

# J&D Manufacturing

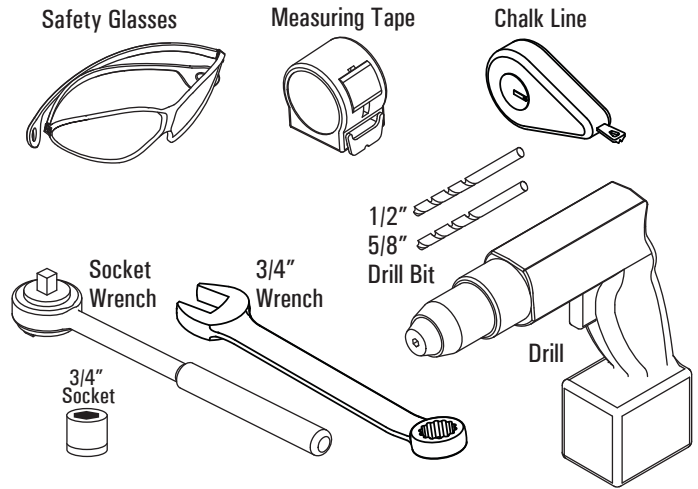
## ADJUSTABLE TWIN BEAM SUSPENDED FREESTALL SYSTEM



## WARRANTY

J&D Mfg. warrants all products are free from defects in materials and workmanship under normal use for the period of one year from date of purchase and our warranty does not cover normal or regular wear and tear. J&D Mfg can repair or replace at our option, any product or part of the product that is found to be defective. Our warranty applies to materials only and does not include return freight, delivery, loss or damage to personal property, cost of removal or installation, any incidental or consequential damages or labor. This warranty does not apply to products which are misused, abused, altered, improperly installed or subject to negligence. All warranties must be approved through our warranty department. The original purchaser must present a copy of the invoice for the defective product. One year is our standard warranty unless specified on our literature or in the installation instructions/user manuals.

## RECOMMENDED TOOLS FOR INSTALLATION AND ASSEMBLY (NOT PROVIDED)



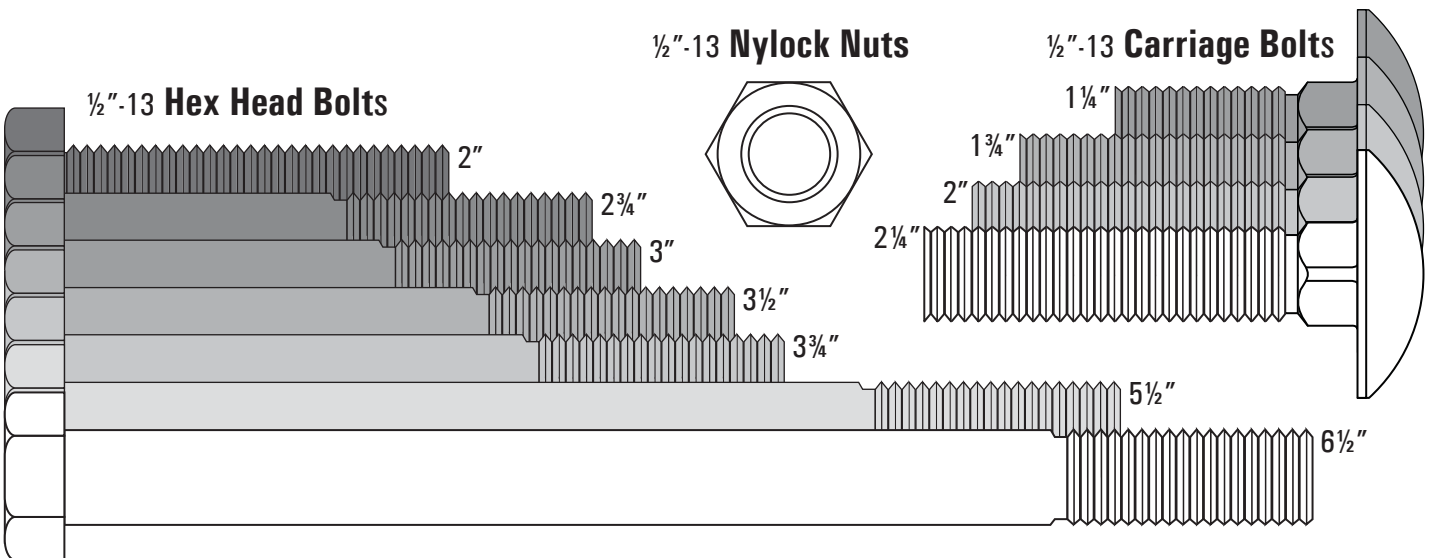
## INSTALLATION

Please read over all instructions carefully before you begin. If you have any questions please call your local dealer, or contact J&D Manufacturing at 1-800-998-2398.

## POSSIBLE INCLUDED ASSEMBLY HARDWARE - TO SCALE

Hardware length is specific to its use and location.

