

# TSB

## THE TRUSS SPACER BRACER



**Innovative, new bracing product that meets or exceeds current lateral bracing methods.**



The Simpson Truss Spacer Bracer is the only product of its type that "captures" the on center spacing.

The Simpson Truss Spacer Bracer can be used for temporary and permanent lateral bracing elements and does not require any field modification prior to installation.

The Simpson Truss Spacer Bracer resists tension and compression loads equal to or greater than HIB-91 prescriptive bracing recommendations.



800-999-5099 • www.strongtie.com

## TRUSS SPACER BRACER vs. WOOD BRACING

- The Simpson Truss Spacer Bracer is a consistently priced product unaffected by seasonal "spikes" in the random length lumber market.
- The Simpson Truss Spacer Bracer is comparably priced to 2x4 blocking based on the length of blocking material required to provide adequate end distance nailing per NDS.
- The Simpson Truss Spacer Bracer can be left in place when used as Temporary Lateral Bracing.
- Sheathing over the Simpson Truss Spacer Bracer eliminates the labor needed to remove the Temporary Erection Bracing.
- The Simpson Truss Spacer Bracer uses two (2) 1½" x 10d nails in each end rather than 16d nails prescribed in HIB-91 improving installation time.
- The Simpson Truss Spacer Bracer eliminates the additional time required to measure the spacing on each truss or laying out lateral erection bracing prior to installation, improving cycle time.
- The Simpson Truss Spacer Bracer is easier to install than wood bracing for web member lateral bracing. No more threading long wood braces through trusses.
- The Simpson Truss Spacer Bracer can be applied to the bottom of the bottom chord of scissor trusses, easing installation of bottom chord lateral bracing. When applied to bottom, the TSB will not support vertical loads.
- The Simpson TSB2-24 is designed to space and brace trusses 24" on center with a material thickness of 1½". Wood material inconsistencies may affect truss spacing and plumb.

### • COST ANALYSIS:

**\$400/K Lumber Cost X 1.556 (Bd. Ft. of Block) = .62 /Brace Material Cost.**

**\$40.00/hr (Labor Rate) X 20 seconds (Time to remove Temporary Bracing) = \$0.22 (Material removal cost).**

Add cost of jobsite waste removal or add cost of removing nails to re-use blocking.

**\$40.00/hr (Labor Rate) X 20 seconds (Lost time sheathing the roof, removing Temporary Lateral Bracing) = \$0.22 (Cost of increased cycle time).**

The cost of using 2x4 material is \$1.06 if only one man is waiting for the blocking to be removed. Add in additional crane time and the TSB becomes the clear choice for bracing needs.

- The Simpson Truss Spacer Bracer has tested values with a safety factor of 3 applied.
- The Simpson Truss Spacer Bracer can support a one time, short term, vertical load of 225 pounds. This safety element may prevent an accidental fall in the event of the installer stepping on the properly installed brace.



Contact your Simpson Strong-Tie representative for more information.