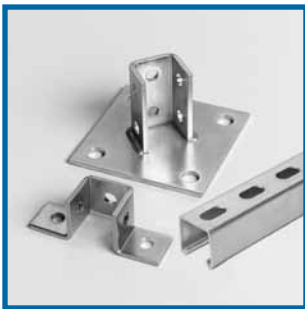


## Fittings and Brackets

### Fittings and Brackets — Series 200



#### Material

Superstrut® fittings and brackets are manufactured from hot rolled carbon steel.

#### Dimensions

The following standard dimensions apply to all fittings except as indicated on the individual drawings.

- Hole spacing:  $\frac{13}{16}$ " from end of fittings
- Hole spacing:  $1\frac{1}{8}$ " centers
- Hole size:  $\frac{9}{16}$ " diameter
- Material:  $1\frac{1}{8}$ " wide
- Material:  $\frac{1}{4}$ " thickness

#### Application Instructions

Parts drawings illustrate a typical use for the fitting, and in many cases other uses for the part are appropriate.

#### Design Data

Ratings vary when used with 12 or 14 gauge channel and are shown for each channel material.

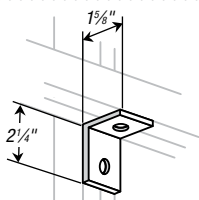
GoldGalv® hardware finish is standard for all Superstrut® products. This is a multi-process finish of electro-plated zinc, followed by gold-colored trivalent chromium to give excellent corrosion resistance and a superior paint base. See **pages B-106–B-107** for complete description of the GoldGalv® hardware finish. GoldGalv® hardware will be furnished if no other finish is specified.

#### Nuts and Bolts Required

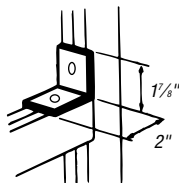
Unless otherwise noted, nuts and bolts for use with fittings and brackets should be ordered separately.

The standard bolt for the  $\frac{9}{16}$ " hole is a  $\frac{1}{2}$ " hex head cap screw  $1\frac{5}{16}$ " long. The  $1\frac{5}{16}$ " length may be used with all series channel.

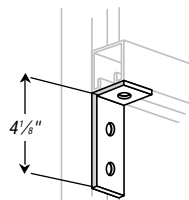
Standard Finish – GoldGalv®, unless otherwise stated.



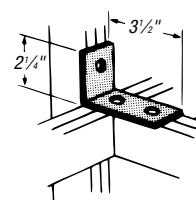
CAT. NO. AB201



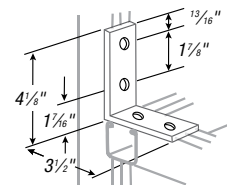
CAT. NO. AB202



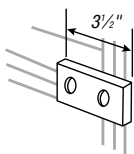
CAT. NO. AB203



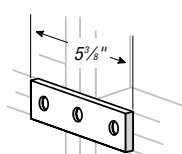
CAT. NO. AB204



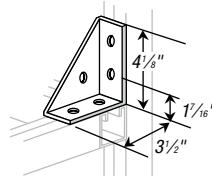
CAT. NO. AB205



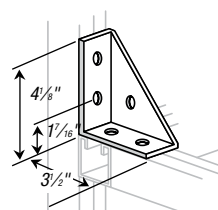
CAT. NO. AB206



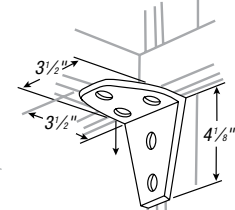
CAT. NO. AB207



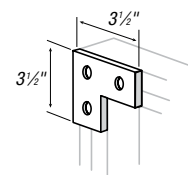
CAT. NO. AB213



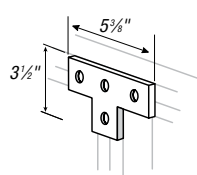
CAT. NO. AB214



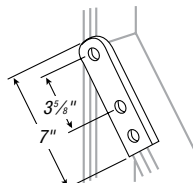
CAT. NO. AB216



CAT. NO. AB219



CAT. NO. AB220



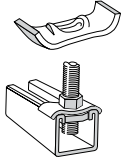
CAT. NO. AB240

#### Standard Dimensions

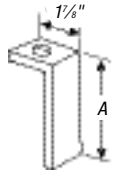
- Hole Spacing:  $\frac{13}{16}$ " From End
- Hole Spacing:  $1\frac{1}{8}$ " Centers
- Hole Size:  $\frac{9}{16}$ " Diameter
- Material:  $1\frac{1}{8}$ " Width
- Material:  $\frac{1}{4}$ " Thick

