



Concrete Beam Clamps Assembly Instructions

(Assembly Parts List)

Part Description	Quantity
Left mounting bracket	1
Right mounting bracket	1
Bottom Bracket	1
1/2" x 1-1/2" carriage bolts	2
1/2" flat washer	6
1/2" Stover nut	2
1/2" x 2 -1/2" bolt	4
Machine bolt expansion shields	4

Before You Begin Assembly

1. Check to make sure you have all parts listed above for your beam clamp.
2. You will need the following tools for installation:
 - 3/4" wrench
 - Drill motor
 - Pencil
 - 7/8" masonry drill bit

Assembly Instructions

1. Assemble the beam clamp by inserting the two 1/2" x 1-1/2" carriage bolts into the slots in the bottom bracket.
2. Slide the left and right mounting brackets onto the carriage bolts.
3. Put on the two flat washers and the Stover nuts. Do NOT tighten the nuts completely at this time.

Note: This beam clamp is designed to fit square or tapered beams for 5" to 7" wide. For beams that are larger or smaller than this, contact a Springboards and More representative. Special clamps will be needed to accommodate those beams. Do not attempt to modify this clamp for larger or smaller beams. Doing so will void your warranty and could create a safety hazard.

Installation Instructions

1. Before beginning installation, inspect the concrete beam to see if it will withstand the stress of the equipment to be used with the clamp. If there is any doubt, do not begin installation. Consult a structural engineer or a building contractor for further advice.
2. If the concrete beam proves to be adequate, hold the beam clamp in the desired position on the beam. Using a pencil, trace the outline of the four holes in the mounting brackets on the beam.
3. Using a drill and a 7/8" masonry drill bit, drill holes approximately 3-1/2" deep in the four locations. Blow out all dust particles from the holes.
4. After all the drilling operations are complete, insert the machine bolt expansion shields into the drilled holes. Put the flat washers on the 1/2" bolts and insert the bolts through the mounting brackets into the expansion shields in the concrete beam. Securely tighten these bolts.
5. Tighten the Stover nuts on the carriage bolts securely to complete installation.
6. Before use of the clamp, test the clamp and the beam. Test the installations with approximately twice the maximum normal loading. For example: if the concrete beam clamp is to be used with a climbing rope, have two people hang on the bottom of the rope together and jump up and down. After this is done a number of times, recheck the concrete beam for any hairline cracks or chips. Check the clamp for loose fasteners. If there are no problems, the equipment is ready for use.

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Caution: Check the concrete beam clamp every three months for loose fasteners and any beam cracking or chipping. If any beam or clamp deformation or damage is found, discontinue use of this equipment immediately. Continued use of damaged equipment creates a severe safety hazard that may cause serious injury or even death to the user!

Use of an overhead-spotting rig should be done only under the close supervision of a trained and competent instructor. Know your limitations and the limitations of the equipment you are using. Consult the U.S. Diving Safety Manual or visit the U.S. Diving Website (www.usdiving.org) for more information about spotting safety and safety spotting clinics.