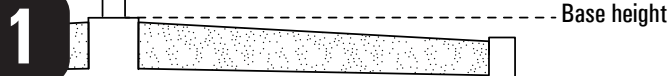
To ensure correct use verify type and length with each bracket and mount instructions



## INSTALLATION HARDWARE IS NOT PROVIDED

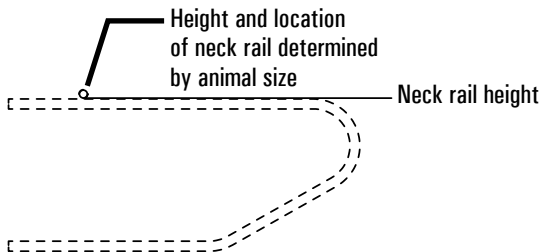
# General Twin Beam System Assembly

Identify base height.

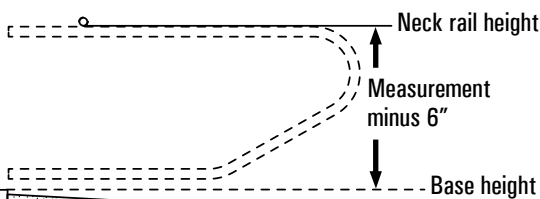


Height and location of neck rail must be determined.

*Though animal size and available lunge space are the main deciding factors when determining the neck rail location other factors can effect the placement. J&D recommends consulting with your heard manager, veterinarian, and/or agricultural university to determine what is correct placement for your animals.*

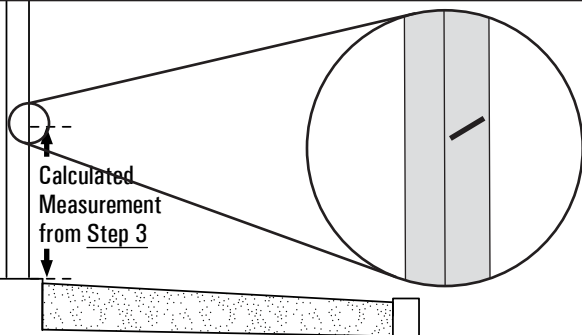


Calculate the measurement from neck rail height to base height and subtract 6" from the measurement.

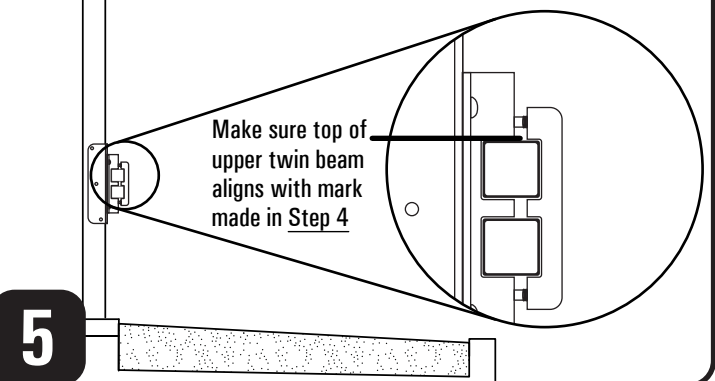


Using the calculated measurement from **Step 3** measure and mark a horizontal line on the mounting post, this will be the height of the top of the uppermost twin beam.

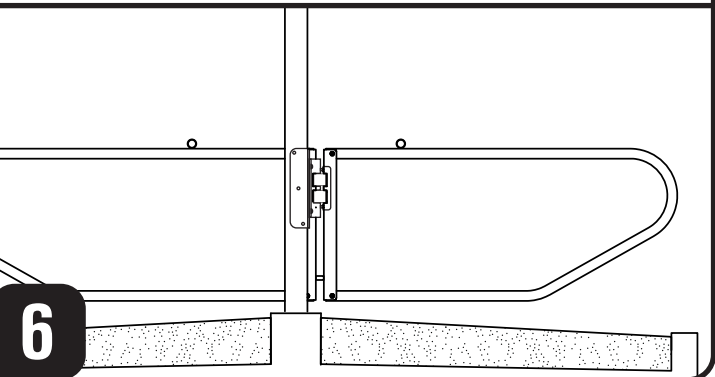
Transfer this mark to the following mounting posts.



Install twin beams using the mounting brackets and corresponding hardware as chosen for your structure and as illustrated in the following pages.