Standard Finish – GoldGalv®, unless otherwise stated.  
Add EG suffix for SilverGalv® Finish

## Fittings and Brackets

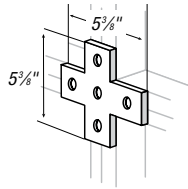


**CAT. NO. AB-242**  
For use with either 3/8" or 1/2" hanger rod

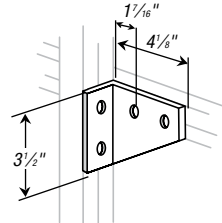


**CAT. NO. AB252**

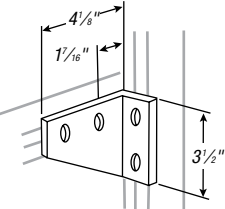
| CAT. NO. | A (IN.) | STD. CTN. |
|----------|---------|-----------|
| AB252 1  | 3 7/8"  | 10        |
| AB252 2  | 5 7/8"  | 10        |
| AB252 3  | 7 7/8"  | 10        |
| AB252 4  | 9 7/8"  | 10        |



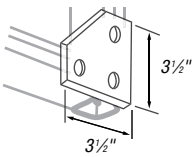
**CAT. NO. AB253**



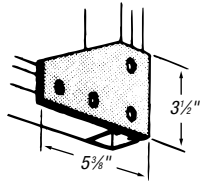
**CAT. NO. AB254 L**



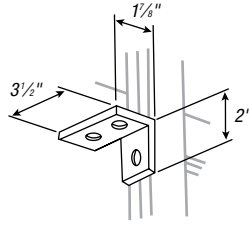
**CAT. NO. AB254 R**



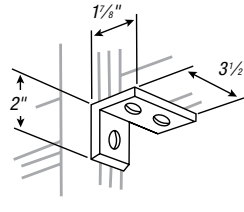
**CAT. NO. AB255**



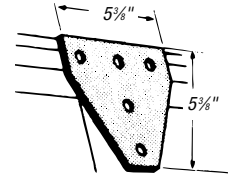
**CAT. NO. AB257**



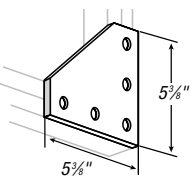
**CAT. NO. AB260 L**



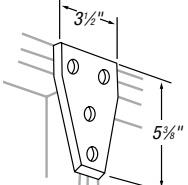
**CAT. NO. AB260 R**



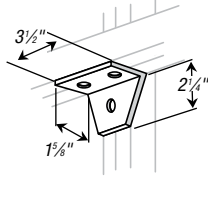
**CAT. NO. AB261**



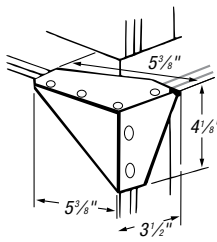
**CAT. NO. AB263**



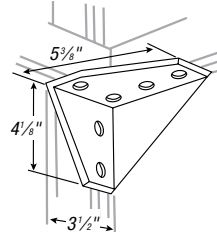
**CAT. NO. AB265**



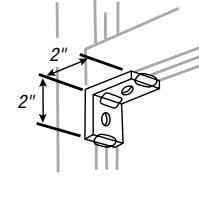
**CAT. NO. AB274**



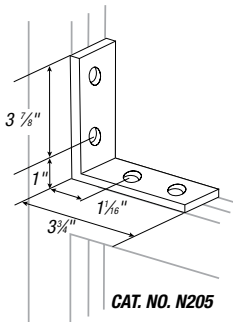
**CAT. NO. AB284 L**



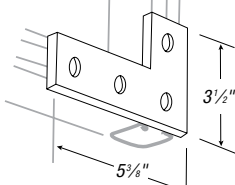
**CAT. NO. AB284 R**



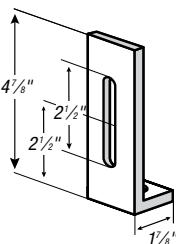
**CAT. NO. AB299**



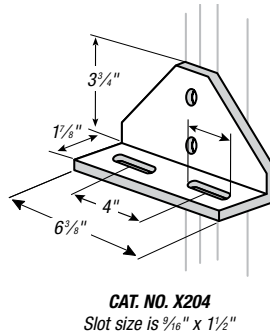
