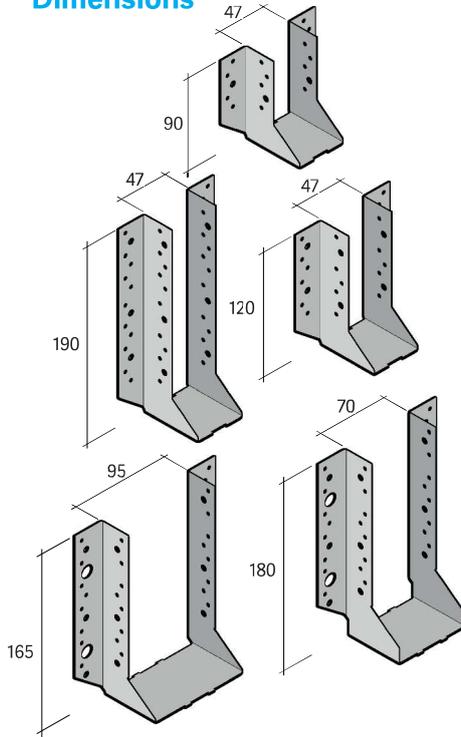


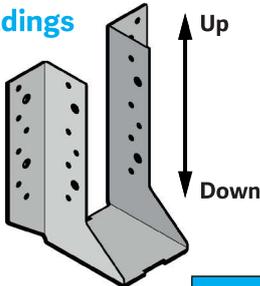
**USE STAINLESS STEEL
OPTION IN
EXTERIOR SITUATIONS**

JOIST HANGERS

Dimensions



Loadings



Joist Hangers are designed to be used where a strong rigid joint is required between members butting together at 90 degrees, e.g. floor joist to beam, truss or rafter to beam/bearer.

Joist Hangers to suit 50mm thick (nominal) timber are available in three sizes

JH47 x 90 - For use on gauged 47mm wide timber up to 150mm deep.

JH47 x 120 - Suitable for gauged 47mm wide timber up to 200mm deep.

JH47 x 190 - For gauged 47mm wide timber up to 300mm deep.

Joist Hanger to suit 75mm thick (nominal) timber

JH70 x 180 - A special size joist hanger designed for gauged 69mm wide timbers.

Joist Hanger to suit 100mm thick (nominal) timber

JH95 x 165 - For use on gauged 94mm wide timber or double joists/trusses.

Joist Hangers are available in 52 x 90, 52 x 120 and 52 x 190, to suit 52mm wide, rough sawn timber.

All sizes are also available in Stainless Steel 304-2B.

IMPORTANT NOTE

For other load conditions, refer to the Characteristic Load Table below for correct product selection and nailing or screw fixing. In some cases it may be necessary to fully nail or screw fix the Joist Hanger.

| Joist Hanger Type | Characteristic Load - Nails | | | Characteristic Load - Screws | | |
|--|-----------------------------|--------|--------|---|--------|--------|
| | No. of Nails per Flange* | Down | Uplift | No. of Screws per Flange* | Down | Uplift |
| JH 47 x 90 | 3 | 9.0kN | 6.0kN | 1 (+1 Nail) | 7.0kN | 4.7kN |
| JH 47 x 120 | 5 | 15.0kN | 10.0kN | 2 | 14.0kN | 12.0kN |
| JH 47 x 190 | 9 | 27.0kN | 18.0kN | 3 | 21.0kN | 18.0kN |
| JH 95 x 165 | 8 | 24.0kN | 16.0kN | 3 | 21.0kN | 18.0kN |
| JH 70 x 180 | 8 | 24.0kN | 16.0kN | 3 | 21.0kN | 18.0kN |
| Nail with LUMBERLOK Product Nails 30mm x 3.15 dia. | | | | Fix with Type 17-12g x 35mm Hex Head Screws | | |

*4 Flanges per hanger

NOTE: Loads for 47mm Joist Hangers also apply to 52mm. For roof trusses, Joist Hangers shall be fully nailed or screw fixed.

**Material: 0.91mm G300 Z275 Galvanised Steel
or 0.9mm Stainless Steel 304-2B**

JOIST HANGER SELECTION & FIXING RECOMMENDATION

DOMESTIC FLOOR JOISTS AND COMMERCIAL FLOOR JOISTS UP TO 3.0kPa LIVE LOAD
(Refer Table 3.1 AS/NZS 1170.1:2002)

→ **Loads 1. DOMESTIC FLOORS & BALCONIES - 1.5kPa & 2.0kPa Live Loads**
(Allows 1.8kN Point Load & 0.4kPa Dead Load)

2. COMMERCIAL FLOORS - 3.0kPa Live Load
(Allows 2.7kN Point Load, 0.5kPa Dead Load)

→ Floor Joist centres up to 600mm

→ These charts cover SG6, SG8 & SG10 timber grades

→ The same selection of nail/screw pattern applies to nominal 50mm timber thickness

NAILING RECOMMENDATION

Nail with LUMBERLOK Product Nails 30mm x 3.15 dia.

| Joist Size | Recommended Joist Hanger | Domestic Floors & Balconies Min. No. of Nails per Flange (4 Flanges Total) | Commercial Floors Min. No. of Nails per Flange (4 Flanges Total) |
|------------|--------------------------|--|--|
| 100 x 50 | JH 47 x 90 | 2 | 3 |
| 150 x 50 | JH 47 x 90 | 2 | 3 |
| 200 x 50 | JH 47 x 120 | 3 | 4 |
| 250 x 50 | JH 47 x 190 | 4 | 4 |
| 300 x 50 | JH 47 x 190 | 4 | 5 |

SCREW FIXING RECOMMENDATION

Fix with Type 17-12g x 35mm Hex Head Screws

| Joist Size | Recommended Joist Hanger | Domestic Floors & Balconies No. of Screws per Flange (4 Flanges Total) | Commercial Floors No. of Screws and Nails per Flange (4 Flanges Total) |
|------------|--------------------------|--|--|
| 100 x 50 | JH 47 x 90 | 1 Screw + 1 Nail | 1 Screw + 1 Nail |
| 150 x 50 | JH 47 x 90 | 1 Screw + 1 Nail | 1 Screw + 1 Nail |
| 200 x 50 | JH 47 x 120 | 2 | 2 Screws + 2 Nails |
| 250 x 50 | JH 47 x 190 | 2 | 2 Screws + 2 Nails |
| 300 x 50 | JH 47 x 190 | 3 | 3 Screws + 2 Nails |

NOTE: Joist Hangers supporting roof trusses shall be fully nailed or screw fixed.

