

Joist & Beam Connections

UI - Universal I-Joist Hanger

The Cullen UI hanger is an entirely new concept in I-Joist to I-Joist connections. It has the ability to transfer loads without the need for either web stiffeners or **backer blocks**. It is extremely quick and simple to install. The UI provides one size of hanger to suit all header widths.

The UI has full height side flanges and a bearing length of 2". The product code is stamped on the hanger for simple identification.

ADVANTAGES

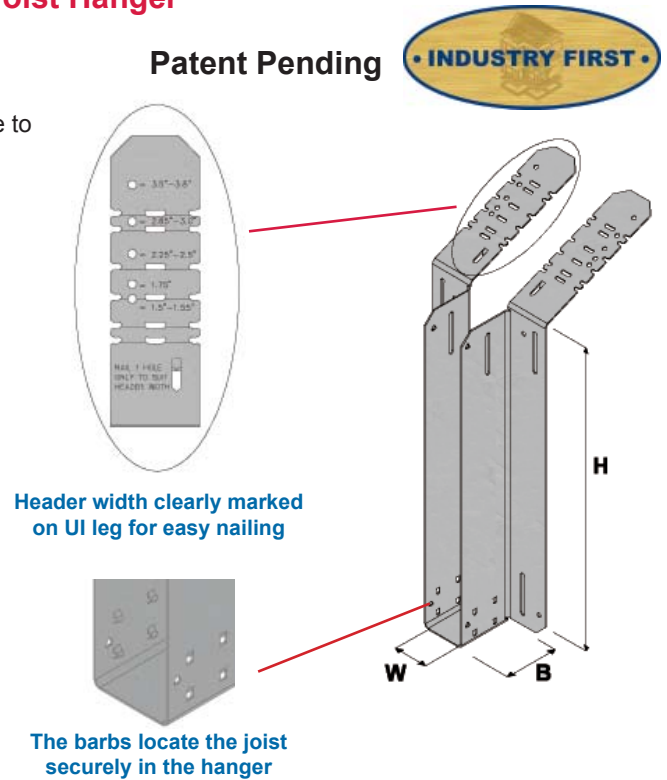
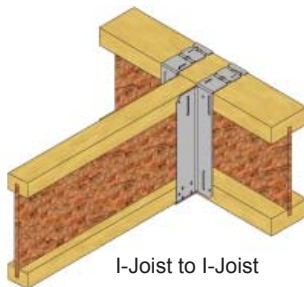
- No web stiffeners or **backer blocks** required
- Barbs locate the joist securely in the hanger
- Only one size of nail required

MATERIAL

- 18 ga. (0.051") galvanized mild steel - G90

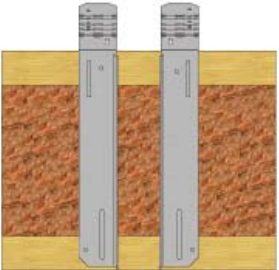
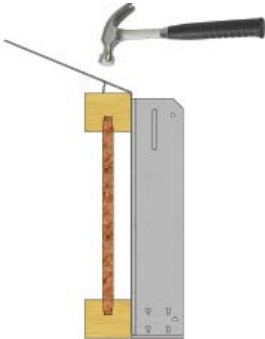
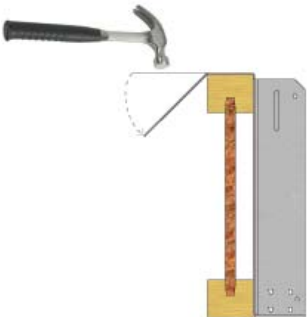

FASTENER TYPE

- 10dx1½" nail



Backer free I-Joist Hanger

Installation

Stage 1	Stage 2
 <p>Position UI against face of I-Joist.</p> <p>Face fix to I-Joist using 4 nails.</p>	 <p>Drive home fixing tabs into top flange of I-Joist.</p>
 <p>Bend over hanger flanges at appropriate crease line to give a flush fit to I-Joist.</p>	 <p>Nail remaining hanger flanges into back face of I-Joist using 2 nails into the appropriate nail holes.</p> <p>Then place incoming joist into UI and fix with 2 nails.</p>

