

TSB Truss Spacer Bracer

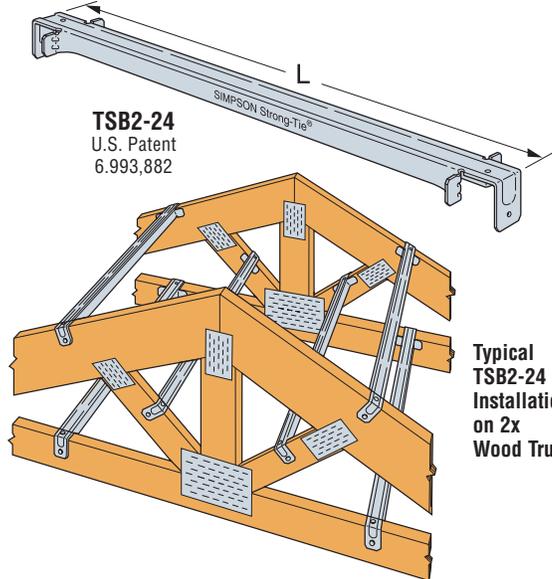
The Simpson Strong-Tie® Truss Spacer Bracer is an innovative lateral bracing product that meets or exceeds the prescriptive bracing recommendations of TPI/WTCA BCSI, with features not found elsewhere in the market.

- FEATURES:**
- The TSB “captures” the on-center spacing of the trusses, allowing quicker and safer installations.
 - Meets or exceeds the prescriptive tension and compression load recommendations of TPI/WTCA BCSI-06.
 - Can be used as Permanent Lateral Restraint and as Temporary Erection Lateral Restraint.
 - Has a low profile that can be sheathed over when used as erection restraint, eliminating the need to remove prior to sheathing.

MATERIAL: 22 gauge **FINISH:** Galvanized
INSTALLATION: • Use all specified fasteners; see General Notes.
CODES: See page 12 for Code Reference Key Chart.

Model No.	Fasteners (Total)	L	Allowable Loads ¹				Code Ref.
			DF/SP		SPF/HF		
			Compression	Tension	Compression	Tension	
TSB2-16	4-10dx1½	17½	540	425	465	365	160
TSB2-24	4-10dx1½	25½	540	425	465	365	

1. No load duration increase allowed.
2. **NAILS:** 10dx1½ = 0.148" dia. x 1½" long. See page 16-17 for other nail sizes and information.



TBD22 Diagonal Brace

NEW! The TBD22 diagonal truss brace offers a time-saving substitute for 2x4 diagonal bracing that helps meet the recommendations of TPI/WTCA BCSI. The TBD travels in a box like a flat strap, and is formed into an A-shape as it is pulled from the carton to provide rigidity and prevent sagging between trusses during installation. As it is fastened to the trusses the brace flattens, allowing sheathing to be installed right over it and saving the time typically needed to remove 2x4 bracing.

When installed on the top and bottom chords as well as the web planes, the TBD captures the lateral construction and wind forces delivered by the TSB truss spacer/bracer and transfers it diagonally in tension to the edge of the braced-truss system. When used in conjunction with the TSB, the TBD22 meets or exceeds the the recommendations set forth by the TPI/WTCA BCSI.

