duty sheet piling has an effective cover width of 350mm per sheet and gives an overall wall thickness of 200mm.

LP200/80 is rollformed from 6mm thick HA300 steel and is available in a range of stock lengths or custom cut to size. The section properties for LP200/80 are shown on page 4.

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**LP042/57 Medium Duty Wide Piling**

Australian Rollforming LP042/57 steel sheet piling is developed specifically for sandy conditions as a cost effective means to simplify trenchwork, eliminating the need for bracing.

**Cross Section Profile**

Australian Rollforming LP042/57 sheet piling is rollformed from 5mm thick hot rolled steel to specification AS 1594, grade HA300, and is available in a range of stock lengths or custom cut to size. The section properties for LP042/57 are shown on page 4.

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**LP042/34 Light Weight Wide Piling**

Australian Rollforming LP042/34 light weight wide sheet piling is used primarily for the prevention of soil erosion.

This is achieved by driving a series of check dam walls into position across the path of a water course and back filling with heavy ballast. This results in a significant slowing of the water movement and therefore a reduction in the amount of erosion.

**Cross Section Profile**

Australian Rollforming LP042/34 sheet piling is rollformed from 3mm hot rolled steel to specification AS 1594, grade HA300, and is available in a range of stock lengths or custom cut to size. The section properties for LP042/34 are shown on page 4.