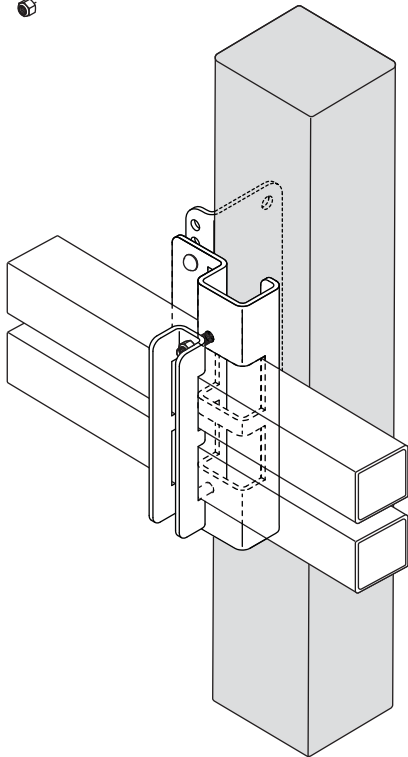
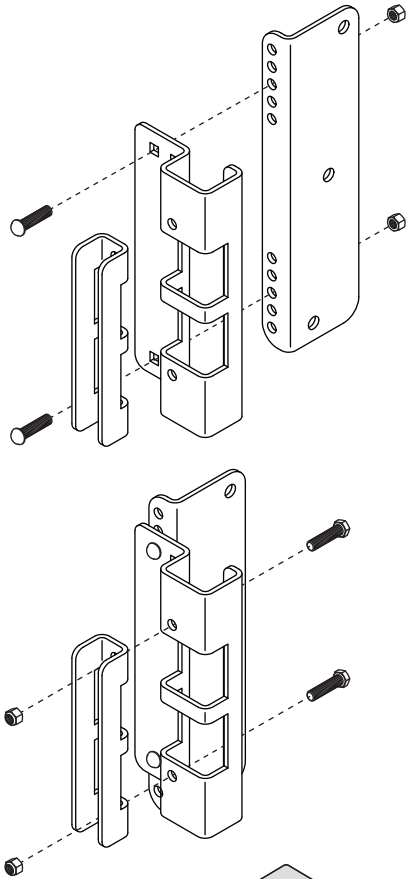
Install loop brackets, loops, and neck rail using the mounting brackets and corresponding hardware as chosen for your system and as illustrated in the following pages.



## Additional Guidelines for Installation:

- At each step, brackets **MUST** be assembled and tightened until fully secure. *Attempting to tighten brackets after the additional weight of system components are applied will cause hardware failure and will not be covered by warranty.*
- **Care must be taken to not over tighten**, distortion or bending of brackets, tubes or loops can cause material failure and will not be covered by warranty.
- *Unless posts were installed to compensate for the system offset*, head-to-head installations, loops on the twin beam mounted side of the system will be at least one size smaller in length than the loops on the non twin beam mounted side due to the designed offset.
- System hardware mounted in wood must be periodically checked and tightened as needed during the first year as wood dries and ages.

## HF704TBA - Post or Wall Twin Beam Mount

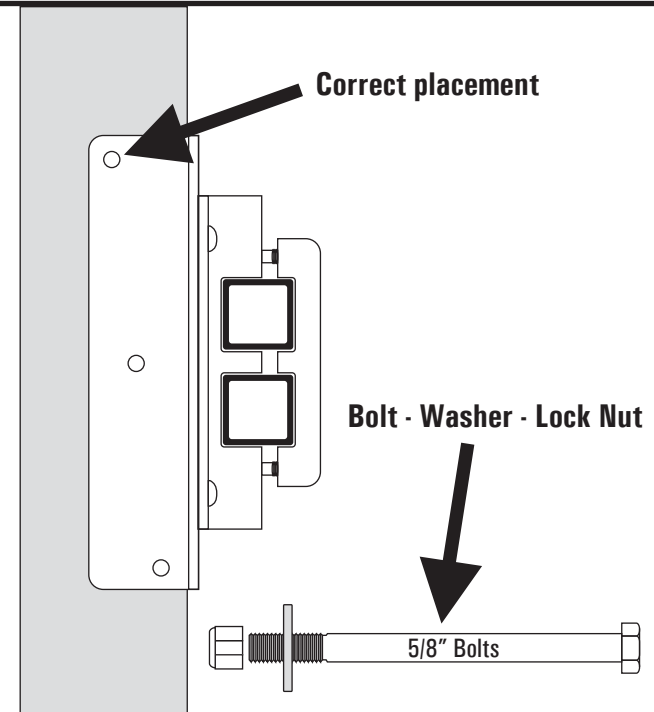


### Assembly Hardware:

- (2) Carriage Bolt, 1/2"-13 x 1 1/4"
- (4) Nylock Nut, 1/2"-13
- (2) Hex Head Bolt, 1/2"-13 x 2"

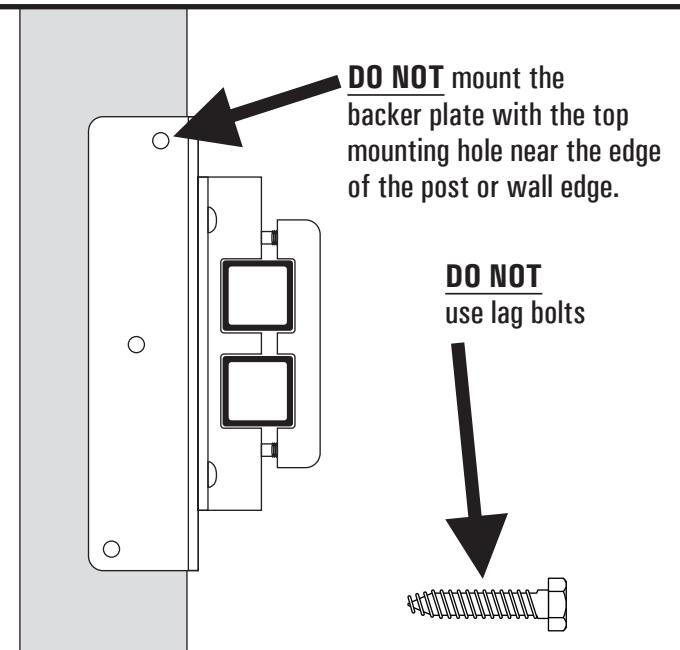
## HF704TBA - Installation

- Bracket must be assembled so that the backer plate top mounting hole is not near the edge of the post or wall edge, see below illustration.
- (3) 5/8" Bolts, (3) heavy washers and (3) lock nuts must be used to secure bracket backer plate - not provided



