

Multiple Member Connections

I - Clip

Patent Pending



The Cullen I-Clip introduces a fast and effective method for joining double I-Joists.

ADVANTAGES

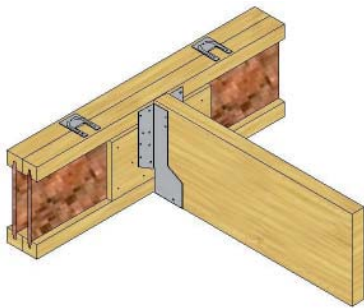
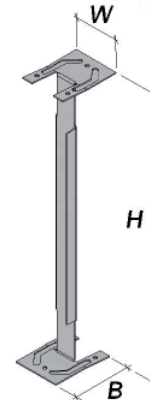
- No need for time-consuming and expensive filler blocks
- Quick and simple installation
- Connections visible to ensure compliance
- Only one size of nail required

MATERIAL

- 16 ga. (0.063") galvanized mild steel - G90

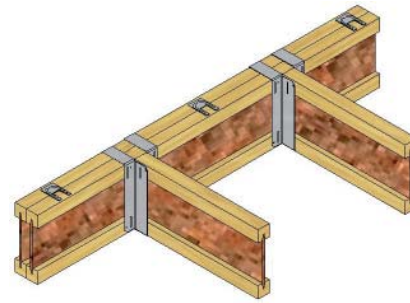
FASTENER TYPE

- 10dx1½" nail



Single LVL/PSL/LSL or glulam beam to double I-Joist connection using FFI hanger, backer blocks and I-Clips
Backer blocks are required front face only.

Ensure nails are clinched.



Single I-Joists to Double I-Joist girder connected using UI hangers and I-Clips

No Filler or Backer Blocks Required.

To order the I-Clip



Example I-Joist Height	Product Code	
	SPF I-Joist Flange Height: 1½"	LVL I-Joist Flange Height: 1¾" (iLevel)
9½"	I-9.5/1.5	I-9.5/1.38
11⅞"	I-12/1.5	I-12/1.38
14"	I-14/1.5	I-14/1.38
16"	I-16/1.5	I-16/1.38

When ordering the I-clip please state joist and flange height to suit appropriate I-Joist system.

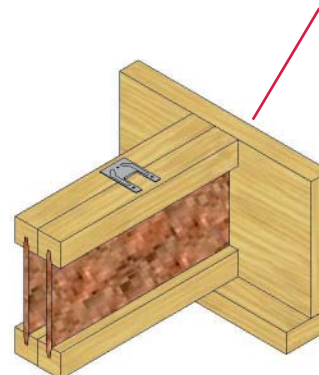
I-Clip is not dependant on joist width.

Sizes vary due to I-Joist manufacturer.

Typical Arrangement of I-Clips at Joist Ends

This detail is not a joist design requirement, but will provide a safer site handling option

I-Clip to be fixed at each end of multiple joists ensuring the I-Clip is a minimum of 5" from end of joist to avoid any clashing with hanger base plates.



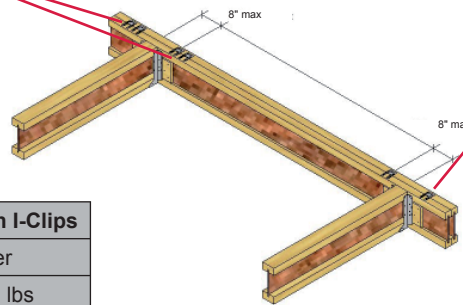
Multiple Member Connections

I - Clip

Typical Arrangement of I-Clips for a 2-Ply Girder with Concentrated Point Load

2 - I-Clips fixed each side of joists where incoming point load is greater than 7.8kN / 1753lbs and up to 9.82kN/2207lbs

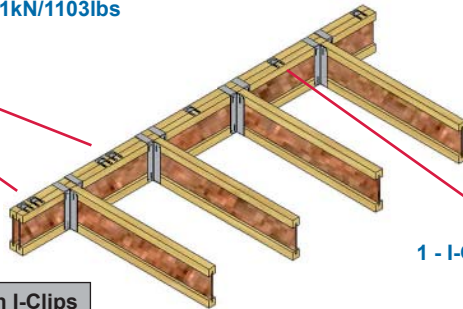
1 - I-Clip fixed each side of joist where incoming point load is 7.8kN / 1753lbs or less



Maximum Load (kN/lbs) on headers fixed with I-Clips		
Number of Pairs of I-Clips	2 Ply Header	
	kN	lbs
1 pair	7.8	1753
2 pairs	9.82	2207

Typical Arrangement of I-Clips for a 2-Ply Girder Side Loaded

2 - I-Clips fixed between joists where incoming point load is greater than 3.93kN / 883 lbs and up to 4.91kN/1103lbs

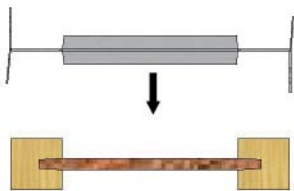


1 - I-Clip fixed between joists where incoming point load is 3.93kN / 883 lbs or less

Maximum Load (kN/lbs) on headers fixed with I-Clips		
Number of Pairs of I-Clips	2 Ply Header	
	kN	lbs
1 pair	3.93	883
2 pairs	4.91	1103

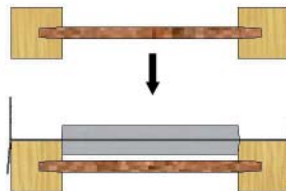
Installation

Stage 1



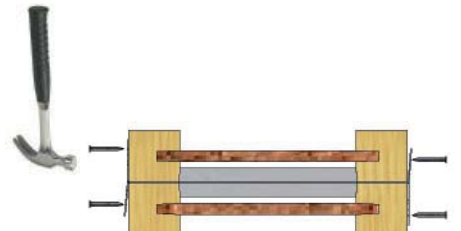
Lay I-Joist flat and mark location of I-Clips, press clips into position on top face of I-Joist.

Stage 2



Position second ply of joist assembly on top of I-Clips and tap together with a hammer to ensure a tight fit.

Stage 3



Fix I-Clips to top & bottom flanges of multiple I-Joist using 6 nails ensuring that I-Joists are fitted tightly together.