

QuickTie Twist Straps Series: LTS Series – 18-Gauge Installation Instructions

1 Product Description:

1.1 The innovative product in this report is shown in Figure 1.

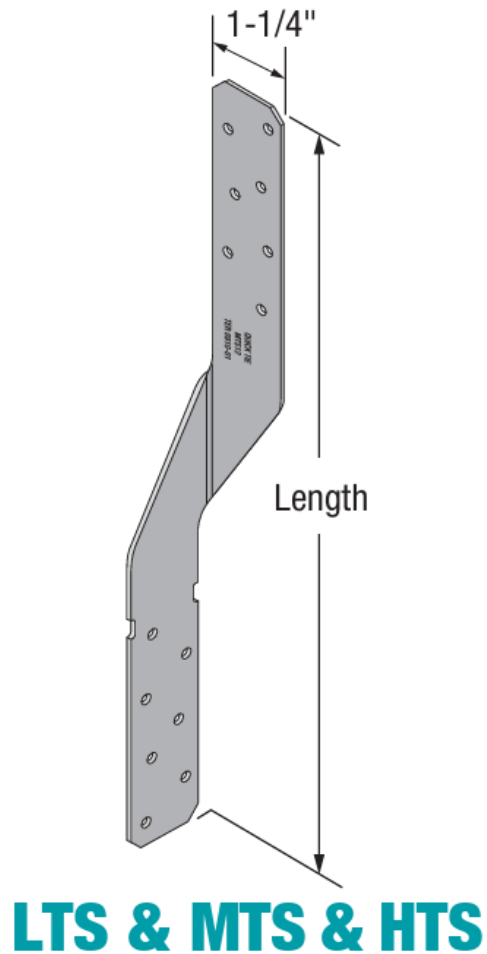


Figure 1. LTS Twist Straps

1.2 ULU Series hangers are Grade 50 ($F_u = 70$ ksi, $F_y = 50$ ksi).

1.3 The following table shows allowable Tension Loads for the LTS Series twist straps.

Table 1. LTS Twist Strap Allowable Tension Loads

Model Number	Fasteners			Allowable Load ^{1,2,3} (lbs)					
				SP (0.55)		DF-L (0.50)		SPF (0.42)	
	Type	Min No. of Nails per Strap ⁴	Min No. of Nails at Each End	Load Duration Factor, C _D					
				1.0	1.6	1.0	1.6	1.0	1.6
LTS12-3Z	10d x 1½" (0.148 x 1.5")	12	6	755	875	695	810	600	700
LTS16-3Z									
LTS18-3Z	10d (0.148 x 3")								
LTS20-3Z									
SI: 1 in = 25.4 mm, 1 lb = 4.45 N									
1. Refer to Appendix A. General Notes for Tables.									
2. Straps do not have to be wrapped over the truss or rafter to achieve the loads shown.									
3. Straps may be installed on either side of the framing member.									
4. The number of fasteners shown in the table is the minimum required to achieve the loads shown.									

- 1.4 Installation shall comply with the approved construction documents, the manufacturer installation instructions, TER 1811-03 and the applicable building code.
- 1.5 In the event of a conflict between the manufacturer installation instructions and this report, the more restrictive shall govern.
- 1.6 *Installation Procedure:*
- 1.6.1 Twist straps shall be attached to wood members with the appropriate quantity and size of fasteners.
- 1.6.2 A copy of the manufacturer published installation instructions shall be available at all times on the jobsite during installation.