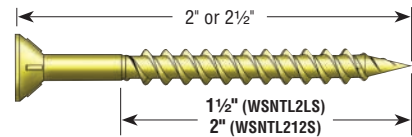


# QUIK DRIVE® FASTENERS AND ATTACHMENTS

## WSNTL COLLATED SCREW SYSTEM

Simpson Strong-Tie® Quik Drive auto-feed screw driving systems offer superior performance and reduced installation time in subfloor applications. The holding power of screws reduces the gaps that cause floor squeaks and the tool extension enables stand-up-and-drive installation.



## Allowable Shear in Pounds per Foot for Horizontal Plywood Diaphragms with WSNTL2LS or WSNTL212S Screws and Douglas Fir-Larch or Southern Pine<sup>1,6</sup> Framing

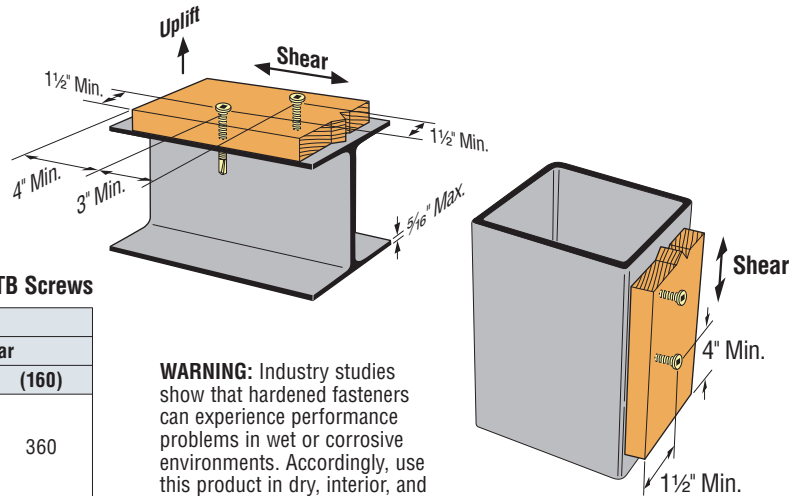
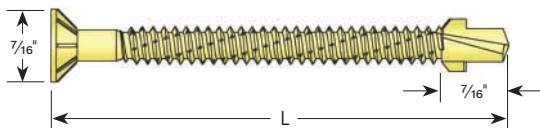
**CODE LISTED: ICC-ES ER-5053**

Panel Grade	Panel Thickness	Minimum Nominal Width of Framing Member	BLOCKED DIAPHRAGMS <sup>2</sup> Screw spacing at diaphragm boundaries (all cases), at continuous panel edges parallel to load (Cases 3 and 4), and at all panel edges (Cases 5 and 6)				UNBLOCKED DIAPHRAGMS Screws spaced 6 inches, maximum, at supported edges <sup>2</sup>	
			6	4	2½ <sup>3</sup>	2 <sup>3</sup>	Case 1 (No unblocked edges or continuous joints parallel to load)	All other configurations (Cases 2, 3, 4, 5 and 6)
			Screw Spacing at Other Panel Edges <sup>2</sup>					
Structural I	1½/32	2	320	425	640	730	285	215
		3	360	480	720	820	320	240
Sheathing, single floor and other grades covered in DOC PS1 and PS2 <sup>7</sup>	1½/32	2	290	385	575	655	255	190
		3	325	430	650	735	290	215
	19/32	2	320	425	640	730	285	215
		3	360	480	720	820	320	240
	1⅛ <sup>4,5</sup>	2	320	425	640	730	285	215
		3	360	480	720	820	320	240

1. Minimum fastener penetration of 1¼" into the framing member is required.
2. For IBC wind design, shear capacities may be increased 40% per IBC 2306.3.1. For normal loading, shear capacities shall be reduced 25%. These two adjustments are not included in the Code Report.
3. Space screws at 12" on center along intermediate framing members or as required by design to resist wind suction forces on roofs where applicable.
4. Framing at adjoining panel edges must be 3 inches nominal or wider, and screws must be staggered where screws are spaced 2" or 2½" on center.
5. When noted in the table, WSNTL212S screws required.
6. The values for this application are not included in the Code Report.
7. See 2003 IBC chapter 23 for additional requirements and information.
8. Allowable withdrawal loads, based on thread penetration into the main member, are **151 lb/in** for SP, **125 lb/in** for DF, and **88 lb/in** for SPF. Values may be increased as permitted by the applicable building code.

## TB COLLATED SCREW SYSTEM

Simpson Strong-Tie Quik Drive auto-feed systems with TB series collated screw strips are a fast and reliable way to fasten wood to steel members. They are self-drilling so no predrilling is required.



## Allowable Loads for Wood Attachment to Steel with Quik Drive TB Screws

Model No.	L (mm)	Wood Size	DF/SP Allowable Load			
			Uplift		Shear	
			(100)	(160)	(100)	(160)
TB1460S	2⅜" (60)	2x	250	400	225	360
TB1475S	3" (75)					

1. For use with structural steel members up to 5/16" thick or cold-formed steel members 16 gauge (54 mil) or thicker.
2. Standard product available in a black phosphate, yellow zinc dichromate or N2000 finish for additional corrosion protection (TBG1460S or TBG1475S).
3. For use with 2x (1½") DF/SP only.
4. For use with QD HSD60 or HSD75 Tool.

**WARNING:** Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use this product in dry, interior, and noncorrosive environments only.

## Designing with Steel?

If you are designing a structure using Cold-Formed Steel, comprehensive design information on using connectors, Simpson Strong-Tie Anchor Systems® products and Quik Drive® screws in your project can be found in the latest issue of the Simpson Strong-Tie *Cold-Formed Steel Connectors* catalog (form C-CFS, see page 191 for details). You can access this information via the web at [www.strongtie.com](http://www.strongtie.com).



For more information visit [www.strongtie.com](http://www.strongtie.com)