

# HITACHI STRAP TITE NAIL APPLICATIONS WITH HITACHI FASTENERS

**SIMPSON**

**Strong-Tie**

Hitachi Fasteners – Hardened standard diameter round head, mechanically driven nails.



**For load values, refer to the current Simpson Wood Construction Connectors catalog.**

**CAUTION:** Nails must be placed with tool capable of precise hole locating. Do not overdrive nails. Contact Simpson Strong-Tie regarding overdriven nails policy.

MODEL	FASTENERS
<b>POST BASES</b>	
ABA44	Hitachi .148 x 2½ HT
ABA46	Hitachi .162 x 2½ HT
ABA66	Hitachi .162 x 2½ HT
ABU's	Hitachi .162 x 2½ HT
<b>POST CAPS</b>	
PC44-16	Hitachi .162 x 2½ HT
PC66-16	Hitachi .162 x 2½ HT
EPC44-16	Hitachi .162 x 2½ HT
EPC66-16	Hitachi .162 x 2½ HT
<b>STRAPS</b>	
CS16 <sup>1</sup>	Hitachi .131 x 1½ HT 95% Load
	Hitachi .131 x 2½ HT
CMST14 <sup>2</sup>	Hitachi .162 x 2½ HT
ST12	Hitachi .162 x 2½ HT
ST22	Hitachi .162 x 2½ HT
ST6236	Hitachi .162 x 2½ HT
ST6224	Hitachi .162 x 2½ HT
ST6215	Hitachi .162 x 2½ HT
LSTA's	Hitachi .148 x 2½ HT
MST's	Hitachi .162 x 2½ HT
MSTA's	Hitachi .148 x 2½ HT
MSTI's	Hitachi .148 x 1½ HT
MSTC's	Hitachi .148 x 2½ HT
TB36	Hitachi .148 x 1½ HT
<b>TWIST STRAPS</b>	
LTS's	Hitachi .148 x 2½ HT
	Hitachi .148 x 1½ HT
MTS's	Hitachi .148 x 2½ HT
	Hitachi .148 x 1½ HT
HTS's	Hitachi .148 x 2½ HT
	Hitachi .148 x 1½ HT
TS22	Hitachi .162 x 2½ HT
<b>HOLDOWNS</b>	
LTT20B	Hitachi .162 x 2½ HT
HTT16	Hitachi .162 x 2½ HT
HTT22	Hitachi .148 x 2½ HT
	Hitachi .162 x 2½ HT

MODEL	FASTENERS
<b>EMBEDDED HOLDOWNS</b>	
PA's	Hitachi .162 x 2½ HT
PAHD's	Hitachi .162 x 2½ HT
HPAHD's	Hitachi .162 x 2½ HT
LSTHD's	Hitachi .148 x 2½ HT
STHD's	Hitachi .148 x 2½ HT
<b>HURRICANE TIES AND SEISMIC TIES</b>	
H1	Hitachi .131 x 1½ HT – Use 85% of the reduced uplift load in Simpson Catalog
	Hitachi .131 x 2½ HT 85% Load
H2	Hitachi .131 x 1½ HT
	Hitachi .131 x 2½ HT
H2.5	Hitachi .131 x 1½ HT
H2.5A	Hitachi .131 x 1½ HT – Reduced load per Simpson Catalog
H5	Hitachi .131 x 1½ HT
	Hitachi .131 x 2½ HT
H8	Hitachi .148 x 1½ HT
H10	Hitachi .131 x 1½ HT 85% Load
H16	Hitachi .148 x 1½ HT
<b>STUD PLATE TIES</b>	
DSP	Hitachi .148 x 1½ HT – Reduced load per Simpson Catalog
SSP	Hitachi .148 x 1½ HT – Reduced load per Simpson Catalog
SP1 <sup>3</sup>	Hitachi .148 x 2½ HT
SP2 <sup>3</sup>	Hitachi .148 x 2½ HT
SP4	Hitachi .148 x 1½ HT
SPH4	Hitachi .148 x 1½ HT
RSP4	Hitachi .131 x 1½ HT

**City of LA: RR 23633  
ICC: ESR-1539**

**Allowable nail substitutions for strap products:**

- .131 x 1½ = 8dx1½
- .131 x 2½ = 8d common
- .148 x 1½ = 10dx1½
- .148 x 2½ = 10d common
- .148 x 2½ = 16d sinker
- .162 x 2½ = 16d common

1. Use load and nail quantity for 8d nails.  
2. Use load and nail quantity for 16d nails.  
3. SP1 and SP2 require a 10d common hand nail for the slant nail.

**800-999-5099  
www.strongtie.com**

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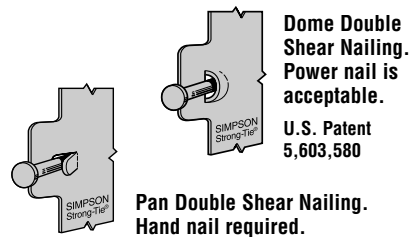
**CAUTION:** Nails must be placed with tool capable of precise hole locating. Do not overdrive nails. Contact Simpson Strong-Tie regarding overdriven nails policy.

