

DBT1Z/DJT14Z/DPTZ Deck-Tie® Connectors**SAFE DECK BUILDING PROCEDURES**

Always comply with building codes, which may regulate distances, foundation materials, spacing, loads, etc. Consult a professional for a high-level or cantilevered deck, or one over unstable soil or water. Minimize wood splitting by flattening nail points or drilling pilot holes. Follow the manufacturer's guidelines for tools and materials.

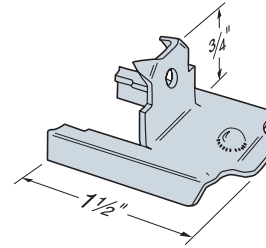
MATERIAL: DBT1Z—18 gauge; DPT5Z, DPT7Z, DJT14Z—14 gauge

FINISH: ZMAX® finish; see Corrosion Information, page 10-11.

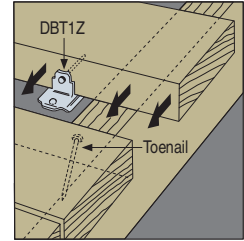
INSTALLATION: • Use specified HDG fasteners. See General Notes.

- **DBT1Z** Deck Board Tie: Position the DBT1Z with the locator prongs and install with a single 10dx1½" HDG nail. Other edge of deck board shall be toenailed (see drawing). Using dry lumber will minimize deck board movement after installation. Works with 2x deck boards, 5/4 deck boards (*pre-drilling may be required*), or composite deck boards a minimum 1" thick (*pre-drilling may be required*). To check number of DBT1Z multiply number of joists by number of deck boards. The DBT1Z will not prevent cupping, bowing or warping of deck boards.
- **DPT5Z, DPT7Z** Deck Post Ties: Testing shows similar strength and deflection limits when compared with 4x4 posts attached to 2x8 rim joists with two ½" machine bolts placed 3½" apart.
- **DPT5Z and DPT7Z:** Install in pairs at a recommended minimum center-to-center spacing of 5'. Use two ¾" through bolts and 10dx1½" HDG nails for DPT5Z (5–10d commons for DPT7Z) per tie.
- Recommended: install on post and then attach to deck. Post size: DPT5Z, 2x4; DPT7Z, 4x4. Check with local building officials for minimum post spacing.
- **DJT14Z** Deck Joist Tie: Recommended: install on post first. Minimum 2x4 joist, 4x4 post.

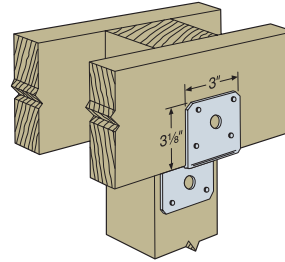
CODES: See page 12 for Code Reference Key Chart.

**DBT1Z**

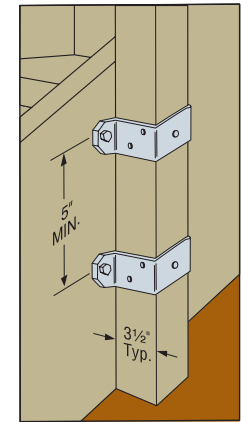
U.S. Patent 5,027,573
Canada Patent 2,015,733



Typical DBT1Z Installation.
Connectors slide under anchored deck board.



Typical DJT14Z Installation



Typical DPT7Z Stairway Installation
(DPT5Z similar)
U.S. Patent 5,150,982

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson for details.

Model No.	Fasteners			Allowable Loads				Code Ref.
	Nails	Qty	Bolts	Floor (100)	Roof (125)	Floor (100)	Roof (125)	
DJT14Z	8-16d	2	5/8 MB	1100	1375	1400	1400	7, 121

1. Loads are for one DJT14Z.
2. Roof loads are 125% of floor loads. Floor loads may be adjusted for other load durations according to the code, provided they do not exceed the roof loads.
3. **NAILS:** 16d = 0.162" dia. x 3½" long. See page 16-17 for other nail sizes and information.

DECK SPACERS™ Deck Board Spacing

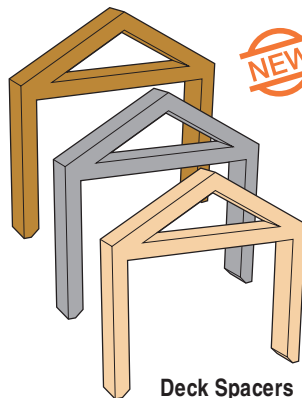
Deck Spacers are small plastic spacers that easily clip onto deck joists during installation to ensure evenly spaced deck boards, enabling quicker installation and reducing labor costs. Deck Spacers are ideal for composite decking and help meet manufacturer warranty requirements. They stay on the joist permanently to help shed debris and moisture off of deck joists for easier wet or dry cleaning. For more information request flier F-DECKSPCR (see page 187 for details).

Features:

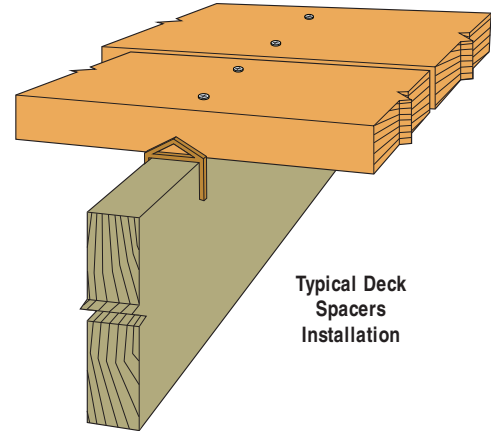
- Provides permanent deck board spacing.
- Quickly and easily snap into place.
- Meet composite decking warranty requirements for spacing.
- UV materials last the life of deck.
- 3 colors to match decking:
Gray, Brown and Tan.

INSTALLATION:

- Position the first deck board and fasten. Position Deck Spacers on the deck joists, and slide next deck board snugly against the spacer.
- Fasten deck board with appropriate fasteners and repeat the process.

**Deck Spacers**

U.S. Patent 6,647,638



Typical Deck Spacers Installation

Model No.	Spacing Thickness (in)	Color	Package Quantities
DSGRAY-R100	¼	Gray	100
DSGRAY-R500			500
DSBRN-R100		Brown	100
DSBRN-R500			500
DSTAN-R100		Tan	100
DSTAN-R500			500