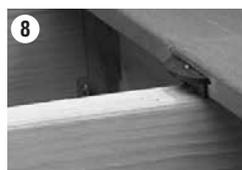


EB-TY® Hidden Deck Fastening Systems

Installing the First Board

1. Apply a bead of exterior construction adhesive to each joist—about $\frac{3}{8}$ " wide.
2. Fasten one side of the first deck board using screws and plugs. Use a $\frac{1}{8}$ " drill bit with a $\frac{3}{8}$ " countersink. Drive in a #7 x $2\frac{1}{4}$ " stainless trim-head screw (included) at each joist of the first deck board.
3. Glue and insert $\frac{3}{8}$ " Ipe Tapered Wood Plugs (included) into each countersunk hole. Remove any part of the wood plug that protrudes, using a saw or belt sander. Wood Plugs not used with EB-TYP product.
4. If using pre-grooved decking please disregard the next two bullets (turn page over for pre-grooved decking details.)
5. Cut a slot in deck board at each joist and deck board intersection using a $\frac{1}{8}$ " router bit or plate joiner (biscuit cutter #20).
6. Adjust router or plate joiner (biscuit cutter) height so that the bottom edge of the fastener is flush with the bottom of the deck board. If using pre-grooved decking, no slot is necessary.
7. Drill an angled $\frac{1}{8}$ " pilot hole for each screw when installing hardwood decking. Pilot hole not necessary with EB-TYP product.
8. Place fasteners in the slots at each joist. Install one #7 x $2\frac{1}{4}$ " stainless trim-head screw (included) in each fastener at a 45-degree angle. Tighten snugly to the EB-TY fasteners. Fastener installed at 90-degree angle in EB-TYP product.

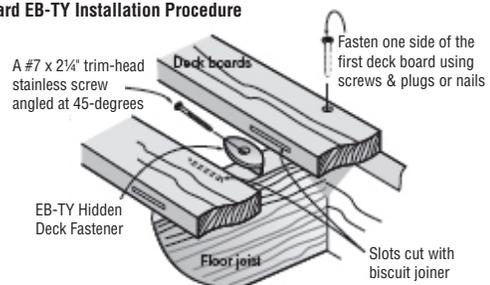


Installing Additional Deck Boards

1. Apply a bead of exterior construction adhesive to each joist, approximately $\frac{3}{8}$ " wide.
2. Cut a slot at each intersection with joist on each side of the next board.
3. Place the board so the slot slips over the exposed fasteners. Use a BoWrench® or a clamp to straighten boards, if necessary.
4. Place EB-TY fasteners in the slot at each joist. Install one #7 x $2\frac{1}{4}$ " stainless trim-head screw (included) in each fastener at a 45-degree angle (90-degree angle for EB-TYP product). Tighten snugly to the EB-TY fasteners.
5. Repeat above process until all decking is fastened, with the exception of the final outside board. Install the final outside board by cutting slots only on the inside of the board and tighten snugly to the EB-TY fasteners.

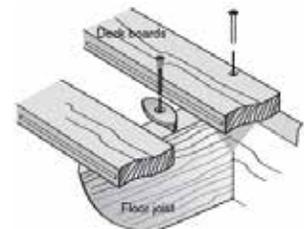


Standard EB-TY Installation Procedure



EBTYP Installation Procedure

1. Screw down the outer edge of first deck board using color coordinated stainless fastener.
2. Place EB-TY fasteners in deck board slots at each joint.
3. Drive included $2\frac{1}{4}$ " fastener at a 90-degree angle flush to the top of EB-TY fastener.
4. Slide next deck board over exposed EB-TY fastener.



EB-TY® is a registered trademark of Blue Heron Enterprises, LLC. BoWrench® is a registered trademark of Cepco Tools, Inc.

This technical bulletin is effective until June 30, 2017, and reflects information available as of June 1, 2014. This information is updated periodically and should not be relied upon after June 30, 2017; contact Simpson Strong-Tie for current information and limited warranty or see www.strongtie.com.

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T-F-EBTYINSTL14 6/14 exp. 6/17

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www.strongtie.com

EB-TY® Hidden Deck Fastening Systems

Helpful Hints

The following hints may not necessarily pertain to your individual building project. If you require more specific information, please contact your building-material supplier, Simpson Strong-Tie.

