## Floor Joist

<table>
<thead>
<tr>
<th>Profile</th>
<th>400 Centres</th>
<th>450 Centres</th>
<th>600 Centres</th>
</tr>
</thead>
<tbody>
<tr>
<td>FJ140</td>
<td>1.80 45</td>
<td>1.55 45</td>
<td>1.55 45</td>
</tr>
<tr>
<td>FJ190</td>
<td>2.00 45</td>
<td>1.85 45</td>
<td>1.85 45</td>
</tr>
<tr>
<td>FJ240</td>
<td>2.40 45</td>
<td>2.00 45</td>
<td>2.00 45</td>
</tr>
<tr>
<td>FJ290</td>
<td>2.80 45</td>
<td>2.50 45</td>
<td>2.50 45</td>
</tr>
</tbody>
</table>

*Note: The Speedfloor Steel Joist System is pre-engineered to comply with the requirements of AS/NZS 4600:2005. The Speedfloor steel joist are designed to comply with the sensitivity deflection and dynamic vibration requirements imposed by AS 3623.

### Cantilever Joist

- Steel joist spans are not applicable for support of a loadbearing wall or roof loads.
- Bolt holes connecting to the channel need to be independently assessed for suitability.
- No service holes are allowed within the span.

### Composite Beam

<table>
<thead>
<tr>
<th>Joist Span up to 1500</th>
<th>Composite Span</th>
<th>1.5kPa</th>
<th>3kPa</th>
<th>5kPa</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC140</td>
<td></td>
<td>6.9</td>
<td>5.7</td>
<td>4.9</td>
</tr>
<tr>
<td>PC190</td>
<td></td>
<td>6.2</td>
<td>5.6</td>
<td>4.9</td>
</tr>
<tr>
<td>PC240</td>
<td></td>
<td>6.0</td>
<td>5.6</td>
<td>4.9</td>
</tr>
<tr>
<td>PC290</td>
<td></td>
<td>5.8</td>
<td>5.4</td>
<td>4.9</td>
</tr>
</tbody>
</table>

### Perimeter Channel

- Maximum Perimeter Channel span is limited to 3.5m.
- No service holes are allowed within the span.
- Bolt holes connecting to the channel need to be independently assessed for suitability.

## Steel Joist System - Span Tables

### Composite Beam

<table>
<thead>
<tr>
<th>Joist Span up to 2500</th>
<th>Composite Span</th>
<th>1.5kPa</th>
<th>3kPa</th>
<th>5kPa</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC140</td>
<td></td>
<td>6.4</td>
<td>5.5</td>
<td>4.9</td>
</tr>
<tr>
<td>PC190</td>
<td></td>
<td>6.1</td>
<td>5.3</td>
<td>4.9</td>
</tr>
<tr>
<td>PC240</td>
<td></td>
<td>5.9</td>
<td>5.1</td>
<td>4.9</td>
</tr>
<tr>
<td>PC290</td>
<td></td>
<td>5.6</td>
<td>4.9</td>
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</tr>
</tbody>
</table>

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### Steel Joist System

- High performance steel floor joist system
- 100% Speedfloor steel joist system will also meet the requirements of AS/NZS 4600:2005. The Speedfloor steel joist are designed to comply with the sensitivity deflection and dynamic vibration requirements imposed by AS 3623.
- The Speedfloor Steel Joist span table is pre-engineered to comply with the requirements of AS/NZS 4600:2005. The Speedfloor steel joist are designed to comply with the sensitivity deflection and dynamic vibration requirements imposed by AS 3623.

## Speedfloor Steel Joist System

- EASIER
- LIGHTER
- FASTER
- STEEL JOIST SYSTEM

### Contact Information

- Telephone: +64 9 303 4825
- Email: sales@speedfloor.co.nz
- Website: www.speedfloor.co.nz
- 50 do 142 Vehicle St, Auckland, New Zealand
The Speedfloor steel joist system is an engineered solution providing exceptional performance and construction efficiency.

The steel joist system has been successfully used in a large number of projects. Designed for strength and ease of installation while offering economical spanning performance that is adaptable to a variety of building designs and construction methods.

Whether its mezzanine floors in commercial buildings or portal framed sheds, platforms for industrial structures, residential sub floors on piles and bearers or for transportable units, the Speedfloor steel joist system is the smart choice.

In addition to being a logical decision when cost and design count, the Speedfloor system offers piece of mind in the knowledge that its span tables are pre-engineered making council approvals uncomplicated including specifications for both Fire and Noise ratings.

The Speedfloor Steel Joist System makes specifying a steel floor a simple solution.

- Durability – Joist are galvanised steel providing long term protection against corrosion
- Practical – pre-cut to length, eliminating on-site cutting time and cost
- Selection – four sizes to choose from and the added option of pre-punched service holes in the 190, 240 & 290mm joist web sections
- Service – design and engineering support

Speedfloor Systems are available nationally. Design Certificates and Producer Statements available on request.

Contact us directly to receive further information.

The Speedfloor Steel Joist System provides a simple effective solution to your floor structure requirements.