

Installation Guide

7-8244-1.5

Flange Thickness from .88" to 1.6"



The 7-8244-1.5 locking angle bar secures the BC-Series to structural I-Beams with flange thickness between .88" to 1.63". This replaces the supplied locking angle bar on the BC-series Beam Clamps.

Important:

Rigging overhead system requires professional experience. Improperly installed equipment can result in property damage, personal injury, death and/or liability to the installing contractor. Do not suspend if in doubt about the integrity of the structure.

Note:

Do not exceed the working load limit: refer to the BC-series beam clamp WLL.

Recommended Torque = 40-50 ft/lb

Contents:

Be sure that all of the following items are included in this kit before proceeding:

- 2 pcs Locking Angle Bar, .88"-1.63"
- 2 pcs Hex Tap Bolt 5/8-11x4" long
- 1 pc Installation guide

Installation Procedure:

Step:1

Remove and discard the locking angle bar that is supplied with the BC-series beam Clamp and replace with the 7-8244-1.5 sets of locking angle bar and hex bolts (Figure 1).

Step 2:

Determine the thickness of the I-Beam's flange to properly select right spacer plate to use. Remove the 5/8" nylock nut and flat washer to test fit the locking angle bar and spacers. Try a different combination of single, double or all three of the spacer plates (Figure 1).

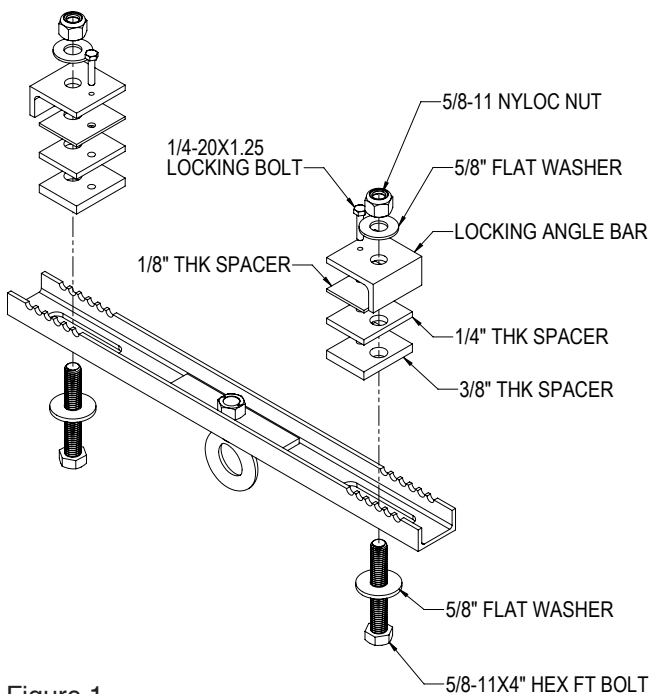


Figure 1

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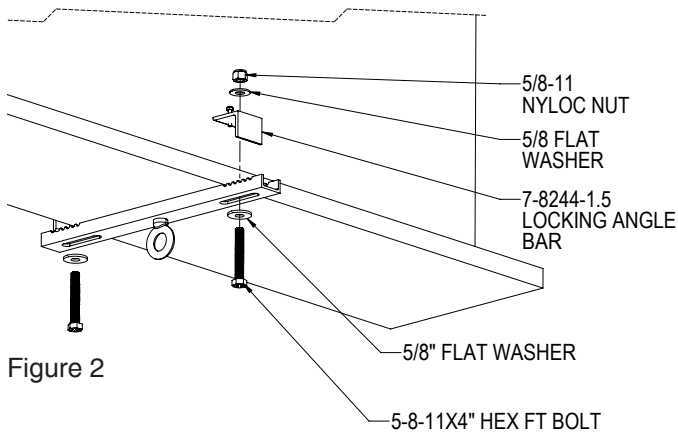


Figure 2

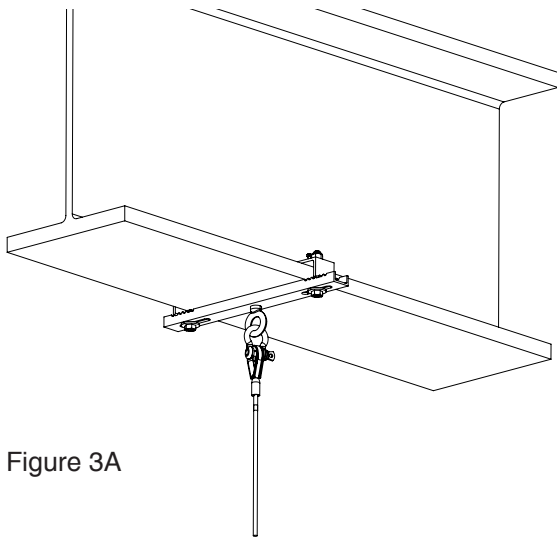


Figure 3A

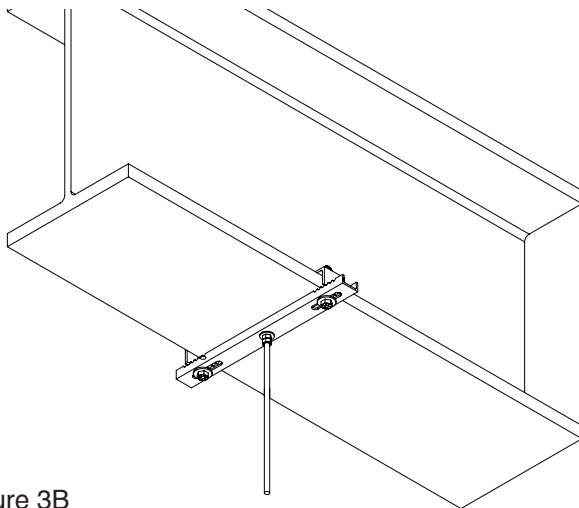


Figure 3B

Step 3:

Re-install the 5/8 nyloc nut and flat washer when the appropriate spacer plate is determined. Attach the beam clamp to the structure's I-beam. (Figure 1 and 2).

Step 4:

Center the channel on the bottom of the I-beam's flange. Position the locking channel angle tabs with the appropriate spacer plates above the I-beam's flanges. Slide the locking channel tabs against the sides and get the bolt as close as possible to the flanges. Make sure the locking channel tabs are seated on the channel's grooves. Tighten the nyloc nuts permanently (Figure 2 & 3).

Step 5:

Check all connections to make sure all bolts and nuts are tightened.

Step 6:

Attach equipment to the eye of the beam clamp (Figure 3A) or to the all-thread rod using load rated hardware (Figure 3B).

Note to installers:

Due to the wide variety of wall structures, materials and mounting methods, the installing contractor must exercise proper judgment in selecting the mounting area and hardware.

As a guide, the installation, when complete should be capable of supporting 5 to 10 times the actual applied load. Always use a backup safety system such as a safety cable.

To assure a trouble-free installation, read through and follow these instructions carefully before beginning. If you have doubts about the integrity of the structure you are mounting to or you are not sure about the proper hardware to use, consult a structural and/or hardware specialist.