

# DECKLOK BRACKET SYSTEM

## Installation Instructions

Visit [www.deck-lok.com](http://www.deck-lok.com) for information, illustrations, and further mounting instructions.

### **Anchoring Ledger Board to House:**

From inside the house, mark for the center bolt of the DeckLok Bracket and drill through the rim joist and the ledger board space. Install bolt through center hole with flat washer. Select two diagonally opposed bolt holes; mark and drill through the house floor joist, and install two, 1/2" diameter bolts. Repeat center hole steps above for second DeckLok Bracket, and sandwich the house floor joist between the two DeckLok Brackets. Secure with flat washers on both sides, lock washers, and nuts. Tighten.

### **Rail Post adjacent to the Deck Joist:**

Install the rail post as usual with the mounting bolts. Slide the DeckLok Bracket on to the top bolt; place the base of the DeckLok Bracket against the rim joist, and hold the side of the DeckLok Bracket against the deck joist. Select two diagonally opposed bolt holes; mark and drill through the deck floor joist, and install two, 1/2" diameter bolts, flat washers, lock washers, and nuts. Tighten.

### **Rail post located between Deck Joists:**

Install rail post as usual with two mounting bolts, adding an additional block flush with the inside of the rim joist, between the existing deck joists. Position a single DeckLok Bracket on each side of the joist bay. Place the DeckLok Bracket against the rim joist as close to the top of the deck joist as possible, mark and drill through the center bolt hole of the DeckLok Bracket. Install bolt with washer from outside, securing inside with washer, lock washer and nut. Tighten. Select two diagonally opposed bolt holes per Bracket; mark and drill through the deck joist, and install two, 1/2" diameter bolts, flat washers, lock washers, and nuts. Tighten.

### **Corner rail post:**

Install rail post with two mounting bolts; one from each direction (one high & one low). Position a DeckLok Bracket on each side of the post bolts to center hole of the DeckLok Bracket, install flat washers, lock washers, nuts, & tighten. Select two diagonally opposed bolt holes; mark and drill through the deck floor joist, and install two, 1/2" diameter bolts, flat washers, lock washers, and nuts. Repeat for second Bracket. Tighten.

### **Stair Stringers:**

#### **If your stairs have only two stringers:**

Place one DeckLok Bracket on each of the two stringer. Place a Bracket against both the rim joist and the inside of the stair stringer. Mark and drill three holes; two diagonally opposed on the stringer, and one into the rim joist. Install three, 1/2" diameter bolts, flat washer, lock washers, and nuts. Tighten. Installation requires 2 DeckLok Brackets, one per stringer.

#### **If your stairs have a center, or more than three stringers:**

Sandwich the center stringer between two DeckLok Brackets. Mark and drill through the center bolt hole of one Bracket, through the rim joist, and mount Bracket using 1/2" bolt. Select two diagonally opposed bolt holes on the stringer; mark and drill through the stringer, and install two, 1/2" diameter bolts, slide the other DeckLok Bracket onto the two protruding 1/2" bolts and drill center bolt hole in rim joist. Add flat washers, lock washers, and nuts. Tighten.

### **Instructions for use with Engineered Lumber; I-Joists:**

I-Joists must be reinforced with web stiffeners made from 2" x 8" blocks cut to length. Leave 1/8" minimum gap at top plate. (See joist manufacturer's guide for recommended details on modifying or strengthening product.) Using construction adhesive, affix and screw block to each side of the web. Follow the general instructions above to install DeckLok Brackets to the reinforced I-Joist.

### **Instructions for use with Engineered Trusses:**

2" x 4" Trusses must be reinforced with plates made from 1/2" Plywood, cut to squares of the overall height of the truss. (See truss manufacturer's guide for recommended details on modifying or strengthening product.) Using construction adhesive, affix and screw a plate to each side of the truss. Follow the instructions above to install DeckLok Brackets to the reinforced truss.

### **Installation Notes:**

- **Use 1/2" diameter hardware; bolts, flat washers on each side, lock washers, and nuts.**
- **Triple layer on bracket mounts towards lateral force.**
- **Always read and follow the Product Recommendations provided by Treated Lumber Producers.**
- **Railings - Brackets must always be installed on upper post mounting bolt.**

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Questions or comments? 866-617-DECK (3325)