

# TecLoc Beam Clamp

## Seismic Structural Bracing Attachment

**A seismic load rated beam clamp offering bracing attachment to beams and bar joists.**

- **Safe**  
Industry tested and approved
- **Ease of use**  
Single-bolt design speeds up install
- **Strong**  
Supports high Load and Resistance Factor Design values
- **Shear-off bolt**  
Breaks at optimal torque allowing for easy on site inspection
- **Compatible**  
Fits beam flanges up to 1 1/4" thick
- **Adaptable**  
Performs in 0–90° arrangements



## Product Specification

### Material

- Clamp Body - Carbon Steel
- 1/2 " UNC Bolt - Carbon Steel
- 1/2 " UNC Nut - Carbon Steel
- 1/2 " Washer - Carbon Steel

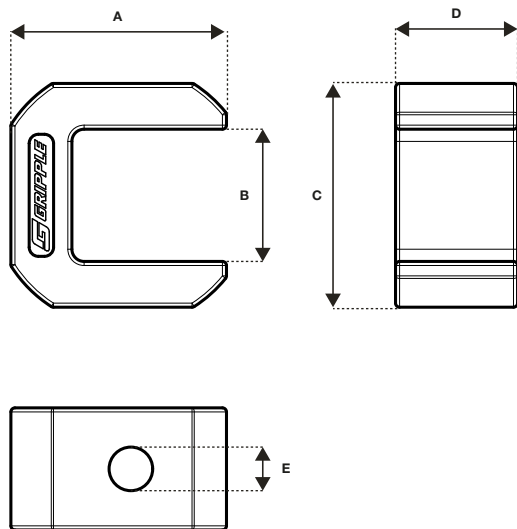
## Approvals



ER577

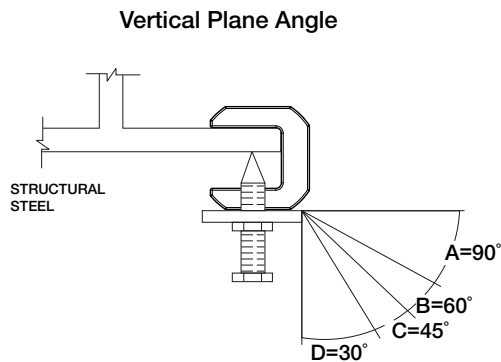
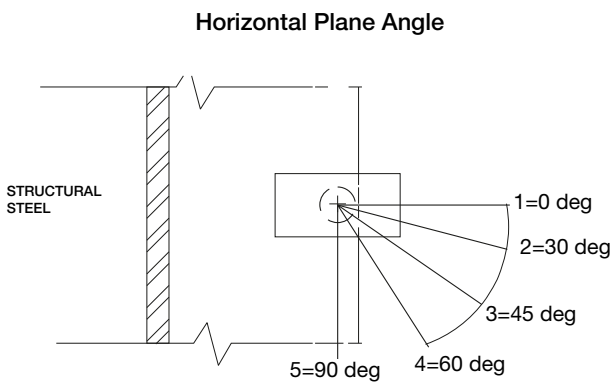
Tested in accordance with ASHRAE 171  
IAPMO Approved for compliance with IBC 2024  
Approval Report: IAPMO ER-577

## Design & Dimensions



|   | in        |
|---|-----------|
| A | 2.1       |
| B | 1.25      |
| C | 2.17      |
| D | 1.2       |
| E | 1/2 " UNC |

