ECKO Fastening Systems

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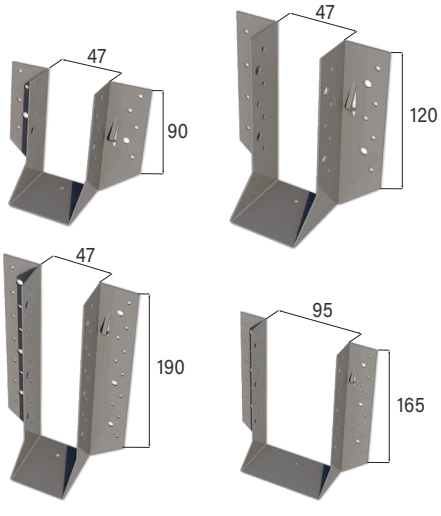
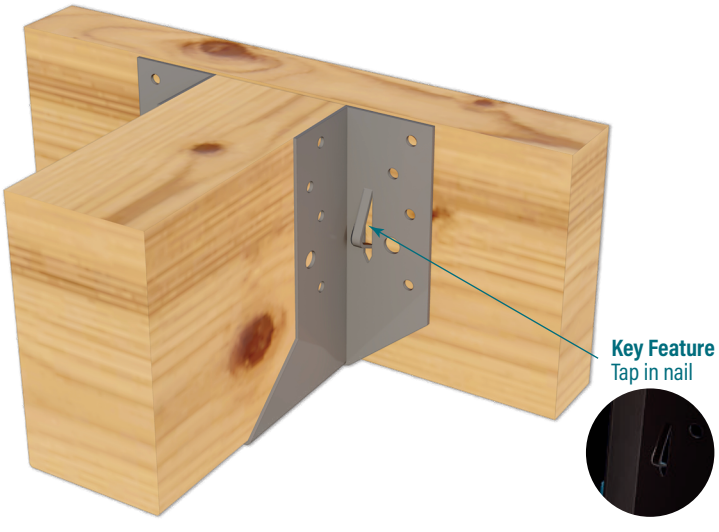
# Joist Hangers Structural Fixings Guide

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.




**Materials:**
1.00mm G300 Z275 Galvanised Steel
1.0mm 304 Stainless Steel

**47 x 90mm:** For use on gauged 47mm wide timber up to 150mm deep.

**47 x 120mm:** Suitable for gauged 47mm wide timber up to 200mm deep.

**47 x 190mm:** For gauged 47mm wide timber up to 300mm deep.

**95 x 165mm:** For used on gauged 94mm wide timber or double joists/trusses. ***(Joist Hangers to suit 100mm thick (nominal) timber).***

## 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.

| STANDARD HANGER | | Gravitational | | | | Uplift | | | |
|---|---|---|---|---|---|---|---|---|---|
| Product Code | Size (mm) | Nails per Flange | Load (kN) | Screws per Flange | Load (kN) | Nails per Flange | Load (kN) | Screws per Flange | Load (kN) |
| JH4790 & JHSS4790 | 47 x 90 | 3 | 9.0 | 1 (+ 1 nail) | 7.0 | 3 | 6.0 | 1 (+ 1 nail) | 4.7 |
| JH47120 & JHSS47120 | 47 x 120 | 5 | 15.0 | 2 | 14.0 | 5 | 10.0 | 2 | 12.0 |
| JH47190 & JHSS47190 | 47 x 190 | 9 | 27.0 | 3 | 21.0 | 9 | 18.0 | 3 | 18.0 |
| JH95165 & JHSS95165 | 95 x 165 | 8 | 24.0 | 3 | 21.0 | 8 | 16.0 | 3 | 18.0 |
| Nails - 38 x 3.33mm<br>Screws - 14g x 35mm Hex Head | | | | | | | | | |

Characteristic Strengths have been derived from testing conducted by **BRANZ (ST-18222) in accordance with EM1 as specified in NZ3604:2011**

## NOTE

For roof trusses, Joist Hangers shall be fully nailed or screw fixed.