**CAT. NO. N205**



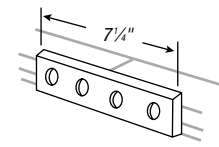
**CAT. NO. N-219**



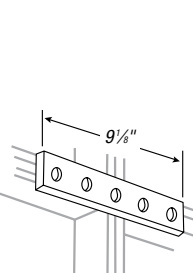
**CAT. NO. X201**



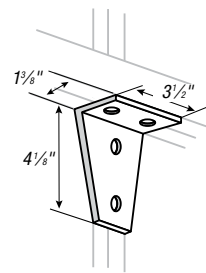
**CAT. NO. X204**  
Slot size is 5/16" x 1 1/2"



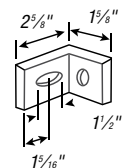
**CAT. NO. X207**



**CAT. NO. X208**



**CAT. NO. X289**



**CAT. NO. X299**

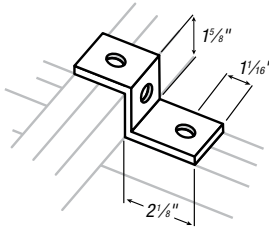
### Standard Dimensions

- Hole Spacing: 1 3/16" From End
- Hole Spacing: 1 7/8" Centers
- Hole Size: 5/16" Diameter
- Material: 1 5/8" Width
- Material: 1/4" Thick

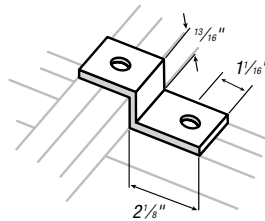
Standard Finish — GoldGalv®, unless otherwise stated.  
Add EG suffix for SilverGalv® Finish

## Fittings and Brackets

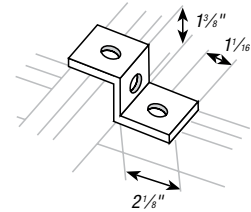
### Z Shape Fittings



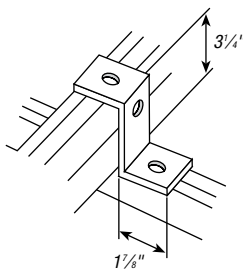
**CAT. NO. A209**  
For attaching "A" series channel.



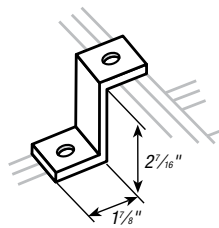
**CAT. NO. B209**  
For attaching "B" series channel.



**CAT. NO. C209**  
For attaching "C" series channel.



**CAT. NO. GZ209**  
For attaching "A" back to back.



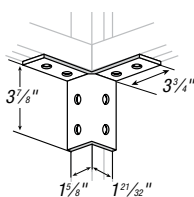
**CAT. NO. EZ209**  
For attaching "E" series channel.

#### ..... Standard Dimensions .....

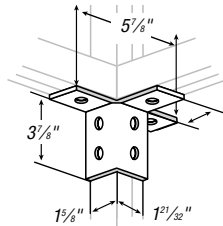
- Hole Spacing: 1 1/16" From End
- Hole Spacing: 1 5/8" Centers
- Hole Size: 1" Diameter
- Material: 1 5/8" Width
- Material: 1/4" Thick

Standard Finish – GoldGalv®, unless otherwise stated.  
Add EG suffix for SilverGalv® Finish

