

TECHNICAL BULLETIN



ALTERNATE UPLIFT OPTIONS FOR IUS, IUT, ITT AND ITS HANGERS

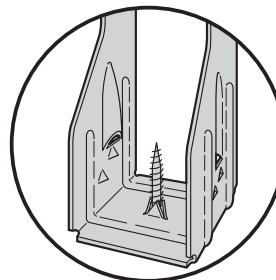
ALTERNATE UPLIFT INSTALLATION with No Joist Nails or Web Stiffeners

IUT/ITT – Where reduced uplift loads are acceptable (as approved by the Designer), a Simpson Strong-Tie® SD8x1.25 screw may be installed through the existing hole in the seat of the IUT and ITT joist hangers instead of bending and nailing the tabs. This faster installation method does not reduce the download capacity of the hanger, and is suitable for joist widths up to 2½".

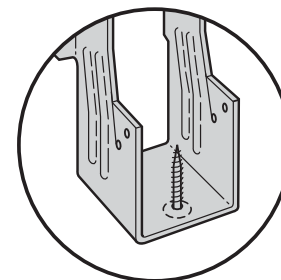
IUS/ITS – A Simpson Strong-Tie SD8x1.25 screw may be installed through the existing hole in the seat of the IUS and ITS hangers to increase allowable uplift loads. This alternate installation is suitable for IUS hangers for joist widths up to 2½" and ITS hangers for joist widths up to 1¾".



SD8x1.25
(Actual size)



IUS with SD8 screw installed in seat
(ITS similar)



IUT with SD8 screw installed in seat
(ITT similar)

Allowable Uplift Loads for Alternate Uplift Installation

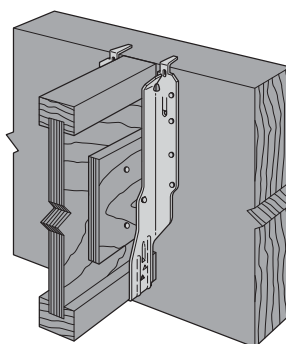
Model No.	Fasteners			Uplift (160)			
	Top	Face	Joist	Joist widths up to 1¾"		Joist widths up to 2½"	
				LVL/DF Flange	SPF Flange	LVL/DF Flange	SPF Flange
IUS	—	10dx1 ½ ¹	1-SD8x1.25	150	105	95	95
IUT	—	10dx1 ½ ¹		130	90	65	65
ITT	4-10dx1 ½	2-10dx1 ½		130	90	65	65
ITS	4-10dx1 ½	2-10dx1 ½		140	100	Not recommended	

- Quantity varies by model, refer to *Wood Construction Connectors* catalog.
- Top and face fasteners shown are the minimum required for uplift loads; larger nails may be required for download requirements.

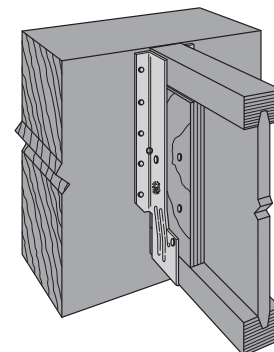
OPTIONAL NAILING FOR INCREASED UPLIFT (Requires Web Stiffeners)

Optional triangle holes may be used to increase allowable uplift loads for the IUS, IUT, ITT and ITS joist hangers. This option is available for all joist widths, but requires the addition of properly attached web stiffeners.

- Choose web fillers that, when installed, approximately match width of I-joist.
- Attach web fillers per I-joist manufacturer's recommendations (*minimum 2-10d nails each side*).
- Install nails into round and triangle holes, as required by the table below to achieve increased uplift.



IUS Optional Nailing Installation for Increased Uplift



IUT Optional Nailing Installation for Increased Uplift

Allowable Uplift Loads for Optional Nailing (with Web Stiffeners)

Model No.	Fasteners			Uplift (160)	
	Top	Face	Joist	DF Web Stiffener (G = 0.50)	SPF Web Stiffener (G = 0.42)
IUS	—	10dx1 ½ ¹	2-10dx1 ½	365	315
IUT	—	10dx1 ½ ¹	4-10dx1 ½	605	520
ITT	4-10dx1 ½	4-10dx1 ½	4-10dx1 ½	605	520
ITS	4-10dx1 ½	4-10dx1 ½	2-10dx1 ½	365	315
ITS	4-10dx1 ½	4-10dx1 ½	4-10dx1 ½	630	540

- Quantity varies by model, refer to *Wood Construction Connectors* catalog.
- Top and face fasteners shown are the minimum required for uplift loads; larger nails may be required for download requirements.
- Consult the I-joist manufacturer for uplift limits on joist end applications.