

# MJC – Multiple Joist Connector

## Materials

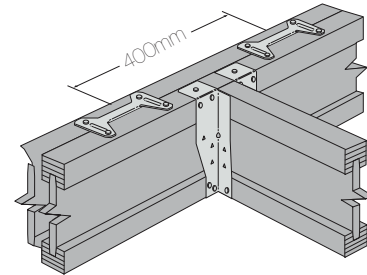
- Pre-galvanised mild steel Z275

## Advantages

- Quick and simple to install.
- Safely joins multiple joists together, allowing them to act as a single unit.
- Easy to see that MJC's are installed (where as filler blocks are not visible).
- One size product fits all joist height and width combinations.

## Features

- The MJC is an improved solution to the traditional filler block detail, which historically has been time consuming to fit and difficult to check if fitted or if fitted correctly. It's simple and effective design allows one size of product to be used on any joist size – regardless of height or width.

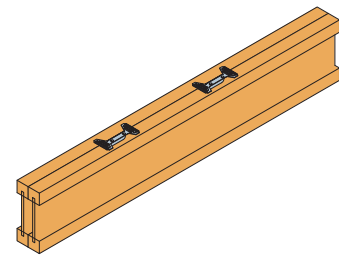
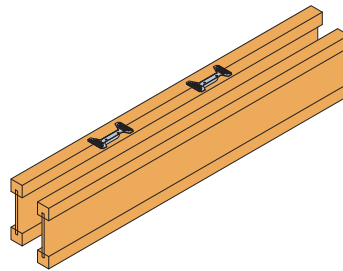
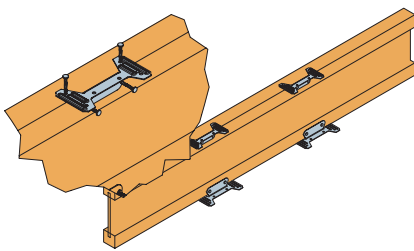


## Installation

1. Position the MJC's onto the first joist, ensuring that they are centred about the incoming loads. 400mm centres for Concentrated loads and equally spaced for Regular loads.

2. Secure each MJC with 3.75x38mm nails in all holes. 4 nails into each joist.

3. Position the second joist ensuring ends are flush and joists are parallel. Secure the joist to the MJC using four 3.75 x 38mm nails per MJC.



## Technical Data

### Metal Web Applications - Concentrated Loads

Maximum Incoming Concentrated Load [kN] - Metal Web	
Number of MJC's	Characteristic Loads
4	12.6
8	18.9

### I-Joist Applications - Concentrated Loads

Number of MJC's	Maximum Incoming Concentrated Load [kN] - I-Joists	
	Characteristic Loads	
	LVL Flanges	Solid Sawn Flanges
4	16.6	15.3
8	24.9	22.9

1. Maximum Incoming Concentrated Load refers to the maximum concentrated load that can be applied when the MJC's are installed either side of the incoming load.

2. Number of MJC's equally spaced about the incoming load.

### Metal Web Applications - Regular Loads

Maximum Incoming Regular Load [kN] - Metal Web	
Number of MJC's	Characteristic Loads
2	6.3
4	9.4

### I-Joist Applications - Regular Loads

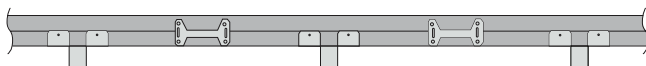
Number of MJC's	Maximum Incoming Concentrated Load [kN] - I-Joists	
	Characteristic Loads	
	LVL Flanges	Solid Sawn Flanges
2	8.3	7.6
4	12.4	11.4

1. Maximum Incoming Regular Load refers to the maximum load that can be applied at regular intervals along the supporting timber.

2. Number of MJC's between each incoming load.

## Typical spacing for Regular loaded joist

2x MJC connectors between joists: 1 top and 1 bottom



4x MJC connectors between joists: 2 top and 2 bottom