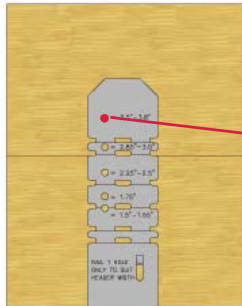
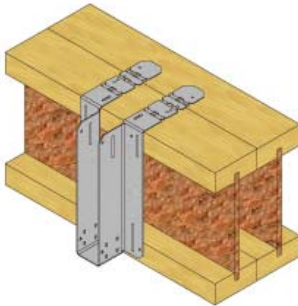
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UI - Universal I-Joist Hanger

UI - Single/Double Joists - EWP

I-Joist Size	Product Code	Ga	Hanger Dimensions			Fasteners - 10dx1½"			Factored Resistance									
			W	H	B	Top	Face	Joist	Uplift (Kd = 1.15)		SPF- I-Joist		LVL		PSL		LSL	
									kN	lbs	kN	lbs	kN	lbs	kN	lbs	kN	lbs
1½ x 9½	UI1.5/9.5	18	1⅞	9½	2	2	6	2	1.34	301	5	1124	8.51	1913	8.51	1913	8.51	1913
1½ x 11½	UI1.5/11.88	18	1⅞	11½	2	2	6	2	1.34	301	5	1124	8.51	1913	8.51	1913	8.51	1913
1¾ x 9½	UI1.75/9.5	18	1⅞	9½	2	2	6	2	1.34	301	5	1124	8.51	1913	8.51	1913	8.51	1913
1¾ x 11½	UI1.75/11.88	18	1⅞	11½	2	2	6	2	1.34	301	5	1124	8.51	1913	8.51	1913	8.51	1913
2⅞ x 9½	UI2.06/9.5	18	2⅞	9½	2	2	6	2	1.34	301	5	1124	8.51	1913	8.51	1913	8.51	1913
2⅞ x 11½	UI2.06/11.88	18	2⅞	11½	2	2	6	2	1.34	301	5	1124	8.51	1913	8.51	1913	8.51	1913
2⅞ x 9½	UI2.31/9.5	18	2⅞	9½	2	2	6	2	1.34	301	5	1124	8.51	1913	8.51	1913	8.51	1913
2⅞ x 11½	UI2.31/11.88	18	2⅞	11½	2	2	6	2	1.34	301	5	1124	8.51	1913	8.51	1913	8.51	1913
2½ x 9½	UI2.5/9.5	18	2⅞	9½	2	2	6	2	1.34	301	5	1124	8.51	1913	8.51	1913	8.51	1913
2½ x 11½	UI2.5/11.88	18	2⅞	11½	2	2	6	2	1.34	301	5	1124	8.51	1913	8.51	1913	8.51	1913
3 x 9½	UI3/9.5	18	3⅞	9½	2	2	6	2	1.34	301	5	1124	8.51	1913	8.51	1913	8.51	1913
3 x 11½	UI3/11.88	18	3⅞	11½	2	2	6	2	1.34	301	5	1124	8.51	1913	8.51	1913	8.51	1913
3½ x 9½	UI3.5/9.5	18	3⅞	9½	2	2	6	2	1.34	301	5	1124	8.51	1913	8.51	1913	8.51	1913
3½ x 11½	UI3.5/11.88	18	3⅞	11½	2	2	6	2	1.34	301	5	1124	8.51	1913	8.51	1913	8.51	1913

Header widths over 3½"



For headers widths greater than 3½", the top leg must be nailed into the rear ply of the double I-Joist using the furthestmost nail hole marked 3½".



To order the UI

W dimension – Joist width e.g. 2½"
H dimension – Joist height e.g. 9½"

Example - Hanger required – UI2.5/9.5