## Load and Resistance Factor Design Values



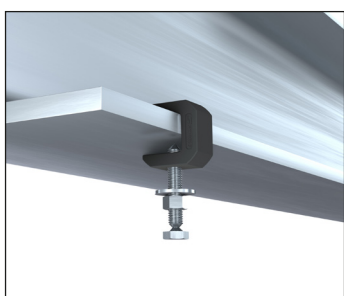
| Horizontal plane angle in degrees (from positive x axis) | Vertical plane angle (from horizontal) | Design Strengths (LRFD) in lbf | Allowable Load (ASD) in lbf |
|----------------------------------------------------------|----------------------------------------|--------------------------------|-----------------------------|
| 0                                                        | 30                                     | 3989                           | 2672                        |
|                                                          | 45                                     | 2640                           | 1768                        |
|                                                          | 60                                     | 2877                           | 1927                        |
|                                                          | 90                                     | 2504                           | 1677                        |
| 30                                                       | 30                                     | 4407                           | 2952                        |
|                                                          | 45                                     | 2960                           | 1983                        |
|                                                          | 60                                     | 3168                           | 2122                        |
|                                                          | 90                                     | 2846                           | 1906                        |
| 45                                                       | 30                                     | 4616                           | 3092                        |
|                                                          | 45                                     | 3120                           | 2090                        |
|                                                          | 60                                     | 3314                           | 2220                        |
|                                                          | 90                                     | 3017                           | 2020                        |
| 60                                                       | 30                                     | 4825                           | 3232                        |
|                                                          | 45                                     | 3280                           | 2197                        |
|                                                          | 60                                     | 3459                           | 2317                        |
|                                                          | 90                                     | 3188                           | 2135                        |
| 90                                                       | 30                                     | 5244                           | 3513                        |
|                                                          | 45                                     | 3600                           | 2412                        |
|                                                          | 60                                     | 3751                           | 2513                        |
|                                                          | 90                                     | 3530                           | 2365                        |

## Packaging

|               |          |
|---------------|----------|
| Product Code: | GSBC-125 |
| Box Quantity: | 15       |
| Packed Weight | 16.3 lbs |

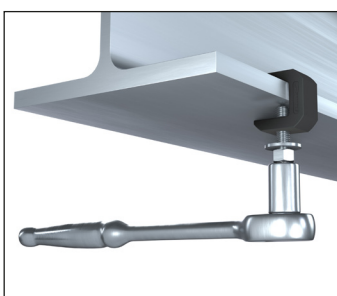
## Installation

1



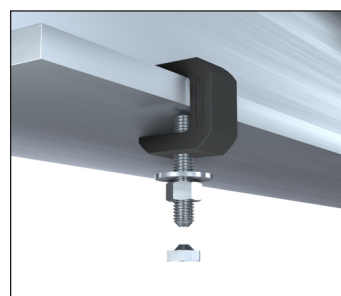
Position the clamp on the beam in desired location and hand tighten the bolt. Ensure the nut and washer are loose on the bolt.

2



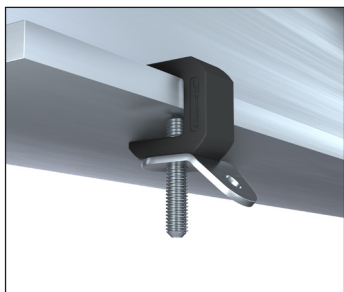
Tighten the bolt using a torque wrench or impact driver until the head shears off. Bolt will shear-off when torqued to 29.5 lb-ft (40Nm). The bolt tip will be securely embedded into the beam.

3



Remove the nut and washer to allow for the install of the bracing bracket.

4



Position the bracing bracket on the underside of the clamp in the plane desired, slide washer and then tighten the nut to secure bracket in place.

5



When the bracket is fixed in place the installation is complete.

## Key Recommendations

Failure to comply with these recommendations may result in product malfunction and possible damage to property or person and will invalidate the Gripple guarantee. Gripple products are guaranteed to be free from defects in materials and workmanship in accordance with our terms and conditions. No other warranty, whether express or implied, including any warranty of merchantability or fitness for purpose shall exist in connection with the sale or use of any Gripple product.

Full technical information and installation instructions should be obtained directly from Gripple Limited, Gripple Europe, Gripple Inc., Gripple Japan, Gripple Poland, Gripple India, Gripple Germany, any regional Gripple office, or via our website [www.gripple.com](http://www.gripple.com).



### INSTALLATION

Do not walk or stand on the Gripple product installation. Gripple products must not be used for personal suspension, fall protection or harnessing people.



### STORING

Do not store the product outdoors, or in damp or abnormal conditions.



### LOADS

Always operate the product within its stated safe working load range. Suspend static loads only. Do not subject to shock loading. Do not adjust under load.



### SWIMMING POOLS

Not suitable for swimming pools.



### REPAIR, MODIFICATION AND RE-USE

Do not repair, modify or re-use Gripple products. If you have any queries regarding product performance, please contact [TechnicalServices@gripple.com](mailto:TechnicalServices@gripple.com)