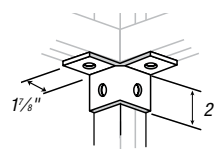
### Wing Shape Fittings



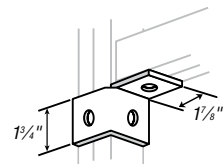
**CAT. NO. A217**



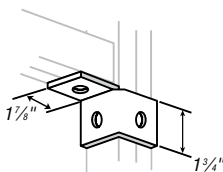
**CAT. NO. A218**



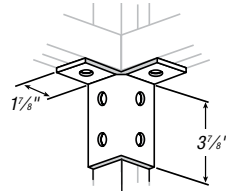
**CAT. NO. AW204**



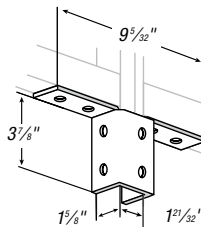
**CAT. NO. AW205 L**



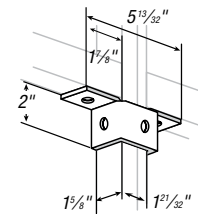
**CAT. NO. AW205-R**



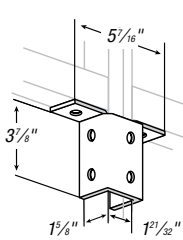
**CAT. NO. AW214**



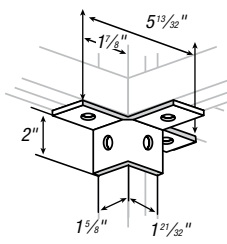
**CAT. NO. AW219**



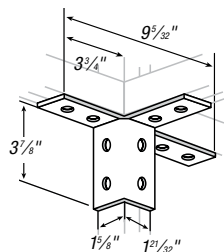
**CAT. NO. AW220**



**CAT. NO. AW224**



**CAT. NO. AW226**



**CAT. NO. AW228**

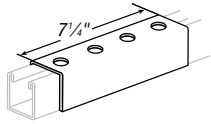
#### ..... Standard Dimensions .....

- Hole Spacing: 1 1/16" From End
- Hole Spacing: 1 5/8" Centers
- Hole Size: 1" Diameter
- Material: 1 5/8" Width
- Material: 1/4" Thick

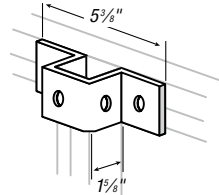
Standard Finish – GoldGalv®, unless otherwise stated.  
Add EG suffix for SilverGalv® Finish

## Fittings and Brackets

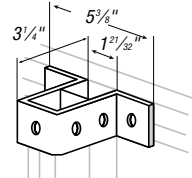
### U Shape Fittings



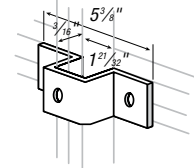
**CAT. NO. A208**  
Does not include strut nut or bolts. For "A" series channel.



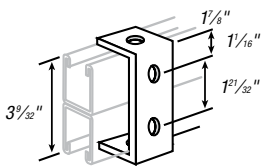
**CAT. NO. A210**  
For attaching "A" series channel



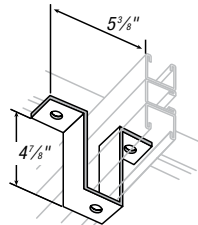
**CAT. NO. A211**  
For attaching "A" series channel.



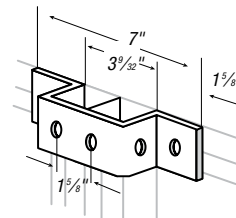
**CAT. NO. B210**



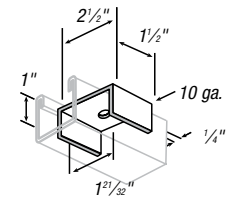
**CAT. NO. AB245**



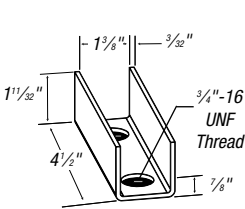
**CAT. NO. AN211**



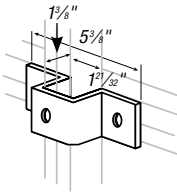
**CAT. NO. A212**



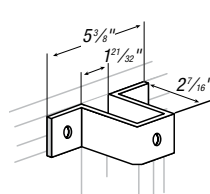
**CAT. NO. AB-288**



**CAT. NO. A-213**



**CAT. NO. C210**  
For attaching "C" series channel.



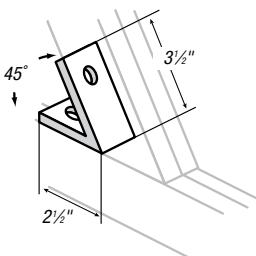
**CAT. NO. E210**  
For attaching "E" series channel.

#### Standard Dimensions

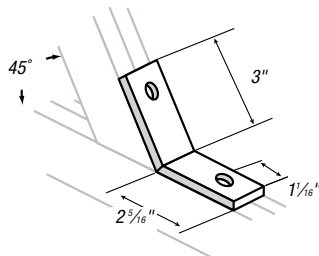
- Hole Spacing: 1 3/16" From End
- Hole Spacing: 1 7/8" Centers
- Hole Size: 1" Diameter
- Material: 1 5/8" Width
- Material: 1/4" Thick

Standard Finish – GoldGalv®, unless otherwise stated.  
Add EG suffix for SilverGalv® Finish