MODEL	FASTENERS
<b>WALL BRACING</b>	
CWB's	Hitachi .162 x 2½ HT to Plate
	Hitachi .131 x 2½ HT to Studs
RCWB's	Hitachi .162 x 2½ HT to Plate
	Hitachi .131 x 2½ HT to Studs
<b>HANGERS</b>	
LUS24 <sup>1</sup>	Hitachi .148 x 2½ HT
LUS26 <sup>1</sup>	Hitachi .148 x 2½ HT
LUS28 <sup>1</sup>	Hitachi .148 x 2½ HT
LUS210 <sup>1</sup>	Hitachi .148 x 2½ HT
LUS410 <sup>4</sup>	Hitachi .162 x 2½ HT
LUS414 <sup>4</sup>	Hitachi .162 x 2½ HT
THA213 <sup>5</sup>	Hitachi .148 x 2½ HT
THA218 <sup>5</sup>	Hitachi .148 x 2½ HT
THA218-2 <sup>5</sup>	Hitachi .162 x 2½ HT
THA222-2 <sup>5</sup>	Hitachi .162 x 2½ HT
THA413 <sup>5</sup>	Hitachi .148 x 2½ HT
THA418 <sup>5</sup>	Hitachi .162 x 2½ HT
THA422 <sup>5</sup>	Hitachi .162 x 2½ HT
THA29 <sup>5</sup>	Hitachi .148 x 2½ HT
LSSU28 <sup>6</sup>	Hitachi .148 x 2½ HT Header
	Hitachi .148 x 1½ HT Joist
LSSU410 <sup>6</sup>	Hitachi .162 x 2½ HT Header
	Hitachi .148 x 1½ HT Joist
LSSU210 <sup>6</sup>	Hitachi .148 x 2½ HT Header
	Hitachi .148 x 1½ HT Joist
LSSUI25 <sup>6</sup>	Hitachi .148 x 2½ HT Header
	Hitachi .148 x 1½ HT Joist
LSSUI35 <sup>6</sup>	Hitachi .148 x 2½ HT Header
	Hitachi .148 x 1½ HT Joist

MODEL	FASTENERS
<b>HANGERS (cont.)</b>	
HU's & HUC's	Hitachi .162 x 2½ HT
HUS <sup>2</sup>	Hitachi .162 x 2½ HT
HHUS26-2 <sup>1</sup>	Hitachi .162 x 2½ HT
HHUS28-2 <sup>1</sup>	Hitachi .162 x 2½ HT
HGUS26-2 <sup>3</sup>	Hitachi .162 x 2½ HT
HGUS28-2 <sup>3</sup>	Hitachi .162 x 2½ HT
HGUS26-3 <sup>3</sup>	Hitachi .162 x 2½ HT
HGUS28-3 <sup>3</sup>	Hitachi .162 x 2½ HT
LTHJR/L <sup>2</sup>	Hitachi .148 x 2½ HT Header
	Hitachi .148 x 1½ HT Hip Hand Nail
	Hitachi .148 x 1½ HT Jack Hand Nail
	Hitachi .148 x 2½ HT Jack Hand Nail
LTHMA	Hitachi .148 x 1½ HT 2x Header
	Hitachi .148 x 2½ HT 2-2x Header
	Hitachi .148 x 1½ HT Joist Hand Nail
<b>FLOOR TIE ANCHORS</b>	
LFTA	Hitachi .148 x 2½ HT
<b>FRAMING ANCHORS</b>	
A35	Hitachi .131 x 1½ HT
LTP4	Hitachi .131 x 1½ HT
DTC	Hitachi .131 x 2½ HT
<b>EMBEDDED TRUSS ANCHORS</b>	
HETA's	Hitachi .148 x 1½ HT to Truss
META's	Hitachi .148 x 1½ HT to Truss
<b>MUDSILL ANCHORS</b>	
MAS's	Hitachi .148 x 1½ HT to Plate
MAB's	Hitachi .148 x 1½ HT to Plate

**Notes 1 through 5 apply only to Double Shear Slant Nailing (LUS, THA, LTHJR/L, HHUS, HGUS, and HUS)**  
 Use 10d/16d common double shear nails as required in the current Wood Construction Connectors catalog for full allowable loads. Hand installation is required.

1. There is a 10% reduction for down and uplift load.
2. There is a 15% reduction for down and uplift load.
3. There is a 5% reduction for down load and 15% reduction for uplift load.
4. There is a 10% reduction for down load and 20% reduction for uplift load.
5. There is a 10% reduction for uplift load. Face mount only application.
6. Slope only applications.



When using ZMAX/HDG connectors in contact with pressure treated wood, use hot-dip galvanized fasteners that conform to ASTM A153. See [www.strongtie.com/info](http://www.strongtie.com/info) for proper use, limitations, warnings, warranties, and additional information regarding use for exterior applications and use with pressure treated wood.



*This information is updated periodically; contact Simpson for current information and limited warranty or see [www.strongtie.com](http://www.strongtie.com).*

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