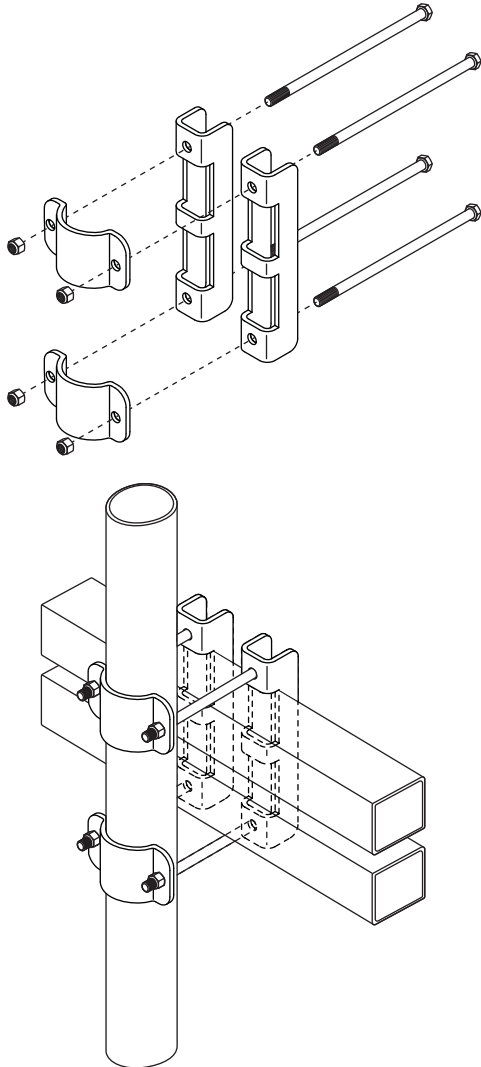
**DO NOT** mount the backer plate with the top mounting hole near the edge of the post or wall edge, see below illustration. To do so can cause wood post failure and any damage resulting from incorrect installation is not covered by warranty.

**DO NOT** use lag bolts - due to the wood aging process lag bolts become loose and can cause system failure, any damage resulting from inadequate installation hardware is not covered by warranty.



# Mounting Brackets for Twin Beams

## HF737 - 4" Round Post Twin Beam Mount HF738 - 3" Round Post Twin Beam Mount



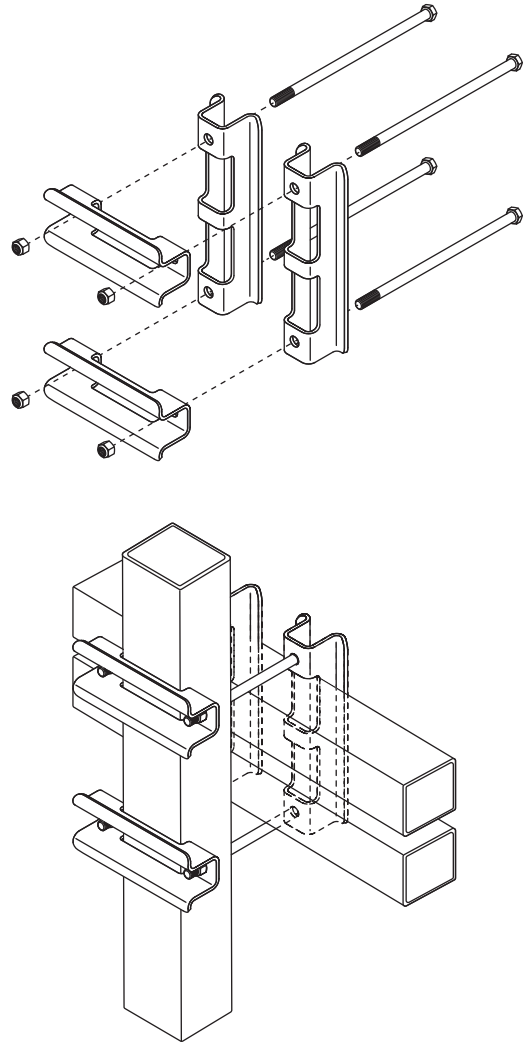
### HF737 Assembly Hardware:

- (4) Hex Head Bolt, 1/2"-13 x 6 1/2"
- (4) Nylock Nut, 1/2"-13

### HF738 Assembly Hardware:

- (4) Hex Head Bolt, 1/2"-13 x 5 1/2"
- (4) Nylock Nut, 1/2"-13

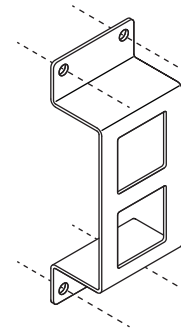
## HF739G - 4" Square Post Twin Beam Mount



### Assembly Hardware:

- (4) Hex Head Bolt, 1/2"-13 x 6 1/2"
- (4) Nylock Nut, 1/2"-13

## HF750 - Outer Wall Twin Beam Mount

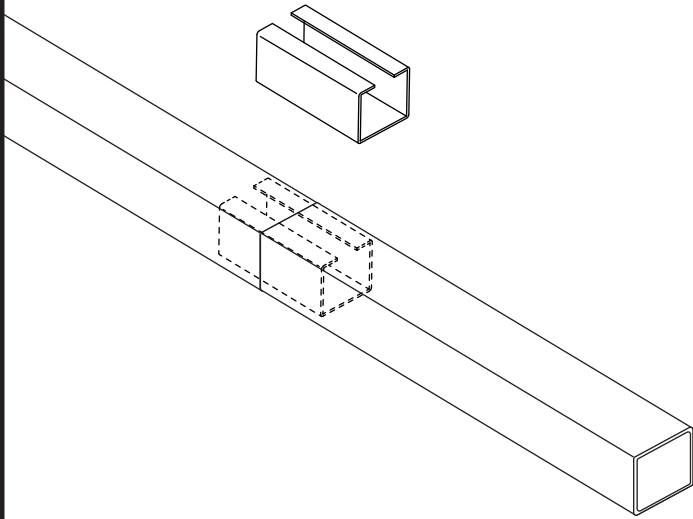


### Installation:

Secure each bracket using (4) fasteners (not included) specific to the construct of the mounting area and stress of the intended use of bracket.

## Twin Beam Splices

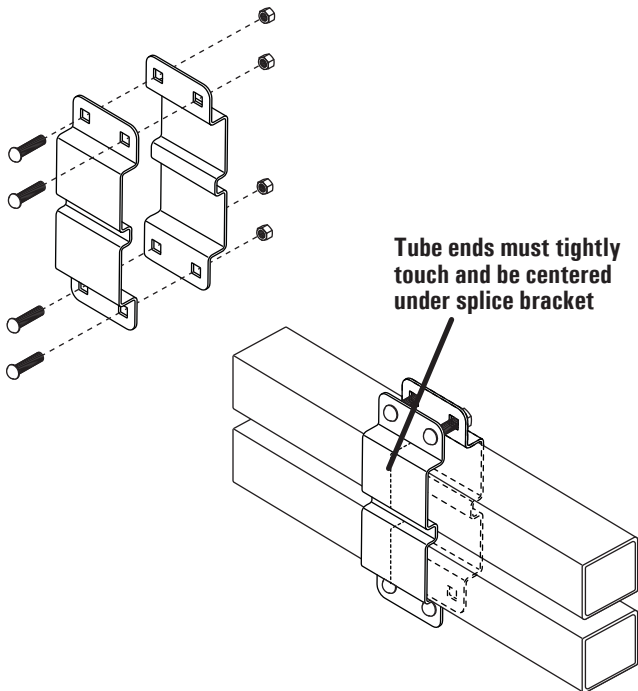
### HF710TB - Splice Sleeve for Square Tube



#### Installation:

Insert splice sleeve halfway into the end of the square tube and tack weld until secure then slide the next square tube over protruding splice sleeve. Once the ends of both square tubes are abutted against each other weld to secure.

### HF712TB - Bolt-On Splice for Square Tube



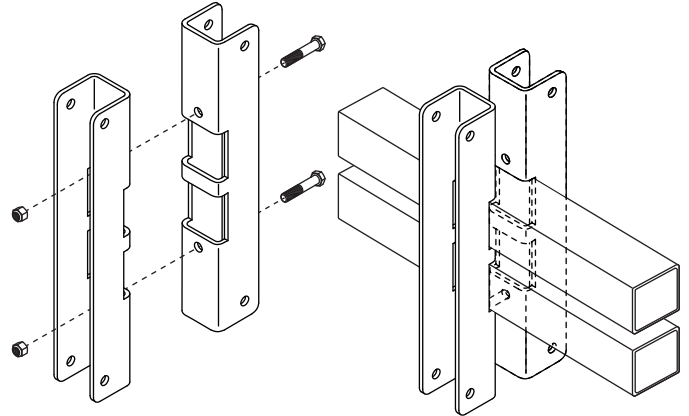
#### Assembly Hardware:

- (4) Carriage Bolt, 1/2"-13 x 2"
- (4) Nylock Nut, 1/2"-13

## Twin Beam Loop Brackets & Mounts

### Dog Bone Loop Brackets

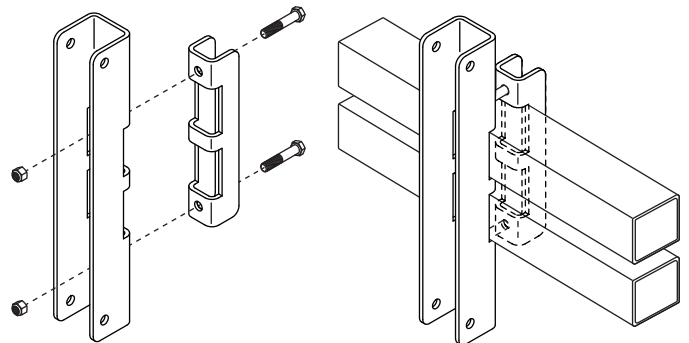
#### Double Row



#### Assembly Hardware:

- (2) Hex Head Bolt, 1/2"-13 x 2 3/4"
- (2) Nylock Nut, 1/2"-13

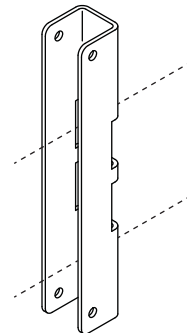
#### Single Row



#### Assembly Hardware:

- (2) Hex Head Bolt, 1/2"-13 x 2 3/4"
- (2) Nylock Nut, 1/2"-13

#### Single Row to Wall/Post

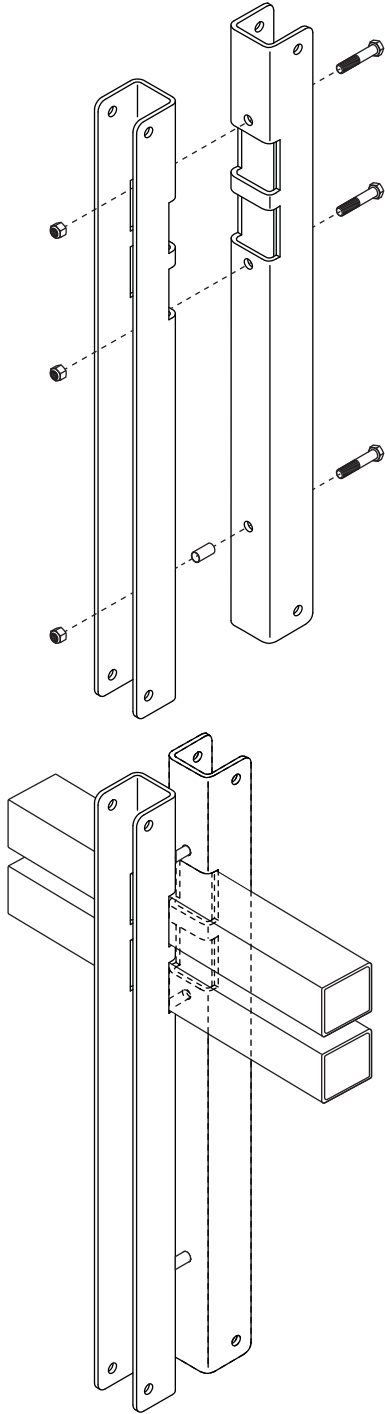


#### Installation:

Secure each bracket using (2) fasteners (not included) specific to the construct of the mounting area and stress of the intended use of bracket.

**Ironside Loop Brackets**  
**Relax Fit Loop Brackets**  
**Adjustable 1.9" Ironside Loop Brackets**

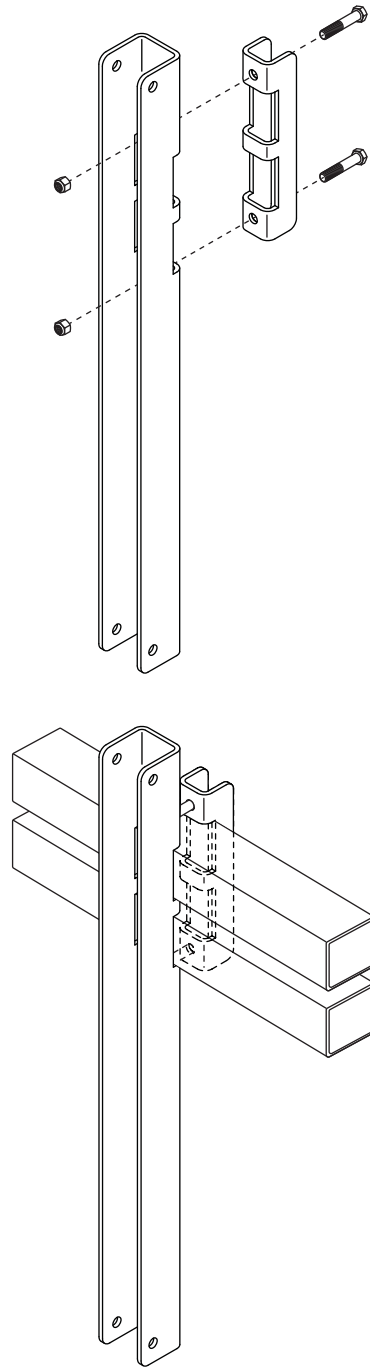
**Double Row**



**Assembly Hardware:**

- (3) Hex Head Bolt, 1/2"-13 x 2 3/4"
- (3) Nylock Nut, 1/2"-13
- (1) Spacer, 1 1/2"

