

Anthony Power Beam[®]

Connections for Two-Piece 3½" Wide Anthony Power Beams

For Top-Loaded Applications

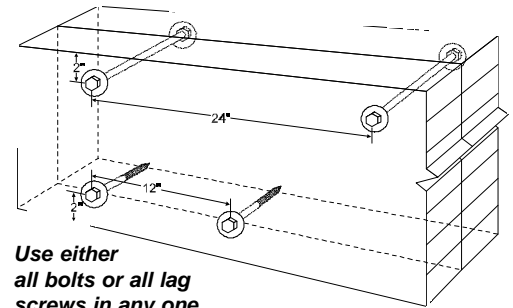
Minimum Connection Required:

Two rows of ½" Diameter Lag Screws⁽³⁾ or Bolts⁽⁴⁾ at 24" on center staggered.

For Side-Loaded Applications

Maximum Uniform Load Applied to Either Side:

Two Rows Spaced At:	24" o.c.	12" o.c.
Lag Screws ⁽³⁾	500 plf	1000 plf
Bolts ⁽⁴⁾	920 plf	1840 plf



Use either all bolts or all lag screws in any one connection — do not combine.

Notes:

1. Verify adequacy of beam in uniform load tables.
2. Values listed are for 100% load duration. An increase of 15% for snow load roof applications or 25% for non-snow roof conditions is allowed where permitted by the building code.
3. Lag screws are to be ½" diameter x 7" of material conforming to ASTM Standard A307 with a minimum bending yield strength of 45,000 psi. A 3/8" lead hole is required for each lag screw. Turn lag screws tight with a wrench to achieve full penetration. **Do not hammer.** A standard cut washer is required between the wood and screw head.
4. Bolts are to be of ½" diameter material conforming to ASTM Standard A307 with a minimum bending yield strength of 45,000 psi. Bolt holes are to be the same diameter as the bolt, and located 2" from the top and bottom of the member. A standard cut washer is required between the wood and bolt head and between the wood and nut.
5. Beams loaded from only one side must be restrained to minimize rotation.

For more information, please call Anthony Forest Products
(800) 221-2326 or fax (870) 862-6502



309 N. Washington ♦ PO Box 1877
El Dorado, AR 71730
<http://www.anthonyforest.com> ♦ anthony@cei.net