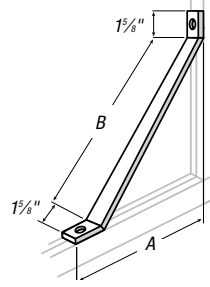
### Angular Fittings



**CAT. NO. AB225**



**CAT. NO. AB227**



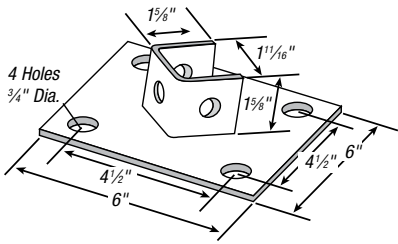
**CAT. NO. AB-239**

| CAT. NO. | A (IN.) | B (IN.) | STD. CTN. |
|----------|---------|---------|-----------|
| AB239 1  | 7 1/16  | 8 1/2   | 15        |
| AB-239-2 | 13 3/4  | 17      | 10        |
| AB-239-3 | 19 3/4  | 25 1/2  | 10        |

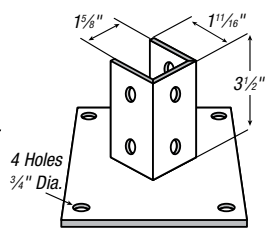
Standard Finish – GoldGalv®, unless otherwise stated.  
Add EG suffix for SilverGalv® Finish