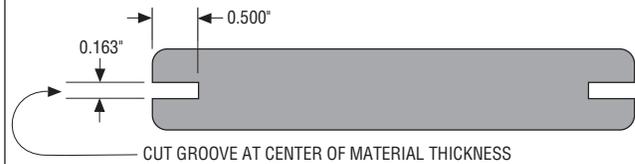
- Drill an angled pilot hole when installing hardwood decking to avoid splintering and ensure the decking is pulled tight to the joist.
- Use construction adhesive. It not only provides additional holding power but also acts as an insulator, helping eliminate squeaking after your deck boards have settled.
- Use a urethane dead-blow hammer, a clamp or a BoWrench® to help maintain a uniform, even joint.
- Use a conventional “biscuit” to help align the butt ends of two decking boards of uneven thickness.
- Tighten screws so the screw head is slightly recessed or flush with fastener. Do not over tighten.
- Lay decking material on the deck joists long enough to allow the decking material to acclimate to the site conditions and minimize shrinkage. Use an alternate fastener if shrinkage exceeds 50% of the width.

Whether you choose wood, such as Ipe, or man-made composites we have the EB-TY® Hidden Deck-Fastening System for your next project.

ATTENTION BUILDER

Please review the decking material installation instructions provided by the lumber supplier and/or manufacturer prior to installing the EB-TY fasteners. The fasteners are designed to accommodate special board spacing and board thickness. Allow moisture in the deck board to reach the ambient moisture level of the surroundings prior to installation. Adequate airflow and proper ventilation beneath your decking is important to the long-term stability of your decking.

Bring the schematic below to your lumber yard. They will use it to pre-groove your decking material to accept EB-TY® fasteners.



Fasteners/Square Foot Chart

Count the number of joists and multiply by the number of deck boards. To determine the number of deck boards, divide deck width in inches by the width of the boards (3.5, 5.5, etc).

Dimensions	Number of Hidden Deck Fasteners needed per square foot
3.5 boards w / 16" o.c. joists	2.75
5.5 boards w / 16" o.c. joists	1.75
3.5 boards w / 24" o.c. joists	2.00
5.5 boards w / 24" o.c. joists	1.00

EB-TY® Mini Jr. (EBE007MINI)

The EBTYMI fastener has a lower profile height than EB-TY Original Hidden Deck Fasteners and is for use with 1 1/16"+ thick decking material. Automatically provides 3/32" spacing (keel thickness) between deck boards.



Fastener Dimensions:

Height: 13/32"
Width: 1"
Length: 2-3/8"
Thickness: .140"
Spacing: 3/32"

EB-TY® L.C. “Live Cylinder” (EBE005LC)

Designed for use with kiln-dried decking, composites and natural woods that expand as moisture level increases with temperature increases. The EBTYLC fastener can absorb as much as 3/32" expansion of the deck material. Can be custommade in any color.



Fastener Dimensions:

Height: 1/2"
Width: 1"
Length: 2-3/8"
Thickness: .140"
Spacing: 1/4"

EB-TY® L.C. Jr. “Live Cylinder” (EBE006JR)

The L.C. Jr. fastener has a lower profile height than the EBTYLC and is for use with 1 1/16"+ thick decking material. The EBTYJR provides the same expansion-absorbing capability as does the EBTYLC fastener: It can absorb as much as 3/32" expansion of the deck material. Can be custom-made in any color. Automatically provides 1/4" spacing (keel thickness) between deck boards.



Fastener Dimensions:

Height: 13/32"
Width: 1"
Length: 2-3/8"
Thickness: .140"
Spacing: 1/4"

EB-TY® Composite Decking (TP015)

The EBTYP can be used with solid or pre-grooved composite deck boards 1 1/16"+ and automatically provides 3/16" spacing (keel thickness) between deck boards.



Fastener Dimensions:

Height: 13/32"
Width: 7/8"
Length: 2-3/8"
Thickness: .140"
Spacing: 3/16"

EB-TY® Original (EBE004)

For use with 1"+ deck boards, including Ipe, redwood, cedar, CorrectDeck® Classic, composites, etc. Can be custom-made in any color. Automatically provides 3/32" spacing between deck boards.



Fastener Dimensions:

Height: 1/2"
Width: 1"
Length: 2-3/8"
Thickness: .140"
Spacing: 3/32"

EB-TY® Original “Big” (EBE002)

This larger version of the original fastener works well with thicker boards, such as 2x4 and 2x6 decking material, making it ideal for heavy-duty applications including docks, boardwalks, etc. Can be custom-made in any color. Automatically provides 1/4" spacing (keel thickness) between deck boards.



Fastener Dimensions:

Height: 5/8"
Width: 1-9/32"
Length: 2-9/32"
Thickness: .140"
Spacing: 1/4"