

## DBTC CONCEALED DECK-TIE®

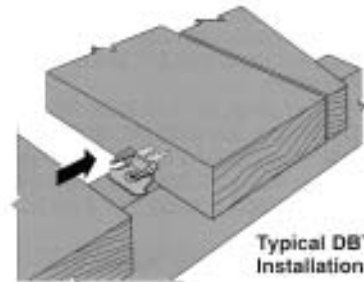
**MATERIAL:** 18 gauge

**FINISH:** Z-MAX; also available in Stainless steel

- Works for both 5/4" and 2x decking material.
- Works with composite of wood and plastic, not for solid plastic decking.
- Hidden from above and below the deck.
- Attaches to joist with #7x1 1/4" bugle head wood screw.
- Hole is counter sunk to reduce the reveal from the screw.
- Position quickly and accurately with installation tool included in the kit.



DBTC



Typical DBTC Installation

## DBT/DJT/DRT/DPT 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:** DBT1, DRT8-18 gauge; DPT5, 6, 7, DJT14-14 gauge

**FINISH:** Z-MAX; see Corrosion Resistance, page 5.

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

- **DBT1** Deck Board Tie: Position the DBT1 with the locator prongs and install with a single 10d or 10d $\times$ 1 1/2" nail. Using dry lumber will minimize deck board movement after installation. Works with 2x deck boards. Pre-drilling recommended for 5/4 deck boards. To check number of DBT1 multiply number of I-joists by number of deck boards.
- **DPT5, 6, 7** Deck Post Ties: Testing shows similar strength and deflection limits when compared with 4x4 posts attached to 2x8 rim joists with two 1/2" machine bolts placed 3 1/2" apart.
- **DPT6**: Use 18-16d commons, 8 angled and 10 straight. Recommended: attach to deck first, then to 4x4 post.
- **DPT5 and DPT7**: Install in pairs at a recommended minimum center-to-center spacing of 5'. Use two 3/8" through bolts and 10d $\times$ 1 1/2" nails for DPT5 (5-10d commons for DPT7) per tie.
- Recommended: install on post and then attach to deck. Post size: DPT5, 2x4; DPT7, 4x4. Check with local building officials for minimum post spacing.
- **DJT14** Deck Joist Tie: Recommended: install on post first. Minimum 2x4 joist, 4x4 post.
- **DRT8** Deck Railing Tie: Eliminates nailing into the top of hand railing. Attaches 2x4 and 2x6 hand railing to posts. Use four #8x1 1/4" flathead wood screws. Drive prongs into post, then two screws into the post and two screws into the railing.

**CODE:** BOCA, ICBO, SBCCI NER-443.

Model No.	Fasteners			Avg Ull	Allowable Loads			
	Nails	Bolts			Nails		Bolts	
		Qty	Dia		Floor (100)	Roof (125)	Floor (100)	Roof (125)
DJT14	8-16d	2	3/8 MB	4550	1100	1375	1400	1400

1. Loads are for one DJT.
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.

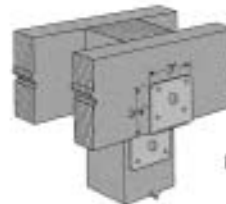


DBT1

U.S. Patent 5,827,573  
Canada Patent 2,015,733



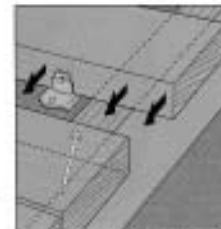
Typical DRT8 Post-to-Railing Installation  
U.S. Patent 5,160,211



Typical DJT14 Installation



Typical DPT6 Installation  
U.S. Patent 5,158,982



Typical DBT1 Installation. Connectors slide under anchored deck board.



Typical DPT5 Stairway Installation (DPT7 similar)

## TA STAIRCASE ANGLES

For use in structurally-sound staircase framing. The TA eliminates costly conventional notching.

**MATERIAL:** 12 gauge.

**FINISH:** Galvanized

**CODE:** Dade Co, FL 99-0713.05.

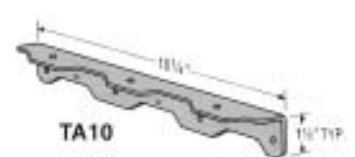
Model No.	Fasteners		Avg Ull	Allowable Download (100)
	Stringer	Tread		
TA9	3-SDS 3/8" x 1 1/2"	2-SDS 3/8" x 1 1/2"	5400	315
TA10	3-SDS 3/8" x 1 1/2"	4-SDS 3/8" x 1 1/2"	5400	315
TA10	4-SDS 3/8" x 1 1/2"	3-SDS 3/8" x 1 1/2"	5400	415

1. Loads may be adjusted for other load durations according to the code.
2. See page 8 for SDS information.
3. 1/2" lag bolts may be used. Follow the code requirements for predrilling.



TA9

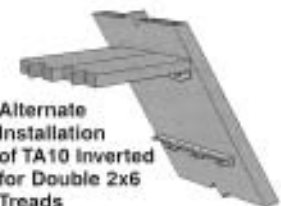
U.S. Patent 4,367,973



TA10



Typical TA9 Installation



Alternate Installation of TA10 inverted for Double 2x6 Treads