## Fittings and Brackets

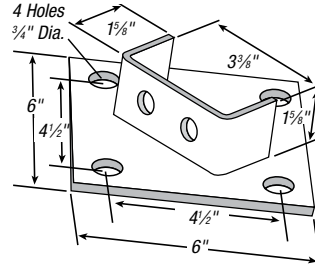
### Post Bases



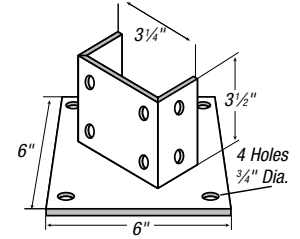
CAT. NO. AP-231



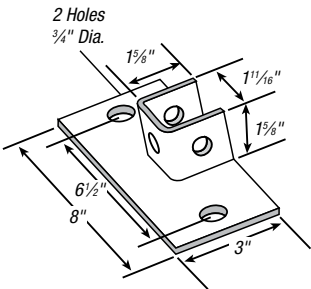
CAT. NO. AP-232



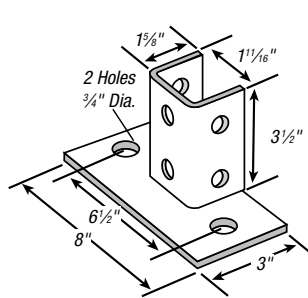
CAT. NO. AP-234



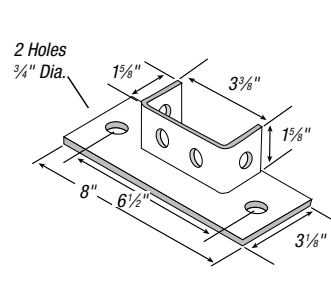
CAT. NO. AP-235



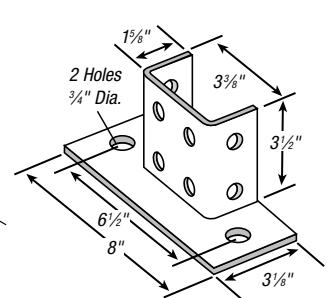
CAT. NO. AP-231FL



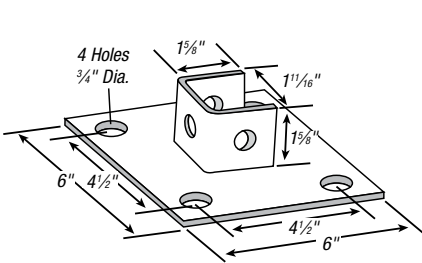
CAT. NO. AP-232FL



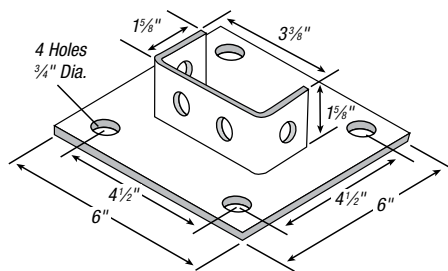
CAT. NO. AP-234FL



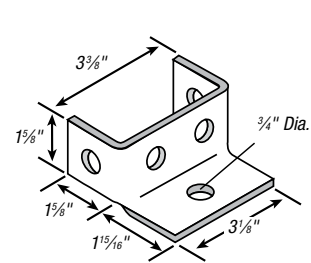
CAT. NO. AP-235FL



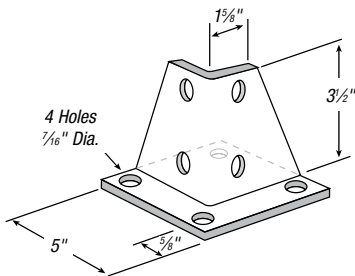
CAT. NO. AP-231SQ



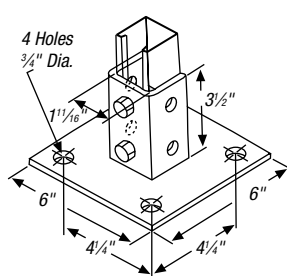
CAT. NO. AP-234SQ



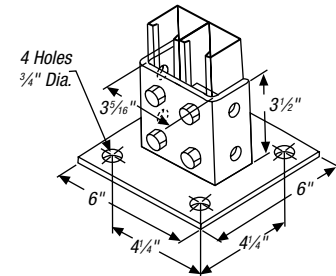
CAT. NO. AW-239



CAT. NO. AP-206



CAT. NO. AP-232SQ

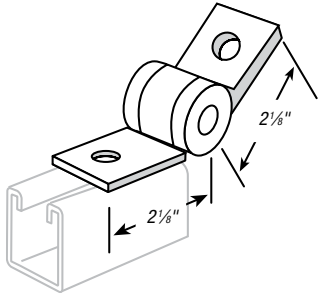


CAT. NO. AP-235SQ

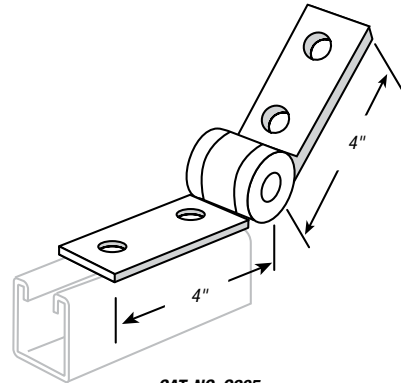
Standard Finish – GoldGalv®, unless otherwise stated.  
Add EG suffix for SilverGalv® Finish

## Fittings and Brackets

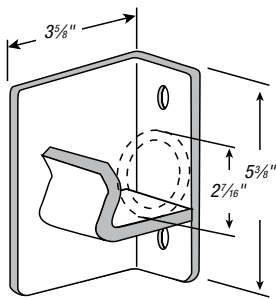
### Special Application Fittings



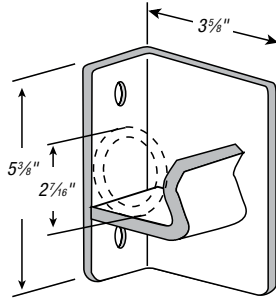
CAT. NO. Q202



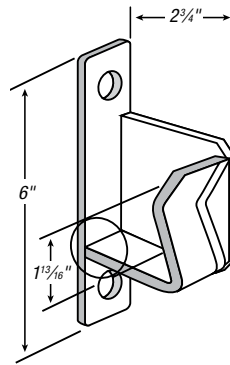
CAT. NO. Q205



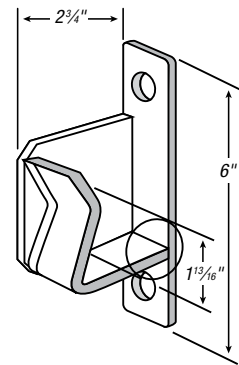
CAT. NO. Q255  
For 2" standard pipe.  
Load 1,500 lbs.



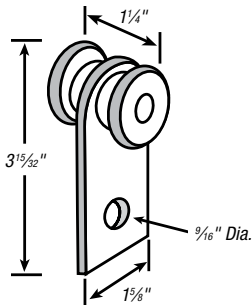
CAT. NO. Q256  
For 2" standard pipe.  
Load 1,500 lbs.



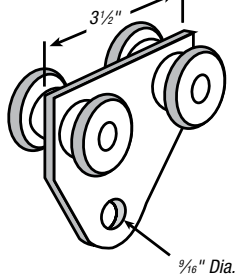
CAT. NO. Q253  
For 1 1/4" standard pipe.  
Load 1,500 lbs.



