

Beam Clamps



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Beam clamps offered in this section are designed to provide attachment of hanger rods to structural members without drilling or welding. A wide range of types and sizes are available for various applications.

Materials

Carbon Steel, Malleable Iron and Forged Steel are used in the manufacturing of beam clamps and accessories. Stainless steel and other materials are available.

Finishes

The standard finishes for mechanical supports are plain steel (oil coated) sometimes referred to as black and Electro-Galvanized Zinc (ASTM B633 SC3). Hot-Dip Galvanized After Fabrication (ASTM A123), Red Primer, Plastic Coating and DURA-GREEN™. Other special coatings are available upon request.

Note: Due to the design of some products, (threads, connecting hardware, swivels, etc.) items may or may not be uniformly coated with special finishes. In some cases, the hanger itself may be coated, however, the hardware may be supplied Electro-Plated, copper plated, or in stainless steel.

Recommended Set screw Torque (unless otherwise specified)

1/4"-20	3/8"-16	1/2"-13	5/8"-11	3/4"-10
4 ft/lbs (5 Nm)	5 ft/lbs (7 Nm)	11 ft/lbs (15 Nm)	21 ft/lbs (28 Nm)	34 ft/lbs (46 Nm)

Over torqued set screws will damage beam clamps in this section.

We are aware that torque wrenches are not used or not available in many instances. In the absence of a torque wrench, the set screw should be finger tightened to the I-beam and then an additional 1/4 to 1/2 turn applied to the set screw.

Approvals (as noted)

Items in this section are Underwriters Laboratories Listed, Factory Mutual Approved, and comply with Federal Specification WW-H-171E & A-A-1192A or Manufacturers Standardization Society ANSI/MSS SP-69 & SP-58.

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Fig. 69 - Beam Clamp Retaining Strap (B-Line B3367)

Size Range: 3/8"-16 thru 3/4"-10 rod
 4" (101.6mm) thru 16" (406.4mm) lengths
 Note: longer lengths are available consult factory

Material: Pre-Galvanized Steel

Function: To offer more secure fastening of various types of beam clamps to beam where danger of movement might be expected. NFPA 13 requires the use of retaining straps with all beam clamps installed in earthquake areas. Satisfies requirements of NFPA 13.

Important Note: Good installation practice of a retaining strap requires that the strap be held tightly and securely to all component parts of the assembly. Therefore a locking mechanism of some kind, such as a hex nut or the beveled locking slot of the Fig. 69R will provide a more secure reliable installation.

Approvals: Underwriters Laboratories Listed in the USA (UL) and Canada (cUL). Approved for use with any listed beam clamp. Included in the Seismic Restraints Catalog approved by the State of California Office of Statewide Health Planning and Development (OSHPD). For additional load spacing and placement information relating OSHPD projects, please refer to the Seismic Restraint System Guidelines.

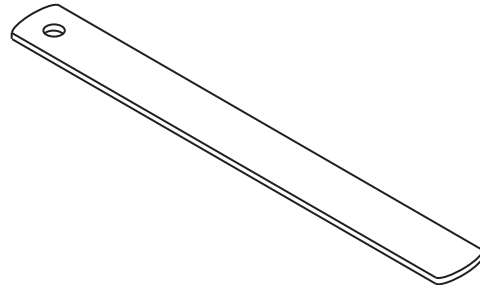
Finish: Pre-Galvanized

Order By: Part number, length (L), and finish.

Note: Minimum return on strap is 1" (25.4mm)



Component of State of California OSHPD Approved Seismic Restraints System



Part No.	Hole Dia. D in. (mm)	For Use With	Length
69-3/8-L	7/16" (30.1)	B3033-3/8, B3034-3/8, B3031-3/8, 65-3/8, 65XT-3/8, 66-3/8	Specify
69-1/2-L	9/16" (30.1)	B3033-1/2, B3034-1/2, 65-1/2, 66-1/2	Specify
69-5/8-L	11/16" (50.8)	B3033-5/8, 65-5/8, 66-5/8	Specify
69-3/4-L	13/16" (63.5)	B3033-3/4	Specify

