



# STRUCTURAL LOCK BRACE

Build Stronger, Span Longer



- » Reinforces existing structures
- » Does not warp, rot, expand or contract in weather cycles
- » Stronger than wood
- » High wind resistance - ideal for building or reinforcing decks on the ocean or on a mountain side
- » Distributes weight - ideal for added strength under hot tubs, heavy grills, furniture, etc.
- » Used as a knee brace



# Built-Up Beams



## BRACE BEAM PLATE

*Fasteners included*

## BRACE SADDLE PLATE

*Recommended for high-wind & coastal areas*

Double 2X's  
 Triple 2X's  
 Quadruple 2X's  
 Double LVL's  
 Triple LVL's  
 Quadruple LVL's

3 1/8" x 18" x 1/4"  
 4 5/8" x 18" x 1/4"  
 6 1/8" x 18" x 1/4"  
 3 5/8" x 18" x 1/4"  
 5 3/8" x 18" x 1/4"  
 7 1/8" x 18" x 1/4"

3 1/8" x 4" x 11 1/2" x 12ga  
 4 5/8" x 4" x 11 1/2" x 12ga  
 6 1/8" x 4" x 11 1/2" x 12ga  
 3 5/8" x 4" x 11 1/2" x 12ga  
 5 3/8" x 4" x 11 1/2" x 12ga  
 7 1/8" x 4" x 11 1/2" x 12ga

# Sandwich Beams



## BRACE BEAM PLATE

*Fasteners included*

## BRACE SADDLE PLATE

*Recommended for high-wind & coastal areas*

4x4 with 2X's on outside  
 4x4 with LVL's on outside  
 6x6 with 2X's on outside  
 6x6 with LVL's on outside  
 8x8 with 2X's on outside  
 8x8 with LVL's on outside

6 5/8" x 18" x 1/4"  
 7 1/8" x 18" x 1/4"  
 8 5/8" x 18" x 1/4"  
 9 1/8" x 18" x 1/4"  
 10 5/8" x 18" x 1/4"  
 11 1/8" x 18" x 1/4"

6 5/8" x 4" x 11 1/2" x 12ga  
 7 1/8" x 4" x 11 1/2" x 12ga  
 8 5/8" x 4" x 11 1/2" x 12ga  
 9 1/8" x 4" x 11 1/2" x 12ga  
 10 5/8" x 4" x 11 1/2" x 12ga  
 11 1/8" x 4" x 11 1/2" x 12ga

# Technical Info

Allowable shear load of 5460 lb using Douglas Fir/Spruce Fir and 3900 lb using Spruce Pine Fir/Hemlock Fir. Allowable loads are shown at the wood load duration factor of Cd = 1.00. Loads may be increased for load duration up to a Cd = 1.60. Allowable withdrawal load for DF/SP/SCL is 172 lb/in and for SPF/HF withdrawal is 121 lb/in. Total withdrawal load is based on actual thread penetration into the main member. Fasteners are acceptable for treated wood.

