



### Special points of interest:

- Certification
- Beam Clamps
- Concrete Anchors
- Standards Watch

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## I Have A Beam, Now What?

Without a doubt, the quickest and simplest way to attach a suspended load to an I-Beam is with a beam clamp. Beam clamps come in various designs;



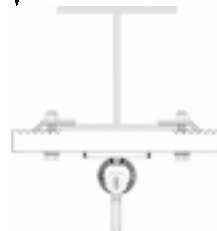
Light Duty Clamp



Med Duty Clamp

Light duty clamps generally support a WLL up to 1000 Lbs/454 kg, medium duty clamps range from a WLL of 2000 Lbs/908 kg up to 4000 Lbs/1816 kg. Beam clamps can be made to support upwards of 10 tons WLL.

Most beam clamps work in the same way, they transfer the load of the suspended object onto the bottom flange of the I-Beam by clamping around the bottom flange edge.



To select an appropriate beam clamp, a few facts must be known:

1. Weight of the suspended load.
2. Width of the I-Beam flange.
3. Beam clamp load orientation.

Beam clamps are available in swivel, pivot, and perpendicular load orientations. Be sure to select the proper model for the use, and that the clamp is certified ASME B30.20.

## It Must Be Certified.

We all know that overhead suspension hardware must be certified. However certification can mean many different things to different people. One example is found in a fitting that can be purchased from three different suppliers: Supplier 1 says the fitting has a working load limit of 605 Lbs, Supplier 2 says 1,200 Lbs, and Supplier 3 says 5,800 Lbs. Protect your interests by insisting that products are certified to specific industry standards and require proof from the manufacturer.

Global,  
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ASME B30.20  
+ Europe,  
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+ Germany,  
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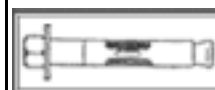
## Standards Watch

BSR E1.8 Entertainment Technology-Loudspeaker Enclosures Intended for Overhead Suspension-Classification, Manufacture and Structural Testing; is now released to public review for comment. Please read and submit comments! Check [www.ESTA.org](http://www.ESTA.org) for a copy of BSR E1.8 and additional standards information.

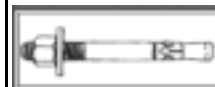


## Anchors Away

Concrete anchors come in many varieties. The following are the most common types for securing heavy loads in high-risk applications.



Sleeve anchors expand as the nut is tightened.



Wedge anchors expand as the nut is tightened.

Both are used for solid core materials such as concrete, brick, stone, and mortar, and injected adhesives can be used for extra strength.



T-anchors compress the material as the nut is tightened. These are used for concrete block,

through wall, and hollow wall systems. Note: a concrete anchor is only as strong as the materials surrounding it.

## Welcome

A warm welcome to Robby Lunday (Account Manager) and Gary Hanson (Office Manager), the newest additions to the ATM Group team.

Sound & Video Rigging Systems