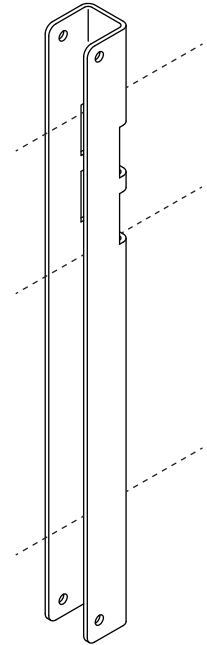
**Single Row**



**Assembly Hardware:**

- (2) Hex Head Bolt, 1/2"-13 x 2 3/4"
- (2) Nylock Nut, 1/2"-13

**Single Row to Wall/Post**

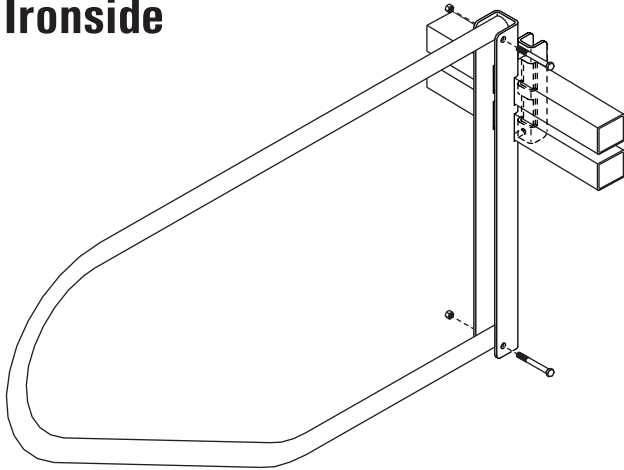


**Installation:**

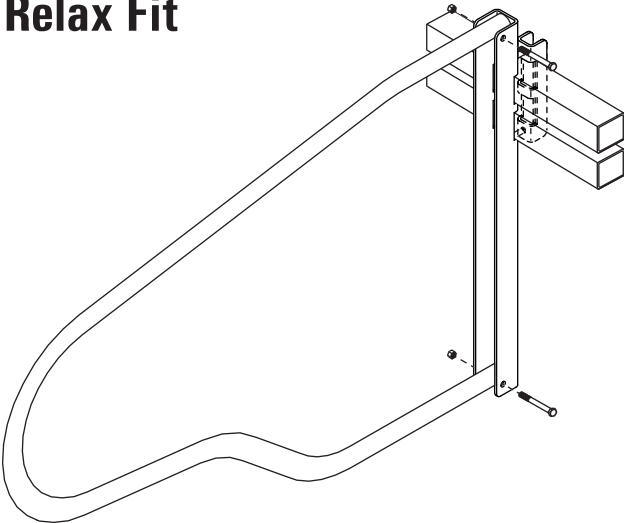
Secure each bracket using (3) fasteners (not included) specific to the construct of the mounting area and stress of the intended use of bracket.

