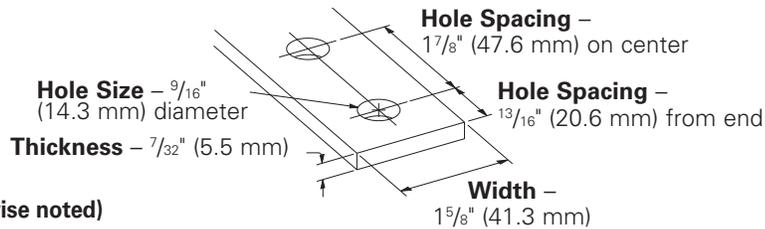




This section offers a full selection of fittings and accessories to complete our strut system. Fittings are made from hot rolled, pickled and oiled plate or strip steel in accordance with ASTM A1018 33,000 PSI min. yield, unless noted.

### Dimensions

The following dimensions apply to all fittings except as noted:



### Materials & Finishes (Unless otherwise noted)

| Finish Code | Finish                   | Specification                          |
|-------------|--------------------------|--|
| PLN         | Plain                    | ASTM A1018<br>33,000 PSI min. yield    |
| ZN          | Electro-Plated Zinc      | ASTM B633 SC3 Type III<br>or ASTM A653 |
| GRN         | DURA GREEN™              |  |
| HDG         | Hot-Dipped Galvanized    | ASTM A123                              |
| SS4         | Stainless Steel Type 304 | ASTM A240                              |
| SS6         | Stainless Steel Type 316 | ASTM A240                              |
| AL          | Aluminum                 | ASTM B209                              |

Note: A minimum order may apply on special material and finishes.

### Hardware

Nuts and bolts are not included with the fittings and must be ordered separately, unless noted.

### Pre-Assembled Fittings

Some fittings are available with hex head cap screws and channel nuts pre-assembled.

These fittings and finishes will be flagged using the following symbol.



### Metric

Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.

### Load Data

The load data published includes safety factor of 2.5 when used with 12 ga. (2.6) channel safety factor = ratio of ultimate load to the design load).

Use  $\frac{1}{2}$ "-13 x  $\frac{7}{8}$ " hex head cap screws and  $\frac{1}{2}$ "-13 (N225 or TN225) channel nuts for the rated results.

Note: See page 277 Design Load Data for typical channel - fitting connections.

### Recommended Bolt Torque

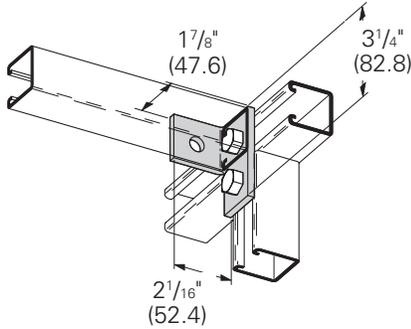
| Bolt Size | $\frac{1}{4}$ "-20 | $\frac{5}{16}$ "-18 | $\frac{3}{8}$ "-16 | $\frac{1}{2}$ "-13 |
|-----------|--------------------|---------------------|--------------------|--------------------|
| Foot/Lbs. | 6                  | 11                  | 19                 | 50                 |
| Nm        | 8                  | 15                  | 26                 | 68                 |

See chart on page 154 for setscrew torque.

# 90° Angle fittings

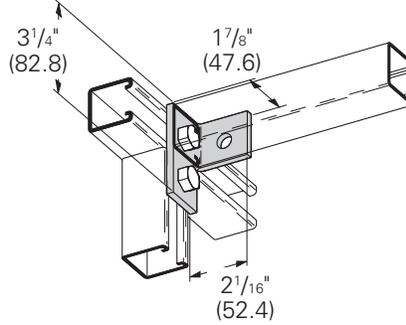
**B235R**  
**Three Hole (Right Hand) Offset Bent Angle**

- 1<sup>5</sup>/<sub>8</sub>" (41.3) from center to center of the holes that are shown with bolt heads
- Standard finishes: ZN, GRN
- Wt./C 53 Lbs. (24.0 kg)