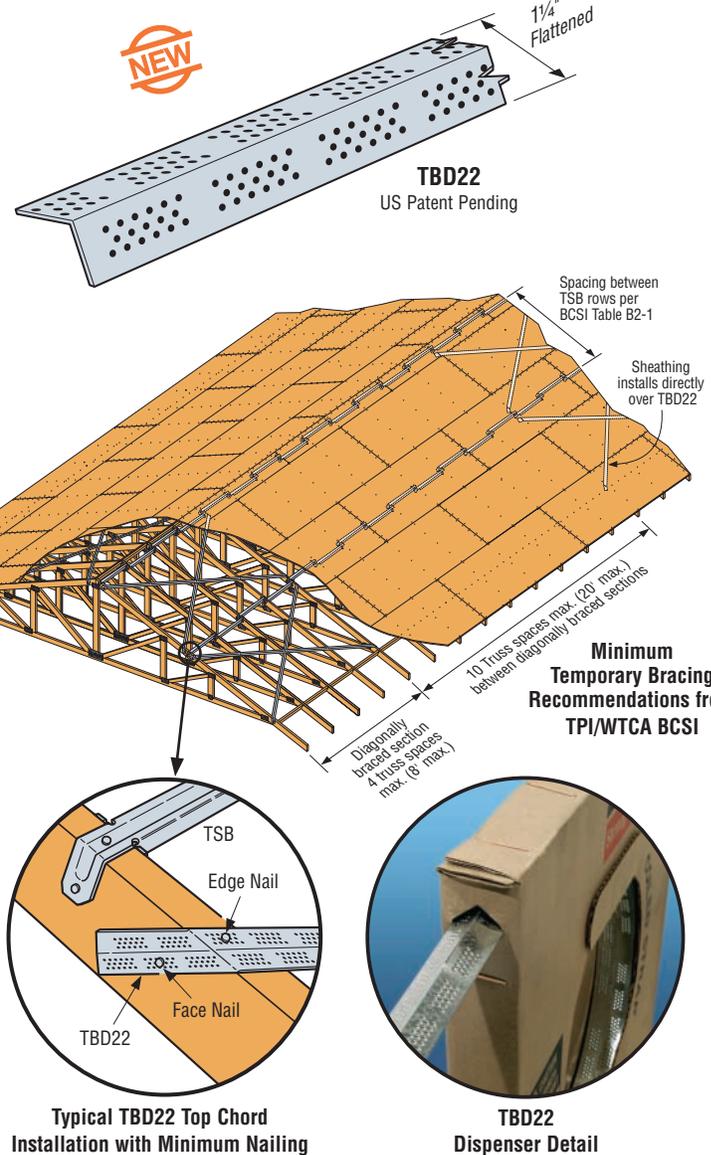
- FEATURES:**
- Helps meet prescriptive temporary bracing recommendations of the TPI/WTCA BCSI.
 - Rigid A-shape design virtually eliminates sagging between trusses spaced 16"-24" on center.
 - Can be sheathed over after installation, no need to remove bracing.
 - Dimpled nailing grid allows installation with standard pneumatic fasteners.
 - 160' of bracing in an easy-to-handle carton.

- MATERIAL:** 22 gauge **FINISH:** Galvanized
INSTALLATION: • Use all specified fasteners; see General Notes.
- Strap does not have holes for fasteners. Nails shall be installed in the dimpled areas and placed to maintain a minimum of ¼" strap edge distance and a minimum of ½" center to center distance. Nails should be installed in the center of the lumber narrow face and with a minimum edge distance of 1" on the lumber wide face.
 - TBD22 straps span diagonally at approximately 45°.
 - Strap shall not be slack, but tight and ready to engage in tension.
 - To resist construction forces, diagonal X-bracing is required at each end and every 10 truss spaces (20' max). Refer to WTCA/TPI BCSI for additional information.
 - At the end of the TBD braces trusses shall be laterally braced to resist out of plane forces.
 - Bracing locations shown in the drawing are recommendations for temporary bracing only. Installation of TBD braces for permanent lateral bracing shall be per the Building Designer.

CODES: See page 12 for Code Reference Key Chart.

Model No.	Fasteners		Allowable Tension Loads		Code Ref.
	Strap Ends	Intermediate Trusses	DF/SP	SPF/HF	
TBD20	Deleted - See TBD22				170
TBD22 ^{NEW}	1-10dx1½ in face and 1-10dx1½ in edge	1-10dx1½	430	390	
TBD22 ^{NEW}	2-10dx1½ in face and 1-10dx1½ in edge	1-10dx1½	565	520	

1. Allowable loads have been increased for construction and wind loading with no further increase allowed.
2. Minimum nailing meets or exceeds the temporary bracing recommendations of TPI/WTCA BCSI.
3. **NAILS:** 10dx1½ = 0.148" dia. x 1½" long. See page 16-17 for other nail sizes and information.



Plated Truss Connectors