

LTS/MTS/HTS Twist Straps

Twist straps provide a tension connection between two members. They resist uplift at the heel of a truss economically. LTS/ MTS have a 2"-bend section and HTS has a 3¾"-bend section that eliminates interference at the transition points between the two members.

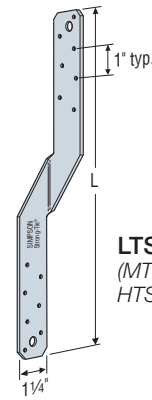
Material: See table

Finish: Galvanized (G90). Some products available in stainless steel and ZMAX®; see Corrosion Information, pp. 19–23.

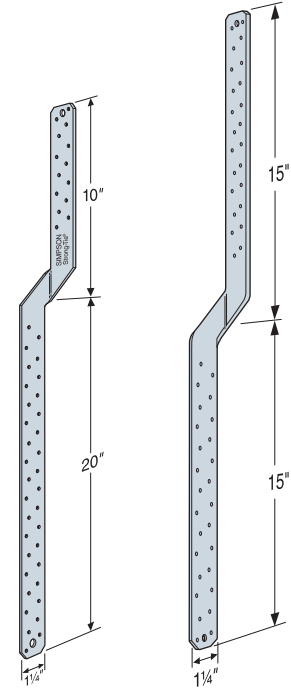
Installation:

- Use all specified fasteners; see General Notes.
- LTS, MTS and HTS are available with the bend reversed. Specify "–REV" after the model number, such as MTS16-REV.

Codes: See p. 13 for Code Reference Key Chart



LTS12
(MTS and HTS similar)

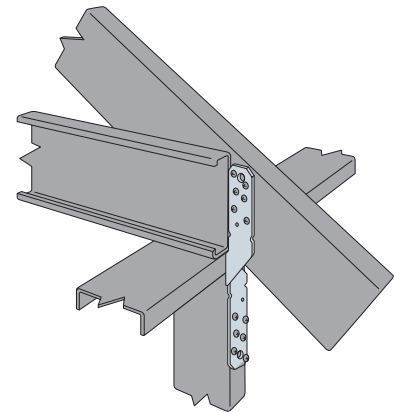


MTS30
(HTS30 similar)

MTS30C
(HTS30C similar)

These products are available with additional corrosion protection. Additional products on this page may also be available with this option. Check with Simpson Strong-Tie for details.

Model No.	Connector Material Thickness mil (ga.)	L (in.)	Fasteners ⁶ (Total)			Allowable Tension Load (lb.)	Code Ref.
			Rafter/Stud/Joist Thickness			33 mil (20 ga.)	
						43 mil (18 ga.)	
			54 mil (16 ga.)				
LTS12	43 (18)	12	(10) #10	(6) #10	(6) #10	775	IBC, FL, LA
LTS16		16	(10) #10	(6) #10	(6) #10	775	
LTS18		18	(10) #10	(6) #10	(6) #10	775	
LTS20		20	(10) #10	(6) #10	(6) #10	775	
MTS12	54 (16)	12	(12) #10	(8) #10	(6) #10	995	
MTS16		16	(12) #10	(8) #10	(6) #10	995	
MTS18		18	(12) #10	(8) #10	(6) #10	995	
MTS20		20	(12) #10	(8) #10	(6) #10	995	
MTS30		30	(12) #10	(8) #10	(6) #10	995	
MTS24C		24	(12) #10	(8) #10	(6) #10	995	
MTS30C		30	(12) #10	(8) #10	(6) #10	995	
HTS16	68 (14)	16	(16) #10	(12) #10	(6) #10	1,415	
HTS20		20	(18) #10	(12) #10	(6) #10	1,450	
HTS24		24	(18) #10	(12) #10	(6) #10	1,450	
HTS30		30	(18) #10	(12) #10	(6) #10	1,450	
HTS30C		30	(18) #10	(12) #10	(6) #10	1,450	



Typical MTS Installation
Truss-to-Steel Studs

1. Not all fastener holes need to be filled, as additional fastener holes are provided. Install fasteners symmetrically.
2. Install half of the fasteners on each end of strap to achieve full loads.
3. All straps except the MTS30 and HTS30 have the twist in the center of the strap.
4. Twist straps do not have to be wrapped over the truss to achieve the load.
5. May be installed on the inside face of the stud.
6. See the current *Fastening Systems* catalog at strongtie.com for more information on Simpson Strong-Tie fasteners.