CAT. NO. Q254  
For 1 1/4" standard pipe.  
Load 1,500 lbs.



CAT. NO. TR292  
Frictionless needle bearings.  
Design load: 500 lbs.  
Safety factor of 5.



CAT. NO. TR294  
Frictionless needle bearings.  
Design load: 1,000 lbs.  
Safety factor of 5.

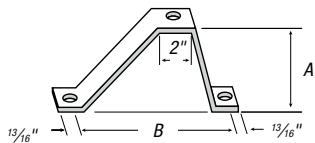
#### .....Standard Dimensions.....

- Hole Spacing: 1 3/16" From End
- Hole Spacing: 1 7/8" Centers
- Hole Size: 9/16" Diameter
- Material: 1 5/8" Width
- Material: 1/4" Thick

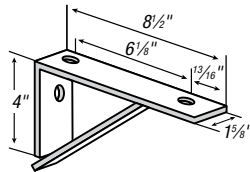
Standard Finish – GoldGalv®, unless otherwise stated.  
Add EG suffix for SilverGalv® Finish

## Fittings and Brackets

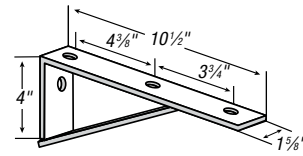
### Special Application Fittings (continued)



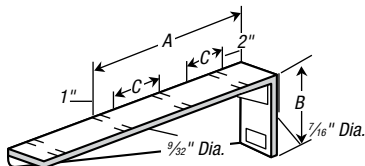
**AN-270**



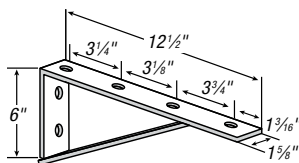
**S204**  
Design Uniform Load/lbs.  
A-1,200 650  
A-1,400 500



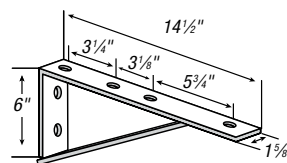
**S205**  
Design Uniform Load/lbs.  
A-1,200 650  
A-1,400 500



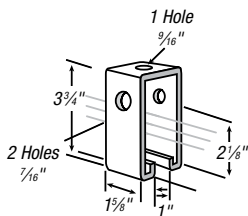
**S-201-L and R**  
R as shown — L opposite hand.  
12 ga. steel. Design Uniform Load/lbs.  
A-1,200 250  
A-1,400 200



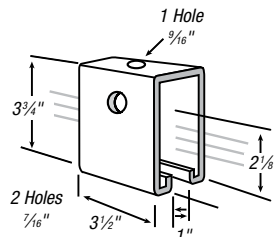
**S217**  
Design Uniform Load/lbs.  
A-1,200 750  
A-1,400 650



**S218**  
Design Uniform Load/lbs.  
A-1,200 750  
A-1,400 650



**TS-272**  
Track Support  
Requires 5/8" x 2 1/2" bolt and nut (not included).  
Design load: 1,000 lbs.



**TS273**  
Track Support  
For uses over channel splice. Requires 5/8" x 2 1/2" bolt and nut (not included).  
Design load: 2,000 lbs.

Standard Finish — GoldGalv®, unless otherwise stated.  
Add EG suffix for SilverGalv® Finish

#### ..... Standard Dimensions .....

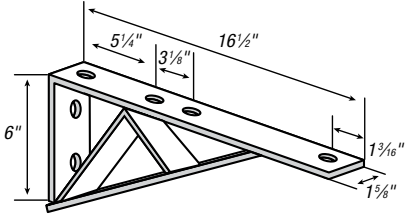
- Hole Spacing: 1 3/8" From End
- Hole Spacing: 1 7/8" Centers
- Hole Size: 9/16" Diameter
- Material: 1 1/8" Width
- Material: 1/4" Thick

| CAT. NO.        | A (IN.) | B (IN.) | C (IN.) | STD. CTN. |
|-----------------|---------|---------|---------|-----------|
| S201-L6 or R6   | 6       | 1 1/8   | 3       | 25        |
| S201-L8 or R8   | 8       | 2 1/8   | 5       | 25        |
| S201-L10 or R10 | 10      | 2 5/8   | 7       | 5         |
| S201-L12 or R12 | 12      | 3 1/8   | 3       | 5         |
| S201-L14 or R14 | 14      | 3 5/8   | 4       | 5         |
| S201-L16 or R16 | 16      | 4 1/8   | 5       | 15        |
| S201-L18 or R18 | 18      | 4 5/8   | 6       | 5         |
| S201-L20 or R20 | 20      | 5 1/8   | 7       | 10        |

