Bridging

NCA — Nailless installation eliminates callbacks for nail squeaks. Designed for secure grip before the drive-home blow, and deeper prong penetration. Precision-formed into a rigid "V" section.

TB — Tension-type bridging with maximum nailing flexibility. Use just two of the seven nail holes at each end.

LTB — Staggered nail pattern accommodates 2x8 and 2x10 joists. Use just two of the six nail holes at each end. LTB40 has rigid prongs that install easily into the joist, and embossments that allow crisp bends.

Material: LTB — 22 gauge; NCA and TB — 20 gauge (except NCA2x12-16 — 18 gauge)

Finish: Galvanized

Installation: • Support floor joists with a depth-to-thickness ratio of six or more with bridging at intervals not exceeding 8'. If span is greater than 8', install on 2x8 or larger joists. If span is greater than 16', use more than one pair.

- Tension bridging works only in tension, so must be used in cross pairs.
- Install bridging tightly; loose installation may allow floor movement.
- NCA may be installed before or after sheathing, from the top or bottom. Simply locate the bend line approximately 1" from the joist edge.
- NCA has nail holes in one end for use if a prong is bent during installation. Fully seat nails (0.131" x 1½") if they are used; otherwise, they may lead to squeaks.
- TB requires two 0.148" x 1½" fasteners per end.
- LTB requires two 0.113" x 2" nails per end.

Codes: See p. 12 for Code Reference Key Chart

Code Reference: IRC 2012/2015/2018 — R502.7.1, R802.8.1

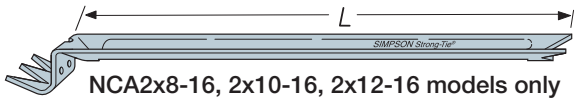
Tension Bridging for I-Joists

Joist Height (in.)	Joist Spacing (in.)								
	12	16	19.2	24	30	32	36	42	48
9½	TB20	TB27	TB27	TB30	TB36	TB36	TB42	TB48	TB54
10	TB20	TB27	TB27	TB30	TB36	TB36	TB42	TB48	TB54
11⅞	TB20	TB27	TB27	TB30	TB36	TB36	TB42	TB48	TB54
12	TB20	TB27	TB27	TB30	TB36	TB36	TB42	TB48	TB54
14	TB27	TB27	TB27	TB36	TB36	TB42	TB42	TB48	TB54
16	TB27	TB27	TB30	TB36	TB42	TB42	TB42	TB48	TB54
18	TB27	TB30	TB30	TB36	TB42	TB42	TB48	TB54	TB56
20	TB30	TB30	TB36	TB36	TB42	TB42	TB48	TB54	TB56
22	TB30	TB36	TB36	TB36	TB42	TB42	TB48	TB54	TB56
24	TB36	TB36	TB36	TB42	TB42	TB48	TB48	TB54	TB56
26	TB36	TB36	TB36	TB42	TB48	TB48	TB48	TB54	TB60
28	TB36	TB36	TB42	TB42	TB48	TB48	TB54	TB54	TB60
30	TB36	TB42	TB42	TB42	TB48	TB48	TB54	TB56	TB60
32	TB42	TB42	TB42	TB42	TB48	TB48	TB54	TB56	TB60

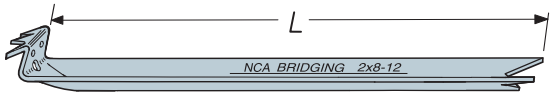
Tension Bridging for Solid Sawn Lumber

Joist Size	Spacing (in.)	NCA		TB		LTB	Code Ref.
		Model No.	L (in.)	Model No.	L (in.)	Model No.	
2x10	12	NCA2x10-12	12½	TB20	20	—	IBC, FL, LA
2x12	12	NCA2x12-12	13⅝	TB20	20	—	
2x14	12	NCA2x8-16	15¼	TB27	27	—	
2x16	12	NCA2x10-16	15 13⁄16	TB27	27	—	
2x8	16	NCA2x8-16	15¼	TB27	27	LTB20 or 40	
2x10	16	NCA2x10-16	15 13⁄16	TB27	27	LTB20 or 40	
2x12	16	NCA2x12-16	16⅞	TB27	27	—	
2x14	16	—	—	TB27	27	—	
2x16	16	—	—	TB27	27	—	
2x10	24	—	—	TB30	30	—	
2x12	24	—	—	TB30	30	—	
2x14	24	—	—	TB36	36	—	
2x16	24	—	—	TB36	36	—	

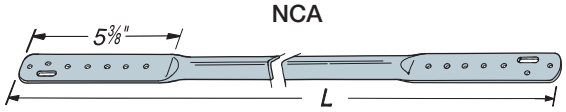
Space bridging to avoid contact noises.



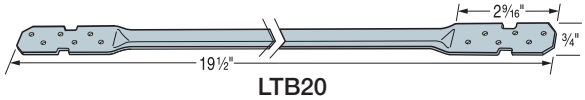
NCA2x8-16, 2x10-16, 2x12-16 models only



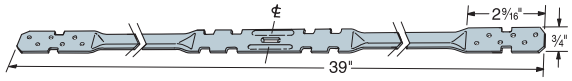
NCA



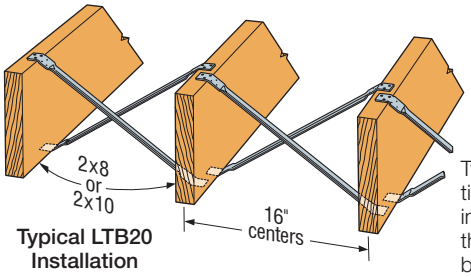
TB



LTB20

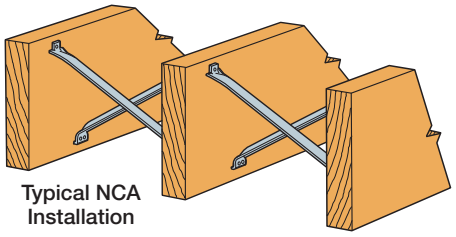


LTB40

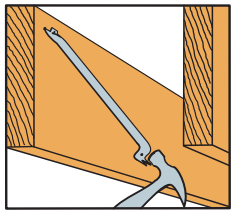


Typical LTB20 Installation

Two to three times faster installation than wood bridging.

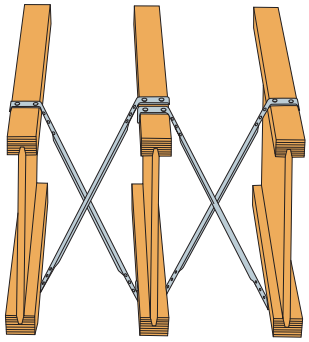


Typical NCA Installation



Install from below as shown, or from above. Drive upper end into joist approximately 1" from the top.

For all bridging avoid contact between steel members (this may cause squeaks).



Typical TB Installation