PACIFIC RIM INDUSTRIES

# Ijoist Single and Continuous Spans

PRO-JOIST

Member Type = Floor Joist
Span Type = Single Span

**Basic Loading Data:**
Flooring = Particle board (30)
Underfloor Ceiling = 10mm P'Board (12)
Floor Live Load = Domestic Std (1.5,1.8)
Standard AS1720.3 Dynamics for 1.0 kN static load
Min. End Bearing Length = 30mm
Min. Intermediate Bearing = 63mm

**PRO-JOIST**
**Single Span**

| Size | Joist Spacing 0.450mm |
|---|---|
| 200x45 | 3800 |
| 240x45 | 4600 |
| 300x45 | 5400 |
| 360x45 | 6000 |
| 240x63 | 5100 |
| 300x63 | 5900 |
| 360x63 | 6500 |
| 400x63 | 6900 |
| 240x90 | 5600 |
| 300x90 | 6400 |
| 360x90 | 7100 |
| 400x90 | 7500 |

Table values relate to allowable maximum joist spans.

Member Type = Floor Joist
Span Type = Continuous Span

**Basic Loading Data:**
Flooring = Particle board (30)
Underfloor Ceiling = 10mm P'Board (12)
Floor Live Load = Domestic Std (1.5,1.8)
Standard AS1720.3 Dynamics for 1.0 kN static load
Min. End Bearing Length = 30mm
Min. Intermediate Bearing = 45mm

**PRO-JOIST**
**Continuous Span**

| Size | Joist Spacing 0.450mm |
|---|---|
| 200x45 | 4600 |
| 240x45 | 5200# |
| 300x45 | 5900# |
| 360x45 | 5900# |
| 240x63 | 5600 |
| 300x63 | 6400* |
| 360x63 | 7100# |
| 400x63 | 7500# |
| 240x90 | 6000 |
| 300x90 | 6900 |
| 360x90 | 7700 |
| 400x90 | 8200* |

Table values relate to allowable maximum joist spans.

Member Type = Floor Joist
Span Type = Single Span

**Basic Loading Data:**
Flooring = Heavy Floor (75)
Underfloor Ceiling = 10mm P'Board (12)
Floor Live Load = Domestic Std (1.5,1.8)
Standard AS1720.3 Dynamics for 1.0 kN static load
Min. End Bearing Length = 30mm
Min. Intermediate Bearing = 63mm

**PRO-JOIST**
**Single Span**

| Size | Joist Spacing 450mm |
|---|---|
| 200x45 | 3900 |
| 240x45 | 4500 |
| 300x45 | 5100 |
| 360x45 | 5700 |
| 240x63 | 4800 |
| 300x63 | 5500 |
| 360x63 | 6200 |
| 400x63 | 6500 |
| 240x90 | 5200 |
| 300x90 | 6000 |
| 360x90 | 6000 |
| 400x90 | 7000 |

Table values relate to allowable maximum joist spans.

Member Type = Floor Joist
Span Type = Continuous Span

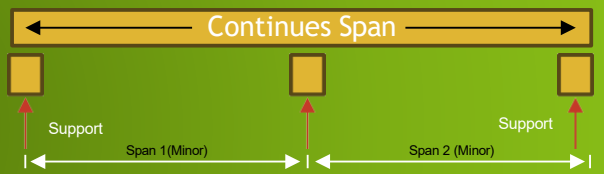
**Basic Loading Data:**
Flooring = Heavy Floor (75)
Underfloor Ceiling = 10mm P'Board (12)
Floor Live Load = Domestic Std (1.5,1.8)
Standard AS1720.3 Dynamics for 1.0 kN static load
Min. End Bearing Length = 30mm
Min. Intermediate Bearing = 63mm

**PRO-JOIST**
**Continuous Span**

| Size | Joist Spacing 0.450mm |
|---|---|
| 200x45 | 4600# |
| 240x45 | 5200# |
| 300x45 | 5200# |
| 360x45 | 5200# |
| 240x63 | 5600# |
| 300x63 | 6400# |
| 360x63 | 7100# |
| 400x63 | 7200# |
| 240x90 | 6000 |
| 300x90 | 6900* |
| 360x90 | 7700* |
| 400x90 | 8200# |

Table values relate to allowable maximum joist spans.




For a member to be considered 'continuous' it shall span at least 2 adjacent spans such that span 1is greater than or equal to 0.75 x span 2.
The major span is taken from the continuous span table e.g. if span 2 = 6.0 then span 1is greater or equal to 4.5m, otherwise each span is to be considered 'single'.