Mounting 2<sup>3</sup>/<sub>8</sub>" Loops

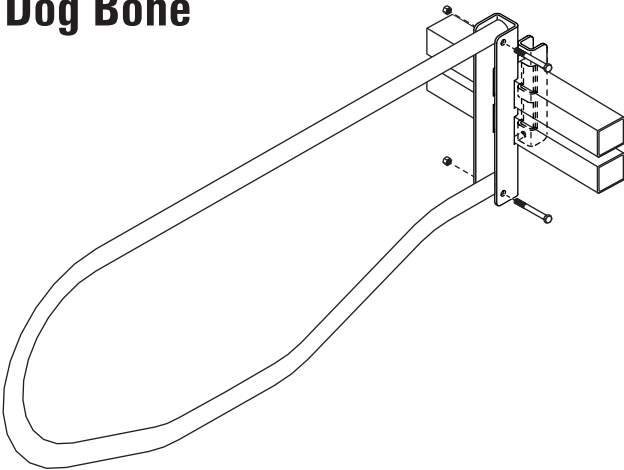
**Ironside**



**Relax Fit**



**Dog Bone**

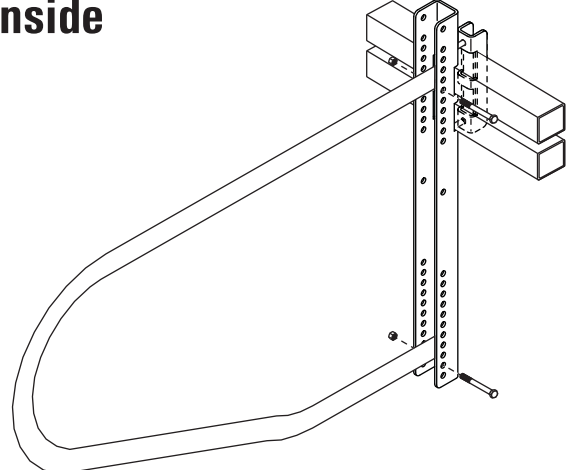


**Assembly Hardware:**

- (2) Hex Head Bolt, 1/2"-13 x 3 3/4"
- (2) Nylock Nut, 1/2"-13

Mounting 1.9" Loops

**Ironside**



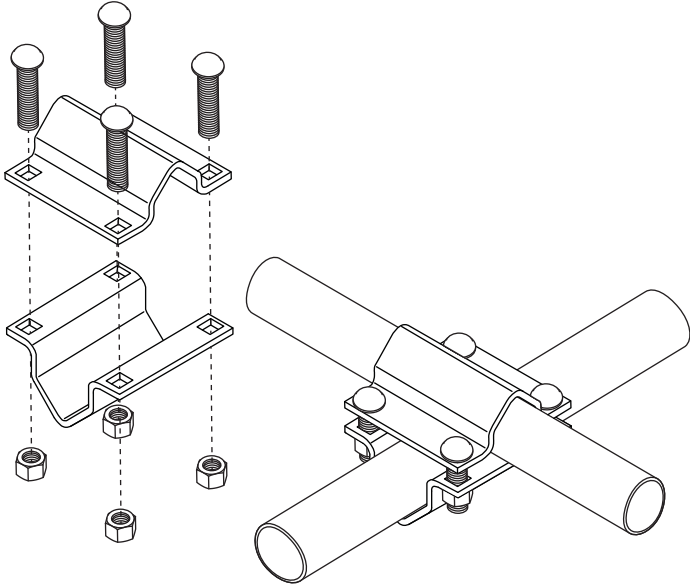
**Assembly Hardware:**

- (2) Hex Head Bolt, 1/2"-13 x 3"
- (2) Nylock Nut, 1/2"-13

**HF42AB - 1.9" x 2<sup>3</sup>/<sub>8</sub>" - Control Rail Clamp**

**HF42B - 2<sup>3</sup>/<sub>8</sub>" x 2<sup>3</sup>/<sub>8</sub>" - Control Rail Clamp**

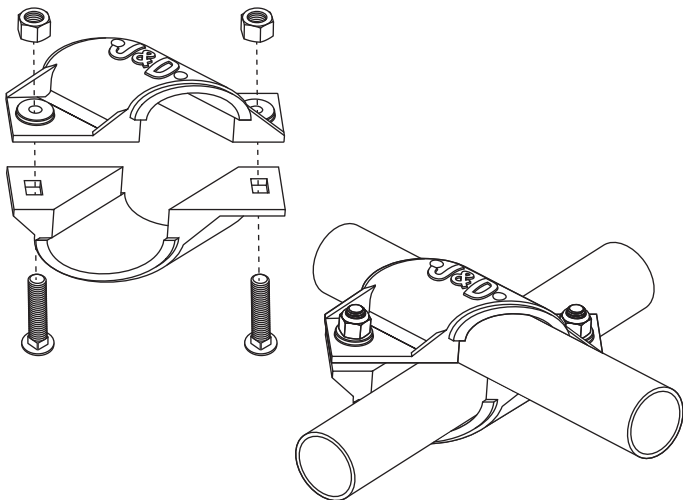
**HF42A - 1.9" x 1.9" - Control Rail Clamp**



**Assembly Hardware:**

- (2) Carriage Bolt, 1/2"-13 x 2 1/4"
- (2) Nylock Nut, 1/2"-13

**HF43 - 1.9" x 2<sup>3</sup>/<sub>8</sub>" - Control Rail Clamp**



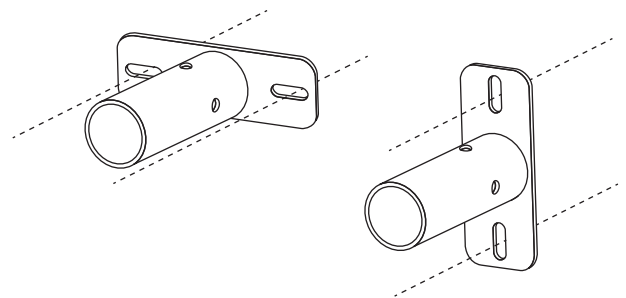
**Assembly Hardware:**

- (2) Carriage Bolt, 1/2"-13 x 1 3/4"
- (2) Nylock Nut, 1/2"-13

**Bolt-On Wall Mount**

**HF819HV2 - (2) Horz/Vert for 2<sup>3</sup>/<sub>8</sub>" Control Rail**

**HF919HV - (2) Horz/Vert for 1.9" Control Rail**



**HF819HV2**

**Assembly Hardware:**

- (2) Hex Head Bolt, 1/2"-13 x 3 1/2"
- (2) Nylock Nut, 1/2"-13

**HF919HV**

**Assembly Hardware:**

- (2) Hex Head Bolt, 1/2"-13 x 3"
- (2) Nylock Nut, 1/2"-13

**Installation:**

Secure each mount using (2) fasteners (not included) specific to the construct of the mounting area and stress of the intended use of mount.