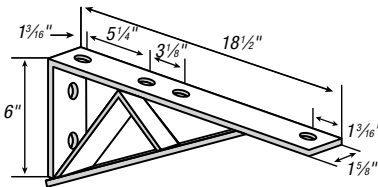
| CAT. NO. | A (IN.) | B (IN.) | STD. CTN. |
|----------|---------|---------|-----------|
| AN-270-1 | 2 3/8   | 6       | 10        |
| AN-270-2 | 4 3/8   | 8       | 10        |
| AN-270-3 | 6 3/8   | 10      | 10        |
| AN-270-4 | 8 3/8   | 12      | 15        |
| AN-270-5 | 10 3/8  | 14      | 10        |

## Fittings and Brackets

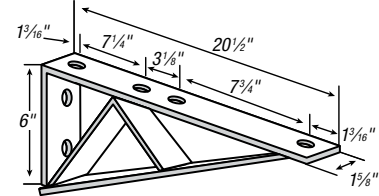
### Brackets



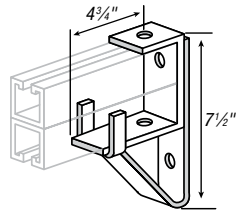
**S222**  
Design Uniform Load/lbs.  
A-1,200 1,000  
A-1,400 750



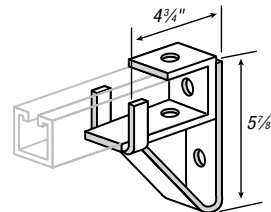
**S226**  
Design Uniform Load/lbs.  
A-1,200 1,000  
A-1,400 750



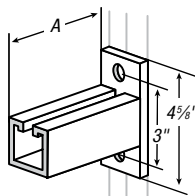
**S236**  
Design Uniform Load/lbs.  
A-1,200 800  
A-1,400 650



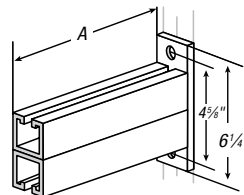
**S248**  
Design Moment  
(channel upright as shown)  
When supported by  
A-1,200 10,800 inch lbs.  
A-1,400 7,550 inch lbs.  
Applies to fitting only, not to the arm.  
For  
A-1,200  
A-1,400



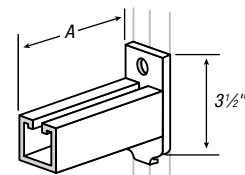
**S247**  
Design Moment  
(channel upright as shown)  
When supported by  
A-1,200 5,250 inch lbs.  
A-1,400 3,650 inch lbs.  
Applies to fitting only, not to the arm.  
For  
A-1,200 B-1,202  
A-1,400 B-1,402



**S-250**  
May be installed inverted with no change in load ratings. Strut section made from half slot channel.  
Sizes: 6", 12", 18" & 24"



**S-251**  
Strut section made from half slot channel.  
Sizes: 12", 18", 24", 30" & 36"



**S-256**  
When installed in inverted position reduce load rating 40%.  
Strut section made from half slot channel.  
Sizes: 6", 12", 18" & 24"

| CAT. NO. | A (IN.) | DESIGN LOAD LBS. | STD. CTN. |
|----------|---------|------------------|-----------|
| S250 6   | 6       | 1,500            | 1         |
| S-250-12 | 12      | 800              | 1         |
| S-250-18 | 18      | 550              | 1         |
| S-250-24 | 24      | 400              | 1         |

| CAT. NO. | A (IN.) | DESIGN LOAD LBS. | STD. CTN. |
|----------|---------|------------------|-----------|
| S-251-12 | 12      | 1,650            | 1         |
| S-251-18 | 18      | 1,050            | 1         |
| S-251-24 | 24      | 800              | 1         |
| S-251-30 | 30      | 650              | 1         |
| S-251-36 | 36      | 500              | 1         |

| CAT. NO. | A (IN.) | DESIGN LOAD LBS. | STD. CTN. |
|----------|---------|------------------|-----------|
| S256 6   | 6       | 1,000            | 1         |
| S-256-12 | 12      | 500              | 1         |
| S-256-18 | 18      | 300              | 1         |
| S-256-24 | 24      | 250              | 1         |

Standard Finish GoldGalv®, unless otherwise stated.  
Add EG suffix for SilverGalv® Finish