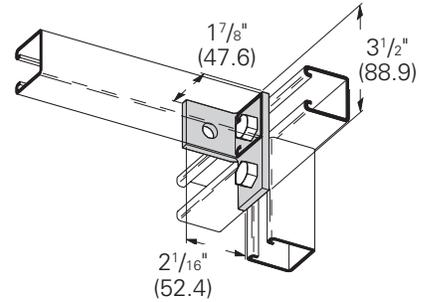
**B235L**  
**Three Hole (Left Hand) Offset Bent Angle**

- 1<sup>5</sup>/<sub>8</sub>" (41.3) from center to center of the holes that are shown with bolt heads
- Standard finishes: ZN, GRN
- Wt./C 53 Lbs. (24.0 kg)



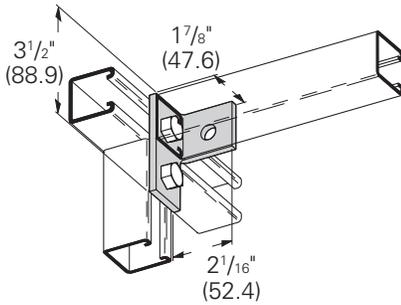
**B236R**  
**Three Hole (Right Hand) Offset Bent Angle**

- Standard finishes: ZN, GRN
- Wt./C 65 Lbs. (29.5 kg)



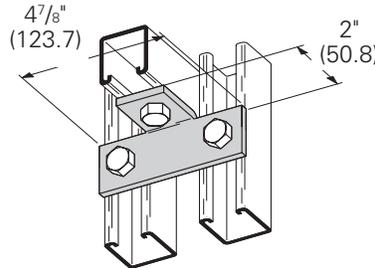
**B236L**  
**Three Hole (Left Hand) Offset Bent Angle**

- Standard finishes: ZN, GRN
- Wt./C 65 Lbs. (29.5 kg)



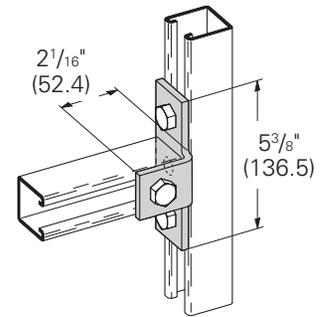
**B237**  
**Three Hole Offset Bent Tee**

- Standard finishes: ZN, GRN
- Wt./C 71 Lbs. (32.2 kg)



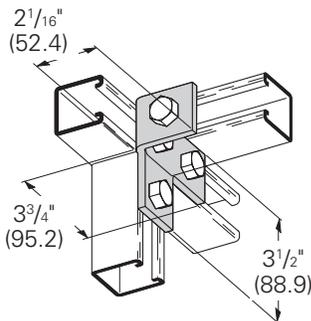
**B357**  
**Four Hole Offset Bent Tee**

- Standard finishes: ZN, GRN
- Wt./C 77 Lbs. (34.9 kg)



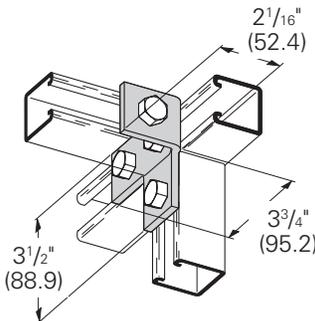
**B238R**  
**Four Hole (Right Hand) Offset Bent Tee**

- Standard finishes: ZN, GRN
- Wt./C 76 Lbs. (34.5 kg)



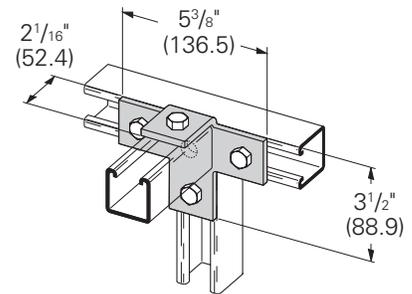
**B238L**  
**Four Hole (Left Hand) Offset Bent Tee**

- Standard finishes: ZN, GRN
- Wt./C 76 Lbs. (34.5 kg)



**B239**  
**Five Hole Offset Bent Tee**

- Standard finishes: ZN, GRN
- Wt./C 96 Lbs. (43.5 kg)



Reference page 106 for general fitting and standard finish specifications.