



Beam Clamp Overview

Just like any other piece of lifting or rigging equipment, Canadian law requires that beam clamps undergo annual inspection and certification. Hercules SLR provides ASME certified inspection, testing, and certification services for beam clamps.

What is a Beam Clamp?

Beam Clamps are a temporary fixing solution, which are also known as girder clamps, is used to suspend or secure fixtures, wires, threaded rods, and other hardware. It provides a simple and portable means of attaching a hoist to a runway or lifting beam.

You can get them with a number of different capacities and variations in designs. You can expect to find that this piece of lifting equipment that can be adjustable or of fixed size, have scissor action, screw locking, or bolt clamp fixing, and be suitable for temporary or permanent applications.

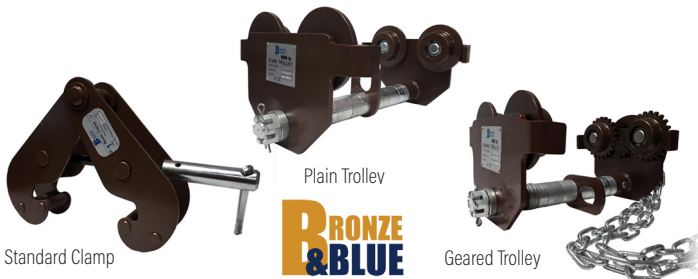
Types of Clamps

The most common versions are the standard clamp, plain, and geared beam trolleys.

The position fixing solution is simple and has a set of jaws that open and close by the operation of a threaded handle. The jaws fit around a beam and tightened to the beam, so it is a stationary attachment point for lifting or suspending devices.

The plain version gives you flexibility meaning that you can freely move them along the beam. Therefore, making the load easy to move along the beam.

Geared beam trolleys are similar to the plain version right above but have wheels that are fitted with gears and a chain. This means the operator can more precisely move the load along the beam making the moving process easier.



Featured Above: Hercules SLR Bronze & Blue Beam Clamps

Refs/Sources: Lifting Equipment Blog

What to Consider When Buying a Beam Clamp

When you're buying one, there are a few factors we recommend that you should consider before purchasing to ensure you have the right solution which we have put below. These considerations can also form part of ideas that are specific to your business.

- Type of clamp - adjustable/non-adjustable, scissor, screw, or bolt action
- Capacity and beam size
- Suitability of the beam
- Type of lifting appliance to be used
- If the application is temporary or permanent

Check Your Beam Before Use

When you are using a beam clamp, the following should be taken into account: Ensure that you conduct a thorough check of your beam clamp before use. Do not use faulty beam clamps, faulty beams, or faulty hoists.

Checklist

- Is any part of the equipment distorted?
- Are any cracks visible, or is extensive corrosion evident?
- Is any wear evident at suspension points, wheels, shackles, gears, pivots, pins, bolts, threads, springs or other moving parts?
- Are locking arrangements functional and safe?
- Are the Working Load Limit, serial numbers and other markings legible?
- Have all inspections or tests been regularly recorded?

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